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CAPITAL CITY DEVELOPMENT CORP

AGENDA BILL

Agenda Subject: Resolution 1909: Approve Vendor Ranking for the Parking Access and Revenue Control System (PARCS) Replacement Project	**Date:** January 13, 2025
Staff Contact: Zach Piepmeyer, P.E., Parking & Mobility Director	**Attachments:** 1. Resolution 1909 2. RFP for PARCS Replacement Project 3. Amano McGann RFP Submittal 4. RFP Scoring Summary Sheet
Action Requested: Adopt Resolution 1909, approving the Request for Proposal vendor ranking and authorizing the Executive Director to negotiate an agreement with Amano McGann, Inc. for the PARCS Replacement Project.	

Background

A Parking Access and Revenue Control System (PARCS) includes all software and hardware necessary to manage and control parking facility access, record transactions and collect revenue for a parking system like ParkBOI. PARCS includes the gate hardware, signage, vehicle detection, card/ticket readers, vehicle counter displays, and ticket dispensers at vehicle entrances. It also includes the pay-on-foot kiosks located in garage vestibules, software that manages the various in-garage elements, and—in the case of the current ParkBOI PARCS—on-site servers to store all system information.

The current ParkBOI PARCS consists of two separate equipment types: five of six ParkBOI garages include Scheidt & Bachmann equipment, procured and installed in 2014. The sixth and newest garage at 11th & Front includes Amano PARCS equipment installed with the construction of the garage in 2018. While both types of PARCS have provided basic functionality for the Agency, the Operator and the general public, the current systems are built on an outdated non-cloud-based system architecture, they lack modern day conveniences and functionality, and much of the equipment is approaching the end of its useful life. The Agency desires to replace the current PARCS equipment in all ParkBOI garages with more modern, reliable, and efficient equipment that offers better functionalities for all users.

State-of-the-art PARCS technologies provide operational enhancements that offer a high level of customer service and parking management operations, including automated ingress/egress controls such as License Plate Recognition (LPR) and Automatic Vehicle Identification (AVI) systems. Newer PARCS technology also offers more payment options, including digital wallets,

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mobile payment and other contactless options. Modern PARCS are also cloud-based, limiting the need for on-site servers and integrate with 3rd party parking partners, such as valet services, 3rd party reservation platforms, and hotels.

In December 2023, the Agency engaged Kimley-Horn & Associates, Inc. in a Professional Services Agreement (PSA) for PARCS Procurement Consulting Services. Since then, Kimley-Horn has assisted the Agency in its effort to procure new PARCS technology by evaluating the existing PARCS system and garage infrastructure, conducting outreach to local partners and other community stakeholders regarding desired PARCS functionality, coordinating PARCS vendor product demonstrations, recommending new technologies for the ParkBOI system, developing functional specifications for the future PARCS equipment, assisting in the development of a Request for Proposals (RFP) for the PARCS replacement and evaluating proposals submitted by PARCS vendors.

Request for Proposals for PARCS Replacement

The procurement of a PARCS system is unique in that the Agency desired to find the best solution for the ParkBOI system. To accomplish this, the Agency utilized Idaho Code § 67-2806A which allows for a qualitative selection process when (1) fixed specifications might preclude the discovery of a cost-effective solution; (2) a specific problem is amenable to several solutions; or (3) price is not the sole determining factor for the selection. Factors that may be considered in the evaluations of vendors in the RFP include, but are not limited to:

(a) An innovative solution that is offered;
(b) Unique product features;
(c) Price;
(d) Vendor experience in the market;
(e) Financial stability of a vendor;
(f) Differences among vendors in their ability to perform contract requirements in a timely or efficient manner;
(g) Ability to meet product specifications;
(h) Product quality;
(i) Product performance records;
(j) Past performance by a vendor;
(k) Future product maintenance or service requirements; and
(l) Product warranties.

The Agency advertised a RFP for the PARCS Replacement Project on September 10 and September 17, 2024 and conducted a pre-proposal meeting and ParkBOI garage site tour on September 26, 2024. One addendum was issued on October 8, 2024.

Four responsive proposals were received by the Agency before the 3:00 PM deadline on October 21, 2024. An evaluation panel consisting of Agency, Kimley-Horn and Operator staff performed an initial review of the four proposals according to pre-determined evaluation criteria, including respondent company history and qualifications, technical specifications and functionality of the proposed PARCS product, technical support for the PARCS product, PARCS installation procedures and timeline, qualifications of the proposed project manager and other key personnel, and proposed PARCS cost.

Following initial review of the written proposals, the Agency elected to conduct in-person vendor interviews and PARCS product demonstrations on December 16th and December 18th, 2024 with the two highest-ranked vendors: Amano McGann, Inc. and FlashParking, Inc. The interviews allowed the evaluation panel to ask additional clarifying questions about information included (or

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not included) in each respondent's written proposal and the PARCS product demonstrations allowed for valuable exposure to the proposed PARCS equipment to be installed in the ParkBOI garages and the associated software.

A maximum of 1,000 points per evaluator (3,000 points total) was possible for the combined written and interview/demonstration portions of the RFP. The final score and ranking of each of the four vendors is as follows:

Ranking	Vendor Name	Total Points (3,000 Possible)
1	Amano McGann, Inc.	2,539
2	FlashParking, Inc.	2,336
3	Scheidt & Bachmann USA, Inc.	1,951*
4	SKIDATA, Inc.	1,824*

**No interview/demonstration conducted, no interview/demonstration points awarded.*

Considering all scoring criteria for the written proposal and interview/demonstrations, the evaluation panel determined that Amano McGann, Inc. ("Amano") proposes the best PARCS solution for ParkBOI.

Fiscal Notes

The RFP required respondents to submit proposal pricing for the procurement and installation of the vendor's proposed PARCS solution as well as software and extended warranty costs of the system for up to 10 years following installation and acceptance of the new PARCS equipment. This vendor pricing was considered in assessing the best PARCS solution for the agency.

Amano's proposed PARCS solution included the following components:

Description	Amount	Note
Base Pricing	$1,429,987	Includes procurement and installation of Amano ONE at 6 ParkBOI garages
Anticipated Options (To Be Negotiated)	~$50,000	Add LPR, Remove UPS
Total Estimate for Installation:	**$1,479,987**	
Software-As-A-Service (10 Years)	*$432,516*	*Annual service contract following installation*
Optional Extended Warranty (10 Years)	*$544,920*	

Final costs shall be negotiated with Amano based on final system design and actual equipment quantities which will be adjusted to fit the realities of each of the ParkBOI garages.

The Agency's FY25 budget includes sufficient funds to complete procurement and installation of the PARCS. Software-as-a-Service and the optional Extended Warranty costs to be incorporated into future budget years.

Next Steps

Upon approval of Resolution 1909, the Agency will negotiate an agreement with the highest-ranked firm (Amano) for procurement and installation of the new PARCS equipment. Considering the selected vendor's recommendations, staff will negotiate the ultimate quantities of equipment to be installed, options for the system (like LPR) and annual service contractors in order to arrive

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at a final contract value to be memorialized in the agreement with the selected vendor. Staff will request the Board's approval of that negotiated agreement at a future Board meeting.

A separate agreement for on-going software maintenance and technical support of the PARCS equipment will be negotiated between the selected PARCS vendor and the Parking Operator and will be included in future years' budgets for the Board's consideration.

The Kimley-Horn PSA executed in December 2023 includes consultant services up through selection of a preferred PARCS vendor. Upon selection of the PARCS vendor and negotiation of the Agreement between the Agency and that vendor, Kimley-Horn will prepare an amendment to the PSA to cover Construction Administration as well as testing and acceptance of the proposed PARCS system.

Installation of the PARCS equipment is anticipated to be completed by fall 2025.

Staff Recommendation

Adopt Resolution 1909 approving the Request for Proposal vendor ranking and authorizing the Executive Director to negotiate an agreement with Amano McGann, Inc. for the PARCS Replacement Project in accordance with the requirements set forth by state statute.

Suggested Motion:

I move to adopt Resolution 1909, approving the Request for Proposal vendor ranking and authorizing the Executive Director to negotiate an agreement with Amano McGann, Inc. for the PARCS Replacement Project.

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RESOLUTION NO. 1909

BY THE BOARD OF COMMISSIONERS OF THE URBAN RENEWAL AGENCY OF BOISE CITY, IDAHO:

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE URBAN RENEWAL AGENCY OF BOISE CITY, IDAHO, APPROVING THE RANKING FOR THE AGENCY'S REQUEST FOR PROPOSAL FOR THE PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS) REPLACEMENT PROJECT; AUTHORIZING THE AGENCY'S EXECUTIVE DIRECTOR TO NEGOTIATE THE STANDARD AGREEMENT AND GENERAL CONDITIONS BASED ON THE RANKING FOR FUTURE APPROVAL BY THE AGENCY BOARD; AND PROVIDING AN EFFECTIVE DATE.

THIS RESOLUTION is made on the date hereinafter set forth by the Urban Renewal Agency of Boise City, Idaho, an independent public body, corporate and politic, authorized under the authority of the Idaho Urban Renewal Law of 1965, as amended, Chapter 20, Title 50, Idaho Code (the "Law"), and the Local Economic Development Act, as amended and supplemented, Chapter 29, Title 50, Idaho Code (the "Act"), as a duly created and functioning urban renewal agency for Boise City, Idaho (hereinafter referred to as the "Agency").

WHEREAS, the Agency is empowered by the Law, among other things, to construct off-street parking facilities, to issue bonds, to finance the construction, operation, and maintenance of such facilities, and to enter into agreements necessary or convenient to the exercise of such powers; and,

WHEREAS, the Agency owns and operates the ParkBOI public parking system ("ParkBOI") which includes six (6) parking garages with 3,154 spaces, in part as a significant investment in implementing the Downtown Urban Renewal Plans and providing for economic growth in downtown Boise; and,

WHEREAS, upon approval of Resolution 1327 by its Board of Commissioners at the public meeting on August 12, 2013, the Agency approved the procurement and installation of the current Parking Access Revenue Control System ("PARCS"); and

WHEREAS, the Agency regards ParkBOI as an important asset which requires updating the functionality of the PARCS system to ensure a high-level of customer service and parking management operations; and,

WHEREAS, upon approval of Resolution 1847 by its Board of Commissioners at the public meeting on December 11, 2023, the Agency entered into a Professional Services Agreement with Kimley-Horn and Associates to provide professional expertise to assist with the procurement of the new PARCS system for ParkBOI; and,

WHEREAS, Kimley-Horn assisted the Agency in its effort to procure a new PARCS technology by evaluating the existing PARCS system and garage infrastructure, conducting outreach to local partners and other community stakeholders regarding desired PARCS functionality, coordinating PARCS vendor product demonstrations, recommending new technologies for the ParkBOI system, developing functional specifications for the future PARCS equipment, and assisting in the development of a Request for Proposals (RFP) for the PARCS replacement; and,

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WHEREAS, the Agency complies with various provisions of the Idaho Code as may be applicable to the Agency for the selection of goods and services; and,

WHEREAS, Idaho Code Section 67-2806A allows the Agency to undertake a qualitative selection process for the procurement of goods and services when: 1.) fixed specifications might preclude the discovery of a cost-effective solution; 2.) a specific problem is amenable to several solutions; or 3.) price is not the sole determining factor for the selection; and,

WHEREAS, the Agency published the requisite notice of the RFP in the Idaho Press on September 10 and 17, 2024, and further the RFP was made available on the Agency's website and to certain entities known to manufacture PARCS equipment; and,

WHEREAS, the Agency conducted a pre-proposal meeting and ParkBOI site tour on September 26, 2024, and one RFP addendum was issued on October 8, 2024; and,

WHEREAS, as a result of the RFP, the Agency received four (4) responsive proposals from the following companies by the published 3:00 PM deadline on October 21, 2024: Amano McGann, Inc.; FlashParking, Inc.; Scheidt & Bachmann USA, Inc.; and SKIDATA, Inc.; and,

WHEREAS, the Agency convened an Evaluation Panel consisting of representatives from the Agency, the Agency's Parking Operator (The Car Park), and the Agency's consultant, Kimley-Horn to review the RFPs; and,

WHEREAS, following the initial round of written proposal reviews, the Evaluation Panel elected to conduct vendor interviews and PARCS product demonstrations on December 16th and December 18th, 2024, with the two highest-ranked vendors: Amano McGann, Inc. and FlashParking, Inc. Thereafter, the Evaluation Panel recommend the following ranking of the two firms:

1. Amano McGann, Inc.
2. FlashParking, Inc.; and,

WHEREAS, the Evaluation Panel's unanimous scoring showed Amano McGann as the recommended firm because:

- Amano McGann, Inc. ("Amano") is a parking technology company with 4,500 employees worldwide, including 250 employees within 20 offices in the USA. Amano's headquarters are located in Minneapolis, Minnesota, and Amano equipment is manufactured and assembled at its Loveland, Ohio, factory.

- For over 40 years, Amano has been developing, manufacturing, installing, and servicing parking solutions. Amano has successfully completed over 7,000 PARCS installations for municipalities, healthcare facilities, educational institutions, event venues, financial institutions, hotels, office complexes, port authorities, and retail centers.

- Amano offers complete PARCS solutions with multiple product lines, parking management software, and access control solutions and can deliver a PARCS that meets ParkBOI's needs.

- The company's robust history, combined with national and global stability, gives them the financial strength and capability to design, develop, manufacture, install, and support the proposed ParkBOI PARCS.

- Amano proposes to implement their flagship PARCS product called "Amano ONE." The Amano ONE solution has established a solid presence across North America with 275 parking facility installations consisting of over 2,000 parking access lanes to date. Amano ONE is manufactured in the United States and offers multiple benefits to the Agency, the Parking Operator and ParkBOI customers, including (but not limited to):

    - Robust PARCS hardware with simple operation, minimal moving parts, and easy maintainability.
    - Strong cloud-based architecture with straight-forward, web-based administrative tools for managing all PARCS equipment and programs as well as an easy-to-use dashboard with robust reporting tools.
    - Multiple access credential options to improve customer ingress/egress from ParkBOI facilities, including proximity cards, mobile phone, Automatic Vehicle Identification (AVI), and License Plate Recognition (LPR).
    - Improved and secure ParkBOI customer payment options, including tap-to-pay credit card and digital wallet processing at all payment kiosks and pay-by-phone options with no mobile phone app required and no additional hardware needed.
    - Simplified 3rd party integrations with existing and future parking partners such as hotels and valets.
    - Integration with CARMA, The Car Park's account management and billing system.
    - Simplified validation system with multiple options for issuing validations.
    - Simplified special event (pre-pay) parking management platform; and,

WHEREAS, for these reasons, the Agency is recommending that the Agency Board approve the ranking and authorize the Executive Director to negotiate and execute an agreement for the procurement and installation of the new PARCS equipment; and,

WHEREAS, the Agency Board of Commissioners finds it to be in the best public interest to approve the ranking for its RFP – Parking Access and Revenue Control System (PARCS) Replacement project and to authorize the Executive Director to negotiate a Standard Agreement and General Conditions between Owner and Constructor in accordance with that ranking and the requirements set forth in Idaho Code § 67-2806A.

NOW, THEREFORE, BE IT RESOLVED BY THE MEMBERS OF THE BOARD OF COMMISSIONERS OF THE URBAN RENEWAL AGENCY OF BOISE CITY, AS FOLLOWS:

Section 1: That the above statements are true and correct.

Section 2: That the Agency Board affirms the following ranking for the RFP – Parking Access and Revenue Control System (PARCS) Replacement Project:

1. Amano McGann, Inc.
2. FlashParking, Inc.
3. Scheidt & Bachmann USA, Inc.
4. SKIDATA, Inc.

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Section 3: That the Agency Board authorizes the Agency Executive Director to negotiate a Standard Agreement and General Conditions between Owner and Constructor with the top-ranked proposer, Amano McGann, Inc., for the Parking Access and Revenue Control System (PARCS) Replacement Project, and in the event an agreement cannot be reached, that the Agency Executive Director is authorized to negotiate the agreement with the next ranked proposer, and so forth, in accordance with Idaho Code § 67-2806A.

Section 4: That this Resolution shall be in full force and effect immediately upon its adoption and approval.

PASSED AND ADOPTED by the Urban Renewal Agency of Boise City, Idaho, on January 13, 2025. Signed by the Chair of the Agency Board of Commissioners and attested by the Secretary to the Agency Board of Commissioners on January 13, 2025.

URBAN RENEWAL AGENCY OF BOISE CITY

Signed by:
By: Commissioner Latonia Haney Keith
6D1003AB05B3453...
Latonia Haney Keith, Chair

ATTEST:

Signed by:
By: Lauren McLean
483D2DB5BAE0452...
Lauren McLean, Secretary

REQUEST FOR PROPOSALS

PARKING ACCESS AND REVENUE ACCESS CONTROL SYSTEM (PARCS) REPLACEMENT PROJECT

PARKBOI GARAGES
Boise, Idaho

PROPOSALS DUE: OCTOBER 21, 2024, by 3:00 P.M. local time

OWNER'S REPRESENTATIVES | PROJECT CONSULTANTS

OWNER'S REPRESENTATIVE
ZACH PIEPMEYER, PROJECT MANAGER
CAPITAL CITY DEVELOPMENT CORP.
121 N. 9TH STREET, SUITE 501
BOISE, IDAHO 83702
208-384-4264

OWNER'S PROJECT CONSULTANT
KIMLEY-HORN AND ASSOCIATES, INC
950 BANNOCK STREET, SUITE 100
BOISE, IDAHO 83702
602-906-1100

OWNER'S CONTRACTS MANAGER
KATHY WANNER, CPPB
CAPITAL CITY DEVELOPMENT CORP.
121 N. 9TH STREET, SUITE 501
BOISE, IDAHO 83702
208-384-4264

REQUEST FOR PROPOSALS

PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS) REPLACEMENT PROJECT FOR PARKBOI GARAGES

BOISE, IDAHO

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PART 1: NOTICE CALLING FOR PROPOSALS

September 10, 2024

Capital City Development Corporation (CCDC), the urban renewal agency for Boise City, Idaho, will accept proposals from firms interested in the Parking Access and Revenue Control System (PARCS) Replacement Project for the ParkBOI garages in downtown Boise, Idaho. Contained within this document are specific objectives required of the awarded respondent. CCDC shall retain the ability to revise this scope as necessary.

A Preproposal Conference and Site Tour will be held September 26, 2024 at 9:00am local time, at the CCDC office located at 121 N 9th Street, Suite 500, Boise, ID 83702.

Respondents may attend the Preproposal Conference remotely via Zoom at the link below, however Respondents are strongly encouraged to attend the presentation and follow-on site tour in-person in order to receive information about the locations and ask questions regarding the proposal. CCDC will not host separate walk throughs of the various garage locations.

ZOOM LINK

Submission deadline is 3:00 P.M. local time, October 21, 2024.

Proposals will be evaluated on the criteria as specified in this request for proposal. A selection committee will evaluate each of the proposals and will conduct interviews and product demonstrations with two or more of the top ranked companies between November 20-22, 2024. Final scores will include components from both the written proposal and interviews.

The CCDC Board of Commissioners will make the final decision regarding ranking and the company chosen for these services. CCDC reserves the right to reject any and all proposals, to waive any irregularities in the proposals received, and to accept the proposal that is in the best interest of CCDC and the public. The issuance of the RFP and the receipt and evaluation of sealed proposals does not obligate CCDC to award a contract. CCDC will not reimburse for any costs incurred by Respondents in responding to this RFP. CCDC may in its discretion cancel this process at any time prior to execution of a contract without liability.

CCDC appreciates your interest in meeting the needs of the agency and the citizens of Boise.



Kathy Wanner
Contracts Manager
kwanner@ccdcboise.com

CAPITAL CITY DEVELOPMENT CORP
121 N 9TH ST, SUITE 501 BOISE, ID 83702
208-391-7304 WWW.CCDCBOISE.COM

PART 2: INTRODUCTION AND PROJECT PURPOSE

2.1 Introduction

CCDC owns and operates approximately 3,154 total parking spaces within six (6) public parking garages in downtown Boise under the ParkBOI name. Five garages are owned wholly by CCDC and one is under joint public-private ownership. CCDC may increase and/or decrease its garage assets over the coming years. See the *ParkBOI Parking Garages* map below.



Garage Name	Address	Vehicle Capacity (Stalls)	Entry/Exit Lanes	Year Built
9th & Front	312 S. 9th St	574	3*	1998
9th & Main	848 W. Main St	384	3	1990
10th & Front	230 S. 10th St	536	3	1978
11th & Front**	1101 W. Front St	827	6	2018
Capitol & Main	770 W. Main St	493	3	1989
Capitol & Myrtle	445 S. Capitol Blvd	340	4	2006

**One lane is reversible*

All six garages operate 24 hours per day, 7 seven days per week.

The ParkBOI system serves transient customers as well as monthly pass holders. Garages are utilized by hotel guests, downtown employees, customers, residents of nearby multi-family residential development, carpoolers, out-of-town visitors, as well as those who visit downtown Boise for its recreational and entertainment opportunities.

Historically, the ParkBOI system has been operated with a focus on promoting economic development in the downtown core. With the buildout of the core nearly complete and parking demand exceeding supply, the parking system's focus is moving towards an emphasis on mobility management.

Five of the ParkBOI garages currently operate with Scheidt & Bachmann PARCS equipment that was initially installed in 2014, and one garage (11th & Front) operates with Amano-McGann PARCS equipment that was installed with the garage's construction in 2018.

The ParkBOI system is operated by ParkBOI, a division of The Car Park.

Other relevant statistics about the ParkBOI system include:

- ParkBOI had approximately 1.275 million parking guests over the past 12 months (August 2023 – July 2024): 625,000 hourly and 650,000 monthly.

- CCDC employs a pricing strategy which features the first hour of parking for free and $3 each hour or part of an hour thereafter, with a daily maximum of $20 and $15, depending on the garage. ParkBOI charges an $8 daily maximum on Saturdays and Sundays in light of lower parking demand on weekends.

- Current number of contracted monthly parkers: ~2,850

2.2 Project Purpose

The purpose of this project is to replace the existing PARCS at up to six (6) ParkBOI public parking structures in its entirety, including—but not limited to—all kiosks, gates, card readers, credit card processors, ticket printers, detection loops, pay-on-foot machine, pay-in-lane machine, intercoms, computer servers and the associated software. The current equipment has declining reliability due to age and obsolescence.

This RFP seeks to determine the most-qualified and best-value PARCS Respondent and associated PARCS product. The selected PARCS Respondent will be contracted to replace the entire existing PARCS with a new, fully integrated PARCS.

CCDC envisions implementation of a new PARCS which:

- Makes use of state-of-the-art technology.
- Provides a high level of system reliability, minimizing down-time for maintenance/repairs and system malfunction. Minor repairs can be addressed by the parking operator (with proper training) and parts are readily available.
- Accepts multiple forms of payment, including digital wallets, cash and credit card.
- Reduces or eliminates the need for physical paper tickets and receipts.
- Reduces or eliminates the need for physical access cards.
- Is easy for end users to understand and navigate, regardless of familiarity with ParkBOI facilities.

- Processes entry/exits efficiently and consistently.
- Provides continuous and robust garage usage data and revenue data to CCDC and its operator in an easy-to-use format (e.g. dashboard).
- Is expandable to future ParkBOI garage locations.

The new PARCS is encouraged to embrace a wide range of mobility management options to mitigate parking demand overall while enhancing and improving transportation options for all citizens. CCDC will be interested in the Respondent's experience in integrating mobility management and transportation demand management elements into overall program management.

[Remainder of page intentionally left blank.]

PART 3: ANTICIPATED PROJECT SCHEDULE

EVENT	DUE DATE / TIME
RFP issued	September 10, 2024
Pre-Proposal Conference and Site Tour 121 N 9th Street, Boise, ID 83702 or via Zoom ZOOM LINK	September 26, 2024, 9:00am-12:00pm
Last Day for Questions	October 2, 2024 by 3:00 pm
Addendum issued (if needed)	October 8, 2024
Due date for submissions	October 21, 2024 by 3:00 p.m.
Evaluations, Reference Investigations	October 22 to November 8, 2024
Evaluation Committee Meeting	November 8, 2024
Interviews with Proposers (if needed)	November 20-22, 2024
CCDC Board Meeting – decision to award contract.	December 9, 2024
Contract Negotiations	December 10, 2024 to January 30, 2025
Notice to Proceed	January 30, 2025 (Anticipated)
Final Completion (Desired)	Within 365 days of Notice to Proceed.

[Remainder of page intentionally left blank.]

PART 4: INFORMATION FOR RESPONDENTS

4.1 Proposal Information

Please follow these instructions for submitting a proposal.

PROPOSAL DEADLINE is 3:00 p.m. local Boise time, October 21, 2024

The proposal must be submitted electronically by email to: bids@ccdcboise.com

Please include this subject line on the email:

"RFP SUBMITTAL: PARCS REPLACEMENT PROJECT"

All required submittal documents must be ***signed and dated*** and must be submitted by email in one (1) PDF. Respondents may utilize a commonly available file-share service such as Dropbox, WeTransfer, or Google Drive.

Late or incomplete submittals will not be accepted; CCDC takes no responsibility for submittals received after the Proposal Deadline or incomplete in any way. Respondent assumes full responsibility for the timely submittal of all proposal documents via the email process. Proposals received will be officially recorded and this recordation will be made available to the public.

Respondent will be responsible for all costs (including site visits where needed) incurred in preparing or responding to this RFP. All materials and documents submitted in response to this RFP become the property of CCDC and will not be returned.

4.2 Pre-Proposal Conference and Site Tour

A Pre-Proposal Conference followed by a site tour of all six ParkBOI garages will be held in-person at the CCDC offices located at 121 N 9th Street, Suite 501, Boise, ID 83702. The Pre-Proposal Conference and Site Tour is not mandatory, but strongly suggested.

Proposers may attend the Pre-Proposal Conference remotely via ZOOM at 9:00am local Boise time on September 26, 2024. Virtual attendance of the Site Tour following the Pre-Proposal Conference will not be possible.

Join Zoom Meeting
https://ccdcboise.zoom.us/j/85099587273?pwd=XrGcaO9q2NGuGugqW2GYPjuAMv6WOJ.1

Meeting ID: 850 9958 7273
Passcode: 273148 ---

One tap mobile
+16694449171,,85099587273# US
+16699006833,,85099587273# US (San Jose)

4.3 Request for Clarification or Questions

Any Respondent who wishes to request clarification or ask a question related to the RFP may submit a written notification to Kathy Wanner, CCDC Contracts Manager: kwanner@ccdcboise.com. The notification will state the exact nature of the clarification or protest, describing the location of the protested portion or clause in the Proposal documents, and explaining why the provision should be struck, added, or altered, and contain suggested corrections. CCDC may deny the objection, modify the Proposal, and/or reject all or part of the objection. Changes to these specifications will be made by written addendum. Verbal responses will not be binding on CCDC or the Respondent.

The request must be received in writing prior to 3:00 pm local Boise time on October 2, 2024.

4.4 Addenda

In the event it becomes necessary to revise any part of this RFP, addenda will be issued. Information given to one Respondent will be available to all other Respondents if such information is necessary for purposes of submitting a proposal or if failure to give such information would be prejudicial to uninformed Respondents. It is the Respondent's responsibility to check for addenda prior to submitting a proposal. Failure to do so may result in the proposal being declared non-responsive. No addenda will be issued fewer than four (4) calendar days before the proposal deadline unless the deadline is extended. Respondent shall indicate within their required submission documents the addenda number(s) which they have incorporated into their submittal.

4.5 Modification or Withdrawal of Proposal

A proposal may be modified or withdrawn by the Respondent prior to the submission deadline set forth in this RFP. After the submission deadline, the submitted proposal shall remain in effect for a minimum of 120 days for evaluation purposes.

4.6 Conditions Affecting the Work

Before submitting a proposal, each Respondent must (1) examine the Request for Proposals documents thoroughly, (2) visit the site to familiarize himself/herself with local conditions that may, in any manner, affect cost, progress or performance of the work, (3) familiarize himself/herself with Federal, State and Local laws, ordinances, rules and regulations that may, in any manner, affect cost, progress or performance of the work; and (4) study and carefully correlate Respondent's observations with the Request for Proposal's. Failure to do so will not relieve Respondent from responsibility for estimating properly the difficulty or cost of successfully performing the work. CCDC will assume no responsibility for any understanding or representations concerning conditions made by any of its officers or agents prior to the execution of the contract, unless included in the Request for Proposal's, or any addendum.

4.7 Form of Contract

A sample contract is attached to this solicitation as Attachment D. Please review the sample contract carefully. Any exceptions or proposed amendments to the contract must be clearly

noted in the proposal in order to be considered. Refer to Part 6.1, Section G, of this RFP for additional information.

Exceptions or requested changes to the sample contract will be considered a part of the response. Exceptions or requested changes to the sample contract should be made with great care. CCDC may reject all or some of those changes or exceptions, in its sole discretion. CCDC reserves the right to change, modify, or amend the contract terms of the attached sample contract at any time during the procurement process

4.8 Insurance

The successful Respondent will be required to provide proof of insurance prior to contract approval and maintain the insurance coverage for the duration of the contract.

Refer to Section 10.2 of the Sample Contract (Attachment D) for insurance requirements.

4.9 Bonding

Payment and Performance Bonds are required of the awarded Respondent. The penal sum of the bonds shall each be one hundred percent (100%) of the original Contract Price. Any increase in the Contract Price that exceeds ten percent (10%) in the aggregate shall require a rider to the Bonds increasing penal sums accordingly. Up to such ten percent (10%) amount, the penal sum of the bond shall remain equal to one hundred percent (100%) of the Contract Price. Such Payment and Performance Bond or Bonds shall be executed by a surety company, or companies duly authorized to do business in Idaho and shall be payable to CCDC.

4.10 Subcontractors and Idaho Public Works License

Idaho Code § 67-2310 requires the names and addresses of subcontractors to whom work will be awarded for the trades of plumbing, HVAC, or electrical be provided at time of bid. In the event the general (Trade) contractor intends to self-perform the plumbing, HVAC, or electrical work, the general contractor must be properly licensed by the state of Idaho to perform such work. The Respondent shall demonstrate compliance with this requirement by listing the valid contractor's license number for the plumbing, HVAC, or electrical work to be performed by subcontractors or self-performed by the Respondent on the Proposal Form (Exhibit A).

A valid Idaho Public Works License is required for any site civil work over $50,000 and if applicable, shall be included on the Proposal Form.

4.11 Idaho Business License

Respondents, prior to the execution of the contract, shall be registered with the Idaho Secretary of State and be authorized and licensed to do business in the State of Idaho.

[Remainder of page intentionally left blank.]

PART 5: GENERAL CONDITIONS

5.1 Intent of RFP

The objective of this Request for Proposal is to provide sufficient information to enable qualified respondents to submit written proposals that will allow CCDC to select a company capable of furnishing, installing, implementing, operating and maintaining a complete PARCS that meets the functional requirements outlined within this proposal. The company ranked highest will be approached to negotiate the contract necessary for the services. If a contract cannot be negotiated, CCDC will then approach the next highest ranked company to negotiate the contract.

5.2 Reserved Rights

CCDC reserves the right to act in the public best interest and in furtherance of the purposes of the Idaho Code Title 50, Chapter 20 (*Idaho Urban Renewal Law*) and Idaho Code Title 67, Chapter 28 (*Purchasing by Political Subdivisions*). CCDC reserves the right to waive any formalities or defects as to form, procedure, or content with respect to this RFP and any irregularities in the proposals received, to request additional data and information from any and all Respondents, to reject any submissions based on real or apparent conflict of interest, to reject any submissions containing inaccurate or misleading information, and to accept the proposal or proposals that are in the best interest of CCDC and the public. The issuance of this RFP and the receipt and evaluation of proposals does not obligate CCDC to select a company nor award a contract. CCDC may in its discretion cancel, postpone, or amend this RFP at any time without liability.

5.3 Public Records

CCDC is a public agency. All documents in its possession are public records subject to inspection and copying under the Idaho Public Records Act, Idaho Code §§ 74-101 through 74-126. The Public Records Act contains certain exemptions – including an exemption for trade secrets. Trade secrets include a formula, pattern, compilation, program, computer program, device, method, technique, or process that derives economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons and is subject to the efforts that are reasonable under the circumstances to maintain its secrecy. Prices quoted in a proposal are not trade secrets.

If any Respondent claims any part of a proposal is exempt from disclosure under the Idaho Public Records Act, the Respondent must: 1.) Indicate by marking the pertinent document “CONFIDENTIAL”; and, 2.) Include the specific basis for the position that it be treated as exempt from disclosure. Marking the entire proposal as “Confidential” is not in accordance with Idaho Public Records Act and will not be honored.

CCDC, to the extent allowed by law and in accordance with these Instructions, will honor a nondisclosure designation. By claiming material to be exempt from disclosure under the Idaho Public Records Act, Respondent expressly agrees to defend, indemnify, and hold CCDC harmless from any claim or suit arising from CCDC’s refusal to disclose such materials pursuant to the Respondent’s designation. Any questions regarding the applicability of the Public Records Act should be addressed to Respondent’s legal counsel prior to submission.

5.4 Taxes

CCDC is exempt from Federal and State taxes and will execute the required exemption certificates for items purchased and used by CCDC. Items purchased by CCDC and used by a contractor are subject to Use Tax.

5.5 Idaho Code

Respondents shall be responsible for complying with all applicable provisions of the Idaho Code as it relates to submittals of this project or provision of the services.

[Remainder of page intentionally left blank.]

PART 6: REQUIRED CONTENT, EVALUATION, AND SELECTION

6.1 Required Proposal Submission Materials and Format

Proposals must include the following information in the sequence set forth below. Respondents should include a complete description of the personnel, product and services provided.

Proposals must be signed and shall be submitted as a single document in pdf format.

Respondents are invited to include information about innovative methods and/or procedures that they can provide to assist in ensuring successful completion of this project; unique qualities, capabilities, functionality and cost efficiencies should be identified. Respondents acknowledge they will be ranked according to responses to the articles below. Proposal submittals shall be organized by section, clearly labelled with the following headings:

Section A – Transmittal Letter
Section B – Respondent Qualifications and Experience
Section C – Technical Response to PARCS Functional Specifications
Section D – Key Personnel
Section E – Cost Proposal
Section F – Finance and Insurance Requirements
Section G – Proposed Amendments to the CCDC Contract Terms
Section H – Proposal Form
Section I – Waiver and Release Form

The content to be included in each of the above sections is as detailed below:

Section A – Transmittal Letter {20 points}

Submit a transmittal letter which provides an overview of the respondent's proposal, as well as the name, title, email address and phone number of the person to whom CCDC may direct questions concerning the proposal. Include a statement by the Respondent accepting all terms and conditions contained in this RFP, signed by an officer or individual with authority to bind the company.

The letter should also concisely summarize the following:

- The name of the proposed PARCS product
- The name and title of the proposed Project Manager and the main point of contact, if different than the Project Manager

Section B - Respondent Qualifications and Experience {100 points}

Describe the Respondent company's history, size, resources, philosophy of service, typical volume of work, and construction management techniques and methods. Describe how the company's expertise, experience, techniques, and culture can be advantageous to CCDC in completing the project. Identify any overlapping commitments.

Describe the company's experience with the specific suite of PARCS products proposed with this project. Include the total number of facilities where the same PARCS products are used and whether the product has been removed from any facilities and/or any projects that were not completed with an explanation of the circumstances that lead to the removal and/or non-
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PART PROPOSAL DOCUMENTS

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PART ATTAC MENTS

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PARCS ctio al S eci icatio s

Functional Specifications

CCDC Parking Access and Revenue Control System (PARCS) Replacement Project

September 10, 2024

Prepared by:
Kimley-Horn and Associates, Inc.

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PROJECT FUNCTIONAL SPECIFICATIONS

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GENERAL

1.01 GENERAL

A. This request contains the requirements for replacement of the existing Parking Access and Revenue Control System (PARCS) at the Capital City Development Corporation (CCDC) garages. The PARCS replacement shall not only utilize the industry's latest technological advancements to control access, calculate, and accurately report revenue for the parking facilities, but shall improve the overall management, system efficiency, revenue accounting, revenue security, and customer service aspects of the parking operations at CCDC. These specifications will describe the functional requirements for the new PARCS and what, if any, existing equipment shall be used with the new system.

B. This project will replace the existing PARCS at CCDC and related parking operations at five (5) with possible additions of a sixth parking garage in Boise, Idaho.

C. Construction at the parking garages shall take no more than 365 calendar days from Notice to Proceed (NTP).. Contractor shall develop a phasing plan and construction schedule in accordance with these dates.

1. Contractor will be provided a list of special events and blackout days for construction.
2. No lane shall remain unavailable for use for a period exceeding five (5) calendar days.
3. Desired order for addressing garages:
    a. Capitol & Myrtle
    b. 10th & Front
    c. 11th & Front
    d. 9th & Front
    e. 9th & Main – Contractor should anticipate night and weekend work at this location.
    f. Capitol & Main – Contractor should anticipate night and weekend work at this location.

1.02 REFERENCES

B. Standards:

1. CCDC/Boise Design guidelines
2. Boise Building Code

C. Codes and Regulations:

1. Local Codes: Comply with State and Local codes as applicable.

D. Information Security Standards and Requirements:

1. Payment Card Industry Data Security Standard (PCI DSS), Version 4.0 or latest version at the time of Contract Award
2. Payment Application Data Security Standard (PA DSS), Version 3.2 or latest version at the time of Contract Award
3. PCI Security Standards Council P2PE certified solution

E. CCDC/ParkBOI Branding Standards.

1.03 DEFINITIONS

A. Definitions of terms used in these specifications are as follows:

1. Acts of God – Those events which are outside of control of humans and for which no one can be held responsible, and which cannot be prevented. Acts of God include, but are not limited to, severe weather phenomena such as hail, flooding, extreme drought, hurricanes, tornados, tropical storms, fire, earthquakes, pandemic and lightning.
2. APS – Automated Pay Station – Also referred as POF. A station dedicated only for payment at non-gated areas to facilitate and speeding the process at the exit lanes by allowing users to pay in advance.
3. Automated Vehicle Identification – Also referred to as AVI, is a Radio Frequency Device (RFID) that emits an electronic signal that can be read by an associated reader/antenna. The signal contains information relating to the account and transponder number.
4. Barrier Gate – An automated gate utilized by the PARCS to control ingress into and egress from a parking facility.
5. Cloud – A network of servers that are accessed over the internet to store and manage data without the need for physical storage devices or on-site infrastructure.
6. Contract Documents – The Contract Documents executed by CCDC and the Contractor outlining the requirements for the Work to be performed as it relates to the implementation of the PARCS.
7. Contractor – The individual, partnership, firm, or corporation primarily liable for the acceptable performance of the Work contracted and for the payment of all legal debts pertaining to the work who acts directly or through lawful agents or employees to complete the Work. May also be referred to as Vendor.
8. Crash – A system failure in which the PARCS cannot properly process revenue transactions.
9. Days – Calendar Days
10. Dynamic Signage – signage displaying varying text and/or graphics to relay specific messages to users via a matrix of LED lights. Dynamic signage can be used for various applications including displaying the method of payments accepted at a specific lane, the number of available spaces in a facility/level or providing guidance to users.

11. EM – Emergency Maintenance Services includes technology that addresses or resolves emergency/urgent issues or malfunctions with PARCS equipment.

12. EMV – European MasterCard/VISA credit card standard, referring to a chip embedded credit card associated with a personal PIN used for payment of parking fee due. Sometimes referred to as "*Chip and PIN*."

13. Entry terminal – a computerized PARCS device located in an entry lane that facilitates multiple methods of entry including issuing a QR code or barcode parking ticket, reading an EMV (chip embedded) card, reading an AVI transponder, reading a proximity access card, reading a bar code or QR code from a cell phone or hard copy document, or reading a contactless credit card.

14. Exit terminal – a computerized PARCS device located in an Unattended Exit Lane that facilitates multiple methods of exit from a parking facility including ingesting and reading a QR code or barcode parking ticket, reading an EMV (chip embedded) card, reading a QR code or barcode from a cell phone or hard copy document, or reading a proximity access card or credit card fob via RFID. The exit terminal uses the data from the inserted or detected media to validate exit privileges or calculate and process the associated parking fee; fees can be paid via credit card, debit card, or cell phone, or exit is granted via access card or validated/pre-paid encoded ticket.

15. FAT – Factory Acceptance Test: a test of the PARCS Contractor's system and equipment prior to delivery to a project site to ensure that the equipment and system meets the intent of these Functional Specifications.

16. FMS – Facility Monitoring System: A system that provides operational and performance information of the system components.

17. GUI – Graphical User Interface: A program interface that takes advantage of a computer's graphics capabilities to make the program user-friendly and intuitive to use.

18. ISF – Insufficient Funds

19. IP – Internet Protocol: IP is a network layer protocol in the Internet Protocol suite and is encapsulated in a data link layer protocol (e.g., Ethernet). As a lower layer protocol, IP provides the service of communicable unique global addressing amongst computers.

20. IRW – Image Review Workstation: a workstation that is used to review images from the LPR system.

21. ISO – short for International Organization for Standardization: An international organization comprised of national standards bodies from around the world. ISO is the world's largest developer and publisher of standards.

22. LAT – Lane Acceptance Test: a test of a Contractor's installed equipment at the lane level to ensure that the equipment meets the intent of these Functional Specifications. LATs are conducted on all entry lanes and exit lanes.

23. LED – Light Emitting Diode: a type of light commonly used for dynamic signage.

24. LPN – License Plate Number

25. LPI – License Plate Inventory

26. LPR – License Plate Recognition: a combination of cameras, software, infrastructure, and monitoring stations that allow for the automated recording of a vehicle's license plate number upon entry and exit using application software utilizing OCR. The license plate number is linked to the vehicle's entry event within the PARCS. Upon exit, the license plate is checked again by the LPR system to verify that the vehicle attempting to exit is the same vehicle that is linked with the entry event of that transaction; a subsystem to a PARCS.

27. Major Deviation – Any deviation or failure of a FAT, LAT, or Site Acceptance Test (SAT) procedure that affects fee calculation accuracy, transaction count accuracy, exception count accuracy, active ticket inventory accuracy (system vs. actual), revenue processing, calculations, or reporting.

28. Minor Deviation – Any deviation or failure of a FAT, LAT, or Operational Completion Test (OCT) procedure that does not affect fee calculation accuracy, transaction count accuracy, exception count accuracy, active ticket inventory accuracy (system vs. actual), revenue processing, calculations, or reporting.

29. NEMA – National Electrical Manufacturers Association: An association that develops standards related to the generation, transmission, distribution, control, and end-use of electricity.

30. N-Factor – a term used to quantify the accuracy of the OCR for an automated license plate reading system including LPR, where "N" represents the number of characters on any given license plate. If all characters are interpreted correctly by the OCR, then it is said to be an "N read". If all but one character is read correctly then it is said to be an "N minus one" or "N-1" read, etc.

31. NEC – National Electric Code: part of the National Fire Code, the NEC is a standard for the safe installation of electrical wiring and equipment.

32. NFC – Near Field Communication: wireless communication technology that allows devices in close proximity to establish a connection and exchange data.

33. Normal Conditions - Normal conditions are considered to be equipment malfunctions, parts usage under normal wear and tear, and performance of scheduled services.

34. Normal Weather Conditions - Normal weather conditions are applicable to weather conditions that are common to the Boise, ID region such as rain, strong thunderstorms, freezing temperatures (down to -20° F), snow, haze, hail, ice, 100+ degree temperatures, and high winds, among others.

35. OCR – Optical Character Recognition: a set of software algorithms that enable LPR application software to analyze a digital image of a license

plate and determine the digitized values of the license plate characters through an automated process.

36. OCT – Operational Completion Test: a test of a fully installed PARCS to monitor the system during normal operating conditions and ensure that the system is functional over a defined period of time in a manner consistent with the intent of these Functional Specifications.

37. OTDR – Optical Time Domain Reflectometer: an instrument that analyzes the light loss in an optical fiber in optical network troubleshooting.

38. PA DSS – Payment Application Data Security Standard: a set of comprehensive data security requirements and parameters for computer applications that process credit card payments.

39. PARCS – Parking Access and Revenue Control System: A combination of equipment, subsystems, and supporting infrastructure that allows an entity to accurately calculate, collect, track, and report revenues for parking within one or more facilities. A PARCS also monitors and controls ingress and egress to and from those facilities.

40. PC – Personal Computer: a microcomputer designed for individual use for such applications as word processing, data management, or financial analysis.

41. PCI DSS – Payment Card Industry Data Security Standard: a set of comprehensive requirements and parameters for enhancing payment card account data security to help facilitate the broad adoption of consistent data security measures on a global basis.

42. PDF – Portable Document Format: a document-encoding process developed by Adobe that maintains page layout, fonts, and graphics and can include many other features such as hyperlinks.

43. PIN – Personal Identification Number: A number selected by a user to gain access to certain areas of the PARCS or to associate with a chip embedded credit card required by EMV standards.

44. POF – Pay on Foot. Also referred as APS.

45. Preventive Maintenance - This type of maintenance includes but is not limited to scheduled inspection, testing, necessary adjustment, alignments, lubrication, parts cleaning, replacement of consumables, communication system maintenance, database administration, and application support of the PARCS hardware and software.

46. QA/QC – Quality Assurance/Quality Control: The quality processes and quality checks used to ensure the PARCS, and its components comply with the Contract requirements.

47. QR Code – A Quick Response Code is a form of a bar code that can store more data than a standard binary bar code.

48. RFI/EMI – Radio Frequency Interference / Electromagnetic Interference: Radio Frequency and Electromagnetic Interference are phenomena that occur when the radio frequency of electromagnetic field of one device disrupts, degrades, or impedes another device.

49. RFID – Radio Frequency Identification: the technology utilized by proximity card systems or Automatic Vehicle Identification systems for identifying a user's credential. A RFID system consists of an antenna, a transceiver (which reads the radio frequency and transfers the information to a processing device), and a transponder, also called a tag (which is an integrated circuit containing the RF circuitry and information to be transmitted).

50. RMA – Return Merchandising Authorization

51. SNMP – Simple Network Management Protocol: SNMP forms part of the internet protocol suite and is used in network management systems to monitor network-attached devices for conditions that warrant administrative attention.

52. SQL – Structured Query Language: a database computer language designed for the retrieval and management of data in relational database management systems, database schema creation and modification, and database object access control management.

53. Swapped Ticket – The occurrence when a user "swaps" the original parking ticket obtained upon entry to a parking facility with a second, more current parking ticket and attempts to exit using the more current parking ticket.

54. TCP/IP – Transmission Control Protocol/Internet Protocol: The Internet Protocol Suite (commonly known as TCP/IP) is the set of communications protocols used for the Internet and other similar networks.

55. TIA – Telecommunications Industry Alliance: Associations that helps develop standards for the telecommunications and electronics industries.

56. UL – Underwriters Laboratories, Inc.: UL is a U.S. not-for-profit, privately owned, and operated product safety testing and certification organization. Based in Northbrook, Illinois, UL develops standards and test procedures for products, materials, components, assemblies, tools, and equipment, chiefly dealing with product safety. UL is one of several companies approved for such testing by the U.S. federal agency OSHA. OSHA maintains a list of approved testing laboratories, known as Nationally Recognized Testing Laboratories.

57. Unusual Conditions – Conditions other than normal conditions that are out of the control of the Contractor. These events include willful or careless damage to the equipment including user accidental damage as well as Acts of God.

58. Validation Program – The offering of hourly parking through a paper or electronic credential that may be read by a bar code or card reader in an Unattended Exit Lane.

59. VPN – Virtual Private Network: a network that is constructed by using public wires to connect nodes. For example, the Internet may be used as the medium for transporting data. These systems use encryption and other security mechanisms to ensure that only authorized users can access the network and that the data cannot be intercepted.

60. Work – Services or goods to be provided by the Contractor per the Contract.

1.04 SYSTEM DESCRIPTION

A. The objectives of the PARCS project include, but are not limited to:

1. Replace existing PARCS equipment as outlined in this document.
2. The PARCS shall be designed with an open architecture to provide integration to third-party applications.
3. Contractor shall reuse existing power and communication infrastructure when possible, including such items as existing conduit, fiber, etc. Vehicle detection loops and other PARCS equipment, though, shall be installed new. CCDC is to provide cabinet equipment for the main switch in the communication room and communications to that switch. The following cabinet model is anticipated within the garage communications rooms: Tecmojo Wall Mount Server Cabinet with an IT Network Rack (dimensions 17.72”Dx21.65”Wx13.78”H). Vendors to provide networking equipment including switches needed.
4. Preference for vendors to provide a cloud-based PARCS system with no servers hosted on premise, this includes third-party systems like LPR. Vendors can also provide quotes for on-site servers if desired.
5. Achieve a PCI DSS and PA DSS compliant environment and use P2PE with chip-card processing to an off-site 3rd party to reduce PCI scope.
6. Accurately track required financial and statistical information.
7. Accurately calculate appropriate fees.
8. Accurately document the revenues generated by the parking operations in user friendly reports.
9. Increase efficiency of operations and maintenance.
10. Provide flexibility in the timing and formatting of the pertinent operational and management reports.
11. Provide custom report generation capabilities and Business Intelligence (BI) tool integration with the ability to store and schedule reports. BI tools may include dashboards to summarize, report, and analyze real-time data.
12. Provide ease of rate structure changes and programming that does not require vendor support. Examples of rate types would include events, holiday rates, and discounted parking rates.
13. Provide a test environment to test rate changes before they are pushed to equipment.
14. Provide flexibility in rate configurations for all parker types, and to vary rates by time of day and day of week.
15. Provide flexibility in permit models to accommodate hybrid user schedules that may include limited access by days of the week or hours of the day.

16. Provide an intuitive and user-friendly interface for the Owner, Operator and other authorized personnel.
17. Provide QR code or barcoded tickets at parking garages with transient parkers that can also be paid with a mobile application or website provided by the vendor.
18. Provide QR code or barcode readers in all lanes for sites with transient parking.
19. Provide a mobile application or mobile friendly website that interacts with the operator to assist in managing the facilities.
20. Provide integration of the new PARCS with the existing permit management system, CARMA, from The Car Park.
21. Provide a system with remote cashiering functionality so that an operator can manually send a transaction to a lane.
22. Provide electronic coupons and/or validations that may be presented by the user in all lanes, including processing in self-service lanes and at pay-on-foot stations.
23. Provide LPR cameras for all entry and exit lanes as well as long range proximity card readers. Vendors shall provide alternative costs for optional AVI readers.
24. LPR cameras shall be for rear plates wherever possible. For locations where rear plate reads are not possible, vendor to provide LPR using front plate cameras.
25. Provide intercoms and pinhole cameras in all lanes, preferably with Umojo technology integrated into the new PARCS that connects to the existing command center from The Car Park. Other intercom options include Commend H-Series intercoms and Stentofon TKIS-2s.
26. Increase efficiency of operations through reduction of person-hours required for parking occupancy validation counts. Vendor to integrate with existing Daktronics signs at all parking facilities.
27. Provide an intuitive and user-friendly interface for all users and the operator's personnel.
28. Simplified maintenance procedures for all equipment.
29. Provide Pay-On-Foot Stations in existing decks to allow users to pay for their parking.
30. Provide certified training for 1st and 2nd level maintenance of equipment, preferably at the Contractors factory or training facility.
31. Provide equipment with IP connections and limited/no serial connections.
32. Provide a mobile application or mobile friendly website for payment whereby a parker can scan a QR code on a ticket that takes a user to a payment portal that has options for credit card, Google Wallet, and Apple Pay. Also, PARCS software to be updated with newer e-payment capabilities if, and when, they come available during the life of the PARCS equipment.

33. Provide integration with ParkMobile for ticket-takeover capabilities for users to have different means of payment.

34. Provide an initial 2-year full warranty period beginning at the time of project final acceptance.

35. Provide cost estimates for additional years of warranty should an extended warranty period be requested.

36. Provide in-house and remote support as needed and within the specified amount of time.

37. Provide an optional integration with all the current hotels that work with CCDC (3 hotels) and valet operations.

38. Provide integration with YMCA membership cards.

39. Provide integration and hardware for the BikeBOI secured area in 9th and Main.

40. Provide integration for counts for existing monument signs located at each parking facility.

41. Provide and install all necessary on-site signage associated with PARCS, including—but not limited to—wayfinding signage to POF, signage with instructions for persons with hearing impairments at entry/exit gates, and other signage necessary to communicate payment instructions to hourly customers.

42. Vendor to provide option for credit card on file for repeated users to be able to sign up, create an account that saves payment option and that is integrated with the LPR system.

B. A maintenance contract for warranty services and ongoing maintenance in years 3 through 10 shall be provided by the vendor during the proposal stage. The warranty and maintenance agreement will be directly with The Car Park Vendors shall provide information on how their RMA process works. Vendor shall include this as part of Section C.8 in their proposal.

C. The parking and other control equipment components provided by the Contractor shall operate as a complete system. Each equipment component shall perform its function in relation to other components. As such, each component shall be compatible with all related components. All components shall be compatible with the geometric circumstances of the facility or place where they are installed.

D. The Contractor shall bring any deficiencies or discrepancies in these specifications that they believe may exist to the attention of the Owner or Owner's Representative in their Proposal. No deficiency or discrepancy in these Functional Specifications shall relieve the Contractor of the responsibility to provide a satisfactorily performing, reliable system. The contractor shall provide this information in Section C.11 in their proposal.

1.05 SUBMITTALS

A. Contractor shall submit to the Owner or Owner's Representative plans and specifications for all civil/site work. All plans shall be signed and sealed by a

professional engineer registered to practice in Idaho. The plans and specifications shall comply with CCDC and City of Boise Design and Construction standards.

B. All Owner or Owner's Representative comments, responses, and approvals of Contractor submittals shall be transmitted by the Owner or Owner's Representative to the Contractor. Contractor shall incorporate said comments and responses and resubmit the document to the Owner or Owner's Representative for review and approval. Should the Contractor's resubmittal not incorporate the appropriate comments or otherwise fail to meet the requirements, this cycle shall continue until the Contractor produces an acceptable submittal that is approved by the Owner or Owner's Representative in writing.

C. Submit a payment milestone breakdown table which corresponds to the milestones listed in the Phasing Plan and Submittal Schedule with a percentage breakdown for each milestone payment totaling the full contract amount. CCDC reserves the right to modify the payment milestone breakdown table prior to issuing Contractor Notice to Proceed.

D. Submittal Schedule (with submittal timing) for all submittals, including those proposed by the Contractor that is not listed in the Contract Documents, to be included in the Contractor's Proposal. The contractor shall provide this information in Section C.4 in their proposal.

E. Submittals shall include the following and are further described in the following table:

1. Submit a Phasing Plan with the Proposal for the transition from the existing system to the new PARCS. The Phasing Plan shall be a plan for design, implementation, training, and testing. The contractor shall provide this information in Section C.4 in their proposal. Phasing Plan shall include the following:

    a. Milestone dates in the form of a Gantt Chart Schedule

    b. Phasing plan shall be resource loaded to indicate number of teams/individuals responsible for delivery of individual tasks.

    c. Narrative description of phasing to install software, install new network equipment as needed, decommission each lane, install new field devices, perform LAT, and activate for public use.

    d. A lane switchover approach

    e. Decommissioning strategy for existing PARCS that maintains all critical systems and functionalities throughout the switchover process.

2. Sample set of reports that are fundamental and readily available with the PARCS as part of the Proposal. The contractor shall provide this information in Section C.12 in their proposal. After coordinating with the Owner or Owner's Representative on report layout for all standard and custom reports, the Contractor shall submit a sample format of each report for final approval forty-five (45) calendar days prior to the FAT.

3. Product data for review and approval for all field equipment and construction material (including bollards and concrete) prior to the

manufacture or procurement of the equipment. Product data shall include equipment dimensions, cut out locations for electrical and communications connection points, and manufacturer cut sheets of all Contractor-supplied and third-party components incorporated in the various devices. The contractor shall provide this information in Section C.13 in their proposal

4. As part of the proposal submittal, the Contractor shall submit a document for Nature and Impact of Exceptions for any exceptions taken to this document or terms in the RFP. The document shall include Section, wording and a response from the vendor on recommendations to address the exception.

5. PA DSS Report of Validation - The Contractor's application software shall conform to the latest publicly known PCI DSS standards and be PA DSS certified. The Contractor shall submit the most recent PA DSS Report of Validation as part of their Proposal to which their system is certified. The contractor shall provide this information in Section C.14 in their proposal

6. Submit manuals forty-five (45) calendar days prior to the respective system or subsystem's installation unless otherwise noted. The Owner or Owner's Representative shall review the structure and contents of the manuals. The Owner or Owner's Representative will return comments to the Contractor, and the Contractor shall incorporate all comments into a revised user's manual. The Contractor shall submit the revised manuals for approval prior to commencing system installation. The Contractor shall submit the following manuals in electronic (PDF or Microsoft Word) format:

    a. PARCS user manuals

    b. PARCS subsystems manuals

    c. Maintenance manual

    d. Training manuals – including workbooks, lecture notes, and manuals to be used in live training sessions to include the following:

        (1) Supervisor Manual

        (2) Systems Administration Manual

        (3) LPR User Manual

        (4) Reporting Manual

7. Disaster Recovery Plan: The final documentation shall include a comprehensive disaster recovery plan. The plan shall provide the step-by-step procedures for disaster recovery for each point of failure.

    a. The first steps shall be in diagnostics. The remaining steps shall provide procedures for resolution in order to bring systems back to full operational status.

    b. Should disaster occur immediately following, or as a result of, a patch or software update the disaster recovery process shall

return the system to the software version in effect prior to the patch or update being applied.

c. The disaster recovery plan shall include requirements for spares.

8. Testing procedures shall test all system functionalities that are described in these Functional Specifications as well as any other functionalities performed by the system (e.g., standard functionalities for the PARCS) that are not specifically described within these Functional Specifications. The test procedures document shall be submitted for review and comment a minimum of 45 calendar days prior to a required test. Fourteen (14) calendar days after receipt, review comments will be returned to the Contractor by the Owner or Owner's Representative. The Contractor shall incorporate the Owner or Owner's Representative's review comments into the Test Procedures. This revised document shall be resubmitted for verification that all comments have been incorporated. Ten (10) calendar days after receipt, review comments will be returned to the Contractor by the Owner or Owner's Representative. No test shall commence until the finalized Test Procedures Document is received by the Owner or Owner's Representative. The Contractor shall develop all test procedures for the tests that are listed below:

   a. Factory Acceptance Test (FAT)

   b. Lane Acceptance Test (LAT)

   c. Operational Completion Test (OCT)

9. A clear plan for the credit card processing subsystem shall be submitted as part of the proposal. The contractor shall provide this information in Section C.6 in their proposal. This plan shall include:

   a. Integration with a 3rd Party Chip-Card Processor

   b. Identification of how PCI DSS compliance is achieved

   c. P2PE certification

   d. Credit card processing system flowchart

   e. Example rates of 3rd party processing costs from similar installations.

F. The following tables contain a listing of required Contractor submittals and the timing for the respective submittal:

Contractor Submittal	Submittal Timing
(C.1) PARCS Replacement Executive Summary	Proposal*
(C.2) Proposed ParkBOI PARCS System Hardware	Proposal*
(C.3) Proposed ParkBOI PARCS System Software	Proposal*
(C.4) Phasing and Transition Plan	Proposal*
(C.5) Hotel and YMCA Integration Capabilities (including Valet Operations)	Proposal*
(C.6) Credit Card Processing Subsystem Plan	Proposal*
(C.7) List of Clearinghouses for which the Contractor has a certified interface	Proposal*
(C.8) Maintenance & Warranty Plan	Proposal*
(C.9) Training Program	Proposal*
(C.10) Milestone Payment Plan	Proposal*
(C.11) Nature and Impact of Exceptions	Proposal*
(C.12) Appendix A - Sample Set of Standard Reports	Proposal*
(C.13) Appendix B - Product Data for all hardware proposed including: Entry Station, Exit Station, Cash/Credit Pay Station, Credit Card Only Pay Station, EMV reader, Contactless Reader, QR Code Reader, Entry/Exit Vehicle Detection, Barrier Gate, Intercom, UPS, LPR System and Camera, AVI (Optional), Proximity Card Readers (Optional long-range readers), Pinhole Camera, Network Switches, Bollards, and Reservation System. Vendor to also provide product data or requirements for switches to be purchased by CCDC.	Proposal*
(C.14) Appendix C - PA DSS Report of Validation	Proposal*
(C.15) Appendix D - Third Party Escrow Agreement	Proposal*
Submit 60% Design Plan	Within 45 calendar days of contract award
Submit full design plans for review	30 calendar days prior to construction start
Conceptual Design Document consisting of: Credit Card clearinghouse interface and design	Within 45 calendar days of contract award
• Report formats and layout for all reports	30 calendar days prior to FAT
Manual - Instructional training manuals (workbooks, lecture notes, etc.)	30 calendar days prior to the respective training class
Test Procedures – Factory Acceptance Test	30 calendar days prior to test start
Instructional Training course outline and schedule	30 calendar days prior to the respective training class
Failover & Failback procedures manual for PARCS (Disaster Recovery)	30 calendar days prior to implementation
Manual - Manufacturer's recommended maintenance procedures manual	30 calendar days prior to implementation
Manual - PARCS user manuals (including manuals for all third-party integrations)	30 calendar days prior to implementation
Request to begin Operational Completion Test	30 calendar days prior to completion of LATs
Naming conventions for field devices	30 calendar days prior to installation
Test Procedures – Factory Acceptance Test	30 calendar days prior to test start

Test Procedures – Lane Acceptance Test	30 calendar days prior to test start
Test Procedures – Operational Completion Test	30 calendar days prior to test start
Instructional Training course outline and schedule	30 days prior to the respective training class
LPR Evaluation Software	Prior to LAT.
Perpetual Software Licenses	When software is installed
Outstanding Punch List items w/estimated completion date	Weekly after the completion of LAT
As-Built Documentation	At time of Substantial Completion of the Work

**Information shall be included in Section C of the Respondent's submittal and shall be clearly labelled as C.1 thru C.15, as indicated in the table above. See RFP for more information.*

1.06 QUALITY ASSURANCE

A. All PARCS components and their installation shall comply with all laws, ordinances, codes, rules, and regulations of public authorities having jurisdiction over this part of the work. It shall be the responsibility of the Contractor to meet these and all other current technical, performance, and safety standards that are applicable to all components and to the entire system, even when not specifically referenced. It shall be the Contractor's responsibility to obtain any and all permits that are required to complete this work.

B. All materials and equipment shall be listed, labeled, or certified by a nationally recognized testing laboratory to meet Underwriters Laboratories, Inc. (UL), standards where test standards have been established. Equipment and materials which are not covered by UL Standards will be accepted provided equipment and material is listed, labeled, certified, or otherwise determined to meet safety requirements of a nationally recognized testing laboratory. Equipment of a class for which no nationally recognized testing laboratory accepts, certifies, lists, labels, or determines to be safe, will be considered if inspected or tested in accordance with national industrial standards, such as NEMA, or ANSI. Evidence of compliance shall include certified test reports and definitive product data.

C. Housings of the components exposed to weather shall meet NEMA 4 standards or better to be moisture-proof and shall provide sufficient protection so that the components continue to function without moisture, dust, heat, or extreme cold related interruption.

1.07 DELIVERY AND STORAGE

A. Contractor shall be responsible for insuring all shipped items. Any items damaged during shipping shall be replaced and shipped to the Owner or Owner's Representative, by expedited means if requested, at no additional cost to the Owner or Owner's Representative.

B. The Owner or Owner's Representative shall provide the Contractor with a designated storage area up to 3,000 square feet within an existing ParkBOI parking garage for PARCS equipment that has not been installed. The Contractor shall describe in their Proposal the square footage of area required, and what is planned to be stored in the area. The Owner or Owner's Representative shall

determine the exact location(s) after Contract Award. It is the Contractor's responsibility to protect the equipment from theft and damage until final acceptance including installation of fencing, locks, and any other security provisions. Should the stored equipment be stolen or damaged prior to final acceptance, the Contractor shall replace the equipment at no additional cost to the Owner or Owner's Representative.

C. After equipment is installed, costs (time and material) for repair or parts replacement, components, etc., damaged or rendered unserviceable due to apparent and provable misuse, abuse, vandalism or negligence by Owner, Owner's Representative, CCDC employees, or the using public are excluded as a cost incurred by the Contractor. Also excluded from the costs incurred by Contractor are damages due to Acts of God that occur after installation.

1.08 PROJECT/SITE CONDITIONS

A. All field equipment and components shall be fully protected from the ambient environment when installed in the proper housing provided by the Contractor. Operation of the equipment shall not be affected in any way by Normal Weather Conditions. In addition, operation of the equipment shall not be affected in any way by the conditions listed below:

1. Ambient Temperatures: -20ºF to 120ºF
2. Humidity: 0% to 95% (non-condensing)
3. Rain: Blowing rain with 80 mph gusts
4. Snow: Blowing snow with 80 mph gusts
5. Dust: Blowing dust and fine sand
6. Wind: gusts of 80 mph or greater

B. Environmental conditions shall not inhibit the PARCS from performing in accordance with these Functional Specifications. The Contractor shall provide a system such that environmental conditions in a cabinet shall not cause failure of the installed electronics.

C. Electrostatic and electromagnetic forces within the environment, e.g., non-direct lightning strikes, or other types of power interference shall have no effect upon the integrity or operation of the PARCS. The Contractor's solution for preventing power interference shall be presented to the Owner or Owner's Representative for approval prior to implementation. Lightning protection through surge arrestors or earthen ground rods or a combination thereof shall be provided and installed for the PARCS. The Contractor shall determine, based upon their system requirements, the appropriate lightning protection method to use for the location where the equipment is installed. Equipment shall be UL approved for use as part of a primary labeled lightning protection system and marked in accordance with UL procedures.

D. Existing Communications

1. Currently, the existing PARCS equipment is connected to servers using leased line communications located in either the CCDC offices or communication rooms in parking garages. All S&B servers are located in the CCDC offices while Amano servers can be found in the

communication room of the 11th and Front garage. Each parking garage room has direct communications using Ethernet cables to all devices in the facility from the communications room at each site. The existing vendor currently runs on a hosted server located at the CCDC offices. The vendor will be responsible for providing new communications from the lanes and the main switch in a cabinet provided by CCDC.

E. Existing Power

1. The Contractor shall utilize the existing power where possible.

F. Parking Facilities

1. The parking garages utilize Scheidt & Bachmann PARCS in five parking garages and Amano PARCS in one parking garage (11th and Front). CCDC parking garages can accommodate various user types including hourly parkers (transient), monthly parkers, three hotels, and special event parkers. A future parking garage is anticipated to be built in downtown Boise near 10th and Jefferson and will need integration with YMCA customers using their membership pass cards as garage credentials. All parking garages are automated during regular operations. Each parking garage has ticket dispensers on entry and payment upon exit. Programs like BikeBOI bike parking can be found in the 9th and Main parking garage and utilizes a proximity card that is integrated with Scheidt & Bachmann PARCS for monthly bike parkers. All parking garages have pedestrian warning alerts at exits to warn pedestrians of exiting cars. These warning systems are not integrated in the current PARCS but rather have their own standalone system that will not be integrated into the PARCS.

2. The following parking facilities are included in this project:

a. **9th and Main:** This parking garage has three (3) access points: an entry along Main Street, an exit along 9th Street, and an entry and exit along Idaho Street. BikeBOI parking is located on level one and integrated within the PARCS. The Main Street access point has one entry lane. There are two exit lanes on level one, and drivers can exit either through 9th Street or Idaho Street after the exit gates. There is a parking space counter located at the Main Street and at Idaho Street access points. All lanes have a proximity card reader for monthly parkers, a QR scanner for validated tickets, and an intercom system. On level one, there are two drive-thru ATM lanes adjacent to the parking entry lane that are not part of the scope of this project. The drive-thru ATM is accessible via the Main Street access point, outside this facility's gated area. This parking garage predominantly serves monthly parkers, many of whom are downtown Boise office workers and/or employee tenants of the Zions Bank Building. There are nested parking areas on levels three through five, with one entry and one exit lane on each level. All lanes in the nested parking areas have a proximity card reader for monthly parkers. Nested parking lanes have intercom systems. There are roll-up gates at each access point for fire safety that are not integrated with the PARCS and are

not intended to be integrated in the future. All equipment is Scheidt & Bachmann.

b. **9th and Front:** This parking garage has two access points: an entry and exit along 9th Street and an exit along Front Street. The 9th Street access point has one entry lane and one reversible entry/exit lane. The Front Street access point has one exit lane. There is a parking space counter located at the 9th Street access point, as well as at the corner of 9th Street and Front Street on an elevated wall mounted sign. All lanes have a proximity card reader for monthly/residential parkers, a QR scanner for validated tickets, and an intercom system. This parking garage predominantly serves event parkers during nights and weekends. There are nested parking areas on levels three through five with one entry and one exit lane on each level. All lanes have a proximity card reader that include residential parkers of the Aspen Lofts. Nested parking lanes do not have intercom systems. There are roll-up gates at each access point to the nested parking areas for fire safety and overhead gates open using a clicker. These users will need to be provided with access credentials, but the overhead equipment and clicker will remain. All equipment is Scheidt & Bachmann.

c. **10th and Front:** This parking garage has two access points: two exit lanes on Grove Street and a single entry on 10th Street. The Grove Street access point has two exit lanes, and the 10th Street access point has one entry lane. There is a parking space counter located at the 10th Street access point. This parking garage predominantly serves guests of Hotel 43, monthly parkers, visitors, and valet parking from the hotel and nearby restaurants. All lanes have a proximity card reader for monthly parkers, a QR scanner for validated tickets, and an intercom system. Hotel 43 guests utilize reserved spaces within the facility and are able to enter/exit the facility via QR code printed at the Hotel 43 registration/check-in desk. All equipment is Scheidt & Bachmann.

d. **11th and Front:** This parking garage has three access points; an entry along US-26 (Front Street), an entry/exit along an alleyway between Front Street and Myrtle Street, and an entry/exit along a driveway between the parking garage and the Hilton Garden Inn on the west side of the garage. The Front Street access point has two entry lanes, and the remaining access points both have one entry lane and one exit lane. There is a parking space counter located at the Front Street access point. However, this is currently non-functioning due to incompatibility with the existing PARCS equipment. All lanes have a proximity card reader for monthly parkers, a proximity card reader for hotel guests, a QR scanner for validated tickets, and an intercom system. This parking garage predominantly serves guests of the Hilton Garden Inn but has become increasingly popular among visitors looking to park. All equipment is Amano.

e. **Capitol and Main:** This parking garage has three access points: an entry along Main Street, an entry along Idaho Street and an exit along Capitol Boulevard. The Idaho Street access point and the Main Street access point leads to one entry lane on level two of the parking garage. There are two exit lanes on level one that merge into a single exit lane, exiting to Capitol Boulevard. A parking space counter is located at both the Main Street and Idaho Street access points. All lanes have a proximity card reader for monthly parkers and a QR scanner for validated tickets. This parking garage predominantly serves hourly and monthly parkers in addition to the residents of the Chase Bank Tower Condominiums. All equipment is Scheidt & Bachmann.

f. **Capitol and Myrtle:** This parking garage has three access points: an entry along Capitol Boulevard, an entry along the Alley Way between the parking garage and 8th Street, and an exit along the Alley Way between the parking garage and 8th Street. The Capitol Boulevard access point has one entry lane. One of the Alley Way access points has two exit lanes, and the other access point has one entry lane. There is a parking space counter located at the Capitol Boulevard access point. All lanes have a proximity card reader for monthly parkers, a proximity card reader for hotel guests, a QR scanner for validated tickets, and an intercom system. This parking garage predominantly serves the Hampton Inn guests. All equipment is Scheidt & Bachmann.

3. Entry/Exit Control: Entry and exit lanes are distributed as detailed in the following table.

Deck Name / Access Point	Lanes			User Type per Access Point			Payment Machines		
	# of Entry Lanes	# of Exit Lanes	# of Reverisble Lanes	Visitors	Monthly	Hotel	Credit Card	Cash	CC + Cash
9th & Main									
Main Street	1	0	0	x	x				
9th Street	0	1	0	x	x		1	-	3
Idaho Street	1	1	0	x	x				
Nested Area	3	3	0		x		-	-	-
9th & Front									
Front Street	0	1	0	x	x		2	-	2
9th Street	1	0	1	x	x				
10th & Front									
Grove Street	0	2	0	x	x		-	-	1
10th Street	1	0	0	x	x	x			
11th & Front									
US-26	2	0	0	x	x	x			
11th Street Alley Way	1	1	0	x	x	x	-	-	2
Hilton Garden Inn Alley Way	1	1	0	x	x	x			
Capitol & Main									
Main Street	1	0	0	x	x				
Idaho Street	1	0	0	x	x		2	-	3
Capitol Boulevard	0	1	0	x	x				
Capitol & Myrtle									
Capitol Boulevard	1	0	0	x	x	x	-	-	1
Alley Way	1	2	0	x	x	x			

Quantities for all entry lanes, reversible lanes, and exit lanes will remain. The quantities for the Pay Stations are outlined in their respective hardware sections.

1.09 PROJECT SEQUENCING

A. The Contractor shall propose sequencing in the Phasing Plan that achieves full implementation of the PARCS within 365 calendar days. The selected Contractor will need to be presented for CCDC Board approval and then a contract will be negotiated.

1.10 MAINTENANCE AGREEMENT

A. The Contractor shall provide training and vendor certification for up to two designated employees to become factory trained technicians capable of performing all maintenance duties of an on-site technician. This shall be inclusive of all technician equipment and tools, and travel for training. Annual and recurring training shall be included as well. The training and vendor certification shall allow the employee to perform maintenance activities and not void the warranty.

B. The Contractor shall offer maintenance plans for Emergency Maintenance and Repair needed with information on response times for repairs that might need a technician on-site.

C. The maintenance agreement scope of work for this agreement does not cover any repairs necessitated by vandalism, customer or owner misuse, Acts of God, or any other cause that does not specifically relate to normal wear and tear.

D. The maintenance agreement scope of work and related fee shall include all PARCS maintenance within business hours, including parts and labor. The maintenance agreement scope of work and related fee shall include all emergency maintenance outside of business hours.

E. Vendor to provide response times for Emergency maintenance options for the Owner to select the option that best suits their needs.

1.11 WARRANTY (HARDWARE AND SOFTWARE SUPPORT) – YEAR 1 AND 2

A. The Contractor shall warranty all parts, materials, software, 3rd party hardware, 3rd party software, and workmanship following successful completion of the OCT and receipt of acknowledgement of formal system acceptance by the Owner or Owner's Representative, for a period of twenty-four (24) consecutive months. All-inclusive costs (parts, labor, maintenance, software, 3rd party software, 3rd party hardware, warranty repairs, Contractor travel time, Contractor expenses, etc.) incurred during the warranty period shall be provided without additional cost to the Owner or Owner's Representative.

B. The Contractor shall allow trained CCDC-designated PARCS maintenance technicians to perform maintenance on PARCS equipment that shall not void the warranty of the equipment.

C. Costs (time and material) for repair or parts replacement, components, damaged or rendered unserviceable due to apparent and provable misuse, abuse, vandalism or negligence by Owner, Owner's Representative or Owner employees or the using public are excluded as a warranty item. Also excluded

from the warranty are damages due to Acts of God. All services that are performed during the warranty period are assumed to be included as part of the warranty. If there are maintenance or other services that will be provided that are not included as part of the warranty, Contractor shall outline those services and costs for those services in their proposal. The contractor shall provide this information in Section C.8 in their proposal.

D. The warranty period on the PARCS shall begin when the OCT has been successfully completed and the Contractor has received written notice of formal system acceptance from the Owner or Owner's Representative. The Contractor shall maintain all systems that are operating prior to starting the warranty period at no cost to the Owner or Owner's Representative. Maintenance services shall be as defined within the Manufacturer's recommended maintenance procedures manual submitted with the Proposal and as accepted by the Owner or Owner's Representative. The contractor shall provide this information in Section C.8 in their proposal.

E. The Contractor shall maintain all systems throughout the warranty period. All preventive maintenance shall be performed at non-peak periods during regular business hours. Vendor to coordinate with Client at a minimum 24 hours in advance to determine the appropriate time to perform any maintenance/updates that would occur during business hours.

F. Software Support during the Warranty Period: In this Section PARCS software shall refer to the Contractor's software used in the PARCS.

1. The Contractor shall make available to the Owner or Owner's Representative normal PARCS software improvement releases (updates) when they become available. Where PARCS software problems are identified and are agreed to be minor, that is not affecting revenue, reporting, or the entry/exit or payment functionalities, these problems shall be corrected in a new PARCS software release to be available to the Owner or Owner's Representative within thirty (30) calendar days of notification. All upgrades or improvements to PARCS software shall be documented and approved, prior to implementation. The Contractor shall correct major PARCS software problems immediately on a priority basis. Major PARCS software problems are defined as those causing erroneous financial transactions, revenue loss, reporting errors (including parker counts), loss of entry/exit functionality, loss of payment functionality, system instability, database corruption and compromised operational efficiency. Where PARCS software problems are identified and are agreed to be major, these problems shall be corrected in a new PARCS software release to be available to the Owner or Owner's Representative within five (5) calendar days of notification.

2. All PARCS, and 3rd party software patches and updates (provided as part of this proposal) shall be provided free of charge during the warranty period; however, the Owner or Owner's Representative shall have the option of implementing the updates or not. Seven (7) calendar days prior to all PARCS software modifications, patches, updates, and upgrades, the Contractor shall provide accurate and complete documentation that describes:

    a. patch/update release designation

b. proposed date and time of implementation

c. detailed description of what the patch/update accomplishes

d. full disaster recovery procedures that return the system to its pre-patch update condition

e. list of other installations where the patch has been previously installed, and contact information for those customers

3. Contractor shall coordinate the testing and implementation of all patches and updates with the Owner or Owner's Representative.

4. Contractor shall provide a change control methodology to document system changes and approvals prior to implementation.

5. The Contractor shall commit to provide corrective patches and upgrades in the event security vulnerability or system availability issues are discovered within fifteen (15) calendar days of discovery.

1.12 POST-WARRANTY (HARDWARE AND SOFTWARE SUPPORT) – YEARS 3 THROUGH 10

A. The Contractor shall propose a scope of work to provide post-warranty software support services, preventative maintenance, and emergency services, for up to ten (10) years from the final project acceptance. Services to be described in the scope of work for the Software Support, Preventative Maintenance and Emergency Support Agreement include, but are not limited to:

1. On-Site support and maintenance for all PARCS software, equipment, and all 3rd party applications.

2. Remote support and maintenance for all PARCS software, equipment, and all 3rd party applications.

3. 24/7 Hotline telephone support

4. On-Site emergency response support.

5. All PARCS software patches and updates shall be provided free of charge during years 3 - 10; however, the Owner or Owner's Representative shall have the option of implementing the updates or not. Seven (7) business days prior to all PARCS software modifications, patches, updates, and upgrades, the Contractor shall provide accurate and complete documentation that describes:

a. patch/update release designation

b. proposed date and time of implementation

c. detailed description of what the patch/update accomplishes

d. full disaster recovery procedures that return the system to its pre-patch update condition

e. List of other installations where the patch has been previously installed, and contact information for those customers

6. Contractor shall provide all required documentation for patches, updates, and modifications in accordance with PCI-DSS version 4.0 or higher.

7. Contractor shall coordinate the testing and implementation of all patches and updates with the Owner or Owner's Representative.

8. Preventative Maintenance support will be provided by the Owner or Owner's Representative for non-technician maintenance such as taking care of paper receipts, low stock for tickets.

B. Proposed scope of work shall be subject to modification and ultimate approval of the Owner or Owner's Representative.

C. For emergency support services, the Contractor shall provide Hourly Service Rates, as defined below:

1. Regular Business Hours – 6:00 AM through 11:00 PM, 7 days a week

2. Outside of Business Hours – 11:00 PM through 6:00 AM, 7 days a week

D. If the Contractor withdraws from the manufacture, distribution, or support of parking revenue control systems in the United States; or sunsets a hardware component, the Contractor shall provide the Owner or Owner's Representative with the notice of such occurrence at least 180 calendar days in advance of withdrawal. In addition, the Contractor shall provide the Owner or Owner's Representative with manufacturing specifications for all Contractor-manufactured components and sourced-proprietary components of the PARCS, and the Owner or Owner's Representative shall be provided the opportunity to purchase a suitable number of spares of all discontinued components.

1.13 MAINTENANCE SERVICES

A. The Maintenance Services to be provided by the Contractor shall include maintenance for the PARCS hardware components, and all subsystems. The services proposed by the Contractor shall also cover any additional subsystems that are installed by the Contractor as part of this project.

B. The Contractor shall provide an online Maintenance Tracking System to track all maintenance activities. The Maintenance Tracking System shall provide the Owner or Owner's Representative a dashboard view of all scheduled and unscheduled maintenance activities. The Maintenance Tracking System shall record when calls or service tickets are received and when they are resolved. The Maintenance Tracking System shall be used as the source of information to calculate maintenance performance against the contractual requirements. All entries into the Maintenance Log shall be stored in the Maintenance Tracking System.

C. The support to be provided by the Contractor under the maintenance contract shall provide the Owner or Owner's Representative with complete PARCS support. The service coverage for hardware covered by the maintenance contract is 24 hours per day, seven days per week, and 365 days per year. Contractor-certified technicians shall provide total system support. Access to a Contractor-certified technician includes contact by telephone, e-mail, and on-site as needed to provide the levels of support defined within the Contract. The Contractor shall be responsible for providing all labor, materials, equipment, and supervision required to maintain and repair all PARCS hardware installed as part of this project, as well as PARCS hardware installed during the term of the maintenance contract. The scope of the maintenance work includes Preventive Maintenance and Emergency Services Maintenance.

D. Maintenance Responsibilities

1. There are two types of maintenance, Preventive Maintenance and Emergency Services Maintenance, and each type is further divided into two levels, Technician Level and Operational Level. The Contractor shall only be responsible for providing Technician level services. All Operational level services shall be provided by Owner or Owner's Representative staff as defined within this section.

    a. The Contractor shall submit technician hourly rates for both preventative and emergency services maintenance.

2. Any individual providing Technician Level Maintenance Services as part of the maintenance agreement shall be a factory trained and certified technician.

E. Preventive Maintenance – Technician Level

1. Preventive Maintenance Plan: The Contractor shall submit a proposed Preventive Maintenance Plan for all hardware specified in the Contract that ensures all hardware operates as designed and specified. The Contractor shall submit the Preventive Maintenance Plan as part of their Proposal response. Preventive Maintenance services shall include but are not limited to inspection, testing, necessary adjustment, alignments, lubrication, parts cleaning, replacement of consumables, battery refresh, and communication system maintenance of the PARCS hardware provided as part of this project by the Contractor. The Owner or Owner's Representative reserves the right to modify any portion of the Preventive Maintenance Plan throughout the life of the Contract. Preventive Maintenance services shall be performed on each hardware component of the PARCS in accordance with the approved Preventive Maintenance Plan. The Contractor shall provide a list of Preventive Maintenance tasks and frequencies for each component, to include daily, weekly, bi-weekly, monthly, quarterly, semi-annual, and annual overhauls. The contractor shall provide this information in Section C.8 in their proposal.

2. Preventive Maintenance shall be scheduled to the greatest extent possible during non-peak periods. The Contractor shall consult with the Owner or Owner's Representative to determine periods of peak activity for the various devices.

3. The Contractor shall provide the ability to schedule maintenance during heavy traffic times at an emergency rate.

Scheduled maintenance services shall follow this general procedure:

1. Prepare - This includes reading and becoming familiar with all manuals and material concerning the equipment, ensuring safety precautions are taken, obtaining all tools, taking the equipment out of service, initiating service documentation, and updating the Maintenance Log.

2. Visually Inspect – Includes checking for loose wires, missing hardware, structural damage, damaged cables, cracked displays, peeling labels, rust, etc.

3. Service and Repair – This includes performing the service and repairing items noted faulty during the inspection.

4. Test – This includes testing the equipment to ensure functionality in accordance with the Contract.

5. Return to Service – Once testing is complete and successful the technician shall return the equipment back into service.

6. Complete Service Documentation – The technician shall complete the service documentation, file paperwork for historical purposes, and update the Maintenance Log.

F. As part of the Preventive Maintenance procedures for each piece of equipment the Contractor shall initial and note the date and time the Preventive Maintenance was performed and update a Maintenance Log. The Owner or Owner's Representative shall, at any time, access the Maintenance Log to compare the entries to the scheduled and logged maintenance services within the Maintenance Log and monthly reports provided to the Owner or Owner's Representative by the Contractor.

G. The Contractor shall be responsible for providing all tools and test equipment or any specialized tools required to perform the tasks of the maintenance agreement as well as any method of transportation, such as a vehicle, required to transport the technician(s) and store required tools and spare parts.

H. All consumable office supplies shall be the responsibility of the Contractor.

I. Preventive Maintenance Services - Operational Level:

1. The Owner or Owner's Representative parking staff shall have the responsibility of providing the Operational Level Preventive Maintenance services as follows:

a. Checking the status of the lane status lights at 9th & Front Reversible Lanes.

b. Checking printer clarity

c. Checking gate arms for tightness and serviceability

d. Checking printer paper and ticket stock

e. Aesthetic cleaning of the PARCS equipment

J. Emergency Services – Technician Level

1. Emergency Services shall be performed in response to specific events and shall return equipment to an operating state following a malfunction. Emergency services shall include inspections and necessary tests to determine the causes of PARCS hardware malfunction or failure. The emergency services shall also include the furnishing and installation of components and/or parts that are required to repair malfunctioning system elements.

2. The Contractor shall perform Emergency Services in response to notifications by the Owner or Owner's Representative under normal conditions as described herein. In addition, the Contractor shall perform Emergency Services in response to notifications by the Owner or Owner's

Representative under unusual conditions. Unusual conditions may include a vehicle striking lane equipment thereby damaging the equipment so that the equipment may stop working. Services performed under unusual conditions shall be invoiced to the Owner or Owner's Representative above the Contract value on a time and materials basis. The Contractor shall propose hourly rates based on the time of day, day of week, etc. that the services are performed. Parts required to perform Emergency Services under unusual conditions, that are not included in the spare parts inventory, shall be invoiced to the Owner or Owner's Representative at the agreed upon rates used to replenish the spare parts inventory under normal conditions.

3. Due to the gravity of an equipment malfunction/failure, emergency responses and associated corrective actions shall be provided within the response times in this specification. When Emergency Services are required, as determined by the Owner or Owner's Representative, the Owner or Owner's Representative shall notify the Contractor at any time, twenty-four (24) hours per day, seven (7) days per week, three hundred sixty-five (365) days per year. As with Preventive Maintenance, emergency services shall be tracked in the Maintenance Log. Contractor shall follow Owner or Owner's Representative provided procedures on who to contact to inform and/or update the status or resolution of a problem.

K. Emergency Service Maintenance Performance Requirements

1. The Contractor shall provide three (3) methods of notification to be used for emergency contact information. The methods of notification shall provide a means of tracking the date and time the message was delivered. The Contractor shall provide a response call within thirty (30) minutes of notification by the Owner or Owner's Representative. The Contractor shall respond within thirty (30) minutes to all emergency maintenance notifications. Performance shall be calculated as the total number of response calls returned to the Owner or Owner's Representative within thirty (30) minutes divided by the total emergency notifications placed in one (1) month. For each percentage point (below 100%) of total emergency maintenance calls that the Contractor does not respond to within thirty (30) minutes, the Contractor's monthly invoice shall be reduced by 5% of its Emergency Maintenance (EM) invoice amount. Each thirty (30) minutes in excess of the response to the maintenance call shall be treated as an additional call. For example, if the Maintenance Tracking System indicates that the Contractor responded within thirty (30) minutes to 98% of all emergency maintenance calls, the Contractor's monthly EM invoice amount shall be reduced by 10%.

2. Resolution of the situation within four (4) hours after notification is required in all situations. A temporary solution is acceptable in the event replacement parts are not available in inventory. Performance shall be calculated as the total number of emergency events resolved within four (4) hours divided by the total emergency notifications placed in one (1) month. Each four-hour timeframe after the initial maintenance call shall be treated as a separate maintenance call. For each percentage point (below 100%) of total emergency maintenance calls that the Contractor does not

resolve within four (4) hours, the Contractor's monthly invoice shall be reduced by 5% of its EM invoice amount, unless the Owner or Owner's Representative agrees that there were factors beyond the Contractor's control that prevented them from performing. For example, if the Maintenance Tracking System indicates that the Contractor resolved 98% of all emergency maintenance calls within four (4) hours or less, the Contractor's monthly invoice shall be reduced by 10%. The Contractor shall submit a table with expected response times, options, and pricing for anticipated maintenance situations. The following table provides some examples of expected response times to given situations:

Situation/Problem	Expected Response Time
Call from Owner	Within 30 minutes
Critical software malfunction	Within 30 minutes
Credit card system malfunction	Within 30 minutes
Ticket/credit card reader not working	1 hour
Gate malfunction	1 hour
Slowness in lanes	1 hour

3. Factors beyond the control of the Contractor, such as unexpected delays in parts, accidents, severe weather, and unusual traffic, shall be thoroughly documented in the Maintenance Log and reported to the Owner or Owner's Representative the next business day. The Owner or Owner's Representative may grant relief for the service hour requirement after reviewing these factors.

4. The Owner or Owner's Representative shall notify the Contractor in writing of performance problems with respect to the service standards within twenty (20) days after the end of each month based on the performance reports from the Maintenance Tracking System.

5. The Contractor shall be given thirty (30) days from receipt of notification to take corrective actions with respect to the problem identified by the Owner or Owner's Representative or request relief.

L. Maintenance Staff

1. The Contractor shall provide resumes for the proposed maintenance staff as a part of the Proposal.

2. The Contractor shall adhere to the requirements noted below, and then propose an appropriately sized staff to ensure successful performance of routine Preventive Maintenance and Emergency Services Maintenance. The Contractor's staffing plan shall take into consideration extenuating circumstances such as illness, family emergencies, vacations, etc. such that the required number of technicians are always available. The Vendor shall propose options for technicians on site and their hours and shall also propose options for local technicians to be readily available.

3. The Contractor's maintenance staff that will perform the scope of work described shall consist of:

   a. Factory trained hardware technicians available throughout the life of the maintenance Contract to handle Preventive Maintenance.

b. Factory trained hardware technicians to handle emergency maintenance services calls, available by text, email, or phone twenty-four (24) hours a day, seven (7) days a week, three hundred sixty-five (365) days a year.

c. The Owner or Owner's Representative shall have the right to have any personnel removed from the Site at its sole discretion. Contractor shall immediately remove personnel upon notification.

M. License Plate Recognition Services

a. The Owner or Owner's Representative will perform random LPR accuracy testing on various lanes within the PARCS each month. Contractual accuracy standards defined in the Specification shall be maintained throughout the life of the system.

b. If the random test results do not meet these standards, an Emergency Services Maintenance notification shall be made to the Contractor by the Owner or Owner's Representative. The Contractor shall then respond to the notification and resolve the issue accordingly.

1.14 SPARE PARTS

A. Contractor shall provide listing of all spare components and manufacturers of those spare components to the Owner or Owner's Representative with contact information, pricing, and availability.

B. The Contractor shall propose a list of spare parts (type and quantity) to be maintained on site. The list of all spare parts required to maintain the system under the submitted preventive maintenance program shall be clearly identified and included in the Proposal. After a spare part is taken from the inventory a replacement spare part shall be ordered. In addition, the Contractor shall submit a price list for the proposed spare parts inventory that lists the cost of each part on the spare parts inventory. The contractor shall provide this information in Section C.8 in their proposal.

C. Contractor shall provide an asset management application that is accessible by the Owner or Owner's Representative. This application shall maintain an ongoing inventory of all available spare parts and components, parts distribution, and pricing. The asset management application shall track on a daily basis and provide an up-to-date inventory of spare parts. The Owner or Owner's Representative shall have access to the asset management application to include review of spare parts inventory at any time. It is acceptable for the asset management application to be a part of the Maintenance Tracking System, or it may be a cloud-hosted spreadsheet.

D. The Owner or Owner's Representative reserves the right to order additional parts and manage the PARCS spare parts inventory as required to maintain the system. All parts needed for repair will be shipped overnight at the expense of the Contractor.

E. The proposed spare parts list is subject to the approval of the Owner or Owner's Representative, and the Owner or Owner's Representative reserves the right to modify the spare parts inventory throughout the term of the Contract. The Owner or Owner's Representative shall provide a storage location of the spare parts,

exact location to be identified by the Owner or Owner's Representative after Contract Award. The Contractor shall have access to the spare parts inventory and shall have the responsibility of ordering replacement components or parts as components or parts are used prior to completion of the warranty. Contractor shall replace spare parts from the inventory immediately upon use.

F. All equipment and parts shall be newly manufactured within the past six (6) months and never installed in any other operational system other than for factory test purposes for this contract.

G. When delivered to the Owner or Owner's Representative, an itemized list of Contractor's part numbers, model numbers, pricing, supplier's address, supplier's telephone numbers, and any single source components shall be identified by the Contractor. Contractor shall provide listing of all spare components and manufacturers of those spare components to the Owner or Owner's Representative with contact information, pricing, and availability.

1.15 CONSUMABLES

A. The Contractor shall provide the Owner or Owner's Representative with receipt specifications; barcode/QR code location; and proposed ticket printer for the new PARCS within thirty (30) days following Contract Award. The ticket format shall be such that the Owner or Owner's Representative can input their required information on the ticket and submit the revised ticket to the Contractor for review and revisions as required. An agreed upon ticket format for each facility shall be finalized within sixty (60) days after Contract Award. Ticket stock and receipt paper shall be printed with an Owner approved logo and appropriate branding as specified by the CCDC.

B. The Owner or Owner's Representative shall not be tied down to any one particular ticket supplier. As such, ticket specifications shall be reproducible by multiple ticket printers. Specifications for consumables shall be included with required bid documents, and the Owner's Operator will be responsible for the procurement of ticket stock consumables.

C. The Contractor shall provide a set of keys for each unit of equipment that is stocked with tickets. The Contractor shall also provide five (5) sets of primary keys for all locks. All equipment of the same type shall have the same key. All keys should be unique for the project. Keys for areas that access cash shall be keyed individually. This includes bill acceptors, coin vaults, and cash vaults. All other keys should be keyed the same.

PART 2 - PRODUCTS

2.01 SOFTWARE

A. The Vendor shall propose a cloud-based system for the PARCS and all third-party integrations and systems.

B. All software and software licensing required by the system shall be provided by the Contractor. Each such software package shall be identified in the Contractor's Proposal. Unless specified elsewhere, all third-party software provided by the Contractor shall be the latest available version at the time of system implementation. The Contractor shall be responsible for making any necessary modifications, and providing documentation of such modifications, to existing software programs that the Contractor adopts for the system. Should the Contractor and the software vendor be separate entities, the standard system software supplied shall not be modified by the Contractor in any way that shall preclude the purchase of a standard maintenance and service contract from the Contractor. All third-party software maintenance agreements shall remain valid throughout the duration of the warranty period and shall be extended on an annual basis according to the provisions to be negotiated and described within the post-warranty Software Support, Preventive Maintenance and Emergency Support Agreement. The contractor shall provide this information in Section C in their proposal.

C. The Contractor shall identify any and all third-party software and their associated licenses in the Proposal. Licenses shall cover future updates as required by the Contract Documents for as long as the software is maintained by the third-party provider. The contractor shall provide this information in Section C.3 in their proposal.

D. All PARCS functionality shall be accessible and usable via a browser-based GUI. The GUI shall be compatible with all major browsers and shall at a minimum work universally with Firefox, Chrome, Safari, and Internet Explorer. Vendors shall also provide option for mobile friendly GUI.

E. System Design Review

1. Contractor shall submit necessary documentation in the form of the Conceptual Design Document to conduct a System Design Review. Required documentation shall demonstrate to the Owner or Owner's Representative that the Contractor's proposed system meets 100% of the requirements of this specification. The Owner or Owner's Representative shall require a minimum of ten (10) business days for the review the Conceptual Design Document. To receive written acceptance, Contractor shall incorporate and demonstrate the Owner or Owner's Representative's feedback/comments from the Conceptual Design Document prior to commencement of the next milestone. Contractor shall not proceed until receipt of written acceptance presented by the Owner or Owner's Representative. The following summarizes in detail the requirements of these reviews:

2. System Design Review:

a. Documents to be submitted shall include, but not limited to, the following:

(1) System schematics, block diagrams, interconnection diagrams, and flow charts

(2) Standard reports samples and proposed formats for new reports

(3) Software design approach, database design and list of all software

(4) Detailed description of network design between field devices and cloud-based central system

(5) Detailed description of proposed credit card data flow and processing.

(6) Graphical User Interface (GUI) User Screens

(7) Transition Plan

b. Contractor shall facilitate and conduct the System Design Review at CCDC or at a location approved by the Owner or Owner's Representative.

F. Application Software

1. Application software shall be comprised of computer application programs to provide complete operation of the PARCS.

2. Cloud-based system shall allow multiple groups and roles that govern individual access to the system and transactions within the system. The assignment of a group/role will determine whether or not the individual may access a transaction, and if the access is update or view only.

3. The Contractor shall install and configure all application software and firmware required by the PARCS with all software licenses needed.

4. The application software shall provide the following:

a. Any action that could compromise the integrity of the operating system or application software shall be password controlled and shall comply with current, up-to-date PCI standards.

b. Separate login shall be required for the separation of file maintenance and routine data entry and retrieval.

c. PCI DSS V4.0 or higher: Assign all users a unique ID before allowing them to access system components or cardholder data.

d. PCI DSS V4.0 or higher: In addition to assigning a unique ID, employ at least one (1) of the following methods to authenticate all users:

(1) Something you know, such as a password or passphrase

(2) Something you have, such as a token device or smart card.

(3) Something you are, such as a biometric.

e. PCI DSS V4.0 or higher: Incorporate two-factor authentication for remote access.

f. PCI DSS V4.0 or higher: Render all passwords unreadable during transmission and storage on all system components using strong cryptography.

g. PCI DSS V4.0 or higher: Ensure proper user identification and authentication management for non-consumer users and administrators on all system components.

h. PCI DSS V4.0 or higher: Control addition, deletion, and modification of user IDs, credentials, and other identifier objects.

(1) Verify user identity before performing password resets.

(2) Set passwords for first-time use and resets to a unique value for each user and change immediately after the first use.

(3) Immediately revoke access for any terminated users.

(4) Remove/disable inactive user accounts at least every ninety (90) days.

(5) Enable accounts used by vendors for remote access only during the time period needed. Monitor vendor remote access accounts when in use.

(6) Communicate authentication procedures and policies to all users who have access to cardholder data.

(7) Do not use group, shared, or generic accounts and passwords, or other authentication methods.

(8) Change user passwords at least every ninety (90) days.

(9) Require a minimum password length of at least seven (7) characters.

(10) Use passwords containing both numeric and alphabetic characters.

(11) Do not allow an individual to submit a new password that is the same as any of the last four (4) passwords he or she has used.

(12) Limit repeated access attempts by locking out the user ID after not more than six (6) attempts.

(13) Set the lockout duration to a minimum of thirty (30) minutes or until administrator enables the user ID.

(14) If a session has been idle for more than fifteen (15) minutes, require the user to re-authenticate before re-activating the session.

(15) Authenticate all access to any database containing cardholder data. This includes access by applications, administrators, and all other users.

(16) Restrict user direct access or queries to databases to database administrators.

i. All changes to data, system, or operating system shall be logged and recorded in accordance with PCI requirements and shall not jeopardize PCI Compliance.

j. PARCS software shall be browser-based, web-browser enabled, and accessible through mobile applications (i.e. the PARCS software shall be accessible by an authorized user through an internet browser). Users shall not need a client version of the software installed on their workstations to access the software. Access rights to the system for Owner or Owner's Representative personnel and others shall be defined during implementation.

k. Solution shall provide role-based access control using the principle of least privilege for all system functions including system administration and security administration.

l. The PARCS software shall provide functionality to easily track the preventative maintenance cycles for all equipment. The system shall show the history of preventative maintenance for equipment.

m. Automatically detect and report fault conditions. The system shall perform a self-check on a routine basis and provide notification for fault conditions and equipment failure. Fault conditions shall be categorized by severity and the system shall notify designated Owner or Owner's Representative personnel via email and or text message for any individual fault condition, category of fault, or Owner or Owner's Representative -selected group of faults.

n. Facilities monitoring of all field devices, e.g., entry terminal status, barrier gate status, Unattended Exit terminal status, and lane status displays.

o. Allow Supervisors to authorize exception transactions occurring in an Unattended Exit Lane transaction from a workstation. Authorization shall be auditable by username, date, and time.

p. Require Supervisors to enter reason for adjusting any ticket in a comment field. Each use of this function shall be automatically logged in the system with date, time, and username.

q. Central access and control of field devices – Users with the appropriate authorization shall be able to issue remote commands from system workstations to the field devices such as raising and lowering the barrier gates; rebooting the entry or exit terminal; putting the entry or exit terminal in or out of service; changing the lanes status signs. The use of central controls shall be logged with user ID, time, device controlled, and action taken.

r. Parking rate, grace period, and time increment changes – All parking rate, grace period and time increment changes shall be conducted at the back-end system level and shall be auditable within the system. The PARCS shall remotely communicate with all devices in real-time for a general broadcast of information or software update or communicate to a single device to upload information or software. Broadcasting information such as rate

changes or time increment changes shall be in real-time to all field devices. It shall be possible to remotely shutdown a field device's operating system, upload updates and remotely restart the field device. The system shall correctly process parking fees during a transition:

(1) from daylight savings time to standard time, and vice versa,

(2) at the beginning of March during leap years (e.g., when there is a February 29th), or from one rate to another (e.g., rate shall have an effective date so that users are charged a parking fee based upon the parking fee that was current at the entry date and time, not the exit date and time, allow the new rate to be either less than or greater than the new rate). This requirement shall apply to the parking fees as well as any tax rates or structures.

s. Rate changes shall be configurable within the application software GUI, such that the Owner can make rate changes without the assistance of the Contractor.

t. Create system generated alarms – System shall generate alarms for any user selectable event type. Alarm Hierarchy shall be completely configurable so that the Owner or Owner's Representative can adjust priority of alarms, audible tones, where the alarms are sent (email, text, etc.), etc. Initial Alarm Hierarchy shall be coordinated with the Owner or Owner's Representative during implementation.

5. Industry standard software packages shall be utilized. Each such software package shall be identified in the Contractor's Proposal. The contractor shall provide this information in Section C.3 in their proposal. The Contractor's Proposal shall state the purpose of the software package, where it will be used, and how it will be used. If one software package is required to interface with another software package, the interface shall be documented and supported by flowcharts or block diagrams as appropriate. The Contractor shall advise if the software used in the system will be customized or "off the shelf" software and shall describe the method of obtaining further software updates or modifications. The Contractor shall identify the version of PARCS software that will be used in their Proposal.

6. Vendor shall provide the option for credit card on file for users to register an account online that connects with the PARCS and allows the system to read their vehicle(s) license plates and automatically charge a card on file.

G. Audit and Reporting

1. The PARCS system shall document parking revenue and activity and generate revenue and activity reports. All reports shall be available online, report data during user-specified dates, and on demand for Owner or Owner's Representative personnel who have proper password access.

2. The Owner or Owner's Representative shall be able to establish its virtual midnight for transaction processing, credit card batch close, and report cutoff times. The establishment of virtual midnight shall be the Owner or Owner's Representative responsibility that follows applicable instruction and training of Owner or Owner's Representative personnel by the Contractor.

3. The system shall identify and produce reports that reflect separately transient parking, and permit parking activities.

4. Transient parking data shall be able to be separated by Parking Facility, and Parking Product for reporting purposes.

5. The Owner or Owner's Representative shall be able to prepare custom reports using this data including the exportation of data to a report generation application such as a Business Intelligence tool or Microsoft Excel©, at a minimum, via a comma-separated-value file format or as a PDF file.

6. All reports shall query, filter, and sort transactions by date/time, location, ticket id, vehicle license plate number, field device unique identifier, parking fee, transaction type, exception, or validation type, at a minimum.

7. Capture, record, and report separately all exception transactions that could not be processed 100% and automatically by the system (swapped, unreadable, lost, foreign, mutilated, used, disputed fee, cancelled, credit card transactions processed in an off-line mode, etc.).

8. Contractor shall provide a definitions key for every report including a narrative description of what data each column and row represents and calculation formulas that define how all figures are obtained.

9. Develop and prepare up to ten (10) additional "custom" reports. The content and layout of the information in these new reports shall be dictated by the Owner or Owner's Representative in consultation with the Contractor. The Owner or Owner's Representative shall have up to the end of the warranty period to request the new reports. Contractor's Proposal shall include time and effort for development of the ten (10) custom reports.

10. The PARCS reporting subsystem shall be queried within the PARCS application to allow Owner or Owner's Representative staff to develop ad hoc reports. The system shall save ad hoc reports developed by the Owner or Owner's Representative staff in addition to standard and custom reports.

11. The Contractor shall coordinate with the Owner or Owner's Representative as required during the system design to address the specific reporting needs of the Owner or Owner's Representative. All standard and custom-designed reports shall be proven accurate prior to the Contractor receiving formal system acceptance from the Owner or Owner's Representative. The system shall feature a report scheduler to automatically deliver reports via email to pre-defined list of recipients.

12. The system shall provide a report to query individual user history and combine reporting in a fashion where the Owner or Operator can see

multiple reports for one (1) customer at a time, then make notes on their account, see historical issues and trends related to the customers pass. I.e., Seeing a monthlies interactions that include passback history, valid entries and exits, notes from customer interactions, and permit history all in one location.

13. All reports shall feature consistent report formatting for Microsoft Excel© export to sort and combine data.

14. At a minimum, reports provided shall include (by individual garage, set of garages and for the whole ParkBOI system):

    a. Monthly Reports

        (1) Monthly ISF summary

        (2) Monthly lost ticket summary

        (3) Monthly lost ticket transactions that could not be reconciled by LPR (i.e., charged the daily maximum rate)

        (4) Monthly revenue summary (by customer type)

        (5) Monthly credit card summary

        (6) Monthly cash, credit card, and access card (proximity cards) transaction summary

        (7) Monthly peak occupancy report (Relating to Facility)

        (8) Monthly year to date transaction & revenue summary

        (11) Monthly reservation summary (All valid reservations and use of reservations)

        (12) LPR Reports

    b. Daily Reports

        (1) Daily Reports Daily Credit Card Summary of (Date)

        (2) Daily Revenue Summary (by customer type)

        (3) Daily Transactions by Lane

        (4) Daily Revenue Summary (Relating to Facility)

        (5) Daily Validations by Facility

        (6) Daily Validations by Type

        (7) Daily Validations by Amount

        (8) Daily Validations by Issuer

        (9) Daily Validations Summary

        (10) Daily Exception Transactions Report

        (11) Daily Receipt Report

        (12) Daily Detailed LPR Transactions Report

(13) Daily Reservation Summary (All valid reservations and use of reservations)

c. Reports that allow queries over any length of time (hours or days)

(1) Occupancy (including the peak occupancy over a given timeframe, by customer type)

(2) Length of stay (vehicle staying over XX (parameter driven) days, by customer type)

(3) Transactions by lane

(4) Validations by type

(5) Revenue statistics (by customer type)

(6) Summary report events

(7) Proximity card access use

(8) Ability to query by rate

(9) Receipts report by date

(10) System Login Summary to include:

(a) Remote Client ID

(b) Username

(c) Login and Logout Time & Date

d. Gate Open Report – For manual gate raises

(1) A report noting if a gate (entry or exit) was manually opened and by whom (or who was logged on at the time). Also noting if the gate was opened from a terminal or at the device.

e. Paystation Door Status Report

(1) A report noting dates and times of paystation door open/close and the live bill/coin count at those times for each device.

f. Lost Ticket Transactions Tracking Report (available in daily, monthly, and yearly containing the sort-able/filterable columns below)

(1) Exit date & time

(2) Transaction #

(3) Lost Ticket Amount

(4) Last name (non-case sensitive)

(5) First name (non-case sensitive)

(6) Phone #

(7) LPN State

(8) LPN

(9) Supervisor approval (non-case sensitive)

g. Manually Closed Ticket Report and Open Ticket Report (available in daily, monthly, and yearly containing the sort-able/filterable columns below)

(2) Entry date & time

(3) Location

(4) Ticket #

(5) Rate

(6) Plate ID

(7) Service Type

(8) Description

(9) Prepaid

h. Summary Reports

(1) Accurate occupancy report for transients, monthlies, and hotel guests.

(2) Hotel reporting to include entries/exits, open tickets, and creation of keys.

(3) Open stay report for a configurable length of time – Report shall include a list of vehicles in the garage longer than a period of days and their license plate.

(4) Reservation summary for all valid reservations and uses of closed tickets

(5) All transactions for a specific device.

(6) Lost & Unreadable details

(a) Two (2) days

(b) Most recent thirty (30) days

(c) Ticket back details

(d) Cancelled

(7) Credit card transactions

(8) Ticket by rate

(a) Most recent fifteen (15) days

(b) Choose date range

(c) For prior month

2.02 POWER

A. Existing power infrastructure (transformers, panels, conduits, and cabling) shall be re-used by the Contractor to support the new PARCS.

B. It is possible that the existing cables may not be able to be reused where cables have become damaged or corroded. For this unforeseeable situation, the Contractor shall propose a cost to the Owner or Owner's Representative upon discovery to install new power conduits and cabling to replace the unusable portions. The additional cost will be added to the total Contract cost through a Contract Amendment.

C. The Contractor shall provide power grounding of all devices per NEC. If an isolated ground is required, there may be instances where power-conditioning equipment may be required due to the location of equipment in relation to the power distribution panel and transformers.

D. A plaza specific UPS shall be installed to provide protection to the lanes and a minimum of 10 minutes to either restore failed electrical service or allow for properly shutting down the lane equipment.

2.03 COMMUNICATIONS

A. The PARCS shall reside on an existing fiber optic cable communication backbone that uses leased lines connected at the communications rooms in all facilities. Fiberoptic telecommunication lines are already present or are in the process of being installed in the garages. Vendors to coordinate with CCDC on phasing plan for each garage based on the fiber installation schedule (full deployment anticipated by the time this project starts). CCDC is to provide networking equipment up to the main switch (provided by the Vendor) at each parking facility. Vendors to propose in-lane networking equipment that might be used as well as connection to the main switch provided by CCDC at the communication rooms in all garages. Vendors shall provide CCDC with recommended central switch needs at each communication route (ports, type of switch, etc) needed to connect equipment.

B. The PARCS vendor shall provide communications from the communications room at each location to all the devices.

C. Conduit currently exists to all existing lanes and pay stations. Vendor to verify any additional conduits needed.

D. In addition to the requirements in these Functional Specifications, the Contractor shall comply with the CCDC IT Guidelines via Stability Networks. Firewall information can be provided upon request.

E. Vendor to provide new field switches for all the locations.

F. Vendor to potentially provide new racks/cabinets to fit all needed communications and power infrastructure in the communications rooms. Vendor to coordinate with CCDC representatives to determine the best location. Vendor shall include costs and cutsheets for the proposed rack/cabinets. A site tour meeting will be conducted prior to the proposal submittal date to review existing communications and power infrastructure at each garage location.

2.04 EQUIPMENT AND SUBSYSTEMS

A. Third-Party Integrations

1. The Contractor shall be required to develop third-party integrations with the following systems:

    a. The Car Park Intercom System (currently using Umojo intercoms, but have integrations with Commend and Stentofon)

    b. CARMA management system for permits hosted by Parking Base

    c. Hotel Valet Systems (integrate with Oobeo or provide alternatives for valet operations)Hotel Card Systems:

        1. Hotel 43 Cards – StayNTouch PMS

        2. Hampton Inn Cards - Onity HT24W/HT28 Smart version 3.3.5 – RFID Smart cards (not mag strip)

        3. Hilton Garden Inn Cards – Saflok & PEP (effective June 2024)

    d. ParkMobile for parking reservations

    e. YMCA – The existing system is a Genetec for Access Controls, and CRM is Reclique Core that has API access on Amazon Web Services (AWS)

2. The PARCS shall be integrated with these third-party systems listed above. Vendors to provide examples on how their systems have been integrated with the systems mentioned above. Vendors shall provide an API that supports report generation for the users under each integration.

3. The Contractor shall identify in the cost table all upfront API fees, and all recurring/annual API fees for each third-party integration.

4. All third-party integrations shall be cloud-based, and no on-premises servers are permitted to be installed by the Contractor for these integrations.

5. The contractor shall provide detailed information on how they will integrate with all the vendors/hotels/organizations mentioned in this section at the time of the proposal as detailed in the submittal requirements. The contractor shall provide this information in Section C.5 in their proposal.

B. System Architecture

1. Cloud-based system shall be provided and maintained by the Contractor. Vendors can also propose optional costs for on-site servers.

2. PARCS lane components shall operate in a stand-alone condition (without cloud connectivity) for a minimum of two (2) consecutive days without loss of transaction data.

3. Equipment shall be made of IP based equipment. Equipment that has serial connections shall be listed and identified in the proposal. The contractor shall provide this information in Section C.2 and C.3 in their proposal.

4. System Performance to be Achieved:

    a. The PARCS shall operate 24 hours per day, seven (7) days per week. A failure shall be defined as any malfunction that causes the loss of functionality according to the specifications. A system failure is considered a failure where loss of more than one (1) function occurs. System failures shall not result in unplanned system downtime more than 0.02% (105 minutes of downtime per year) of the time.

    b. Concerning revenue activity, the system shall meet the accuracy as defined below:

        - fee calculation accuracy – 100.0%
        - transaction counts – 100.0%
        - exception counts – 100.0%
        - protocol sequence counts – 100.0%
        - revenue – 100.0%
        - calculations – 100.0%

5. System Level Reliability, Redundancy, and Maintenance:

    a. All equipment provided under this procurement shall meet maintainability requirements as follows:

        (1) Provide for easy removal and replacement of component parts. Where fault tolerance is provided, hot swap out shall be supported.

        (2) Design equipment for easy access, minimizing the removal of other items to gain access to a specific part.

        (3) Reduce or minimize the requirement for special tools and test equipment.

        (4) All devices shall have electrical surge protection.

    b. The Vendor shall have built into the system structured exception handling so that the system responds predictably to error conditions, without lock-up or “crashing.”

    c. Upon system acceptance, the Owner or Owner’s Representative shall maintain the system to eliminate faults or to keep the hardware or software in satisfactorily working condition, including applicable tests, replacement, adjustments, and repairs. The Vendor shall notify the Owner of all test equipment necessary to support the PARCS.

6. System Hardware:

a. Network Hardware

(1) Network hardware shall be in compliance with CCDC requirements for compatibility with existing systems.

(2) Network switches located in non-conditioned environments (such as a NEMA cabinet) shall meet industrial standards for temperature, humidity, shock, and vibration.

C. All computing resources, application, information management, and information distribution design and configuration are subject to the approval of the Owner or Owner's Representative.

D. Each field device shall be assigned a unique identifier within the PARCS that is not shared with any other field device. Should the field device need to be replaced, the replacement field device would assume the old device's unique identifier. Contractor shall coordinate with the Owner or Owner's Representative to develop the naming convention for the field devices.

E. The PARCS configuration shall provide lane autonomy such that no single point of failure of a device shall cause an operational failure of surrounding lanes. Equipment at a single lane may fail causing a shutdown of a lane; however, the failure shall not affect other lanes.

F. Credit Card Processing Subsystem

1. Elavon is the current merchant of record for the PARCS equipment.

2. The Vendor shall provide a minimum of two different credit card processing and gateway subsystems which the Vendor is capable of integrating with. The Vendor shall provide a breakdown of the credit card gateway fees for each provider.
   a. As part of their Proposal, the Contractor shall submit an example pricing structure for any related credit card, chip card, or contactless fees that will be incurred. The pricing structure should be from a similar deployment. This should be included in the cost form provided.

3. The PARCS shall accept major credit card types (i.e., credit debit and prepaid) and the following card brands – American Express, Discover, MasterCard, and Visa for payment. For all approved bankcard authorization requests, the PARCS shall provide a credit card transaction receipt if requested by the user.

4. The PARCS shall provide online real-time authorization for credit card payments made at PARCS point-of-sale devices.

5. The following types of credit cards/devices shall be accepted at all point-of-sale devices for parking access and payment:

   a. Magnetic-stripe credit cards

   b. EMV Chip credit cards with P2PE

   c. Contactless Chip credit cards

   d. Mobile Payment with ApplePay and Google Wallet

   e. Mobile Application for Payment or QR code payment with QR

code embedded in parking tickets.

6. The Contractor's credit card interface shall utilize a P2PE certified encryption solution that encrypts credit card transactions at the point-of-sale and shall remain encrypted for communication to the offsite clearinghouse.
7. The point-of-sale terminal shall be integrated with the central PARCS to provide a tokenized version of the credit card number for transactional data continuity.
8. Contractor-provided aspects of the credit card processing subsystem shall be PCI-compliant, such that no Contractor-provided product or solution will prevent the Owner or Owner's Representative from achieving PCI Compliance in its parking operation. The Contractor shall provide a solution that reduces the scope of the Owner or Owner's Representative with regards to PCI compliance assessments of the network infrastructure.
9. Contractor's proposed PARCS shall conform to PCI -DSS Version 4.0, or most current version, and the PARCS application shall be PA-DSS certified and PIN Transaction Security (PTS) for PIN transaction devices according to the most recent PCI standards as of the Contract Award date.
10. Credit card authorizations shall use the existing internet connection.
11. As part of their Proposal, the Contractor shall submit a flowchart diagram and detailed summary of the credit card processing subsystem architecture and the process for credit card transaction approvals. The contractor shall provide this information in Section C.6 in their proposal.

G. Unattended Entry Terminals

1. The Contractor shall provide unattended entry terminals (with Umojo intercom hardware or other preferred vendors as detailed on the intercom section).
2. CCDC preference is to have an entry station with the least amount of mechanical parts for ticket production.
3. Each Entry terminal shall consist of the following components and capabilities:
   a. Meets ADA requirements and standards
   b. Access door with appropriate tamper-resistant locking system (all entry terminals keyed alike, and unique to this installation)
   c. Issues one credit card-sized, QR code/barcode parking ticket for each entry transaction
   d. Push-button intercom integrated into the face of the Entry terminal. The intercom shall be compatible with Parker Intercoms.
   e. Vendor shall provide pinhole camera at each entry terminal.
   f. Active color matrix message screen that is easily readable in all ambient lighting conditions.
   g. Utilize visual instructions for users to understand the sequence of

events to complete a transaction.

h. Issues audio voice instructions to compliment the visual instructions.

i. Push-button or touch screen ticket issue, with a preference to touch screens.

j. Illuminated ticket slot.

k. Retractable ticket mechanism.

l. Uniquely encoded parking tickets printed for each specific parking area.

m. Unique machine identification number

n. Stand-alone capabilities for each Entry terminal in the event that network communication is lost, and regardless of where on the network the communication interruption occurs. Specifically, each Entry terminal shall provide offline transaction storage capacity for all transactional information for a minimum of two (2) consecutive days. The lane shall automatically close in the event that the minimum transaction threshold is reached and shall remain closed until reestablishment of communications. Entry terminal shall automatically upload all transaction information once communication is restored.

o. Bar code / QR code reader to read either paper or electronic (smartphone) bar code and QR code.

p. Ticket Stock Low alarm generated in PARCS software

q. Ticket Stock Out alarm generated in PARCS software

r. Optional Proximity Card Reader with a minimum read range of forty-eight (48) inches integrated into the face of the Entry terminal

4. As part of their Proposal, the Contractor shall submit product data of proposed Entry terminals. The contractor shall provide this information in Section C.13 in their proposal.

H. Unattended Exit terminals

1. The Contractor shall provide Unattended Exit terminals (with Umojo intercom hardware or any of the preferred intercoms detailed in the intercom section).
2. CCDC preference is to not have mechanical parts to retrieve tickets and for vendors to propose QR code readers.
3. Each Unattended Exit terminal shall be equipped with the following components and capabilities:

a. Meet ADA requirements and standards

b. Access door with appropriate tamper-resistant locking system (each Unattended Exit terminal keyed alike, and unique to this installation)

c. Vendor to propose option for exit terminal to scan QR code / Barcode of tickets instead of retracting ticket and keeping it.

d. The exit terminal ticket slot or separate EMV reader shall read the standard EMV chip for Visa, Mastercard, American Express and Discover.

e. The EMV reader at an exit terminal shall not have an integrated 10-key PIN pad but shall be designed for easy future integration with a PIN pad in the future if needed.

f. Push-button intercom integrated into the face of the Exit terminal.

g. Vendor shall provide pinhole cameras at each exit terminal.

h. Active color matrix message screen that is easily readable in all ambient lighting conditions.

i. Utilize visual instructions for users to understand the sequence of events to complete a transaction

j. Issues audio voice instructions to compliment the visual instructions

k. Bar code / QR code reader to read paper and electronic (smartphone) bar code and QR code.

l. Customers shall be given the option for a single receipt for all transactions (no auto-issued receipts). Receipt shall include:

    (1) ParkBOI logo, phone number, and email

    (2) Receipt #/Transaction #

    (3) Time, date, and lane in/out

    (4) Length of stay

    (5) Parking fee

    (6) Total amount

    (7) Method of payment

    (8) Amount paid

m. The Owner or Owner's Representative shall have the option to change receipts for credit card transactions to be auto issue or by request. The configurable timeout function for receipt request shall be initially set for twenty (20) seconds or until the next ticket is inserted or scanned.

n. Receipt Stock Low alarm generated on software

o. Receipt Stock Out alarm generated on software

p. Active color matrix display, minimum size six (6) inches measured diagonally, shall be readable in all lighting conditions

q. Utilize visual instructions for users to understand the sequence of events to complete a transaction

r. Issues audio voice instructions to compliment the visual instructions.

s. Cancel button that allows a user to cancel a transaction once a

parking ticket has been scanned. Upon activation of the cancel button, the parking ticket shall be returned to the user.

t. Stand-alone capabilities for each Unattended Exit terminal in the event that network communication is lost, and regardless of where on the network the communication interruption occurs. Specifically, each Unattended Exit terminal shall provide offline transaction storage capacity for all transactional information, including encrypted credit card data, for a minimum two (2) consecutive days. The lane shall automatically close in the event that the minimum transaction threshold is reached and shall remain closed until reestablishment of communications. Unattended Exit terminal shall automatically upload all transaction information once communications are restored.

(1) In the event that the device's offline storage capacity is filled, and the device needs to shut down, all stored credit card information shall be permanently stored and accessible once the device comes back online.

(2) Devices shall be able to store and forward data for offline transactions so devices can be used if the system is offline.

u. Contactless reader that allows payments with ApplePay and Google Wallet.

(1) Payments with ApplePay and Google Wallet shall only require one (1) tap for devices and connect to their system so when it shows on the device that the payment has been processed, it has also been processed in the station.

v. Optional Proximity Card Reader with a minimum read range of forty-eight (48) inches integrated into the face of the Exit terminal

2. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

I. Mobile Cashier

1. Provide a system to allow a cashier to accept cash or credit card payments as long as they have connectivity to the internet within the facility.

2. Mobile cashier shall allow payments at entry or exit as needed by the operator.

3. Vendor to provide up to six (6) mobile cashiers.

4. System shall be integrated with PARCS such that if a ticket is provided for entry, the ticket should work at the exit stations.

5. System shall track and audit transactions and provide detailed reports.

6. Vendors to provide datasheets for mobile cashier solution.

7. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

J. Entry and Exit Lane Vehicle Detection Device

1. Saw cut or embedded loops shall be used for entry and exit lane vehicle detection.
2. Contractor shall replace all existing loops and loop detectors.
3. Contractor shall integrate signs located at the entry of every garage with the updated counts for the facility.
4. Entry Lane Vehicle Detection: Entry lane vehicle detectors shall detect vehicular presence, legal entry, illegal entry, and back-out.
5. Exit Lane Vehicle Detection: Exit lane vehicle detectors shall detect vehicular presence, legal exit, illegal exit, and back-out.
6. Each detector shall continuously retune itself to its loop frequency during non-detect periods to prevent the detector from generating a false detect output due to frequency variances caused by environmental effects or other factors. Analog type detectors requiring periodic manual tuning or any type of detectors that do not retune unless a manual function is performed shall be unacceptable.
7. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

K. Barrier Gates

1. The Contractor shall provide Straight Gate Arms and/or Articulated Gate Arms for entries and exits.
2. All barrier gates referenced in these Functional Specifications shall contain the following:
    a. Direct drive mechanism
    b. Aluminum gate with padded arm (articulating gate arm as appropriate)
    c. Non-resettable, mechanical gate action counter mounted in the barrier gate housing or provided in software
    d. LED lights on the gate arm
    e. Breakaway mechanism that allows a gate arm to be broken off and re-attached
    f. Breakaway alarm notification to the central system
3. Gate arm lengths shall be variable based on the installation location.
4. Barrier gates shall have sufficient power/resistance to ensure they cannot manually be forced open.
5. In case of a power failure, the Owner should be able to configure position of barrier gates so the lanes would operate according to the Owner’s procedures.
6. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

L. LPR System

1. A LPR system shall be installed at the CCDC facilities as part of the PARCS replacement project in all public entry and exit lanes.
2. No impediment to the spontaneous and immediate access and retrieval of any LPR data shall result from use of the database(s) or any other system architecture, hardware, or software.
3. Contractor shall provide information on how long LPR data is stored.
4. The LPR Subsystem shall consist of all hardware and software necessary to provide a complete and functional LPR subsystem that achieves the Owner or Owner's Representative's required functionality and accuracy percentages, and that does not adversely affect any function of the PARCS.
5. The Contractor shall be responsible for providing a LPR subsystem that is fully interfaced and integrated into the PARCS. This integration shall include linking the LPN captured at entry to the unique ticket identification (or other entry credential information) for every transaction. Should the entry information need to be obtained at an exit station to process the transaction (i.e. lost ticket, unreadable, etc.), both the LPN and ticket shall be removed from their respective active (open transaction) inventories once the vehicle has exited.
6. The LPR database shall be used to conduct automated searches and queries for special circumstances, such as outstanding balances, unresolved incidences, and prior entries with no exits, Gray/Black List, and police requests.
7. LPR images shall be maintained in the active database for a 12-month duration, at a minimum.
8. The LPR system shall keep a "Gray List" of exception transactions based upon vehicle LPN information. Exception transactions shall include insufficient fund transactions, lost ticket transactions, swapped media transactions and passback violation transactions. This Gray List shall reside on the PARCS server system's database. As an exception transaction is processed, the LPN and corresponding transaction information shall be recorded as part of the Gray List record.
9. When a patron enters the parking facility using another credential, the LPR system shall automatically capture the license plate (LPN) data and update the patron's record with the appropriate license plate information. This will allow the use of the patron's LPN on future transactions.
10. The LPR system shall connect to the command center used by the operator as well as provide web based access to owner designated accounts.
11. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

M. LPR Cameras

1. The Contractor shall furnish and install image capture cameras including any lights or shade canopies necessary at all public entry and exit lanes to provide system functionality.

2. Devices shall be placed in theft deterrent and vandalism resistant housings that meet applicable code requirements for outdoor equipment.
3. The Contractor shall determine the exact location of each device and utilize existing conduit and mounting infrastructure where possible.
4. All entry images shall be pre-capture, meaning that the cameras are placed in such a position that a vehicle's LPN is photographed before the entry credential issuance to the patron or accepted by the system. In locations where the existing configuration does not allow a rear facing camera, a front facing LPR camera shall be installed to capture the vehicle's front license plate. Contractor shall perform a site visit to determine the most efficient and effective method of installing LPR at all locations.
5. All exit images are to be pre-capture, meaning that the cameras are placed such that a vehicle's LPN is photographed before the patron presents their parking credential at the exit.
6. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

N. Proximity Card Access System
1. The Contractor shall provide optional costs for an optional card access system that shall provide the following features and capabilities at all entries and exit lanes.
   a. The card readers in the public entry and exit lanes shall read proximity cards from a minimum distance of forty-eight (48) inches.
   b. The Contractor shall provide the Owner or Owner's Representative with the appropriate tools to program and/or encode proximity cards.
   c. System shall have anti-passback capabilities that can be turned on or off at the Owner or Owner's Representative's discretion.
   d. The system shall report the occupancy of proximity card users in each facility, in real-time.
   e. All user group parameters and rules shall be accessible and changeable by the Owner or Owner's Representative via a Graphical User Interface (GUI) accessible on any of the PARCS workstations provided with the system. Software code changes shall not be required to edit user group parameters and rules.
   f. User groups and individuals within the user groups shall each assign access privileges based upon facility, date, day of week, time of day, or any combination thereof. It shall also be possible to modify user groups or individual accounts to be exempt from anti-passback rules.
2. As part of their Proposal, the Contractor shall submit product data for proposed Proximity Card Readers.
3. User Groups shall allow the owner to provide at a minimum the following groups:
   a. 24/7/365 parker access
   b. Standard Monthly Pass
   c. Resident Pass
   d. BikeBOI Pass – a separate bike-only facility.

e. PM Employee Parker Pass
f. Carpool Pass (only one pass allowed in the garage at a time)
g. Hybrid (Soft Pool) Pass – similar to carpool, multiple employees share a fixed number of passes. When used concurrently, system charges hourly rate for any overage.
h. Pay-As-You-Go Pass (i.e. for infrequent visitors who are not able to use paper ticket system) – uses standard hourly rate for billing purposes.
i. Weekend Only Pass – charges hourly rate for any weekday access
j. 3-Days-Per-Week Pass – charges hourly rate for any overage

4. Vendors to propose sample reports available in their systems as required in the submittals section.
5. All of the above pass types shall also include an easy-to-use invoicing procedure for misuse and/or abuse documented within the PARCS system.
6. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

O. AVI Readers and Transponders/Hangtags (Optional if LPR option is not selected by the Owner)

1. The Contractor shall provide costs for an AVI system that shall provide the following features and capabilities at all entries and exits lanes.
2. Vendor to provide a UHF RFID system.
3. Vendor to provide RFID system that is configurable to not allow vehicles in other lanes to be picked up by the system.
4. The readers in the public entry and exit lanes shall read proximity cards from a minimum distance of ten (10) feet from the gate.
5. The Contractor shall provide the Owner or Owner's Representative with the appropriate tools to program and/or encode the proposed credential. Vendor to provide costs for up to 3,000 credentials to be used with the AVI system.
    a. A system with transponders, stickers or hangtags can be provided by the vendor along with costs for each type of credential.
6. System shall have anti-passback capabilities that can be turned on or off at the Owner or Owner's Representative's discretion.
7. The system shall report the occupancy of AVI users in each facility, in real-time.
8. All user group parameters and rules shall be accessible and changeable by the Owner or Owner's Representative via a Graphical User Interface (GUI) accessible on any of the PARCS workstations provided with the system. Software code changes shall not be required to edit user group parameters and rules.

9. User groups and individuals within the user groups shall each assign access privileges based upon facility, date, day of week, time of day, or any combination thereof. It shall also be possible to modify user groups or individual accounts to be exempt from anti-passback rules.

10. As part of their Proposal, the Contractor shall submit product data for proposed AVI Readers.

11. User Groups shall allow the owner to provide at a minimum the following groups:
    a. 24/7/365 parker access
    b. Standard Monthly Pass
    c. Resident Pass
    d. BikeBOI Pass – a separate bike-only facility.
    e. PM Employee Parker Pass
    f. Carpool Pass (only one pass allowed in the garage at a time)
    g. Hybrid (Soft Pool) Pass – similar to carpool, multiple employees share a fixed number of passes. When used concurrently, system charges hourly rate for any overage.
    h. Pay-As-You-Go Pass (i.e. for infrequent visitors who are not able to use paper ticket system) – uses standard hourly rate for billing purposes.
    i. Weekend Only Pass – charges hourly rate for any weekday access
    j. 3-Days-Per-Week Pass – charges hourly rate for any overage
12. All of the above pass types shall also include an easy-to-use invoicing procedure for misuse and/or abuse documented within the PARCS system.
13. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

P. Intercom System

1. The Contractor shall provide entry and exit terminals, and POFs that are compatible with the command center from the current operator. Intercoms that are integrated include:
    a. Umojo VC100-300 intercoms (Existing system)
    b. Command H- Series
    c. Stentofon TKIS-2s
2. The intercom system shall feature audio induction hearing loops that supports improved audio transmission for hearing aids.
3. Intercom system shall have the capability to be bi-directional and allow both the user at the device or the operator to initiate communications.
4. The intercom system shall feature Intercoms compatible pinhole cameras, speakers, and microphones.
5. In the event that the arming loops are triggered for a configurable amount of time with no transaction being initiated, the intercom station in the lane shall automatically place an intercom call.

6. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

Q. Validation System

1. The PARCS shall create, process, and track multiple forms of fee discounts and validations electronically in the system. Discounts and fee modifications can be related to: Americans with Disabilities Act (ADA), Disabled Veterans, or Owner created discounts.
2. PARCS shall have capabilities for CCDC to extend grace periods validations for times when events are in place that might cause traffic to not allow users to leave the facilities in the allotted time.
3. The Contractor shall provide a web-based validation system whereby the Owner or Owner's Representative may discount a user's parking fee electronically applied to the ticket or utilizing on-line validating machines where the user's mobile phone is redirected to a validation website and the ticket code could be input into the website to apply validation. QR or bar code validations should be able to be read when printed on standard printer paper or displayed on a mobile device screen and printed text on the validations should be configurable. Each entity shall be able to manage their own account from a website and be invoiced on a recurring basis.
4. Validations shall be made for fee modifications or discounts expressed in specific dollar amounts per transaction or per time period (e.g., $5.00 off total fee or $5 off per day), specific durations of time (e.g., two hours free, one or more days free, etc.), for the entire parking fee, or a fee calculated at a reduced or alternate rate structure for an individual ticket. Contractor shall provide a method of tracking validations issued by user with a comment field to be completed upon entering the validation.
5. Vendor to provide stackable validations in case they visit several vendors that might provide validations.
6. The Owner or Owner's Representative shall create validations via an online platform connected to the browser-based PARCS and protected by username and password. Validation Stations shall allow multiple entities to create and disperse validations. Each entity shall be able to load a balance onto their validation account, set automatic balance recharges, create validation types by pre-determined dollar amounts, and obtain real-time reporting of validation activity. Each entity shall be able to manage their own account from a website and be invoiced on a recurring basis.
7. Only users with appropriate authorization shall issue validations and the PARCS shall track all validations for auditing purposes by user, validation date, validation type, and validation amount.
8. The Contractor shall submit a cut sheet of the proposed Validation System portal as part of their Proposal. The contractor shall provide this information in Section C.13 in their proposal.

R. Cash and Credit Card Automated Pay Stations (Pay on Foot)

1. A total of six (6) Cash and credit card Automated Pay Stations shall be installed, based on the following quantities:
    a. One (1) at 9th and Main Garage
    b. One (1) at 9th and Front Garage
    c. One (1) at 10th and Front Garage
    d. One (1) at 11th and Front Garage
    e. One (1) at Capitol and Main Garage
    f. One (1) at Capitol and Myrtle Garage
2. Contractor shall provide Automated Pay Stations (APS) devices that are integrated into the PARCS. Actual deployment locations will be designated by the Owner or Owner's Representative.
3. APS Requirements
    a. Credit Card and Cash APS features - All APS devices shall provide the following features and functionalities:
        (1) ADA requirements and standards
        (2) Access door with appropriate locking system
        (3) Intercom equipped with camera that is integrated with Intercom system
        (4) Visual instructions for users to understand the sequence of events to complete a transaction
        (5) Cancel button that allows a user to cancel a transaction once a parking ticket has been presented.
        (6) Colors for the pay stations, all text, and graphics shall be configurable and approved by the Owner prior to manufacturing
        (7) Intercom camera to activate upon activation of intercom or at the start of each entry transaction, regardless of the type of credential presented
        (8) Reading credit cards (EMV chip embedded cards) and magnetic striped credit cards
        (9) Accept Near Field Communication (NFC) payments with contactless cards, ApplePay and GooglePay
        (10) Readers to read paper and electronic (smartphone) bar code and QR code
        (11) Operate offline when network connectivity is interrupted
        (12) In the event that the device's offline storage capacity is filled, and the device needs to shut down, all stored credit card information shall be permanently stored and accessible once the device is powered on. Devices shall be able to store and forward data for offline transactions so devices can be used if the system is offline.
        (13) The grace time (the number of minutes between the time a ticket is paid and the time a driver exits with vehicle through exit lane) shall be parameter driven and with modification by the Owner or Owner's Representative. The APS grace time shall be configurable for each parking facility

(14) Log when a cabinet has been opened or closed; date and time recorded in real-time on the Event Log
(15) Receipt generation
(16) Separate cash vaults with its own security for cash and credit POF. Additional cash vaults shall be provided so that a full vault can be quickly replaced with an empty vault.
(17) Lost ticket fee must be able to be applied and/or calculated and paid should a parking garage customer lose/misplace/destroy or otherwise be unable to produce the ticket dispensed upon entry to the parking garage.

4. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

S. Credit Card Only Automated Pay Stations (Pay on Foot)

1. A total of eight (8) credit card Automated Pay Stations shall be installed, based on the following quantities:
   a. Two (2) at 9th and Main Garage
   b. Two (2) at 9th and Front Garage
   c. One (1) at 10th and Front Garage
   d. One (1) at 11th and Front Garage
   e. Three (3) at Capitol and Main Garage
   f. One (1) at Capitol and Myrtle Garage
2. Contractor shall provide Automated Pay Stations (APS) devices that are integrated into the PARCS. Actual deployment locations will be designated by the Owner or Owner's Representative.
3. APS Requirements
   a. Credit Card only APS features - All APS devices shall provide the following features and functionalities:
      (18) ADA requirements and standards
      (19) Access door with appropriate locking system
      (20) Intercom equipped with camera that is integrated with Intercom system
      (21) Visual instructions for users to understand the sequence of events to complete a transaction
      (22) Cancel button that allows a user to cancel a transaction once a parking ticket has been presented.
      (23) Colors for the pay stations, all text, and graphics shall be configurable and approved by the Owner prior to manufacturing
      (24) Intercom camera to activate upon activation of intercom or at the start of each entry transaction, regardless of the type of credential presented
      (25) Reading credit cards (EMV chip embedded cards) and magnetic striped credit cards
      (26) Accept NFC payments with contactless cards, ApplePay and GooglePay
      (27) Readers to read either paper or electronic (smartphone) bar code and QR code
      (28) Operate offline when network connectivity is interrupted
      (29) In the event that the device's offline storage capacity is

filled, and the device needs to shut down, all stored credit card information shall be permanently stored and accessible once the device is powered on. Devices shall be able to store and forward data for offline transactions so devices can be used if the system is offline.

(30) The grace time (the number of minutes between the time a ticket is paid and the time a driver exits with vehicle through exit lane) shall be parameter driven and with modification by the Owner or Owner's Representative. The APS grace time shall be configurable for each parking facility.

(31) Ability for the command center to extend grace time period when an event occurs that causes traffic to not allow vehicles to exit within the grace period.

(32) Log when a cabinet has been opened or closed; date and time recorded in real-time on the Event Log

(33) Receipt generation

4. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

T. Lane Open/Closed Signs

1. Vendor shall provide Open/Closed signs for the reversible lane at 9th & Front.

2. Lane Open/Closed Signs shall be LED type with the word "OPEN" in green letters and the word "CLOSED" in red letters. An acceptable alternative is for the sign to display an arrow in green lights signifying the lane is open and an "X" in red lights signifying the lane is closed. Details for additional text or graphics shall be discussed with and approved by the Owner or Owner's Representative. Lane Open/Closed Sign shall be easily readable in all ambient lighting conditions from a distance of 200 feet and a minimum viewing angle of 120 degrees.

3. The message displayed by the Lane Open/Closed Sign shall be controlled automatically by the Entry/Unattended Exit terminal. When the entry terminal is in operation, the Lane Open/Closed Sign shall automatically be set to "OPEN." When the Entry/Unattended Exit terminal is out of operation the Lane Open/Closed Sign shall be automatically set to "CLOSED." When the Entry/Unattended Exit terminal is set into a maintenance mode, the Lane Open/Closed Sign shall automatically be set to "CLOSED."

4. For the public entry lanes, the sign matrix size shall be proposed by the Contractor to fit within the geometric circumstances of each location. Minimum character height shall be 12".

5. As part of their Proposal, the Contractor shall submit product data of the proposed Lane Open/Closed Signs. The contractor shall provide this information in Section C.13 in their proposal.

U. Bollards

1. All existing bollards located around PARCS equipment that may conflict with proposed equipment shall be replaced with new bollards. If an existing bollard meets the requirements and is in the proper location, the Contractor may elect to keep the existing bollard in-place. All new and reused bollards shall feature yellow powedercoat and a 4” wide band of white 3M reflective tape installed 2” below the top of the bollard.
2. Contractor shall install bollards to provide protection for proposed PARCS equipment. The contractor shall provide this information in Section C.13 in their proposal.

V. CARMA Integration

1. The Proposer shall provide integrations with the CARMA permit provided by Parking Base management system used by the current operator to manage monthly passes.
2. Selected vendor with no current integration with the CARMA system shall sign an NDA to integrate with the API.
3. The Proposer shall have a documented, open API with the following capabilities:
    a. Monthly Permit Management.
        (1) Real-Time Access Card Credential Management (activate, deactivate)
        (2) Passback Management (Enable, Disable, Loose)
        (3) Hybrid Permit Management (ability to control max daily usage, and capture overages in areas by day; i.e., this is the Commercial Permit in Parking Base, wherein we would bill the client for any usage beyond the Qty allowed)
    b. Transient:
        (1) Transient Revenue Uploads
        (2) Transient Activity, Occupancy
    c. Validations:
        (1) Allow customers to purchase and use validation coupons

W. Hotel/YMCA Integrations

1. The Proposer shall provide costs for a middleware solution that integrates with a minimum of three (3) different hotel property management systems at their existing locations and the YMCA
    a. Hotel 43 at the 10th and Front Garage
    b. Hilton Garden Inn at the 11th and Front Garage
    c. Hampton Inn at the Capitol and Myrtle Garage
    d. YMCA (for a future garage near 10th and Jefferson)
2. The PARCS shall generate the required transactional data for ensuring guest room billing is provided for deck services.
3. The middleware solutions should provide similar levels of reporting to the PARCS equipment, either through the PARCS software or through the middleware company including report scheduling.
4. All lanes shall feature readers on the Entry and Exit terminals that are capable of reading RFID or other types of room keys.

5. The Entry and Exit terminals shall feature readers that are compatible with the hotel mobile phone applications/digital keys to allow hotel guests to use their mobile phone/digital key to access the parking facilities.

6. The system shall allow parkers who have checked in on the internet or through their hotel mobile application beforehand to allow them to use their mobile phone/digital key to access the parking deck.

7. The PARCS equipment will calculate a rate for overstays outside the hotel checkout time and charge the customer the difference in the lane.

8. The Proposer shall automate the billing process between the hotel and ParkBOI so when a guest selects the parking option for their stay and the guest parks in the garage, the hotel shall be automatically invoiced for the appropriate amount of parking.

9. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

X. Optional ParkMobile Reservation Integration or Reservation System

1. Contractor to provide costs for an optional integration with ParkMobile for a reservation platform for parking for special events or for ticket takeover.
2. Adapt the PARCS to recognize ParkMobile reservations for automated entry and exit. This may involve QR codes or mobile passes.
3. Vendor to ensure compatibility with regular updates in both the PARCS and ParkMobile system to avoid system disruptions.
4. As an alternative, the vendor can propose additional reservation systems for special events as well as handheld devices.
5. Reservation system shall provide users with options to pay at events configured by the Owner with hour rules according to the special events procedures.
6. All reservations should use QR code systems.
7. Reservation system shall allow the use of all major credit card payments.
8. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

Y. Valet Integration

1. Vendor to provide integration with current valet operator Oobeo or provide alternative valet technology for the current valet users. Vendor to propose system for valet drivers to track and control users.
2. As part of their Proposal, the Contractor shall submit product data of the proposed system. The contractor shall provide this information in Section C.13 in their proposal.

Z. Uninterruptible Power Supplies

1. Conditioned/emergency power through the TCP/IP-enabled UPS units shall be provided for the following components and facilities to protect components from loss of power, power spikes, and power sags:
   a. Entry lanes
   b. Unattended Exit lanes
2. UPS battery back-up for all plazas shall be sized to last ten (10) minutes.

3. A single UPS unit, appropriately sized, shall support all devices at an individual entry lane or exit lane.
4. All UPS units shall be SNMP compatible to allow automated notification when battery power is activated or the battery levels become critically low. On-line communication using an appropriate UPS monitoring software application shall be provided on one or more workstations with user selectable options to view the status of each individual installed UPS unit. At a minimum, the monitoring software shall display the operational status of each UPS unit (line/battery, online/offline) and generate alarms in the event the UPS unit's battery power is activated, becomes low or is completely exhausted.
5. As part of their Proposal, the Contractor shall submit specification sheets of all proposed UPS devices and UPS monitoring software. Included in the UPS product data shall be the manufacturer's recommended battery refresh cycle. The contractor shall provide this information in Section C.13 in their proposal.

2.05 USER PROCESSING PROCEDURES

A. Visitor Reserved Parking Procedures (using ParkMobile)

1. The following shall take place for all entry events:

a. All vehicles without a valid parking permit will be considered visitors, regardless of the circumstances they are parking under. If they are a visitor, they shall have the option to reserve a parking spot and pay using the ParkMobile App. There shall be no reservations allowed outside of events.

b. Using the ParkMobile App, the user will be able to view which of the parking garages currently has available reserved parking spaces and then be able to reserve parking and pay using the app. There shall be no reservations outside of events.

c. Once parking has been reserved, the App will generate a QR code.

d. Upon arrival to the garage, the user will be able to scan the QR code generated by the App.

B. Visitor Non-reserved Parking Procedures

1. The following shall take place for all entry events:
   a. When the entry lane arming loops are not activated, the Entry Column device screen shall display the date and time.
   b. When the vehicle activates the arming loops, the message on the Entry Station's display shall read, and an audible voice shall sound with a predetermined message designated by the Owner such as "Welcome to ParkBOI, Please Press Button for Ticket, or scan your credential"
   c. The arming loop will activate the LPR cameras to capture the LPN of the vehicle.
   d. If the LPN has been pre-registered with the PARCS and has a reservation or a monthly pass, the PARCS will open a parking transaction and automatically open the gate.

e. If the LPN has not been pre-registered, the patron will extract the ticket or present a bar or QR code, or use their credential, and the barrier gate will be opened. Only a single-entry event shall be permitted for each arming event, e.g., if the ticket issue button is pressed, no other entry type shall be permitted.

f. Upon clearing the barrier gate's closing detector, the barrier gate arm shall lower to the closed position, the PARCS shall associate the LPN with the entry transaction and the ticket number or credential used and reset the lane for a subsequent transaction.

g. The entry event shall be validated and the associated data with the entry event shall be stored.

2. Normal Entry with Ticket

a. Once the vehicle has activated the arming loop, the LPR camera(s) shall capture the LPN of the vehicle.

b. When a patron presses the ticket issue button, no other entry method is allowed at that point and the Entry Station shall issue a uniquely numbered parking ticket while an audible signal shall sound. The Entry Station shall dispense QR code imprinted parking ticket and print on the ticket the year, month, date, entry time (hour/minute/second), facility code, lane number, entry sequence number, unique transaction number, and unique machine number. Abbreviations are acceptable; time stamps shall be in 24-hour, military time.

c. The LPN captured by the LPR camera(s) shall be encoded on the paper ticket.

d. When the printed/encoded ticket is extracted from the Entry Station, the audible signal shall cease, and the display shall read, and an audible voice shall sound and say, "thank you." The barrier gate shall rise to the open position, allowing the vehicle to enter the parking facility.

3. Back out at Entry

a. If a user pushes the ticket issue button and backs out of the lane without retrieving the ticket the barrier gate shall remain closed and the ticket shall be retracted and retained in the Entry terminal. The ticket shall be invalidated by the entry terminal and within the system to prevent future use. The back out entry event shall be stored in the system and the lane shall reset for a subsequent transaction.

4. Stolen Ticket at Entry

a. If a user pushes the ticket issue button, retrieves the ticket, and then the vehicle backs out of the lane the barrier gate shall automatically return to the closed position (no timed delay to lower the barrier gate arm to the closed position shall be acceptable), the ticket shall be invalidated within the system, and an alarm shall be generated. The stolen ticket entry event shall be stored in the system. The ticket shall be electronically invalidated and shall not be allowed to be processed at any exit.

5. Proximity Card Entry/AVI Entry (Depending on optional credential decided by Owner)

    a. If user presents a proximity card or AVI, the audible signal shall cease, and the display shall read, and an audible voice shall sound with a specified prompt discussed between the Contractor and Owner. The barrier gate shall rise to the open position, allowing the vehicle to enter the parking facility.

C. Unattended Exit Lane/ Pay in Lane Procedures

1. The following shall take place for all normal exit transactions when an exit terminal is operating as an Unattended Exit Lane:
    a. When the Exit Lane arming loops are not activated, the patron's display screen in the Exit Station shall display the ParkBOI logo, date, and time for a period of no longer than ten (10) minutes and then shall blank the screen to be activated when the next vehicle crosses the arming loop.
    b. After activating the arming loops, the LPR cameras shall capture the LPN of the vehicle. If the LPN has been used as a credential and the valid entry transaction has been identified, the PARCS shall use the LPN to close the parking transaction, charge the patron's account, and open the gate allowing throughput.
    c. If the patron entered by extracting a parking ticket, the following occurs. After activating the arming loops, the display reads, and an audible voice sounds, "Insert Ticket, or present validation". If a patron used a monthly credential, the LPR shall identify the user and automatically vend the gates. If the LPR does not identify the user or the license plate is not read correctly, the system shall request the secondary credential. If there is a mismatch of license plates, the system shall automatically alert the operator that a different vehicle from entry is trying to use a credential to exit.
    d. After the appropriate entry credential is presented, the message "Processing, Please Wait" is displayed. Once positive verification of data occurs, the display shows the fee due. The display reads, and an audible voice sounds, "Please Insert or Present Credit Card for Payment".
    e. The patron inserts or presents a credit card.
    f. During credit card authorization, the display shows the message "Processing, Please Wait." During cash transaction, system calculates fee correctly.
    g. Once payment is obtained the display reads, and an audible voice sounds, "Please Take Credit Card".
    h. Card is removed, the station gives the option to print the patron receipt, if selected the display reads, and an audible voice sounds, "Please Take Receipt", and the station produces an audible "beep". Shall also provide receipt option for cash transactions.
    i. Receipt is taken, audible "beep" ceases, the display reads, and an audible voice sounds, "Thank you from the staff of ParkBOI", and the barrier gate rises.
    j. Vehicle crosses the closing loop, the barrier gate closes, and the lane resets for the next transaction.

k. The ticket is moved from active ticket inventory to inactive ticket inventory.

2. Transaction specific procedures are required in addition to or in place of those listed above. The transaction specific exit procedures and procedures for abnormal or unique events are detailed below.

b. Exit – Ticketed transaction with Invalid Credit Card Presented for Payment

(1) After fee is displayed, if an invalid credit card is inserted or presented and once authorization is declined, the credit card, if inserted, is returned through the ticket slot and the display reads “Credit Card Not Accepted (Invalid Payment)”, and the system will display that the card was unauthorized and to present another card.

(2) After the invalid credit card is removed, if inserted or scanned, the ticket remains in the Exit terminal and the display alternates between displaying the fee and the message to insert another card.

(3) Once the user presents a valid credit card for payment, the transaction continues as a normal exit transaction.

(4) If the user does not have a valid credit card, they must push the intercom for assistance.

c. Exit - Lost Credential

(1) If a ticket, QR Code, or permit is lost, the user will be prompted to immediately push the intercom button for assistance, or the system will activate the intercom after an agreed time with the Owner.

(2) The user pushes the intercom button and is connected to a command center staffed by the operator. After the user informs the command center that they have lost their ticket, the supervisor uses a workstation to verify the user’s entry information based on the LPR data. From the workstation, the supervisor inputs a lost ticket transaction, which automatically transmits the entry information to the Exit terminal.

(3) The correct fee is calculated and displayed, and the transaction continues as normal, or the barrier gate is opened.

(4) After payment is received, the Exit terminal generates an exception ticket for a lost ticket and retains the exception ticket.

(5) The station prints a receipt, if selected, and the transaction continues as a normal exit transaction.

d. Exit - Unreadable Credential

(1) If a ticket, QR Code, or permit cannot be read by the exit machine, the display reads that it is unreadable and to push the intercom for assistance.

(2) The user pushes the intercom button and is connected to a command center staffed by the operator. After the user informs the command center that their credential is unreadable, the supervisor uses a workstation to verify the user's entry information based on the LPR data. From the workstation, the supervisor inputs a lost ticket transaction, which automatically transmits the entry information to the Exit terminal.

(3) The correct fee is calculated and displayed, and the transaction continues as normal, or the barrier gate is opened.

(4) After payment is received, the Exit terminal generates an exception ticket for a lost ticket and retains the exception ticket.

(5) The station prints a receipt, if selected, and the transaction continues as a normal exit transaction.

(6) After payment is received, the Exit terminal generates an exception ticket for an unreadable ticket and retains the exception ticket.

(7) The station prints a receipt, if selected, and the transaction continues as a normal exit transaction.

e. Exit - Attempt to Exit with Stolen Ticket

(1) Stolen Ticket is presented, the ticket is identified as a Stolen Ticket, appropriate alarm generated by the system, and the message "Ticket Invalid, Please Press Intercom Button for Assistance" is displayed.

(2) The user presses the intercom button, and the supervisor verifies (via the stolen ticket alarm) that the transaction is a stolen ticket for operator to proceed as outlined in their operational procedures.

f. Exit - Exit with Validation – ticket only

(1) After fee is displayed, the user's re-encoded parking ticket is presented, and the discount is applied to the parking fee due based on type of validation (either dollar value or time value).

(2) The display updates to show the reduced fee due.

(3) If the entire fee due is validated, then the barrier gate rises, and the transaction continues as a normal exit transaction.

(4) If the validation does not satisfy the entire parking fee, the user must present a credit card or mobile payment option

to complete payment and the transaction continues as a normal exit transaction.

g. Exit – Discounted Exit Validation

(1) After fee is displayed, a bar coded ticket or cell phone bar code is presented to the bar code or QR Code reader and the discount is applied to the parking fee due based on type of validation (either dollar value or time value).

(2) The display updates to show the reduced fee due.

(3) If the entire fee due is validated, then the barrier gate rises, and the transaction continues as a normal exit transaction.

(4) If the validation does not satisfy the entire parking fee, the user must present a credit card to complete payment and the transaction continues as a normal exit transaction.

2.06 EQUIPMENT AND SUBSYSTEM PERFORMANCE STANDARDS

A. The system shall calculate parking fees and grant vehicle access based upon different parking garages, time/day of entry, applicable taxes, lengths of stay, time increments, permits, and rate structures.

B. LPR Subsystem performance

1. At each public entry and exit lane the LPR Subsystem shall acquire an image of a vehicle's entire license plate at a 99 percent (99%) rate for all non-exception vehicles as defined within this section. The intent of the 99% capture rate is to have a visual record of 99% of all non-exception license plates entering the facility.

2. At each public entry and exit lane the LPR Subsystem shall achieve an N Factor rating of 90% meaning specifically that the LPR Subsystem shall read all license plate characters, exclusive of stacked characters, correctly 90 percent (90%) of the time for all non-exception vehicles as defined within this section. Missing, misread, or additional characters as determined by the LPR Subsystem shall be counted against the read accuracy. (i.e. if a license plate contains six standard characters "ABC123", then N=6. Therefore, in order for the system to achieve an N read, the system must return the LPN "ABC123" exactly.) Additional characters added before or after the license plate characters shall count against the read rate. (i.e., "1ABC123" would not constitute an N read.).

3. At each public entry and exit lane the LPR Subsystem shall achieve an N-2 Factor rating of 95% meaning specifically that the LPR Subsystem shall read all but two LPN characters, exclusive of stacked characters, correctly 95 percent (95%) of the time for all non-exception vehicles as defined within this section. Missing, misread, or additional characters as determined by the LPR Subsystem shall be counted against the read accuracy. (i.e. if a license plate contains six standard characters "ABC123", then N=6). Therefore, in order for the system to achieve an N-2 read, the system must return the LPN "C123", "ABC1", "CCC123",

"ABRR23", "1ABC1231", etc. Additional characters added before or after the license plate characters shall count against the read rate.

4. Exception vehicles shall not count against the accuracy of the LPR Subsystem. For the purposes of the LPR performance requirements an exception vehicle is defined as:

    h. Any vehicle whose license plate is obstructed, obscured, or encroached upon by a foreign object (having a foreign object within .375 inches (⅜") of any LPN character).
    i. Oversized vehicles that have a total distance between the center of the drivers' side window and the end of the rear bumper greater than 14 feet.
    j. Vehicles that contain excessive graphics and advertising such that it is impossible for the LPR system to determine which graphics belong to the license plate and which graphics do not.
    k. Vehicles with no license plate
    l. Vehicles with temporary cardboard (non-reflective) "Dealer Plates."
    m. Motorcycles

5. Ambient lighting conditions shall have no effect on the accuracy of the LPR system regardless of the time of the day and night. The Contractor shall provide any necessary shading or lighting elements required to mitigate the effect of the ambient lighting conditions on the LPR system performance.

6. The Contractor shall provide a means before lane acceptance testing, subject to approval by the Owner or Owner's Representative, to remotely score the LPR Subsystem to ensure it meets the performance requirements. The Contractor shall assist the Owner or Owner's Representative in transferring or uploading images from each lane to a secure FTP site that can then be viewed and scored on a standalone PC by the Owner or Owner's Representative. The Owner or Owner's Representative shall select any images stored on the LPR database for scoring purposes. The Contractor shall provide all software needed to test the LPR Subsystem's performance. The software shall be downloadable to a standalone PC used for testing.

7. LPR shall read plates from all states.

C. Processing Times
    1. The PARCS shall achieve the allowable processing times listed below:

        a. Report generation for data less than twelve (12) months old: less than fifteen (15) seconds
        b. Report generation for data twelve (12) months or older: less than thirty (30) seconds
        c. Credit card authorizations sent and returned: less than four (4) seconds, The Contractor shall provide the Owner or Owner's Representative with the speed of connection that is required to

allow credit card authorizations to be sent and returned and accounting for 150% increase in transactions. The Owner or Owner's Representative shall coordinate with the Contractor to increase the available bandwidth, as necessary.

d. At vehicle entry, the total elapsed time from the point a vehicle triggers the picture capture zone to the point where the LPR Subsystem submits a valid LPN into the database shall not exceed two (2) seconds for any single event.

e. At vehicle exit, the total elapsed time from the point a vehicle triggers the picture capture zone to the point where the LPR Subsystem communicates a successful or unsuccessful correlation message to the exit lane shall not exceed two (2) seconds for any single event.

2.07 SOURCE QUALITY CONTROL

A. Internal Contractor Tests

1. All equipment shall have successfully passed formal manufacturing tests and quality assurance inspections to validate compliance with the Contract prior to the start of the FAT. Records for formal internal Contractor testing and inspection for performance, materials quality and/or workmanship shall be maintained by the Contractor and made available if requested by the Owner or Owner's Representative prior to the start of any acceptance test.

2. Contractor shall have readily available proof of product reliability analysis and testing. Should reliability become a problem at any time from the beginning of installation testing through the operational completion test period.

3. Any test performed with the Contractor with the Owner or Owner's representative shall provide proof that the Contractor performed the same tests in advance.

PART 3 - EXECUTION

3.01 PROJECT MANAGEMENT

A. The Contractor shall provide a shared file folder during the project where meeting minutes, updated schedule and submittals will be shared with the Owner and Owner representatives.

3.02 EXAMINATION

A. Site Verification of Conditions: The Contractor shall verify all existing conditions in the field prior to implementation. In the event that conditions in the field are different from the existing conditions described and shown in the Contract, the Contractor shall notify the Owner or Owner's Representative in writing of the exact differences and shall inform the Owner or Owner's Representative in writing of any implications the differences have on the project.

3.03 INSTALLATION

A. During implementation and the warranty period, the Owner or Owner's Representative shall attempt to make available to the Contractor an area to serve as a work area for the technicians that shall support the system. It is the responsibility of the on-site technicians to keep the work area clean and free of all hazards.

B. During implementation and testing, on-line, real-time communication between the PARCS Cloud-based system and the Contractor's support team for supporting and configuring the system is required.

C. Any patches, upgrades, updates, or modifications to the software during the installation period shall require appropriate documentation and approval before the modification is made. Contractor shall propose a change control system for review and approval by Owner or Owner's Representative prior to implementation.

D. Equipment Installation

1. The Contractor shall verify that the installation location is prepared and ready to have the installation completed. The Contractor shall notify, in writing, the Owner or Owner's Representative if the Contractor finds that the installation location is not prepared for installation due to unfinished work outside of the Contractor's scope of work. The written notification shall provide detail of the elements that are in need of modification in order to prepare the location for equipment installation.

E. Disposal of Existing Equipment

1. The Contractor shall be responsible for removal of all unused existing equipment with no interference to ongoing revenue activity that is replaced under this project. Contractor shall disassemble, uninstall and transport removed equipment to an approved disposal location. Contractor shall be responsible for repairing any damages that occur to existing components during the removal and transport processes. The Owner or Owner's Representative will identify any device, equipment, or component that the Owner or Owner's Representative may wish to keep. Contractor shall deliver this equipment to a location identified by the Owner or Owner's Representative.

F. Phasing and Transition Plan

1. Contractor shall develop and submit a detailed phasing and transition plan describing how the Contractor plans to close existing lanes of operation, install new equipment, and open the lanes with the new system. This phasing and transition plan shall show how the Owner or Owner's Representative will process tickets that were produced with the existing system, on the new system. This plan will detail the number and location of lanes that will be operational with the new system during the "go-live" activity and when the additional lanes will be activated to process transactions with the new system.

   Include a detailed schedule of project requirements including milestones for shop drawings, fabrication, delivery periods, construction/installation, training, transition plan and testing. Milestones include special project requirements related to coordination with work by others and phasing.

Schedule shall clearly delineate work within each of the ParkBOI facilities.

Detail how and in what sequence old components of the existing system will be phased-out and how components of the new system phased-in. Phasing plan shall include elements such as delivery periods, construction, training and testing requirements.

Discuss how both systems (new & existing) will operate together until such time that the new system is fully integrated.

2. The Contractor shall only install equipment in one garage at a time. Two or more garages shall not be worked on concurrently.

3. LAT shall be completed successfully prior to beginning work on a new garage.

3.04 FIELD QUALITY CONTROL

A. Acceptance testing shall serve to verify the functional performance of the PARCS and its components to ensure adherence to these Functional Specifications. The Acceptance testing process shall not take away from or reduce the responsibility of the Contractor to provide a finished and fully functioning system that meets all requirements of these Functional Specifications. Each application software package, firmware, and hardware equipment component delivered by the Contractor shall undergo acceptance testing as part of the installation process.

1. Factory Acceptance Test (FAT)

2. Lane Acceptance Test (LAT)

3. Operational Completion Test (OCT)

B. The PARCS shall successfully pass each testing phase before the next testing phase commences. The LATs shall not begin until the FAT has been successfully completed, and the Operational Completion Test shall not begin until all LATs for that facility have been successfully completed. Tests shall not be excluded or conducted out of sequence without prior written authorization from the Owner or Owner's Representative.

C. Thirty (30) days prior to the anticipated completion of all LATs for a parking facility's implementation, the Contractor shall submit a written request for starting the Operational Completion Test. An Operational Completion Test shall be performed for each individual parking facility after all LATs for that parking facility have been successfully completed. The OCT shall be conducted to assess the entire PARCS installation as a system.

D. The Contractor shall submit the proposed Phasing and Transition Plan as outlined in the submittal guidelines. Testing shall not disrupt the normal entering and exiting of vehicles from the parking facility areas regardless if the lane is connected to the existing PARCS or the new PARCS.

E. Factory Acceptance Tests

1. FATs shall be conducted by the Contractor as a demonstration to the Owner or Owner's Representatives that the installed equipment complies

with the Contract, the Contractor's shop drawings, and to other documentation, such as user manuals.

2. Upon successful completion of the Contractor's test, the Contractor, and the Owner or Owner's Representative shall perform the FAT to verify performance. The FAT shall only be observed by the Owner or Owner's Representative after a fully completed and signed test script verifying successful completion of the Contractor's internal testing is submitted. Signed internal test scripts shall be submitted at least five (5) calendar days prior to the scheduled test with the Owner or Owner's Representative.

3. The Contractor shall provide test procedure documents for FATs in accordance with the submittal guidelines. FAT Test Procedures Documents shall be provided for each lane type or device type and test procedures shall include the following sections:

   a. narrative describing the general procedures to be followed;

   b. definition of all minor and major deviation types;

   c. checklist of all items necessary to conduct the test (e.g., unpaid tickets, exceptions tickets, credit cards, etc.);

   d. checklist for the components of each lane or device;

   e. signature page for all FAT participants' signatures;

   f. step by step instructions for testing each functionality;

   g. tests for all user processing procedures;

   h. tests to ensure that the proper rate structures are being used;

   i. tests for verifying the reporting requirements;

   j. area within each test section to denote "pass" or "fail;" and

   k. section for listing and describing test deviations.

4. The FAT shall be considered successfully completed when all components have passed their respective test procedures and all test documents have been signed by the Owner or Owner's Representative and Contractor. Minor deviations resulting in the creation of punch list items shall not be considered grounds for failure of the overall FAT. Major deviations found during the FAT shall result in the retest of the equipment. The Contractor shall credit the Owner or Owner's Representative from its total contract value for any travel and/or labor costs incurred by the Owner or Owner's Representative as a result of retesting a failed lane.

F. Lane Acceptance Tests

1. LATs shall be conducted by the Contractor as a demonstration to the Owner or Owner's Representatives that the installed equipment complies with the Contract, the Contractor's shop drawings, and to other documentation, such as user manuals.

2. After successful completion of the FAT the equipment, software, and subsystems may be installed, based on an Owner or Owner's

Representative approved schedule. When a lane installation has been completed, the Contractor shall conduct its internal testing of the installed equipment. Internal testing shall follow the identical LAT test procedures that shall be used during LATs observed by the Owner or Owner's Representative.

3. Upon successful completion of the Contractor's test, the Contractor, and the Owner or Owner's Representative shall perform the LAT to verify performance. The LAT shall only be observed by the Owner or Owner's Representative after a fully completed and signed test script verifying successful completion of the Contractor's internal testing is submitted. Signed internal test scripts shall be submitted at least five (5) calendar days prior to the scheduled test with the Owner or Owner's Representative.

4. LATs shall be conducted for each entry lane and exit lane. The Contractor shall not activate any entry/exit lane for service until its LAT has been successfully completed, and the Owner or Owner's Representative has notified the Contractor that it is ready to put the equipment in operation.

5. The Contractor shall provide test procedure documents for LATs in accordance to the submittal guidelines. LAT Test Procedures Documents shall be provided for each lane type or device type and test procedures shall include the following sections:

    a. narrative describing the general procedures to be followed;

    b. definition of all minor and major deviation types;

    c. checklist of all items necessary to conduct the test (e.g., unpaid tickets, exceptions tickets, credit cards, etc.);

    d. checklist for the components of each lane or device;

    e. signature page for all LAT participants' signatures;

    f. step by step instructions for testing each functionality;

    g. tests for all user processing procedures;

    h. tests to ensure that the proper rate structures are being used;

    i. tests for verifying the reporting requirements;

    j. tests for all third-party integrations;

    k. area within each test section to denote "pass" or "fail;" and

    l. section for listing and describing test deviations.

6. The Contractor shall provide all ancillary items necessary to complete the LATs for testing purposes; supply credit cards of all types for testing; provide all ticket and ticketless media needed for each transaction type; and provide all keys to access equipment housings. In addition, the Contractor shall make available sufficient personnel to perform the LAT in an efficient and timely manner.

7. The LAT shall be considered successfully completed when all components have passed their respective test procedures and all test documents have been signed by the Owner or Owner's Representative

and Contractor. Minor deviations resulting in the creation of punch list items shall not be considered grounds for failure of the overall LAT. Major deviations found during the LAT shall result in the retest of the lane. The Contractor shall agree to credit the Owner or Owner's Representative from its total contract value for any travel and/or labor costs incurred by the Owner or Owner's Representative as a result of retesting a failed lane.

G. Operational Completion Test

1. The OCT shall be comprised of all equipment, systems, and subsystems performing under actual conditions, e.g., user use, normal activity recording, and reporting procedures. This OCT shall demonstrate, over a period of thirty (30) consecutive calendar days, the successful performance of all aspects of the PARCS.

2. During the OCT, only routine maintenance procedures, as defined by the preventive maintenance manual and according to industry standards, shall be permitted. All other maintenance procedures shall be approved in writing by the Owner or Owner's Representative before they are performed; otherwise, they shall constitute a failure of the OCT and a mandatory restart.

3. The Owner or Owner's Representative reserves the right to be present for all maintenance services during the OCT.

4. For purposes of the OCT, a subsystem is defined to be any one of the following:

   a. Credit card authorization system

   b. Data communication system

   c. Entry Lane

   d. Exit Lane

   e. LPR System

   f. LPI System

   g. AVI System (if used)

   h. Barcode readers

   i. Signs

   j. Intercom System

   k. POF

   l. Integrations

5. The OCT shall begin after all facilities have successfully completed their respective Lane Acceptance Tests on a date mutually selected and agreed to in writing by the Owner or Owner's Representative and the Contractor at a time designated by the Owner or Owner's Representative. The OCT monitors system performance of the entire system operating as a single unit. The Contractor shall submit an OCT Test Procedures

Document in accordance with the submittal requirements. OCT Test Procedures Documents are intended to outline procedures for monitoring the overall performance of the PARCS and shall not include test procedures for individual lanes or components. The OCT Test Procedures Document shall include:

a. narrative describing the general procedures to be followed;

b. methodology for calculation of downtime for the various PARCS components; and

c. electronic tracking document to be used during the OCT period for documenting failures and downtime.

6. The OCT shall continue for thirty (30) consecutive twenty-four (24) hour periods during which all the performance criteria, stated below, shall have been met. If during the thirty (30) day period the system fails to meet any one of the following specified performance criteria, the test shall begin anew on a day agreed upon by the Owner or Owner's Representative and the Contractor. The Contractor shall agree to credit the Owner or Owner's Representative from its total contract value for any travel and/or labor costs incurred by the Owner or Owner's Representative as a result of retesting the system.

7. The performance criteria for successful completion of the OCT shall include:

a. No individual subsystem shall be operationally unavailable for four (4) or more hours cumulative during the test period.

b. No individual subsystem shall be operationally unavailable for more than two (2) consecutive hours during the test period.

c. If any single component fails more than once during the thirty (30) day period for the same reason, it shall be replaced upon the second failure with a newly manufactured component of the same type and the test shall continue.

d. No component of a given type (e.g., exit terminal, barrier gate, entry terminal, etc.) shall fail more than three (3) times during the test period for the same reason. Upon the fourth (4th) failure all components of that type shall be replaced to correct the common deficiency, and the test shall be restarted from the beginning.

8. In addition to the comprehensive reports generated during the OCT, the Contractor shall provide to the Owner or Owner's Representative a one-page summary report that clearly provides the overall percentage of system downtime and causes of that down time.

9. The Contractor shall provide to the Owner or Owner's Representative a corrective action report that provides a detailed description of each failure that occurs during the OCT. The corrective action report shall include the type of failure, why the failure occurred, what was done to remedy the failure, and whether or not the failure resulted in a restart of the OCT.

10. All reports shall be one hundred (100%) percent accurate and can be reconciled against one another over the thirty (30) day testing period,

otherwise the test shall be deemed a failure, problems shall be corrected, and the test restarted.

11. A subsystem shall be considered unavailable as long as any major component of the subsystem is not functioning. As an example, the major components of an entry lane include but are not limited to:
    a. Lane Open/Closed Signs
    b. Vehicle detector devices
    c. Intercom
    d. Barrier gate
    e. Entry terminal
    f. PARCS devices – sensors and signs
    g. Data communication
    h. Power supply
12. An inoperative subsystem shall not be deemed unavailable if it has become inoperative because of:
    a. malicious damage or vandalism to a component(s) by users or others;
    b. routine parking operational issues such as excessive ticket jams defined as one lane experiencing more than 10% more ticket jams than any other lanes during any 24-hour period;
    c. network connectivity issues beyond the PARCS;
    d. PARCS failures due to Owner or Owner's Representative provided equipment issues and/or failures;
    e. failures caused by a 3rd party; or
    f. Act of God.
13. Should a failure occur in the system that is caused by normal hardware failure, it shall be repaired, and the test resumed with downtime accrued. Where the failure causes inadequate test data to be collected or a loss of test data, then the test shall be restarted from a point where it can be successfully completed with data to verify compliance with the Contract and the test procedures document.
14. If the system "crashes" during a test, then the test shall be stopped. "Crash" is defined as a failure in which the PARCS cannot properly process revenue transactions. The Contractor shall analyze the cause of the system "crash," document the cause in a system problem report, responsively repair the flaw, and document the repair in a corrective action report.
15. Where corrective action impacts delivered documentation, the documentation shall be corrected prior to final acceptance. Only after Contractor has repaired flaw and Owner or Owner's Representative accepts corrective action, and the flaw report can the test be restarted.

16. Upon formal written approval of the corrective action report by the Owner or Owner's Representative, testing may continue if a problem has been encountered as long as the Contractor can clearly demonstrate that the failure is associated only with one (1) function of the system, corrective action has been taken to remedy the failure, and the corrective action shall not impact other areas of the system.

17. Where the system does not perform a function or incorrectly performs the function, but the system does not crash, testing may continue, as long as the function is corrected, and all of the following conditions are met:

    a. the functionality of entry/exit lanes and parking time works properly according to the Contract,

    b. the functionality of parking fee calculations and correct collection works according to the Contract;

    c. no personnel, vehicle or driver safety issues exist;

    d. transactional archiving operates in accordance with the Contract;

    e. failure does not cause loss or contamination of transactional data; and

    f. all reports balance and are 100% accurate.

18. Where the above criteria are not met, the test shall be stopped, and corrective action taken and verified prior to testing restart.

19. During the test, the continued availability of the system shall be demonstrated. Where a failure occurs that causes data loss, system instability (crash), and/or contamination of the transactional data and the database, the Contractor shall immediately correct the problem. Testing shall continue until a consecutive 30-day period of stable operation is achieved. Stability is defined as the proper functioning of the PARCS with a failure having no impact on the continued system operation or on the integrity of transactional data.

H. Punch List

1. Starting with the first week after completing the Lane Acceptance Tests through final system acceptance, the Contractor shall submit a document on a weekly basis showing the status of all outstanding system issues, regardless of severity, including the plan for resolution and estimated completion date.

I. Final System Acceptance

1. Final System Acceptance will be submitted by the Owner or Owner's Representative, in writing to the Contractor, upon successful completion of the FAT, all LATs, the OCT, upon verification by the Owner or Owner's Representative of complete resolution of all outstanding items on the punch list, receipt of detailed Record Drawings, and independent validation that the installed system is PCI-DSS compliant.

3.05 INSTRUCTION AND TRAINING

A. The Contractor shall submit a Training Plan with proposed instruction schedule. The Owner shall approve or suggest changes to the training schedule at that time. Fourteen (14) calendar days prior to each instruction session, the Contractor shall submit a training plan of where and how training sessions will be conducted, a copy of the instruction materials, equipment needed and provided, and approximate duration of the session. Ample time shall be allotted within each session for the Contractor to fully describe and demonstrate all aspects of the PARCS and allow Owner personnel to have hands-on experience with the PARCS.

B. The Contractor shall provide training certification for the operator to perform first level maintenance without voiding the warranty of the equipment. Certification shall include basic maintenance, preventive maintenance and removal and installation of simple parts, removal, and installation of gates.

C. The Contractor shall instruct the Owner's designated staff in the operation, adjustment, and maintenance of all products, equipment, and systems.

D. Contractor shall coordinate schedule for training with the Owner to avoid conflicts and peak period personnel conflicts.

E. The Owner reserves the right to request fifteen (15) hours of additional training up to two (2) times during the warranty period.

F. The class material shall include schematics and description of the equipment. The Contractor shall provide all documentation necessary to instruct the Owner's personnel. The Owner retains the right to copy and distribute material for internal use only.

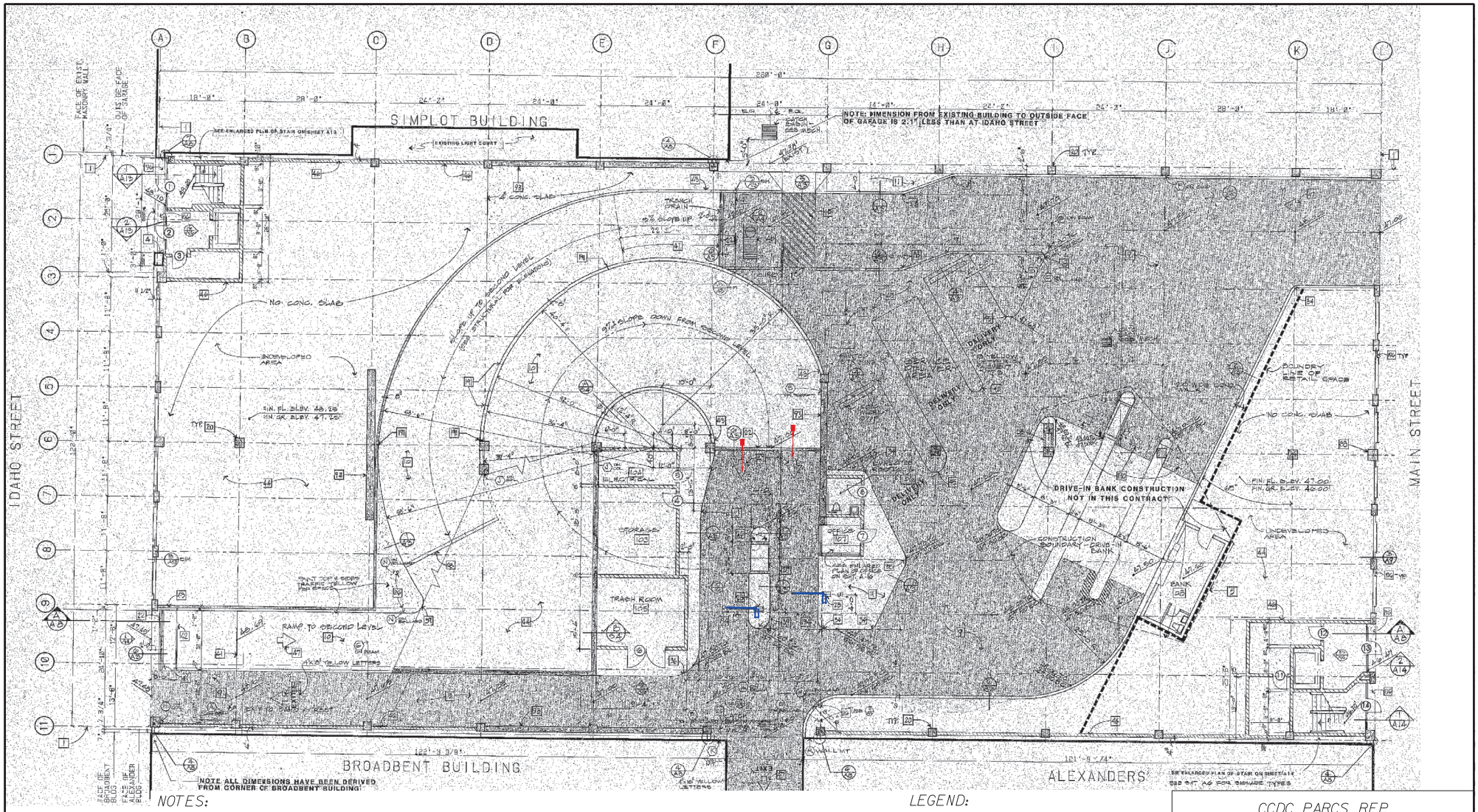
G. The Contractor shall submit a user's manual with every instruction in the course. The Contractor shall submit electronic copies (.PDF on a USB thumbdrive) to the Owner. The manual shall be written in English with appropriate photos, diagrams, and schematics to supplement the text.

H. Training classes shall be provided in the following groups:

1. Supervisors
2. Auditors and accounting personnel
3. CCDC staff and Administrators
4. CCDC PARCS Personnel

ATTACHMENT B

License Plate Recognition (LPR) Sketches



NOTES:

LPR locations shown provide a general idea on the expected locations for LPR cameras, but vendors shall evaluate their specific technology to confirm if these locations work for their design.

Vendors shall visit the sites and study the best locations and methods of locating the LPR cameras based on the existing conditions and islands at each location

LEGEND:

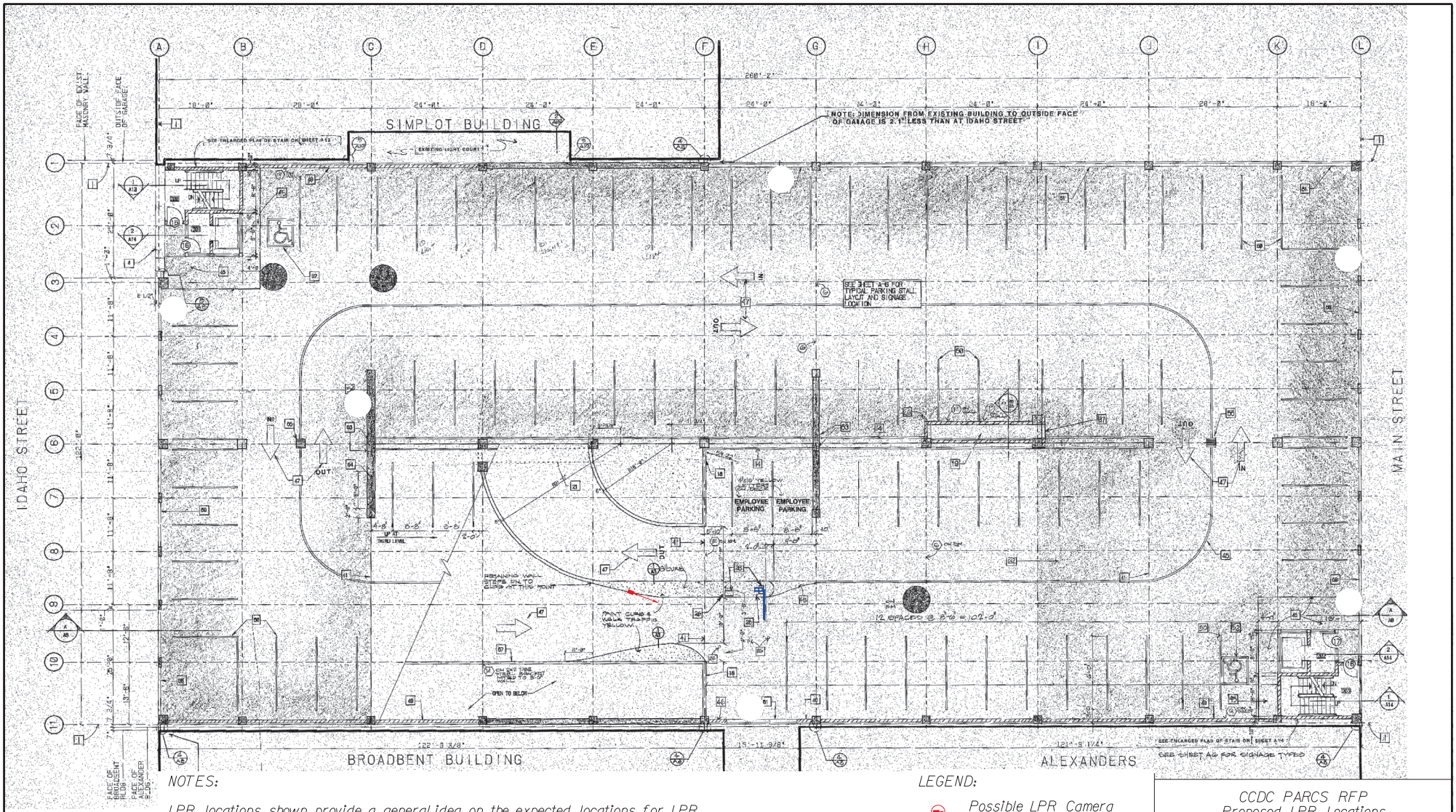
- Possible LPR Camera Location
- Possible Direction and Range View
- Gate Location

CCDC PARCS RFP
Proposed LPR Locations

9th & Main (1 of 2)

Kimley»Horn

Kimley-Horn and Associates
11400 Commerce Park Avenue, Suite 400
Reston, VA 20191 (703) 674-1300



NOTES:

LPR locations shown provide a general idea on the expected locations for LPR cameras, but vendors shall evaluate their specific technology to confirm if these locations work for their design.

Vendors shall visit the sites and study the best locations and methods of locating the LPR cameras based on the existing conditions and islands at each location

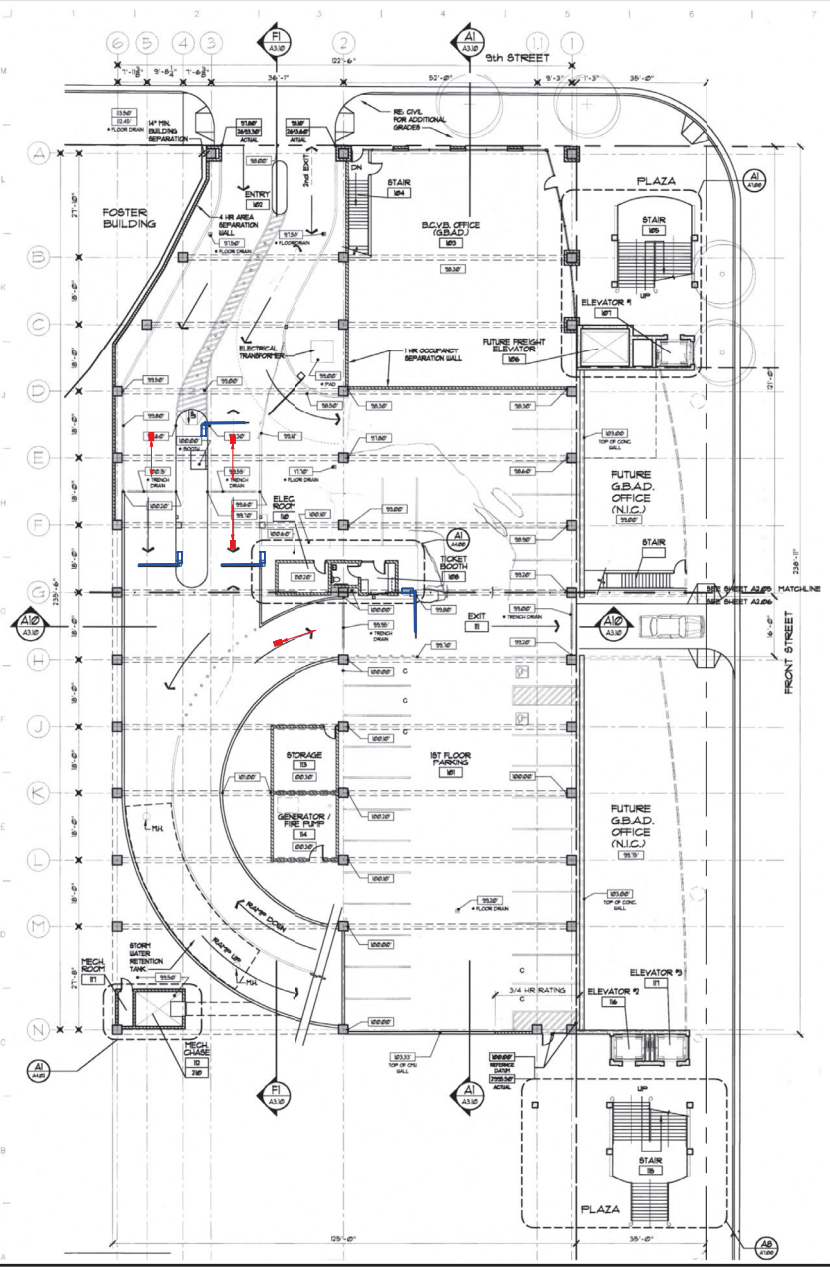
LEGEND:

- *Possible LPR Camera Location*
- *Possible Direction and Range View*
- *Gate Location*

CCDC PARCS RFP
Proposed LPR Locations

9th & Main (2 of 2)

Kimley»Horn
Kimley- Horn and Associates
11400 Commerce Park Avenue, Suite *400
Reston, VA 20191 (703) 674-1300



NOTES:

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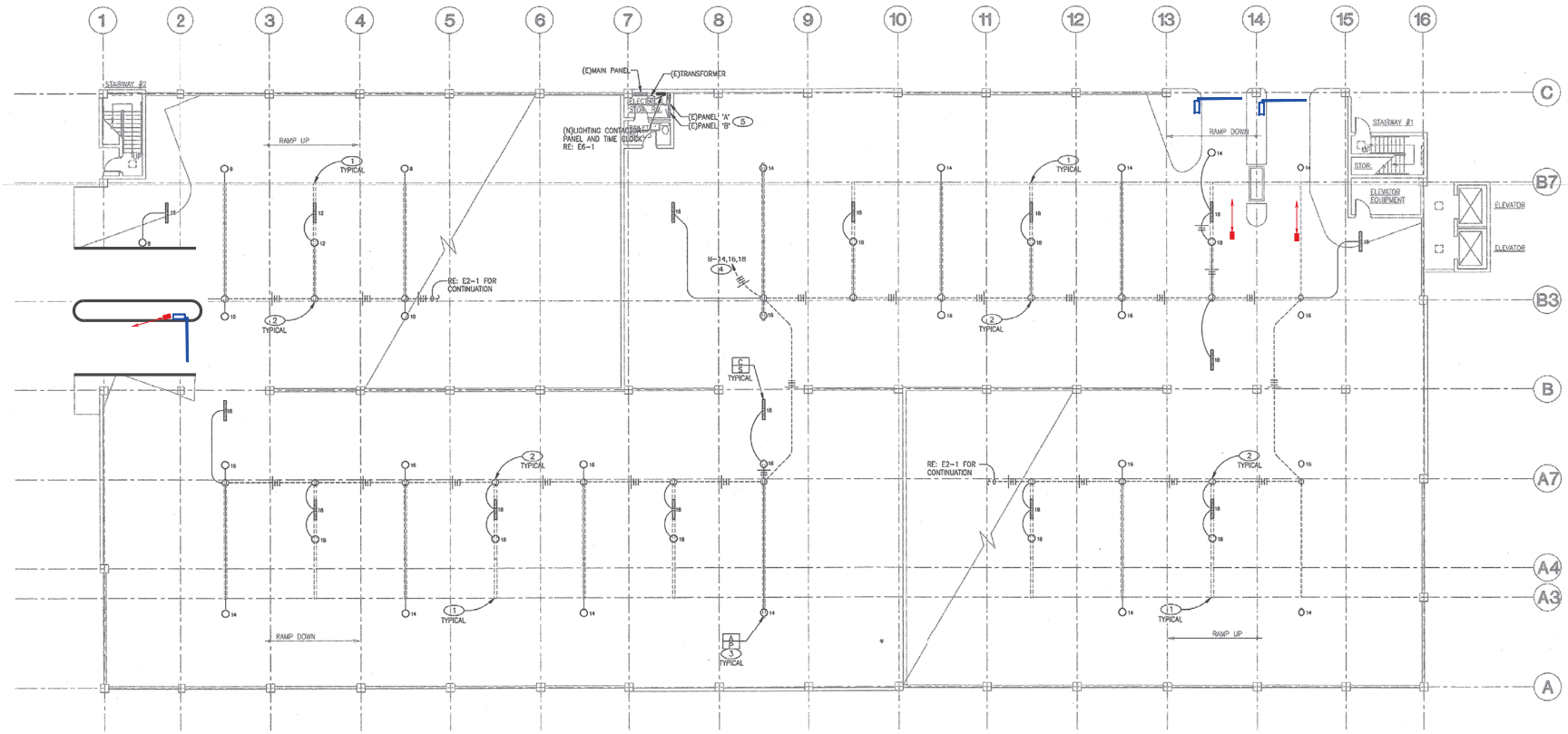
LEGEND:

- Possible LPR Camera Location
- Possible Direction and Range View
- Gate Location

CCDC PARCS RFP
Proposed LPR Locations

9th & Front

Kimley»Horn
Kimley-Horn and Associates
11400 Commerce Park Avenue, Suite 400
Reston, VA 20191 (703) 674-1300



NOTES:

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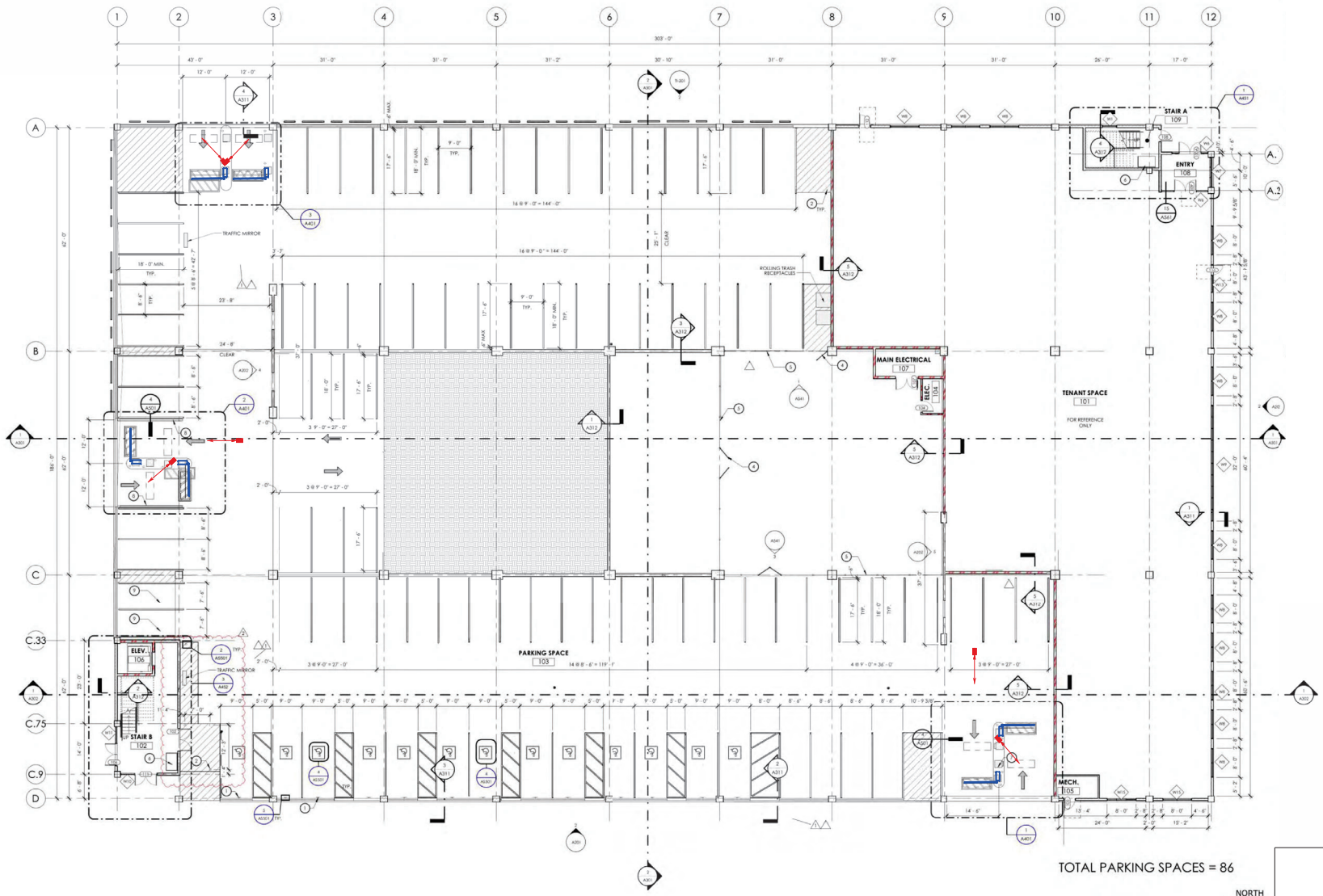
LEGEND:

- *Possible LPR Camera Location*
- *Possible Direction and Range View*
- *Gate Location*

CCDC PARCS RFP
Proposed LPR Locations

10th & Front

Kimley»Horn
Kimley-Horn and Associates
11400 Commerce Park Avenue, Suite *400
Reston, VA 20191 (703) 674-1300



1 FLOOR PLAN - LEVEL 1

NOTES:

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LEGEND:

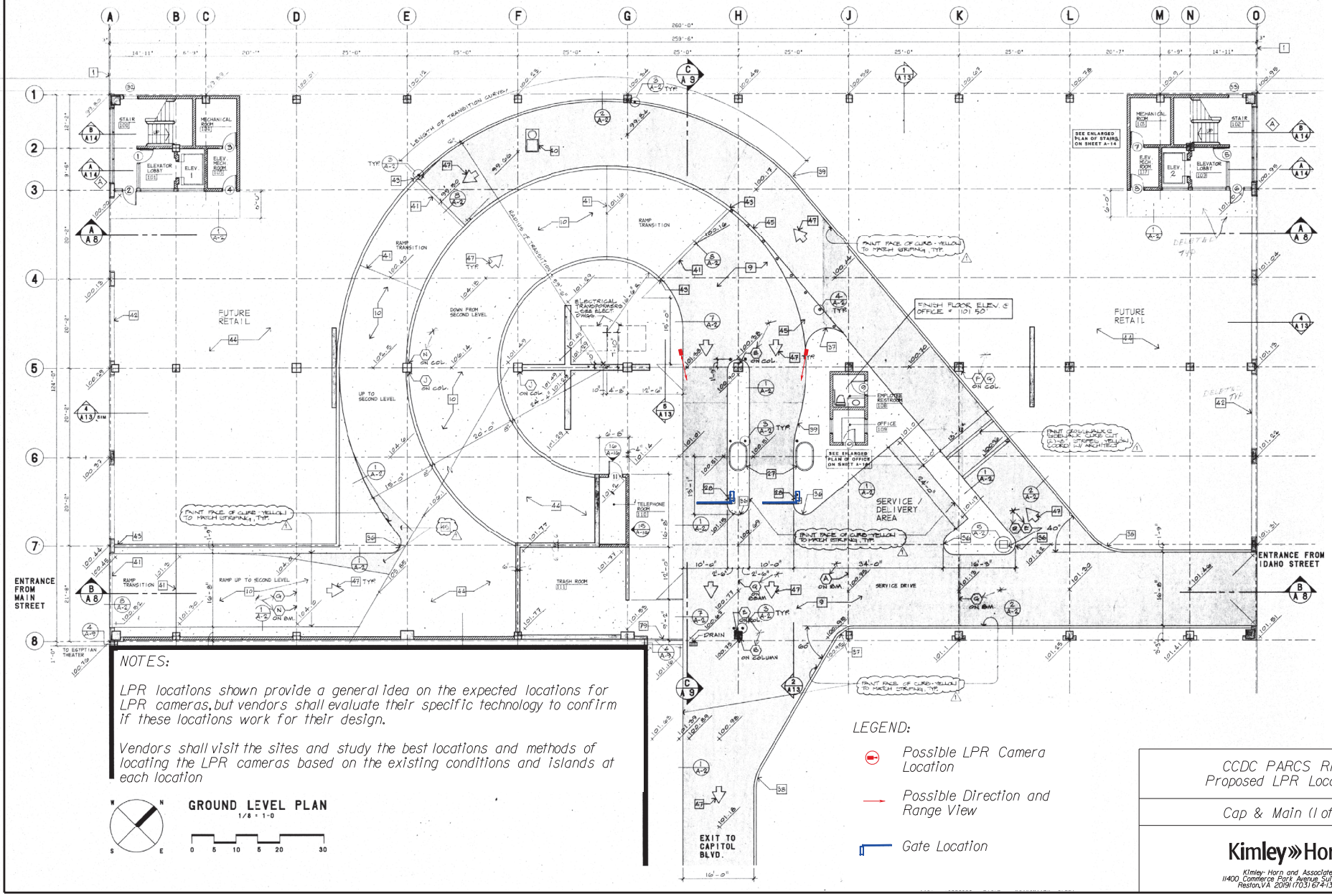
- Possible LPR Camera Location
- Possible Direction and Range View
- Gate Location

CCDC PARCS RFP
Proposed LPR Locations

11th & Front

Kimley»Horn

©Kimley-Horn and Associates
11400 Commerce Park Avenue, Suite 400
Reston, VA 20191 (703) 674-1300



NOTES:

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Vendors shall visit the sites and study the best locations and methods of locating the LPR cameras based on the existing conditions and islands at each location

GROUND LEVEL PLAN
1/8" = 1'-0"

0 5 10 5 20 30

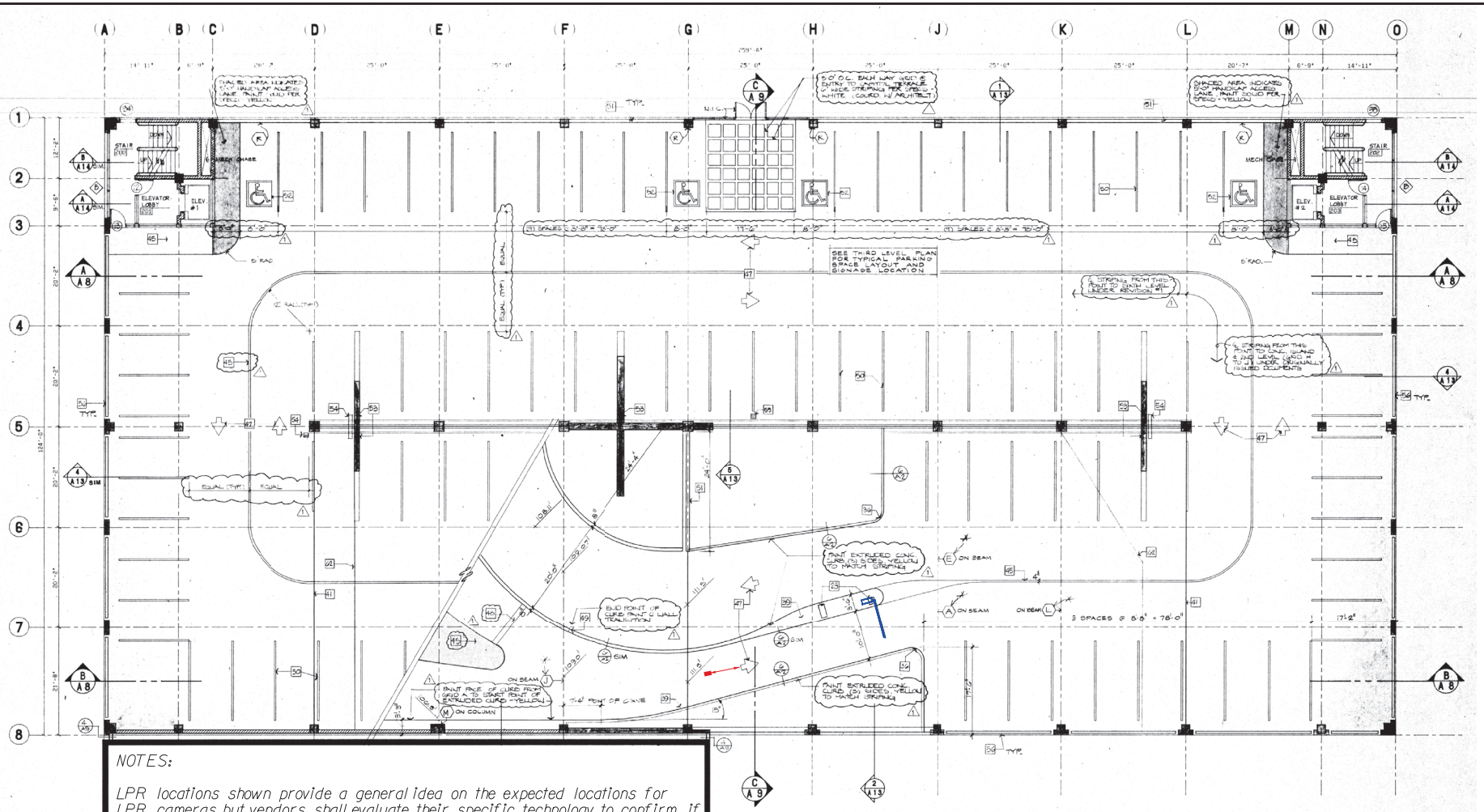
LEGEND:

- Possible LPR Camera Location
- Possible Direction and Range View
- Gate Location

CCDC PARCS RFP
Proposed LPR Locations

Cap & Main (1 of 2)

Kimley»Horn
Kimley-Horn and Associates
11400 Commerce Park Avenue, Suite 400
Reston, VA 20191 (703) 674-1300



NOTES:

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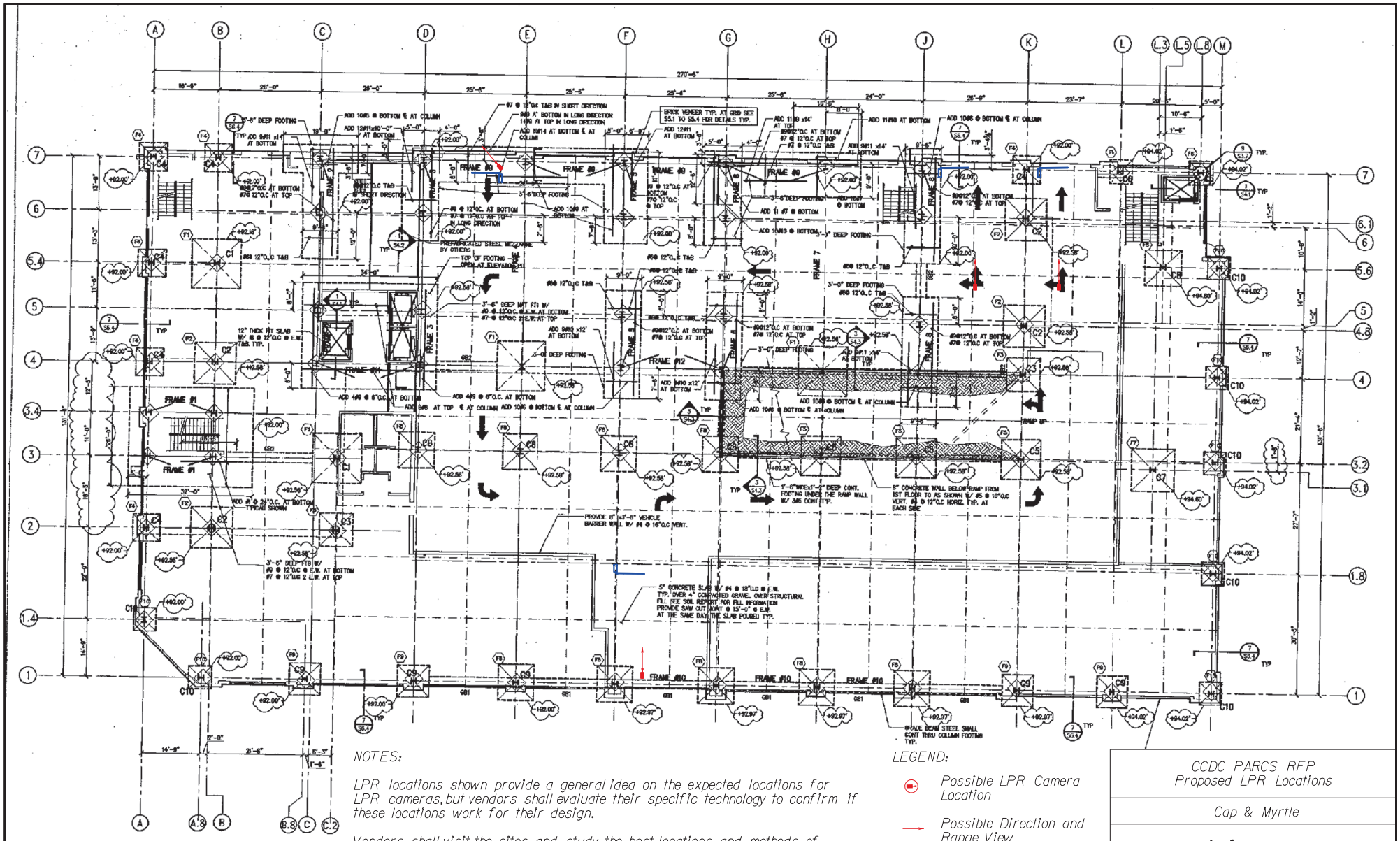
LEGEND:

- Possible LPR Camera Location
- Possible Direction and Range View
- Gate Location

CCDC PARCS RFP
Proposed LPR Locations

Cap & Main (2 of 2)

Kimley»Horn
Kimley-Horn and Associates
11400 Commerce Park Avenue, Suite 400
Reston, VA 20191 (703) 674-1300



NOTES:

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Vendors shall visit the sites and study the best locations and methods of locating the LPR cameras based on the existing conditions and islands at each location

LEGEND:

- Possible LPR Camera Location
- Possible Direction and Range View
- Gate Location

CCDC PARCS RFP
Proposed LPR Locations

Cap & Myrtle

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11400 Commerce Park Avenue, Suite 400
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ATTAC MENT C

Cost o m

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CCDC
ParkBOI PARCS Replacement
Boise, ID

Cost Form

TOTAL PARCS COST ESTIMATE FOR ALL FACILITIES			
Quantity	**Description**	**Unit Cost**	**Subtotal**
PARCS Costs			
1	Parking Equipment Costs		$ -
1	Parking Event Management System/Software		$ -
6	Parking Event Management System/Software Handheld Devices		$ -
1	Mobile Pay Setup		$ -
1	Credit Card Subsystem		$ -
1	PARCS Software (2 years initial cost)		$ -
1	Validation System/Software		$ -
1	Prox Cards Software		$ -
2000	Prox Cards		$ -
1	Intercom and Camera System/Software		$ -
1	PARCS Data Migration		$ -
1	Network Equipment		$ -
1	Training		$ -
1	Testing		$ -
1	Documentation		$ -
			$ -
			$ -
			$ -
Subtotal			$ -
Construction Costs			
1	Equipment Removal		$ -
1	Construction		$ -
			$ -
			$ -
			$ -
Subtotal			$ -
GC & Soft Costs			
1	Design and Construction Contingency		$ -
1	General Conditions/Mobilization (field overhead)		$ -
1	Bonds and Insurance		$ -
1	Overhead & Profit		$ -
1	Escalation		$ -
1	Vendor A/E Fees, Materials Testing		$ -
			$ -
			$ -
			$ -
Subtotal			$ -
	COST TOTAL	$0	

Proposal Options - Reservation and Hotel Integration			
Quantity	**Description**	**Unit Cost**	**Subtotal**
1	Reservation System		$ -
1	Hotel Integrations		$ -
1	ParkMobile Integration		$ -
1	Servers and Network Equipment Labor		$ -
1	Training		$ -
1	Testing		$ -
1	Documentation		$ -
			$ -
			$ -
			$ -
	SUBTOTAL	$0	

Proposal Options - AVI			
Quantity	**Description**	**Unit Cost**	**Subtotal**
11	Entries		$ -
12	Exits		$ -
6	Nested Lanes		$ -
3500	Transponders		$ -
28	Remove Prox Cards Readers		$ -
			$ -
			$ -
			$ -
	SUBTOTAL	$0	

Year	Maintenance Costs/Software
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
	$ -

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

Description	Unit Price
Entry Terminal	
Exit Terminal	
Barrier Gate	
Loops	
Prox Card Reader	
AVI Reader	
Pay on Foot Machine (Credit Card Only)	
Pay on Foot Machine (Credit Card and Cash)	
ParkMobile Integration	
LPR Camera	
Open/Closed Signs in Lanes	
Dynamic Monument Sign	
UPS	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

9th & Main			
Quantity	**Description**	**Unit Price**	**Total Price**
1	Entry Terminal	$ -	$ -
2	Exit Terminal	$ -	$ -
9	Barrier Gate	$ -	$ -
21	Loops	$ -	$ -
3	LPR	$ -	$ -
9	Prox Card Reader	$ -	$ -
1	Prox Card Reader BikeBOI	$ -	$ -
2	Pay on Foot Machine (Credit Card Only)	$ -	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ -	$ -
2	UPS	$ -	$ -
	OVERALL PARKING FACILITY TOTAL:	$ -	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

9th & Front			
Quantity	**Description**	**Unit Price**	**Total Price**
2	Entry Terminal	$ -	$ -
2	Exit Terminal	$ -	$ -
4	Barrier Gate	$ -	$ -
4	LPR	$ -	$ -
12	Loops	$ -	$ -
4	Prox Card Reader	$ -	$ -
4	Open/Closed Signs in Lanes	$ -	$ -
2	Pay on Foot Machine (Credit Card Only)	$ -	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ -	$ -
2	UPS	$ -	$ -
	OVERALL PARKING FACILITY TOTAL:	$ -	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

10th & Front			
Quantity	**Description**	**Unit Price**	**Total Price**
1	Entry Terminal	$ -	$ -
2	Exit Terminal	$ -	$ -
3	Barrier Gate	$ -	$ -
3	LPR	$ -	$ -
6	Loops	$ -	$ -
3	Prox Card Reader	$ -	$ -
1	Pay on Foot Machine (Credit Card Only)	$ -	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ -	$ -
2	UPS	$ -	$ -
	OVERALL PARKING FACILITY TOTAL:	$ -	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

11th & Front			
Quantity	**Description**	**Unit Price**	**Total Price**
4	Entry Terminal	$ -	$ -
2	Exit Terminal	$ -	$ -
6	Barrier Gate	$ -	$ -
6	LPR	$ -	$ -
12	Loops	$ -	$ -
6	Prox Card Reader	$ -	$ -
1	Pay on Foot Machine (Credit Card Only)	$ -	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ -	$ -
3	UPS	$ -	$ -
	OVERALL PARKING FACILITY TOTAL:	$ -	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

Capitol & Main			
Quantity	**Description**	**Unit Price**	**Total Price**
1	Entry Terminal	$ -	$ -
2	Exit Terminal	$ -	$ -
3	Barrier Gate	$ -	$ -
3	LPR	$ -	$ -
6	Loops	$ -	$ -
3	Prox Card Reader	$ -	$ -
3	Pay on Foot Machine (Credit Card Only)	$ -	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ -	$ -
2	UPS	$ -	$ -
	OVERALL PARKING FACILITY TOTAL:	$ -	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

Capitol & Myrtle			
Quantity	**Description**	**Unit Price**	**Total Price**
2	Entry Terminal	$ -	$ -
2	Exit Terminal	$ -	$ -
4	Barrier Gate	$ -	$ -
4	LPR	$ -	$ -
12	Loops	$ -	$ -
4	Prox Card Reader	$ -	$ -
1	Pay on Foot Machine (Credit Card Only)	$ -	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ -	$ -
2	UPS	$ -	$ -
	OVERALL PARKING FACILITY TOTAL:	$ -	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

ATTACHMENT D

Sample Contract

STANDARD AGREEMENT AND GENERAL CONDITIONS BETWEEN OWNER AND CONSTRUCTOR

PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS) REPLACEMENT PROJECT

($000,000)

SAMPLE

TABLE OF ARTICLES

1. AGREEMENT
2. GENERAL PROVISIONS
3. CONSTRUCTOR'S RESPONSIBILITIES
4. OWNER'S RESPONSIBILITIES
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6. TIME
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ARTICLE 1 AGREEMENT

This Agreement is made this ____ day of _____ in the year 2025, by and between the

OWNER: Capital City Development Corporation (CCDC)
121 N. 9th Street, Suite 501
Boise, Idaho 83702

and the

CONSTRUCTOR: _____

Tax identification number (TIN): _____

for construction and services in connection with the following PROJECT:

Project Identification: Parking Access and Revenue Control System Replacement Project

Work Area:

- 9th & Front Garage: 312 South 9th Street, Boise, Idaho.
- 9th & Main Garage: 848 West Main Street, Boise, Idaho
- 10th & Front Garage: 230 South 10th Street, Boise, Idaho
- 11 & Front Garage: 1101 West Front Street, Boise, Idaho
- Capitol & Main Garage: 770 West Main Street, Boise, Idaho
- Capitol & Myrtle Garage: 445 South Capitol Boulevard, Boise, Idaho

The Project will replace the existing PARCS at up to six (6) ParkBOI public parking structures in its entirety, including—but not limited to—all kiosks, gates, card readers, credit card processors, ticket printers, detection loops, pay-on-foot machine, pay-in-lane machine, intercoms, computer servers and the associated software. The Project includes all civil and electrical work to accommodate installation consistent with the requirements of this Agreement.

Notice to the Parties shall be given at the above addresses.

The Owner's Project Consultant is Kimley-Horn and Associates, Inc.

The Owner's Representative is Zach Piepmeyer, P.E., Parking & Mobility Director

The Parties agree as set forth herein:

ARTICLE 2 GENERAL PROVISIONS

2.1 RELATIONSHIP OF PARTIES The Parties each agree to proceed with the Project on the basis of mutual trust, good faith, and fair dealing.

2.1.1 The Constructor shall furnish construction administration and management services and use the Constructor's diligent efforts to perform the Work in an expeditious manner consistent with the

SAMPLE

Contract Documents. The Parties shall each endeavor to promote harmony and cooperation among all Project participants.

2.1.2 The Constructor represents that it is an independent contractor and that in its performance of the Work it shall act as an independent contractor. Owner will have no right to control or direct the details, manner, or means by which Constructor accomplishes the results of the services performed hereunder.

2.1.3 The Constructor has no obligation to work any particular hours or days or any particular number of hours or days. Constructor agrees, however, that its other contracts and services shall not interfere with the performance of its services under this Agreement.

2.1.4 Neither the Constructor nor any of its agents or employees shall act on behalf of or in the name of the Owner except as provided in this Agreement or unless authorized in writing by the Owner's Representative.

2.1.5 The Parties shall perform their obligations with integrity, ensuring at a minimum that each: (a) avoids conflicts of interest and promptly discloses any to the other Party; and (b) warrants that it has not and shall not pay or receive any contingent fees or gratuities to or from the other Party, including its agents, officers, and employees, subcontractors, or others for whom they may be liable, to secure preferential treatment.

2.2 DESIGN PROFESSIONAL. Not used.

2.3 DEFINITIONS

2.3.1 “Agreement” means this Standard Agreement and General Conditions Between Owner and Constructor, as modified, and exhibits and attachments made part of this agreement upon its execution. For purposes of this Agreement, the terms “Agreement” and “Contract” are equivalent.

2.3.2 “Business Day” means all Days, except weekends and official federal or state holidays where the Project is located.

2.3.3 “Change Order” is a written order signed by the Owner and the Constructor after execution of this Agreement, indicating changes in the scope of the Work, the Contract Price, or Contract Time, including substitutions proposed by the Constructor and accepted by the Owner.

2.3.4 “Contract Documents” consist of this Agreement, the existing Contract Documents listed in Section 14.1, drawings, specifications, addenda issued and acknowledged prior to execution of this Agreement, information furnished by the Owner pursuant to subsection 3.14.4, and modifications issued in accordance with this Agreement.

2.3.5 “Contract Price” is the amount indicated in section 7.1 of this Agreement.

2.3.6 “Contract Time” is the period between the Date of Commencement and Final Completion.

2.3.7 “Constructor” is the person or entity identified in ARTICLE 1 and includes the Constructor's Project Manager, designated by Constructor as having authority to represent, make decisions, and act on behalf of Constructor. For purposes of this Agreement, the terms Constructor and Contractor with the capitalized “C” are equivalent.

2.3.8 “Construction Period” is the period of time between the Date of Commencement stated in the Notice to Proceed and the date of Final Completion stated in the Certificate of Final Completion.

SAMPLE

2.3.9 “Cost of the Work” means the costs and discounts specified in section 8.3.2.

2.3.10 “Date of Commencement” is as set forth in section 6.1.

2.3.11 “Day” means a calendar day.

2.3.12 “Defective Work” is any portion of the Work that does not conform with the Contract Documents.

2.3.13 "Equipment" means all mechanical and electronic components to be provided by CONSTRUCTOR to OWNER necessary for the System to function properly as specified, including, but not limited to, all hardware, wiring, conduit, connections, server equipment, pay stations, ticketing machines, gate activators and lift mechanics, fee computers, automated pay stations, spare parts, field dynamic message signs, garage dynamic message signs, and all associated equipment.

2.3.14 “Final Completion” occurs on the date when the Constructor’s obligations under this Agreement are complete and accepted by the Owner and final payment becomes due and payable. This date shall be confirmed by a Certificate of Final Completion signed by the Owner and the Constructor.

2.3.15 “Interim Directed Change” is a change to the Work directed by the Owner pursuant to section 8.2. For purposes of this Agreement, the terms “Interim Directed Change” and “Work Change Directive” are equivalent and may be used interchangeably.

2.3.16 “Laws” mean federal, state, and local laws, ordinances, codes, rules, and regulations applicable to the Work with which the Constructor must comply that are enacted as of the Agreement date.

2.3.17 “Material Supplier” is a person or entity retained by the Constructor to provide material and equipment for the Work.

2.3.18 “Others” means other contractors/constructors, material suppliers, and persons at the Worksite who are not employed by the Constructor or Subcontractors.

2.3.19 “Overhead” means (a) payroll costs and other compensation of Constructor employees in the Constructor's principal and branch offices; (b) general and administrative expenses of the Constructor's principal and branch offices including charges against the Constructor for delinquent payments; and (c) the Constructor's capital expenses, including interest on capital used for the Work.

2.3.20 “Owner” is the person or entity identified in ARTICLE 1 and includes the Owner's Representative.

2.3.21 “Owner’s Representative” is the individual employed by the Owner who shall be fully acquainted with the Project, shall act as the prime point of contact between Owner and Owner’s Project Consultant, shall provide the Owner’s instructions to Owner’s Project Consultant, and shall have authority to bind the Owner in all matters requiring the Owner's approval, authorization, or written notice.

2.3.22 “Parking Garage” or “Garage” is any one of the six structures owned by Owner which are part of the ParkBOI System and constructed and used for parking of motor vehicles and ancillary activities, including subterranean, ground, and above ground parking levels, storage areas, stair and elevator towers and all improvements thereto under control of the Owner. A Parking Garage typically

SAMPLE

excludes surrounding public sidewalks and street rights-of-way unless owned by CCDC. Parking Garages included in this definition are listed in Article 1.

2.3.23 “Parties” are collectively the Owner and the Constructor.

2.3.24 “Project,” as identified in ARTICLE 1, is the construction, installation, repair or other improvements for which the Constructor is to perform Work under this Agreement. It may also include construction by the Owner or Others.

2.3.25 Project Consultant” is the individual retained by the Owner to perform day-to-day field observations of the Project on Owner’s behalf and shall be the prime point of contact for Constructor. The Project Consultant shall possess full authority to receive instructions from Owner and to act on those instructions.

2.3.26 “Schedule of the Work” is the document prepared by the Constructor that specifies the dates on which the Constructor plans to begin and complete various parts of the Work, including dates on which information and approvals are required from the Owner.

2.3.27 "Software" means the aggregate of the Constructor’s Proprietary Software and all other third party software installed as part of the System (such as anti-virus software, license plate recognition software, and all other commercial-off-the-shelf software required by the System) licensed to Owner.

2.3.28 “System” means the Parking Access and Revenue Control System as a whole including all associated Equipment, Software, and Services to be delivered by Constructor to Owner under this Agreement.

2.3.29 “System Infrastructure” means constructed elements, including concrete islands, electrical circuits, communication cabling, fiber optic cabling, wiring, conduit, vehicle detection loops, signage, kiosks, gates, vehicle counters and other constructed elements that Owner will provide or cause to be constructed to facilitate the installation and operation of the System.

2.3.30 “Subcontractor” is a person or entity retained by the Constructor as an independent contractor to provide the labor, materials, equipment, or services necessary to complete a specific portion of the Work. All subcontractors shall hold valid Public Works Contractor licenses pursuant to Idaho Code § 54-1902 and § 67-2310.

2.3.31 “Substantial Completion” of the Work occurs on the date when the Work is sufficiently complete in accordance with the Contract Documents so that the Owner may occupy or utilize the Project, or a designated portion, for the use for which it is intended, without unscheduled disruption. This date shall be confirmed by a Certificate of Substantial Completion signed by the Owner and Constructor. For the PARCS replacement project, all LAT must be completed in accordance with the Functional Specifications prior to the Certificate of Substantial Completion being issued.

2.3.32 “Subsubcontractor” is a person or entity who has an agreement with a Subcontractor or another Subsubcontractor to perform a portion of the Subcontractor's Work.

2.3.33 “Terrorism” means a violent act, or an act that is dangerous to human life, property, or infrastructure, that is committed by an individual or individuals and that appears to be part of an effort to coerce a civilian population or to influence the policy or affect the conduct of any government by coercion. Terrorism includes, but is not limited to, any act certified by the United States government as an act of terrorism pursuant to the Terrorism Risk Insurance Act, as amended.

SAMPLE

2.3.34 “Work” means the construction and services necessary or incidental to fulfill the Constructor's obligations for the Project in conformance with this Agreement and the other Contract Documents. The Work may refer to the whole Project or only a part of the Project if work is also being performed by the Owner or Others.

2.3.34.1 “Changed Work” means work that is different from the original scope of Work; or work that changes the Contract Price or Contract Time.

2.3.35 “Worksite”is a portion of a ParkBOI Parking Structure where Work on the PARCS Project will be performed as indicated in the Contract Documents..

ARTICLE 3 CONSTRUCTOR'S RESPONSIBILITIES

3.1 GENERAL RESPONSIBILITIES

3.1.1 Construction will commence upon the issuance by Owner of a written notice to proceed.

3.1.2 In order to complete the Work, Constructor shall provide all necessary design, procurement, construction supervision, inspection, construction equipment, construction labor, materials, tools, and subcontracted items.

3.1.3 Constructor shall provide all labor, materials, equipment, and services necessary to complete the Work, all of which shall be provided in full accord with and reasonably inferable from the Contract Documents.

3.1.4 Constructor shall be responsible for the supervision and coordination of the Work, including the construction means, methods, techniques, sequences, and procedures utilized, unless the Contract Documents give other specific instructions. In such case, Constructor shall not be liable to Owner for damages resulting from compliance with such instructions unless Constructor recognized and failed to timely report to the Owner’s Representative any error, inconsistency, omission, or unsafe practice that it discovered in the specified construction means, methods, techniques, sequences, or procedures.

3.1.5 Constructor shall maintain the Schedule of Work. This schedule shall indicate the dates for the start and completion of the various stages of the construction, including the dates when information and approvals are required from Owner. It shall be revised as required by the conditions of the Work.

3.1.6 Constructor shall obtain all the building permits necessary for the construction of the Project. The costs of all such permits shall be included in the Contract Price, without mark-up.

3.1.7 Constructor shall keep such full and detailed accounts as may be necessary for proper financial management under this Agreement. Owner shall be afforded access to all.

3.1.8 Constructor's records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to Change Order work performed on the basis of actual cost. Constructor shall preserve all such records for a period of three years after the final payment or longer where required by law.

3.1.9 Constructor shall provide periodic written reports to Owner and shall attend regularly-scheduled meetings to discuss the progress of the Work in such detail as is required by Owner and as agreed to by Owner.

SAMPLE

3.1.10 The Constructor shall perform Work only within locations allowed by the Contract Documents, Laws, and applicable permits.

3.2 OWNERSHIP OF DOCUMENTS

3.2.1 OWNERSHIP OF TANGIBLE DOCUMENTS Owner shall receive ownership of the property rights, except for copyrights, of all documents, drawings, specifications, electronic data, and information (hereinafter "Documents") prepared, provided or procured by Constructor, its Subcontractors, or consultants and distributed to Owner for this Project, upon the making of final payment to Constructor or in the event of termination under ARTICLE 11, upon payment for all sums due to Constructor pursuant to ARTICLE 11.

3.2.2 COPYRIGHT The Parties agree that Owner shall not obtain ownership of the copyright of all Documents.

3.2.3 USE OF DOCUMENTS IN EVENT OF TERMINATION In the event of a termination of this Agreement pursuant to ARTICLE 11, Owner shall have the right to use, to reproduce, and to make derivative works of the Documents to complete the Project, provided payment has been made pursuant to subsection 3.2.1.

3.2.4 OWNER'S USE OF DOCUMENTS AFTER COMPLETION OF PROJECT After completion of the Project, Owner may reuse, reproduce, or make derivative works from the Documents solely for the purposes of maintaining, renovating, remodeling, or expanding the Project at the Worksite. Owner's use of the Documents without Constructor's involvement or on other projects is at Owner's sole risk, except for Constructor's indemnification obligations, and Owner shall indemnify and hold harmless Constructor, its Subcontractors, and consultants, and the agents, officers, directors, and employees of each of them, from and against any and all claims, damages, losses, costs, and expenses, including reasonable attorneys' fees and costs, arising out of or resulting from such any prohibited use.

3.3 COOPERATION WITH WORK OF OWNER AND OTHERS

3.3.1 The Owner may perform work at the Worksite directly or by Others. Any agreements with Others to perform construction or operations related to the Project shall include provisions pertaining to insurance, indemnification, waiver of subrogation, consequential damages, coordination, interference, cleanup, and safety that are substantively the same as the corresponding provisions of this Agreement.

3.3.2 If the Owner elects to perform work at the Worksite directly or by Others, the Constructor and the Owner shall coordinate the activities of all forces at the Worksite and agree upon fair and reasonable schedules and operational procedures for Worksite activities. The Owner shall require each separate contractor to cooperate with the Constructor and assist with the coordination of activities and the review of construction schedules and operations. The Contract Price and Contract Time shall be equitably adjusted, as mutually agreed by the Parties, for changes made necessary by the coordination of construction activities, and the Schedule of the Work shall be revised accordingly. The Constructor, the Owner, and Others shall adhere to the revised construction schedule.

3.3.3 With regard to the work of the Owner and Others, the Constructor shall: (a) proceed with the Work in a manner that does not hinder, delay, or interfere with the work of the Owner or Others or cause the work of the Owner or Others to become defective; (b) afford the Owner or Others reasonable access for introduction and storage of their materials and equipment and performance of their activities; and (c) coordinate the Constructor's Work with theirs.

SAMPLE

3.3.4 Before proceeding with any portion of the Work affected by the construction or operations of the Owner or Others, the Constructor shall give the Owner prompt written notification of any defects the Constructor discovers in their work which will prevent the proper execution of the Work. The Constructor's obligations in this subsection do not create a responsibility for the work of the Owner or Others, but are for the purpose of facilitating the Work. If the Constructor does not notify the Owner of defects interfering with the performance of the Work, the Constructor acknowledges that the work of the Owner or Others is not defective and is acceptable for the proper execution of the Work. Following receipt of written notice from the Constructor of defects, the Owner shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.

3.4 RESPONSIBILITY FOR PERFORMANCE

3.4.1 Constructor understands and accepts full responsibility for all requirements and deliverables defined in this Agreement. Constructor warrants that it has read and agrees with the specifications contained in the Owner's Request for Proposal: Parking Access and Revenue Control System (PARCS) Replacement Project dated September 10, 2024 (Exhibit A) and Constructor's Response to the Owner's Request for Proposal: Parking Access and Revenue Control System (PARCS) Replacement Project, dated _____, 2024, attached as **Exhibit C** and agrees to inform the Owner of any unforeseen conditions which will materially affect performance of the work or Services within forty-five (45) days of the execution of this Agreement and will not proceed until written instructions are received from the Owner's Representative or Project Consultant.

3.4.2 Nothing in this section 3.4 shall relieve the Constructor of responsibility for its own errors, inconsistencies, and omissions.

3.5 CONSTRUCTION PERSONNEL AND SUPERVISION

3.5.1 The Constructor shall provide competent supervision for the performance of the Work. Before commencing the Work, the Constructor shall notify the Project Consultant and Owner's Representative in writing of the name and qualifications of its proposed Constructor's Project Manager so the Project Consultant and Owner's Representative may review the individual's qualifications. If, for reasonable cause, the Project Consultant and/or Owner's Representative refuses to approve the individual or withdraws its approval after once giving it, the Constructor shall name a different Constructor's Project Manager for the Owner's review. Any disapproved Constructor Project Manager shall not perform in that capacity thereafter at the Worksite.

3.5.2 The Constructor shall be responsible to the Owner for acts or omissions of parties or entities performing portions of the Work for or on behalf of the Constructor or any of its Subcontractors.

3.5.3 The Constructor shall permit only qualified persons to perform the Work. The Constructor shall enforce safety procedures, strict discipline, and good order among persons performing the Work. If the Owner determines that a particular person does not follow safety procedures, or is unfit or unskilled for the assigned Work, the Constructor shall immediately reassign the person upon receipt of the Owner's written notice to do so.

3.5.4 CONSTRUCTOR'S PROJECT MANAGER The Constructor's authorized Project Manager is _____. The Constructor's Project Manager shall possess full authority to receive instructions from the Owner directly or through Owner's Project Consultant and to act on those instructions. If the Constructor changes the Constructor's Project Manager or his/her authority, the Constructor shall immediately notify the Project Consultant and Owner's Representative in writing.

SAMPLE

3.6 WORKMANSHIP The Work shall be executed in accordance with the Contract Documents in a workmanlike manner. All materials used in the Work shall be furnished in sufficient quantities to facilitate the proper and expeditious execution of the Work and shall be new except such materials as may be expressly provided in the Contract Documents to be otherwise.

3.7 MATERIALS FURNISHED BY THE OWNER OR OTHERS If the Work includes installation of materials or equipment furnished by the Owner or Others, it shall be the responsibility of the Constructor to examine the items so provided and thereupon handle, store, and install the items, unless otherwise provided in the Contract Documents, with such skill and care as to provide a satisfactory and proper installation. Loss or damage due to acts or omissions of the Constructor shall be the responsibility of the Constructor and may be deducted from any amounts due or to become due the Constructor. Any defects discovered in such materials or equipment shall be reported at once to the Project Consultant. Following receipt of written notice from the Constructor of defects, the Project Consultant shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.

3.8 TESTS AND INSPECTIONS

3.8.1 Constructor shall schedule all required tests, approvals, and inspections of the Work or portions thereof at appropriate times so as not to delay the progress of the Work or other work related to the Project. The Constructor shall give proper notice to all required parties of such tests, approvals, and inspections. If feasible Project Consultant, Owner's Representative and Others may timely observe the tests at the normal place of testing. Unless otherwise required by the Contract Documents, required certificates of testing, approval, or inspection shall be secured by the Constructor and promptly delivered to the Project Consultant, with copies to the Owner's Representative.

3.8.2 If the Owner or appropriate authorities determine that tests, inspections, or approvals in addition to those required by the Contract Documents will be necessary, the Constructor shall arrange for the procedures and give timely notice to the Owner and Others who may observe the procedures. Costs of the additional tests, inspections, or approvals are at the Owner's expense except as provided in subsection 3.8.3.

3.8.3 If the procedures described in the two subsections above indicate that portions of the Work fail to comply with the Contract Documents due to negligence of the Constructor, the Constructor shall be responsible for costs of correction and retesting.

3.9 WARRANTY

3.9.1 The Constructor warrants that all materials and equipment shall be new unless otherwise specified, of good quality, in conformance with the Contract Documents, and free from defective workmanship and materials. At the Owner's request, the Constructor shall furnish satisfactory evidence of the quality and type of materials and equipment furnished. The Constructor further warrants that the Work shall be free from material defects not intrinsic in the design or materials required in the Contract Documents. The Constructor's warranty does not include remedies for defects or damages caused by normal wear and tear during normal usage, use for a purpose for which the Project was not intended, improper or insufficient maintenance (except where such maintenance is required by the Constructor as part of the Work), modifications performed by the Owner or Others, or abuse.

3.9.1.1 The Constructor's warranty shall commence upon the successful completion of the OCT and receipt of acknowledgement of formal system acceptance. Refer to Section 1.11 of the Functional Specifications for complete Warranty Requirements.

SAMPLE

3.9.2 To the extent products, equipment, systems or materials incorporated in the Work are specified and purchased by the Owner, they shall be covered exclusively by the warranty of the manufacturer. There are no warranties which extend beyond the description on the face of any such warranty.

3.9.3 The Constructor shall obtain from its Subcontractors and Material Suppliers any special or extended warranties required by the Contract Documents. All such warranties shall be listed in an attached exhibit to this Agreement. After that period, the Constructor shall provide reasonable assistance to the Owner in enforcing the obligations of Subcontractors or Material Suppliers for such extended warranties.

3.10 CORRECTION OF WORK WITHIN WARRANTY PERIOD

3.10.1 If, during the warranty period, any Defective Work is found, Owner shall promptly notify Constructor in writing. Unless Owner provides written acceptance of the condition, Constructor shall promptly correct the Defective Work at its own cost and time and bear the expense of additional services required for correction of any Defective Work for which it is responsible. If within the warranty period Owner discovers and does not promptly notify Constructor or give Constructor an opportunity to test or correct Defective Work as reasonably requested by Constructor, Owner waives Constructor’s obligation to correct that Defective Work as well as Owner's right to claim a breach of the warranty with respect to that Defective Work.

3.10.2 The warranty periods shall not be extended by corrective work performed by Constructor.

3.10.3 If Constructor fails to correct Defective Work within a reasonable time after receipt of written notice from Owner prior to final payment, Owner may correct it in accordance with Owner's right to carry out the Work. In such case, an appropriate Change Order shall be issued deducting the cost of correcting such deficiencies from payments then or thereafter due Constructor. If payments then or thereafter due Constructor are not sufficient to cover such amounts, Constructor shall pay the difference to Owner.

3.10.4 If Constructor's correction or removal of Defective Work causes damage to or destroys other completed or partially completed Work or existing buildings, Constructor shall be responsible for the cost of correcting the destroyed or damaged property.

3.10.5 Prior to final payment, at Owner's option and with Constructor's agreement, Owner may elect to accept Defective Work rather than require its removal and correction. In such case the Contract Price shall be equitably adjusted for any diminution in the value of the Project caused by such Defective Work.

3.11 CORRECTION OF COVERED WORK

3.11.1 On request of the Project Consultant, Work that has been covered without a requirement that it be inspected prior to being covered may be uncovered for the Project Consultant’s and, if desired the Owner's inspection. The Owner shall pay for the costs of uncovering and replacement if the Work proves to be in conformance with the Contract Documents, or if the defective condition was caused by the Owner or Others. If the uncovered Work proves to be defective, the Constructor shall pay the costs of uncovering and replacement.

3.11.2 If, contrary to specific requirements in the Contract Documents or contrary to a specific request from the Project Consultant or Owner, a portion of the Work is covered, the Project Consultant or Owner, by written request, may require the Constructor to uncover the Work for the Project Consultant’s and, if desired the Owner's observation. In this circumstance, the Work shall be replaced at the Constructor's expense and with no adjustment to the Contract Time.

SAMPLE

3.12 SAFETY OF PERSONS AND PROPERTY

3.12.1 SAFETY PRECAUTIONS AND PROGRAMS The Constructor shall have overall responsibility for safety precautions and programs in the performance of the Work. However, such obligation does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work or for compliance with Laws.

3.12.2 The Constructor shall seek to avoid injury, loss, or damage to persons or property by taking reasonable steps to protect: (a) its employees and other persons at the Worksite; (b) materials and equipment stored at onsite or offsite locations for use in the Work; and (c) property located at the Worksite and adjacent to Work areas, whether or not the property is part of the Worksite.

3.12.3 CONSTRUCTOR'S SAFETY REPRESENTATIVE The Constructor's Worksite safety representative is _____, who shall act as the Constructor's Worksite safety representative with a duty to prevent accidents. If no individual is identified in this subsection, the Constructor's safety representative shall be the Constructor's Project Manager. The Constructor shall report promptly in writing to the Project Consultant, with a copy to the Owner's Representative, all recordable accidents and injuries occurring at the Worksite. When the Constructor is required to file an accident report with a public authority, the Constructor shall furnish a copy of the report to the Project Consultant and Owner's Representative.

3.12.4 The Constructor shall provide the Project Consultant and Owner's Representative with copies of all notices required of the Constructor by law or regulation. The Constructor's safety program shall comply with the requirements of governmental and quasi-governmental authorities having jurisdiction.

3.12.5 Damage or loss not insured under property insurance which may arise from the Work, to the extent caused by the negligent acts or omissions of the Constructor, or anyone for whose acts the Constructor may be liable, shall be promptly remedied by the Constructor.

3.12.6 If the Project Consultant deems any part of the Work or Worksite unsafe, the Project Consultant, without assuming responsibility for the Constructor's safety program, may require the Constructor to stop performance of the Work or take corrective measures satisfactory to the Project Consultant, or both. If the Constructor does not adopt corrective measures, the Owner may perform them and deduct their cost from the Contract Price. The Constructor agrees to make no claim for damages, for an increase in the Contract Price or for a change in the Contract Time based on the Constructor's compliance with the Project Consultant's or Owner's reasonable request.

3.13 EMERGENCIES In an emergency affecting the safety of persons or property, the Constructor shall act in a reasonable manner to prevent threatened damage, injury, or loss. If appropriate, an equitable adjustment in the Contract Price or Contract Time resulting from the actions of the Constructor in an emergency situation shall be determined as provided for in ARTICLE 8.

3.14 HAZARDOUS MATERIALS

3.14.1 A Hazardous Material is any substance or material identified now or in the future as hazardous under Laws, or any other substance or material that may be considered hazardous or otherwise subject to statutory or regulatory requirement governing handling, disposal, or cleanup. The Constructor shall not be obligated to commence or continue work until any Hazardous Material discovered at the Worksite has been removed, rendered, or determined to be harmless by the Owner as certified by an independent testing laboratory and approved by the appropriate governmental agency.

SAMPLE

3.14.2 If after commencing the Work, Hazardous Material is discovered at the Worksite, the Constructor shall be entitled to immediately stop Work in the affected area. The Constructor shall promptly report the condition to the Project Consultant and Owner's Representative and, if required, the governmental agency with jurisdiction.

3.14.3 The Constructor shall not be required to perform any Work relating to or in the area of Hazardous Material without written mutual agreement.

3.14.4 The Owner shall be responsible for retaining an independent testing laboratory to determine the nature of the material encountered and whether the material requires corrective measures or remedial action. Such measures shall be the sole responsibility of the Owner, and shall be performed in a manner minimizing any adverse effect upon the Work. The Constructor shall resume Work in the area affected by any Hazardous Material only upon written agreement between the Parties after the Hazardous Material has been removed or rendered harmless and only after approval, if necessary, of the governmental agency with jurisdiction.

3.14.5 If the Constructor incurs additional costs or is delayed due to the presence or remediation of Hazardous Material, the Constructor shall be entitled to an equitable adjustment in the Contract Price or the Contract Time.

3.14.6 To the extent permitted by section 6.10 and to the extent not caused by the negligent acts or omissions of the Constructor, its Subcontractors and Subsubcontractors, and the agents, officers, directors, and employees of each of them, the Owner shall defend, indemnify, and hold harmless the Constructor, its Subcontractors and Subsubcontractors, and the agents, officers, directors, and employees of each of them, from and against all claims, damages, losses, costs, and expenses, including but not limited to reasonable attorneys' fees, costs, and expenses incurred in connection with any dispute resolution process, arising out of or relating to the performance of the Work in any area affected by Hazardous Material.

3.14.7 MATERIALS BROUGHT TO THE WORKSITE

3.14.7.1 Safety Data Sheets (SDS) as required by law and pertaining to materials or substances used or consumed in the performance of the Work, whether obtained by the Constructor, Subcontractors, the Owner, or Others, shall be maintained at the Worksite by the Constructor and made available to the Project Consultant, Subcontractors, and Others.

3.14.7.2 The Constructor shall be responsible for the proper delivery, handling, application, storage, removal, and disposal of all materials and substances brought to the Worksite by the Constructor, its Subcontractors, or both, in accordance with the Contract Documents and used or consumed in the performance of the Work.

3.14.7.3 To the extent caused by the negligent acts or omissions of the Constructor, its agents, officers, directors, and employees, the Constructor shall indemnify and hold harmless the Owner, its agents, officers, directors, and employees, from and against any and all claims, damages, losses, costs, and expenses, including but not limited to attorneys' fees, costs, and expenses incurred in connection with any dispute resolution procedure, arising out of or relating to the delivery, handling, application, storage, removal, and disposal of all materials and substances brought to the Worksite by the Constructor, its Subcontractors, or both, in accordance with the Contract Documents.

3.14.7.4 This section 3.14.7 shall survive the completion of the Work or any termination of this Agreement.

3.15 SUBMITTALS

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3.15.1 The Constructor shall submit to the Project Consultant all designs, shop drawings, samples, product data, and similar submittals required by the Contract Documents for review and approval. The Constructor shall be responsible for the accuracy and conformity of its submittals to the Contract Documents. At no additional cost, the Constructor shall prepare and deliver its submittals in a manner consistent with the Schedule of the Work and in such time and sequence so as not to delay the performance of the Work or the work of the Owner and Others. Constructor submittals shall identify in writing for each submittal all changes, deviations, or substitutions from the requirements of the Contract Documents. The approval of any Constructor submittal shall not be deemed to authorize changes, deviations or substitutions from the requirements of the Contract Documents unless express written approval is obtained from the Project Consultant specifically authorizing such deviation, substitution or change. To the extent a change, deviation or substitution causes an impact to the Contract Price or Contract Time, such approval shall be promptly memorialized in a Change Order. Neither the Project Consultant nor Owner shall make any change, deviation or substitution through the submittal process without specifically identifying and authorizing such deviation to the Constructor.

3.15.2 The Constructor agrees upon request to submit in a timely fashion to the Project Consultant , with copies to the Owner's Representative, for review any designs, shop drawings, samples, product data, manufacturers' literature or similar submittals as may reasonably be required by the Project Consultant.

3.15.3 The Constructor shall perform all Work strictly in accordance with approved submittals. Approval of shop drawings is not an authorization to perform changed work, unless the procedures of ARTICLE 8 are followed. Approval does not relieve the Constructor from responsibility for Defective Work resulting from errors or omissions on the approved shop drawings.

3.15.4 No substitutions shall be made in the Work unless permitted in the Contract Documents and then only after the Constructor obtains approvals required under the Contract Documents for substitutions. All such substitutions shall be promptly memorialized in a Change Order no later than seven (7) Days following approval by the Owner to provide for an adjustment in the Contract Price or Contract Time.

3.15.5 As-Built Documents: The Constructor shall maintain at the Worksite for the Owner one (1) copy of each of the Drawings and Specifications, Addenda, Change Orders, and other modifications, in good order and marked to indicate field changes and selections made during construction; and one (1) copy or sample of approved shop Drawings, Product Data, Samples, and similar required submittals.

3.15.5.1 General: Retain copy of each submittal made and each Addenda, Change Order, and Contract amendment issued affecting Contract Documents during the Construction Period for Project As-Built Document purposes. Post changes and modifications to Project As-Built Documents as they occur; do not wait until the end of the Project.

3.15.5.2 Maintenance of As-Built Documents: Store Project As-Built Documents in the field apart from the Contract Documents used for construction. Do not use Project As-Built Documents for construction purposes. Maintain Project As-Built Documents in good order and in clean, dry, legible condition, protected from deterioration and loss. Provide access to Project As-Built Documents for Project Consultant's reference during normal working hours.

(a) Project Consultant shall evaluate As-Built Drawings for document condition, order, legibility, accuracy and completeness. Project Consultant shall notify

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Constructor of acceptance or request revisions or replacements and resubmittal. Constructor shall supply acceptable As-Built Drawings within seven (7) Days and prior to Final Payment for the Project.

(b) Project Consultant shall be responsible for creating digital Record Drawings incorporating the mark-ups on the As-Built Drawings submitted by the Constructor. Project Consultant will issue digital Record Drawings to the Constructor and Owner within fourteen (14) Days following Final Payment and distribute a minimum of one (1) copy each of Record Drawings to Owner, Project Consultant and Constructor.

3.15.5.3 As Built Specifications and Record Specifications: Maintain at the Worksite for the Owner a copy of Contract Documents for purposes of annotating where the actual product installation varies from that indicated. Submit the annotated portions of the Contract Documents to Project Consultant prior to requesting a Substantial Completion Inspection. Project Consultant may request corrections from the Constructor to make the submittal more legible and complete. Project Consultant shall be responsible for maintaining its own records on variations in product installations, assembling Record Specifications for the Project in a digital format and for distributing them to the Owner and Constructor at the conclusion of the Project. In preparing the Record Specifications, Project Consultant shall:

(a) Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.

(b) Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.

(c) Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.

(d) Note related Change Orders and Record Drawings where applicable.

3.16 WORKSITE CONDITIONS

3.16.1 WORKSITE VISIT The Constructor acknowledges that it has visited, or has had the opportunity to visit, the Worksite to visually inspect the general and local conditions which could affect the Work.

3.16.2 CONCEALED OR UNKNOWN SITE CONDITIONS If the conditions encountered at the Worksite are (a) subsurface or other physical conditions materially different from those indicated in the Contract Documents, or (b) unusual and unknown physical conditions materially different from conditions ordinarily encountered and generally recognized as inherent in Work provided for in the Contract Documents, the Constructor shall stop affected Work after the condition is first observed and give prompt written notice of the condition to the Project Consultant. The Constructor shall not be required to perform any Work relating to the unknown condition without the written mutual agreement of the Parties. Any change in the Contract Price or the Contract Time as a result of the unknown condition shall be determined as provided in ARTICLE 8.

3.17 PERMITS AND TAXES

3.17.1 The Constructor shall give public authorities all notices required by law and shall obtain and pay for all necessary permits, licenses, and renewals pertaining to the Work. The Constructor shall

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provide to Project Consultant and the Owner's Representative copies of all notices, permits, licenses, and renewals required under this Agreement.

3.17.2 The Constructor shall pay all applicable taxes enacted when bids are received or negotiations concluded for the Work provided by the Constructor.

3.17.3 If, in accordance with the Owner's direction, the Constructor claims an exemption for taxes, the Owner shall indemnify and hold the Constructor harmless from any liability, penalty, interest, fine, tax assessment, attorneys' fees, or other expense or cost incurred by the Constructor as a result of any such action.

3.18 CUTTING, FITTING, AND PATCHING

3.18.1 The Constructor shall perform cutting, fitting and patching necessary to coordinate the various parts of the Work and to prepare its Work for the work of the Owner or Others.

3.18.2 Cutting, patching or altering the work of the Owner or Others shall be done with the prior written approval of the Owner. Such approval shall not be unreasonably withheld.

3.19 CLEANING UP

3.19.1 The Constructor shall regularly remove debris and waste materials at the Worksite resulting from the Work. Prior to discontinuing Work in an area each day, the Constructor shall clean the area and remove all rubbish and its construction equipment, tools, machinery, waste, and surplus materials. The Constructor shall minimize and confine dust and debris resulting from construction activities. At the completion of the Work, the Constructor shall remove from the Worksite all construction equipment, tools, surplus materials, waste materials, and debris.

3.19.2 If the Constructor fails to commence compliance with cleanup duties within two (2) Business Days after written notification from the Project Consultant of non-compliance, the Project Consultant may implement appropriate cleanup measures without further notice and shall deduct the reasonable costs from any amounts due or to become due the Constructor in the next payment period.

3.20 ACCESS TO WORK The Constructor shall facilitate the access of the Project Consultant, Owner, and Others to Work in progress.

3.21 COMPLIANCE WITH LAWS The Constructor shall comply with all Laws at its own costs. The Constructor shall be liable to the Owner for all loss, cost, or expense attributable to any acts or omissions by the Constructor, its employees, subcontractors, and agents for failure to comply with Laws, including fines, penalties, or corrective measures. However, liability under this section shall not apply if notice to the Project Consultant was given, and advance approval by appropriate authorities, including the Owner, is received.

3.21.1 The Contract Price or Contract Time shall be equitably adjusted by Change Order for additional costs resulting from any changes in Laws, including increased taxes, which were not reasonably anticipated and then enacted after the date of this Agreement.

3.22 CONFIDENTIALITY Unless compelled by law, (including Idaho's Public Records Act, Idaho Code § 74-101 through § 74-126), a governmental agency or authority, an order of a court of competent jurisdiction, or a validly issued subpoena, the Constructor shall treat as confidential and not disclose to third-persons, except Subcontractors, Subsubcontractors, and Material Suppliers as is necessary for the performance of the Work, or use for its own benefit, any of the Owner's confidential information, know-how, discoveries, production methods, and the like that may be disclosed to the Constructor or which the

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Constructor may acquire in connection with the Work. The Owner shall treat as confidential information, all of the Constructor's developments, confidential information, know-how, discoveries, production methods, and the like, including any proprietary software, and estimating systems and historical and parameter cost data that may be disclosed to the Owner in connection with the performance of this Agreement. The Owner and the Constructor shall each specify those items to be treated as confidential and shall mark them as "Confidential." In the event of a legal compulsion or other order seeking disclosure of any Confidential Information, the Constructor or Owner, as the case may be, shall promptly notify the other Party to permit that Party's legal objection, if necessary.

3.23 MECHANICS AND CONSTRUCTION LIEN INFORMATION Constructor acknowledges Owner is a public entity, that any property owned by Owner is considered public property, and that liens on public property are not enforceable. Constructor agrees that it shall not file any liens against property owned or controlled by Owner which is a part of the Worksite (the "Property"). Subject to Owner's payment of the compensation in accordance with the terms of this Agreement, Constructor will promptly discharge all liens, if any, filed against the Property by Constructor's subcontractors, suppliers and materialmen, and agents and persons employed by any of such persons.

ARTICLE 4 OWNER'S RESPONSIBILITIES

4.1 INFORMATION AND SERVICES Any information or services to be provided by Owner shall be fulfilled with reasonable detail and in a timely manner.

4.2 WORKSITE INFORMATION To the extent the Owner has obtained, or is required elsewhere in the Contract Documents to obtain, the following Worksite information, the Owner shall provide at the Owner's expense and with reasonable promptness:

4.2.1 (Not used).

4.2.2 (Not Used)

4.2.3 Information or services requested in writing by the Constructor which are required for the Constructor's performance of the Work and under the Owner's control.

4.3 OWNER'S CUTTING AND PATCHING Cutting, patching, or altering the Work by the Owner or Others shall be done with the prior written approval of the Constructor, which approval shall not be unreasonably withheld.

4.4 OWNER'S RIGHT TO CLEAN UP In case of a dispute between the Constructor and Others with regard to respective responsibilities for cleaning up at the Worksite, the Owner may implement appropriate cleanup measures after two (2) Business Days' notice and allocate the cost among those responsible during the following pay period.

4.5 COST OF CORRECTING DAMAGED OR DESTROYED WORK With regard to damage or loss attributable to the acts or omissions of the Owner or Others and not to the Constructor, the Owner may either (1) promptly remedy the damage or loss or (2) accept the damage or loss. If the Constructor incurs additional costs or is delayed due to such loss or damage, the Constructor shall be entitled to an equitable adjustment in the Contract Price or Contract Time.

ARTICLE 5 SUBCONTRACTS

5.1 SUBCONTRACTORS The Work not performed by the Constructor with its own forces shall be performed by Subcontractors.

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5.1.1 Subcontractors providing work for the disciplines of electrical, plumbing or HVAC, or public works construction (site civil) over $50,000 must hold a valid Public Works Contractor license pursuant to Idaho Code § 54-1902.

5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK Promptly after the award of this Agreement, the Constructor shall provide the Project Consultant and Owner's Representative with a written list of the proposed Subcontractors and significant Material suppliers.

5.3 MANAGEMENT OF SUBCONTRACTORS Constructor shall be responsible for the management of the Subcontractors in the performance of their work.

5.4 BINDING OF SUBCONTRACTORS AND MATERIAL SUPPLIERS The Constructor agrees to bind every Subcontractor and Material Supplier (and require every Subcontractor to so bind its subcontractors and material suppliers) to all the provisions of this Agreement and the Contract Documents as they apply to the Subcontractor's or Material Supplier's portions of the Work.

5.5 CONTINGENT ASSIGNMENT OF SUBCONTRACTS

5.5.1 If this Agreement is terminated, each subcontract and supply agreement shall be assigned by the Constructor to the Owner, subject to the prior rights of any surety, provided that:

5.5.1.1 this Agreement is terminated by the Owner pursuant to sections 11.3 or 11.4; and

5.5.1.2 the Owner accepts such assignment after termination by notifying the Subcontractor and Constructor in writing, and assumes all rights and obligations of the Constructor pursuant to each subcontract agreement.

5.5.2 If the Owner accepts such an assignment, and the Work has been suspended for more than thirty (30) consecutive Days, following termination, if appropriate, the Subcontractor's compensation shall be equitably adjusted as a result of the suspension.

ARTICLE 6 TIME

6.1 DATE OF COMMENCEMENT The Constructor shall not commence the Work until it receives a written notice to proceed from the Owner. The notice to proceed shall identify the Date of Commencement.

6.2 SUBSTANTIAL/FINAL COMPLETION Substantial Completion of the Work shall be achieved in THREE HUNDRED FIVE (305) DAYS from the Date of Commencement. Final Completion of the Work shall be achieved in THREE HUNDRED SIXTY-FIVE (365) DAYS from the Date of Commencement. Unless otherwise specified in the Certificate of Substantial Completion, the Constructor shall achieve Final Completion within SIXTY (60) Days after the date of Substantial Completion. The deadlines for Substantial and Final Completion are subject to adjustments as provided for in the Contract Documents.

For the PARCS project, all LAT must be completed in accordance with the Functional Specifications prior to the Certificate of Substantial Completion being issued.

6.3 Time is of the essence for this Agreement and the Contract Documents.

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6.4 Unless instructed by the Owner in writing, the Constructor shall not knowingly commence the Work before the effective date of insurance and bonds to be provided by the Constructor or the Owner as required by the Contract Documents.

6.5 A change in Contract Time shall be a change in either the date of Substantial Completion or the date of Final Completion. Changes in Contract Time shall be authorized by a Change Order in accordance with Article 8.

6.6 SCHEDULE OF THE WORK

6.6.1 Before submitting the first application for payment and prior to beginning any work, the Constructor shall submit to the Project Consultant and Owner's Representative for approval a Schedule of the Work showing the dates on which the Constructor plans to commence and complete various parts of the Work, including dates on which information and approvals are required from the Project Consultant. The Constructor shall comply with the approved Schedule of the Work, unless directed by the Project Consultant to do otherwise or the Constructor is otherwise entitled to an adjustment in the Contract Time. The Constructor shall update the Schedule of the Work on a monthly basis or at appropriate intervals as required by the conditions of the Work and the Project.

6.7 DELAYS AND EXTENSIONS OF TIME

6.7.1 If the Constructor is delayed at any time in the commencement or progress of the Work by any cause beyond the control of the Constructor, the Constructor shall be entitled to an equitable extension of the Contract Time. Examples of causes beyond the control of the Constructor include, but are not limited to, the following: (a) acts or omissions of Project Consultant, Owner or Others; (b) changes in the Work or the sequencing of the Work ordered by the Project Consultant or Owner, or arising from decisions of the Project Consultant or Owner that impact the time of performance of the Work; (c) encountering Hazardous Materials, or concealed or unknown conditions; (d) delay authorized by the Project Consultant or Owner pending dispute resolution or suspension by the Owner under section 11.1; (e) transportation delays not reasonably foreseeable; (f) labor disputes not involving the Constructor; (g) general labor disputes impacting the Project but not specifically related to the Worksite; (h) fire; (i) Terrorism; (j) epidemics; (k) adverse governmental actions; (l) unavoidable accidents or circumstances; (m) adverse weather conditions not reasonably anticipated. The Constructor shall submit any requests for equitable extensions of Contract Time in accordance with the provisions of ARTICLE 8.

6.7.2 In addition, if the Constructor incurs additional costs as a result of a delay that is caused by items (a) through (m) immediately above, the Constructor shall be entitled to an equitable adjustment in the Contract Price subject to section 6.10.

6.7.3 NOTICE OF DELAYS If delays to the Work are encountered for any reason, the Constructor shall provide prompt written notice to the Project Consultant with a copy to the Owner's Representative of the cause of such delays after the Constructor first recognizes the delay. The Owner and the Constructor agree to take reasonable steps to mitigate the effect of such delays.

6.8 NOTICE OF DELAY CLAIMS If the Constructor requests an equitable extension of the Contract Time or an equitable adjustment in the Contract Price as a result of a delay described in the section above, the Constructor shall give the Owner written notice of the claim in accordance with section 8.4. If the Constructor causes delay in the completion of the Work, the Owner shall be entitled to recover its additional costs subject to section 6.10. The Owner shall process any such claim against the Constructor in accordance with ARTICLE 8.

6.9 LIQUIDATED DAMAGES

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6.9.1.1 SUBSTANTIAL COMPLETION The Owner and the Constructor agree that this Agreement shall provide for the imposition of liquidated damages based on the Date of Substantial Completion.

6.9.1.2 The Constructor understands that if the Date of Substantial Completion established by this Agreement, as may be amended by subsequent Change Order, is not attained, the Owner will suffer damages which are difficult to determine and accurately specify. The Constructor agrees that if the Date of Substantial Completion is not attained, the Constructor shall pay the Owner FIVE HUNDRED DOLLARS ($500.00) as liquidated damages and not as a penalty for each Day that Substantial Completion extends beyond the Date of Substantial Completion. The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties, and any other damages of whatsoever nature incurred by the Owner which are occasioned by any delay in achieving the Date of Substantial Completion.

6.9.2 FINAL COMPLETION The Owner and the Constructor agree that this Agreement shall provide for the imposition of liquidated damages based on the Date of Final Completion.

6.9.2.1 The Constructor understands that if the Date of Final Completion established by this Agreement, as may be amended by subsequent Change Order, is not attained, the Owner will suffer damages which are difficult to determine and accurately specify. The Constructor agrees that if the Date of Final Completion is not attained, the Constructor shall pay the Owner FIVE HUNDRED DOLLARS ($500.00) as liquidated damages and not as a penalty for each Day that Final Completion extends beyond the Date of Final Completion. The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties, and any other damages of whatsoever nature incurred by the Owner which are occasioned by any delay in achieving the Date of Final Completion.

6.9.3 OTHER LIQUIDATED DAMAGES The Owner requires that each of the Parking Facilities remain operational and accessible by garage customers during the hours of **7:00am to 6:00pm (Monday through Friday, excluding holidays)** during the course of the Work. The Constructor understands that if a garage is not accessible by customers and/or customer revenue cannot be correctly processed during these timeframes, the Owner will suffer damages which vary by facility, as outlined below. The Constructor agrees that if the Work causes a garage to not be operational and open to customer use during the specified times, the Constructor shall pay the Owner the liquidated damages set forth below:

- Capitol & Main: $200/hour
- 9th & Front: $160/hour
- 9th & Main: $100/hour
- Capitol & Myrtle: $80/hour
- 10th & Front: $60/hour
- 11th & Front: $30/hour

6.9.3.2 The Owner and the Constructor may agree upon the imposition of liquidated damages based on other project milestones or performance requirements. Such agreement shall be included as an exhibit to this Agreement.

6.10 LIMITED MUTUAL WAIVER OF CONSEQUENTIAL DAMAGES Except for damages mutually agreed upon by the Parties as liquidated damages in subsections 6.9 and excluding losses covered by insurance required by the Contract Documents, the Owner and the Constructor agree to waive all claims against each other for any consequential damages that may arise out of or relate to this Agreement, except for those specific items of damages excluded from this waiver as mutually agreed upon by the

SAMPLE

Parties and identified below. The Owner agrees to waive damages, including but not limited to the Owner's rental expenses incurred, loss of financing related to the Project, as well as the loss of financing not related to this Project, loss of reputation, or insolvency. The Constructor agrees to waive damages, including but not limited to loss of business, loss of financing, loss of profits not related to this Project, loss of bonding capacity, loss of reputation, or insolvency. The provisions of this section shall also apply to the termination of this Agreement and shall survive such termination.

6.10.1 (Not Used)

6.10.2 The Owner and the Constructor shall require similar waivers in contracts with Subcontractors and Others retained for the Project or all other losses not already covered by this contract, there shall be a limit to the CONSTRUCTOR's Liability for consequential damages to a maximum of $100,000. This includes, but is not limited to the loss of revenue, profit or business as a result of Owner's ability to fully enjoy the use of a Parking Garage or Parking Garages.

6.10.3 For all other losses not already covered under this contract, there shall be a limit to the CONSTRUCTOR's Liability for consequential damages to a maximum of $100,000. This includes, but is not limited to the loss of revenue, profit or business as a result of the Owner's inability to fully enjoy the use of a Parking Garage or Parking Garages.

ARTICLE 7 PRICE

7.1 NOT TO EXCEED As full compensation for performance by the Constructor of the Work in conformance with the Contract Documents, the Owner shall pay the Constructor the not-to-exceed price of **DOLLAR AMOUNT IN WORDS** (**$000,000**). The not-to-exceed price is hereinafter referred to as the Contract Price, which shall be subject to increase or decrease as provided in ARTICLE 8.

ARTICLE 8 CHANGES

Changes in the Work that are within the general scope of this Agreement shall be accomplished, without invalidating this Agreement, by Change Order and Interim Directed Change.

8.1 CHANGE ORDER

8.1.1 The Constructor may request or the Owner may order, at any time before completion of the Project, changes in the Work or the timing or sequencing of the Work that impacts the Contract Price or the Contract Time. All such changes in the Work that affect Contract Time or Contract Price shall be formalized in a Change Order. All terms and conditions of the original contract shall become a part of each Change Order.

8.1.1.1 Owner-Initiated Proposal Requests: Before any change is made or work done, the Owner will issue a detailed written description of proposed changes in the Work. Proposal requests issued by the Owner are for information only. The Constructor shall not consider them instructions either to stop Work in progress or to execute the proposed change. Promptly after receipt of such instructions, the Constructor shall submit to the Owner within ten (10) days a proposal with a detailed estimate showing the cost of the proposed change in the Work, including a detailed breakdown of costs for the additional work as well as the credit for the original Work, and a revised schedule showing the extension of time, if any. The revised schedule showing any time extension shall be submitted in writing under separate cover and approved by Owner. The Owner shall promptly notify the Constructor in writing whether the estimate is acceptable and, if it is, in writing authorize the change to be

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made or Work to be done. The Owner reserves the right to reject any such proposal and to have the work done by others.

8.1.1.2 Constructor-Initiated Proposals: If the Constructor contends that it has encountered conditions, changes, or occurrences entitling it to a change in the Contract or an adjustment in the contract schedule or price, the Constructor shall propose changes by submitting a written request for a change to the Owner. The proposal shall include a statement outlining reasons for the change and the effect of the change on the Work, the effect of the proposed change on the Contract Sum including a detailed breakdown of costs for the additional work as well as the credit for the original Work, list of quantities of products required or eliminated, applicable taxes, delivery charges, equipment rental, and amounts of trade discounts and a revised schedule showing any time extension. The proposal shall be submitted to the Owner within ten (10) days of the discovery of the condition, changes, or occurrences for review and approval. Except in an emergency, the proposal shall be given before proceeding with the Work. The failure of the Constructor to provide the written proposal as provided herein within such time period shall constitute a waiver by the Constructor of any claim for compensation or time extension, notwithstanding any purposed knowledge or lack of prejudice of the Owner. This written proposal requirement may not be waived, except explicitly and in writing by the Owner.

8.1.2 NO OBLIGATION TO PERFORM The Constructor shall not be obligated to perform changes in the Work that impact Contract Price or Contract Time until a Change Order has been executed or a written Interim Directed Change has been issued.

8.2 INTERIM DIRECTED CHANGE

8.2.1 The Owner may issue a written Interim Directed Change directing a change in the Work prior to reaching agreement with the Constructor on the adjustment, if any, in the Contract Price or the Contract Time. The Constructor shall proceed with the change in the Work when indicated in writing by Owner, for subsequent inclusion in a Change Order.

8.2.2 The Owner and the Constructor shall negotiate expeditiously and in good faith for appropriate adjustments, as applicable, to the Contract Price or the Contract Time arising out of an Interim Directed Change. As the changed Work is performed, the Constructor shall submit its costs for such Work with its application for payment beginning with the next application for payment within thirty (30) Days of the issuance of the Interim Directed Change. If there is a dispute as to the cost to the Owner, the Owner shall pay the Constructor fifty percent (50%) of its estimated cost to perform such Work. In such event, the Parties reserve their rights as to the disputed amount, subject to the requirements of ARTICLE 12.

8.2.3

8.2.4 When the Owner and the Constructor agree upon the adjustment in the Contract Price or the Contract Time, for a change in the Work directed by an Interim Directed Change, such agreement shall be the subject of a Change Order. The Change Order shall include all outstanding Interim Directed Changes on which the Owner and Constructor have reached agreement on Contract Price or Contract Time issued since the last Change Order.

8.3 DETERMINATION OF COST OR CREDIT

8.3.1 An increase or decrease in the Contract Price or the Contract Time resulting from a change in the Work shall be determined by one or more of the following methods:

8.3.1.1 Unit prices set forth in this Agreement or as subsequently agreed;

8.3.1.2 A mutually accepted, itemized lump sum;

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8.3.2 “Cost of the Work” shall include the following costs necessary and reasonably incurred by Constructor to perform a change in the Work. For Constructor self-performed Changes in the Work, Change Order markup costs for Constructor are limited to 10% for Overhead and profit on direct costs of the Constructor. For Subcontractor performed Work, any Change Order markup costs for Constructor are limited to 5% for Overhead and profit on direct costs of the Constructor and any markup costs for Subcontractors are limited to 10% for Overhead and profit on direct costs of the Subcontractors.

8.3.2.1 Wages paid for labor in the direct employ of the Constructor in the performance of the Work.

8.3.2.2 Salaries of the Constructor's employees when stationed at the field office or branch office to the extent necessary to complete the applicable Work and employees engaged on the road expediting the production or transportation of material and equipment;

8.3.2.3 Cost of applicable employee benefits and taxes, including but not limited to, workers' compensation, unemployment compensation, social security, health, welfare, retirement and other fringe benefits as required by law, labor agreements, or paid under the Constructor's standard personnel policy, insofar as such costs are paid to employees of the Constructor who are included in the Cost of the Work in subsections .1 and .2 immediately above;

8.3.2.4 Reasonable transportation, travel, and hotel expenses of the Constructor's personnel incurred in connection with the Work;

8.3.2.5 Cost of all materials, supplies, and equipment incorporated in the Work, including costs of inspection and testing if not provided by the Owner, transportation, storage, and handling.

8.3.2.6 Payments made by the Constructor to Subcontractors for Work performed under this Agreement;

8.3.2.7 Cost, including transportation and maintenance of all materials, supplies, equipment, temporary facilities, and hand tools not owned by the workers that are used or consumed in the performance of the Work, less salvage value or residual value; and cost less salvage value of such items used, but not consumed that remain the property of the Constructor;

8.3.2.8 Rental charges of all necessary machinery and equipment, exclusive of hand tools owned by workers, used at the Worksite, whether rented from the Constructor or Others, including installation, repair and replacement, dismantling, removal, maintenance, transportation, and delivery costs. Rental from unrelated third parties shall be reimbursed at actual cost. Rentals from the Constructor or its affiliates, subsidiaries, or related parties shall be reimbursed at the prevailing rates in the locality of the Worksite up to eighty-five percent (85%) of the value of the piece of equipment;

8.3.2.9 Cost of the premiums for all insurance and surety bonds which the Constructor is required to procure or deems necessary, and approved by the Owner including any additional premium incurred as a result of any increase in the cost of the Work;

8.3.2.10 Sales, use, gross receipts or other taxes, tariffs, or duties related to the Work for which the Constructor is liable;

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8.3.2.11 Permits, fees, licenses, tests, and royalties;

8.3.2.12 Reproduction costs, photographs, facsimile transmissions, long-distance telephone calls, data processing costs and services, postage, express delivery charges, data transmission, telephone service, and computer-related costs at the Worksite to the extent such items are used and consumed in the performance of the Work or are not capable of use after completion of the Work;

8.3.2.13 All water, power, and fuel costs necessary for the Work;

8.3.2.14 Cost of removal of all nonhazardous substances, debris, and waste materials;

8.3.2.15 All costs directly incurred to perform a change in the Work which are reasonably inferable from the Contract Documents for the Changed Work.

8.3.3 DISCOUNTS All discounts for prompt payment shall accrue to the Owner. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment, shall be credited to the Cost of the Work.

8.3.4 COST REPORTING The Constructor shall maintain in conformance with generally accepted accounting principles a complete and current set of records that are prepared or used by the Constructor to calculate the Cost of Work. The Owner shall be afforded access to the Constructor's records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to requested payment for Cost of the Work. The Constructor shall preserve all such records for a period of three (3) years after the final payment or longer where required by law.

8.3.5 COST AND SCHEDULE ESTIMATES The Constructor shall use reasonable skill and judgment in the preparation of a cost estimate or schedule for a change to the Work, but does not warrant or guarantee their accuracy.

8.3.6 If an increase or decrease in the Contract Price or Contract Time cannot be agreed to as set forth in subsection 8.3.1, and the Owner issues an Interim Directed Change, the cost of the change in the Work shall be determined by the reasonable actual expense incurred and savings realized in the performance of the Work resulting from the change. If there is a net increase in the Contract Price, the Constructor's Overhead and profit shall be adjusted accordingly. In case of a net decrease in the Contract Price, the Constructor's Overhead and profit shall not be adjusted unless ten percent (10%) or more of the Project is deleted. The Constructor shall maintain a documented, itemized accounting evidencing the expenses and savings.

8.3.7 UNIT PRICES If unit prices are set forth in the Contract Documents or are subsequently agreed to by the Parties, but the character or quantity of such unit items as originally contemplated is so different in a proposed Change Order that the original unit prices will cause substantial inequity to the Owner or the Constructor, such unit prices shall be equitably adjusted.

8.3.8 If the Owner and the Constructor disagree as to whether work required by the Owner is within the scope of the Work, the Constructor shall furnish the Owner with an estimate of the costs to perform the disputed work in accordance with the Owner's interpretations. If the Owner issues a written order for the Constructor to proceed, the Constructor shall perform the disputed work and the Owner shall pay the Constructor fifty percent (50%) of its estimated cost to perform the work. In such event, both Parties reserve their rights as to whether the work was within the scope of the Work, subject to the requirements of ARTICLE 12. The Owner's payment does not prejudice its right to be reimbursed should it be determined that the disputed work was within the scope of the Work. The Constructor's receipt of payment for the disputed work does not prejudice its right to

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receive full payment for the disputed work should it be determined that the disputed work is not within the scope of the Work.

8.4 CLAIMS FOR ADDITIONAL COST OR TIME

8.4.1 Suspension of Work: Constructor shall not proceed with work which would alter, cover, damage or destroy evidence in support of Constructor's Claim. If Constructor proceeds to perform Work, with or without notice to Project Consultant, that alters, covers, damages or destroys evidence in support of Constructor's Claim, Constructor is indicating by proceeding its acceptance and agreement that the work performed does not add to the Contract Sum or Contract Time.

8.4.2 Action on Change Order: Project Consultant shall review the Claim and shall forward recommendations to Owner regarding the Claim within five (5) business days. Negotiation of changes to the Contract Sum and/or Contract Time between the Owner and Constructor shall follow the procedures set forth in the Contract Documents.

8.4.3 Owner Project Consultant shall respond in writing approving or denying the Constructor's claim no later than fourteen (14) Days after receipt of the Constructor's claim. Owner's failure to so respond shall be deemed a denial of the claim. Any change in the Contract Price or the Contract Time resulting from such claim shall be authorized by Change Order.

8.5 INCIDENTAL CHANGES The Project Consultant may direct the Constructor to perform incidental changes in the Work, upon concurrence with the Constructor that such changes do not involve adjustments in the Contract Price or Contract Time. Incidental changes shall be consistent with the scope and intent of the Contract Documents. The Project Consultant shall initiate an incidental change in the Work by issuing a written order to the Constructor. Such written notice shall be carried out promptly and is binding on the Parties.

ARTICLE 9 PAYMENT

9.1 SCHEDULE OF VALUES In accordance with Section 01 10 00 "Schedule of Values" in **Exhibit B** to this Agreement the Constructor shall prepare and submit the initial format for the Schedule of Values to the Project Consultant and Owner's Representative for approval. The Schedule of Values shall include a breakdown of the Contract Price by Parking Garage, with separate line items for items such as mobilization, site preparation, transport, PARCS equipment, other materials, utilities, telecommunication lines for each Garage. The initial format for format of the Schedule of Values shall be acceptable to the Owner's Project Manager and Owner's Representative.

9.2 PAYMENT SCHEDULE Progress Payments shall be made by Owner to Constructor pursuant to the Milestone Payment Plan identified in **Exhibit C**.

9.3 APPLICATIONS FOR PAYMENT

9.3.1 PROGRESS PAYMENTS All payments are based upon Owner's acceptance of the Constructor's performance as evidenced by the Constructor's successful completion of all of the deliverables set forth for each milestone event identified in the Milestone Payment Plan.

9.3.2 Constructor shall submit an Application for Progress Payment on the first business day following written notice of Owner's acceptance that the conditions stated in the Milestone Payment Plan for the step related to the Application for Payment have been achieved.

9.3.3 FORMAT FOR PROGRESS PAYMENT APPLICATIONS Each application for Progress Payment shall clearly identify and group the charges related to each Parking Garage. Each Garage

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shall be identified by its name. Payment applications shall list the equipment installed and construction tasks accomplished for each Parking Garage using a Schedule of Values.

9.3.4 TRANSMITTAL Submit one signed and notarized original copy of each Application for Progress Payment to Owner's Representative by a method ensuring receipt within 24 hours. Include waivers of lien and similar attachments if required.

9.3.5 WAIVERS OF MECHNIC'S LIEN With each Application for Payment, submit waivers of mechanic's lien from Constructor, subcontractors, material suppliers or others providing goods or services on the Project and related to the Work covered by the payment.

9.3.6 Within five (5) Business Days after receipt of each monthly application for payment, Owner's Project Consultant shall review the application for payment and forward it to Owner with the Project Consultant's recommendation as to payment. Owner shall give written notice to Constructor of Owner's acceptance or rejection, in whole or in part, of such application for payment within five (5) Business Days. Within thirty (30) Days after accepting such Application, Owner shall pay directly to Constructor the appropriate amount for which application for payment is made, less amounts previously paid by Owner. If such application is rejected in whole or in part, Owner shall indicate the reasons for its rejection. If Owner and Constructor cannot agree on a revised amount, then, within thirty (30) Days after its initial rejection in part of such application, Owner shall pay directly to Constructor the appropriate amount for those items not rejected by Owner for which application for payment is made, less amounts previously paid by Owner. Those items rejected by Owner shall be due and payable when the reasons for the rejection have been removed.

9.3.7 STORED MATERIALS AND EQUIPMENT Unless otherwise provided in the Contract Documents, applications for payment may include materials and equipment not yet incorporated into the Work but delivered to and suitably stored onsite or offsite including applicable insurance, storage, and costs incurred in transporting the materials to an offsite storage facility. Approval of payment applications for stored materials and equipment stored offsite shall be conditioned on a submission by the Constructor of bills of sale and proof of required insurance, or such other documentation satisfactory to the Owner to establish the proper valuation of the stored materials and equipment, the Owner's title to such materials and equipment, and to otherwise protect the Owner's interests therein, including transportation to the Worksite.

9.3.8 RETAINAGE From each progress payment made prior to Substantial Completion, the Owner may retain FIVE percent (5%) of the amount otherwise due after deduction of any amounts as provided in section 9.4, and in no event shall such percentage exceed any applicable statutory requirements. If the Owner chooses to use this retainage provision:

9.3.8.1 the Owner may, in its sole discretion, reduce the amount to be retained at any time;

9.3.8.2 the Owner may release retainage on that portion of the Work a Subcontractor has completed in whole or in part, and which the Owner has accepted. In lieu of retainage, the Constructor may furnish a retention bond or other security interest acceptable to the Owner, to be held by the Owner.

9.4 ADJUSTMENT OF CONSTRUCTOR'S PAYMENT APPLICATION The Owner may adjust or reject a payment application or nullify a previously approved payment application, in whole or in part, as may reasonably be necessary to protect the Owner from loss or damage based upon the following, to the extent that the Constructor is responsible under this Agreement:

9.4.1 the Constructor's repeated failure to perform the Work as required by the Contract Documents;

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9.4.2 Except as accepted by the insurer providing builders risk or other property insurance covering the project, loss or damage arising out of or relating to this Agreement and caused by the Constructor to the Owner or to Others to whom the Owner may be liable;

9.4.3 the Constructor's failure to properly pay Subcontractors and Material Suppliers following receipt of such payment from the Owner;

9.4.4 rejected, nonconforming or Defective Work not corrected in a timely fashion;

9.4.5 reasonable evidence of delay in performance of the Work such that the Work will not be completed within the Contract Time;

9.4.6 reasonable evidence demonstrating that the unpaid balance of the Contract Price is insufficient to fund the cost to complete the Work; and

9.4.7 uninsured third-party claims involving the Constructor, or reasonable evidence demonstrating that third-party claims are likely to be filed unless and until the Constructor furnishes the Owner with adequate security in the form of a surety bond, letter of credit, or other collateral or commitment sufficient to discharge such claims if established.

No later than seven (7) Days after receipt of an application for payment, the Project Consultant shall give written notice to the Constructor, at the time of disapproving or nullifying all or part of an application for payment, stating its specific reasons for such disapproval or nullification, and the remedial actions to be taken by the Constructor in order to receive payment. When the above reasons for disapproving or nullifying an application for payment are removed, payment will be promptly made for the amount previously withheld.

9.5 ACCEPTANCE OF WORK Neither the Owner's payment of progress payments nor its partial or full use or occupancy of the Project constitutes acceptance of Work not complying with the Contract Documents.

9.6 PAYMENT DELAY If for any reason not the fault of the Constructor, the Constructor does not receive a progress payment from the Owner within seven (7) Days after the time such payment is due, then the Constructor, upon giving seven (7) Days' written notice to the Owner, and without prejudice to and in addition to any other legal remedies, may stop Work until payment of the full amount owing to the Constructor has been received. Interest shall not accrue on any unpaid amounts. The Contract Price and Contract Time shall be equitably adjusted by a Change Order for reasonable cost and delay resulting from shutdown, delay and start-up.

9.7 SUBSTANTIAL COMPLETION

9.7.1 CLOSEOUT PROCEDURES The Constructor shall comply with the requirements stated in Division 01 Section 01 77 00 CLOSEOUT PROCEDURES, in conjunction with Constructor’s compliance with the requirements in sections 9.7 and 9.8.

9.7.2 The Constructor shall notify the Project Consultant and, if directed, the Owner, when it considers Substantial Completion of the Work or a designated portion to have been achieved. The Project Consultant and Owner’s Representative shall promptly conduct an inspection to determine whether the Work or designated portion can be occupied or used for its intended use by the Owner without excessive interference in completing any remaining unfinished Work. If the Project Consultant determines that the Work or designated portion has not reached Substantial Completion, the Project Consultant shall promptly compile a list of items (“Punch List”) to be completed or corrected so the Owner may occupy or use the Work or designated portion for its

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intended use. The Constructor shall promptly complete all items on the Punch List and the list compiled by the Project Consultant.

9.7.3 When Substantial Completion of the Work or a designated portion is achieved, the Owner shall prepare a Certificate of Substantial Completion establishing the date of Substantial Completion and the respective responsibilities of the Owner and Constructor for interim items such as security, maintenance, utilities, insurance, and damage to the Work. In the absence of a clear delineation of responsibilities, the Owner shall assume all responsibilities for items such as security, maintenance, utilities, insurance, and damage to the Work. The Certificate of Substantial Completion shall also list any items to be completed or corrected, and establish the time for their completion or correction. The Certificate of Substantial Completion shall be submitted first to the Project Consultant for written concurrence that Substantial Completion has been achieved and then to the Constructor for written acceptance of responsibilities assigned in the Certificate of Substantial Completion. The Certificate of Substantial Completion with signatures from the Project Consultant and the Constructor shall be submitted to the Owner for Owner's signature indicating Owner's acceptance of responsibilities assigned to the Owner in the Certificate of Substantial Completion and approval of the Certificate. A copy of the signed Certificate of Substantial Completion shall be provided to the Constructor.

9.7.4 Unless otherwise provided in the Certificate of Substantial Completion, warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or a designated portion.

9.7.5 Upon the Owner's written acceptance and issuance of the Certificate of Substantial Completion, the Owner shall pay to the Constructor the remaining retainage held by the Owner for the Work described in the Certificate of Substantial Completion, less a sum equal to two hundred percent (200%) of the estimated cost of completing or correcting remaining items on that part of the Work, as agreed to by the Owner and Constructor as necessary to achieve Final Completion. Uncompleted items shall be completed by the Constructor in a mutually agreed upon timeframe. The Owner shall pay the Constructor monthly the amount retained for unfinished items as each item is completed.

9.8 PARTIAL OCCUPANCY OR USE

9.8.1 The Owner may occupy or use completed or partially completed portions of the Work when: (a) the portion of the Work is designated in a Certificate of Substantial Completion; (b) appropriate insurer(s) consent to the occupancy or use; and (c) appropriate public authorities authorize the occupancy or use. Such partial occupancy or use shall constitute Substantial Completion of that portion of the Work.

9.8.2 OWNER OCCUPANCY DURING THE WORK; USE OF INSTALLED PARCS EQUIPMENT

9.8.3 Owner requires that the Parking Facilities remain fully operational during normal business hours for each Garage during the course of the Work, and that the Owner and Parking Operator have continuous access to the Parking Facilities. Constructor may request temporary entrance and exit lanes closures as long as one entrance and one exit for each Garage remain functional during the Garage's normal business hours, and that at least one exit route and exit lane is always available for any vehicles parked in the Garage . Constructor may request that access and revenue control functions be converted from automated to manual operation on a temporary basis when existing PARCS equipment is being removed and new PARCS equipment is being installed and activated. Constructor shall minimize the length of time that manual operation is required. Manual operation shall not exceed 24 hours unless otherwise approved by Owner. Constructor shall

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submit requests for temporary entrance and exit lane closures and conversion to manual operations to the Parking Operator one (1) week prior to when such measures are needed, and shall coordinate with the Parking Operator to implement these measures. Parking Operator shall assume responsibility for the staffing and equipment required to operate a Garage manually.

9.8.4 PARCS equipment installed in a Garage may be put into immediate service for testing purposes. Owner desires to minimize the time period between testing and availability for normal operations. Constructor and the Parking Operator shall reach a mutual agreement on the length of time between testing and availability for normal operations, but in no event shall this period exceed 24 hours unless otherwise approved by Owner.

9.9 FINAL COMPLETION AND FINAL PAYMENT

9.9.1 CLOSEOUT PROCEDURES The Constructor shall comply with the requirements in Division 01 Section 01 77 00 CLOSEOUT PROCEDURES, in conjunction with Constructor's compliance with the requirements in this section.

9.9.2 INSPECTION Upon notification from the Constructor that the Work is complete and ready for final inspection and acceptance, the Project Consultant and Owner's Representative shall promptly conduct an inspection to determine if the Work has been completed and is acceptable under the Contract Documents.

9.9.3 If the Project Consultant and Owner's Representative determine that the Project has attained Final Completion, the Project Consultant shall request the following submissions from the Constructor:

(a) an affidavit declaring any indebtedness connected with the Work, *e g* payrolls or invoices for materials or equipment, to have been paid, satisfied, or to be paid with the proceeds of final payment, so as not to encumber the Owner's property;

(b) as-built drawings and specifications, manuals, copies of warranties, and all other close-out documents required by the Contract Documents;

(c) release of any liens, conditioned on final payment being received;

(d) consent of any surety;

(e) any outstanding known and unreported accidents or injuries experienced by the Constructor or its Subcontractors at the Worksite; and

(f) any other submissions required by Section 01 77 00 CLOSEOUT PROCEDURES.

9.9.4 When Final Completion has been achieved, the Constructor shall prepare for the Owner's written acceptance a final application for payment stating that to the best of the Constructor's knowledge, and based on the Owner's inspections, the Work has reached Final Completion in accordance with the Contract Documents.

9.9.5 Upon receipt of a final application for payment and Constructor's satisfactory completion of closeout procedures stated in sections 9.6 and 9.8, the Project Consultant shall prepare a Certificate of Final Completion establishing the date of Final Completion. Upon signature by the Project Consultant, the Certificate of Final Completion shall be submitted to the Constructor for

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signature. The Certificate of Final Completion with signatures from the Project Consultant and the Constructor shall be returned to the Owner for Owner's signature indicating Owner's approval of the Certificate of Final Completion. A copy of the signed Certification of Final Completion shall be provided to the Constructor. The Project Consultant's signature on the Final Completion Certificate shall signify the following: (a) Final Completion has been achieved; (b) Project has been inspected and complies with the requirements of the Contract Documents; and (c) Constructor has submitted all required closeout submittals and completed all required closeout procedures.

9.9.6 Final payment of the balance of the Contract Price shall be made to the Constructor within thirty (30) Days after the Constructor has submitted a complete and accurate application for final payment, has satisfactorily completed the requirements as set forth in sections 9.6 and 9.8 above, and a Certificate of Final Completion has been executed by the Owner and the Constructor.

9.9.7 If, after Substantial Completion of the Work, the Final Completion of a portion of the Work is materially delayed through no fault of the Constructor, the Owner shall pay the balance due for portion(s) of the Work fully completed and accepted. If the remaining contract balance for Work not fully completed and accepted is less than the retained amount prior to payment, the Constructor shall submit to the Project Consultant the written consent of any surety to payment of the balance due for portions of the Work that are fully completed and accepted. Such payment shall not constitute a waiver of claims, but otherwise shall be governed by these final payment provisions.

9.9.8 OWNER RESERVATION OF CLAIMS Claims not reserved in writing by the Owner with the making of final payment shall be waived except for claims relating to liens or similar encumbrances, warranties, Defective Work, and latent defects.

9.9.9 ACCEPTANCE OF FINAL PAYMENT Unless the Constructor provides written identification of unsettled claims with an application for final payment, its acceptance of final payment constitutes a waiver of such claims.

9.10 LATE PAYMENT Payments due but unpaid shall bear interest from the date payment is due at the rate allowed by the State of Idaho.

ARTICLE 10 INDEMNITY, INSURANCE, AND BONDS

10.1 INDEMNITY

10.1.1 To the fullest extent permitted by law, the Constructor shall indemnify and hold harmless the Owner, the Owner's officers, directors, members, consultants, agents, and employees, and employees and Others (the Indemnitees) from all claims for bodily injury and property damage, other than to the Work itself and other property insured, including reasonable attorneys' fees, costs and expenses, that may arise from the performance of the Work, but only to the extent caused by the negligent or intentional acts or omissions of the Constructor, Subcontractors, or anyone employed directly or indirectly by any of them or by anyone for whose acts any of them may be liable. The Constructor shall be entitled to reimbursement of any defense costs paid above the Constructor's percentage of liability for the underlying claim to the extent provided for by the subsection 10.1.2 below.

10.1.2 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Constructor, its officers, directors, members, consultants, agents, and employees, Subcontractors, or anyone employed directly or indirectly by any of them or anyone for whose acts any of them may be liable from all claims for bodily injury and property damage, other than property insured, including reasonable attorneys' fees, costs and expenses, that may arise from the performance of work by the Owner, Owner's Representative, the Project Consultant, and Others, but only to the

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extent caused by the negligent acts or omissions of the Owner, Owner's Representative, the Project Consultant, or Others. The Owner shall be entitled to reimbursement of any defense costs paid above the Owner's percentage of liability for the underlying claim to the extent provided for by the subsection 10.1.1 above.

10.1.3 NO LIMITATION ON LIABILITY In any and all claims against the Indemnitees by any employee of the Constructor, anyone directly or indirectly employed by the Constructor or anyone for whose acts the Constructor may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Constructor under workers' compensation acts, disability benefit acts, or other employment benefit acts.

10.2 INSURANCE

10.2.1 Before commencing the Work and as a condition precedent to payment, the Constructor shall procure and maintain in force the coverages listed below. Coverage must be primary and noncontributing with respect to any other insurance maintained by Owner and must include a waiver of subrogation by the insurers in favor of Owner. All insurance required by the contract must be acquired and maintained from an insurance company or companies licensed in the State of Idaho with no less than an "A-" rating by A.M. Best.

Workers' Compensation Insurance and Employer's Liability Insurance as required by Idaho law.

a. Workers' Compensation Coverage: Statutory Requirements
b. Employers Liability Limits not less than:
    - Bodily Injury by Accident: $500,000 Each Accident
    - Bodily Injury by Disease: $500,000 Each Employee
    - Bodily Injury by Disease: $500,000 Policy Limit
c. Waiver of Subrogation

Commercial General Liability: including Premises-Operations, Independent Contractors, Products/Completed Operation, Broad Form Property Damage, Contractual Liability (including Liability for Employee Injury assumed under a Contract), and Personal Injury Coverage

a. Occurrence Form with the following limits:
    - General Aggregate: $2,000,000
    - Products/Completed Operations Aggregate: $2,000,000
    - Each Occurrence: $1,000,000
    - Personal and Advertising Injury: $1,000,000
    - Fire Damage (any one fire): $ 50,000
    - Medical Expense (any one person): $ 5,000
b. General Aggregate must apply on a Per Location Basis.
c. OWNER must be named additional insured
d. Insurance must be Primary and Non-Contributory
e. Waiver of Subrogation

Automobile Liability: (Note: if no owned vehicles, show at least hired and non-owned coverage)

a. Coverage to include:
    - All Owned, Hired and Non-Owned Vehicle
    - Contractual Liability Coverage (including Liability for Employee Injury assumed under a Contract)
b. Per Accident Combined Single Limit: $1,000,000
c. Owner must be named additional insured.

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Excess/Umbrella Liability Insurance: with a minimum acceptable limit of coverage of $5,000,000 per occurrence and aggregate. Such coverage shall be excess of the general liability insurance, business auto liability insurance, and employers liability as required by this contract. Coverage must be follow form.

Professional (E&O) Liability Insurance: with minimum acceptable limits of $5,000,000 per claim and aggregate. Claims-made is acceptable.

Cyber Liability Insurance: including 3rd party privacy, with minimum limits of $5,000,000. Owner must be named as additional insured. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by Constructor in this Agreement and shall include, but not be limited to, claims involving security breach, system failure, data recovery, business interruption, cyber extortion, social engineering fraud, funds transfer fraud, infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, and alteration of electronic information. The policy shall provide coverage for breach response costs, regulatory fines and penalties as well as credit monitoring expenses.

Installation Floater: In effect at all times during the scope of this project in an amount equal to the value of this project.

Crime Insurance: including coverage for Employee Theft of Client Property, with minimum limits of $1,000,000. Owner must be added as a Loss Payee.

Deductibles or Self-Insured Retentions: Constructor is responsible to pay any and all deductibles and/or self-insured retentions that may apply to the required insurance.

10.2.2 The CGL insurance policy shall name Owner as Additional Insured and shall protect its officers, agents and employees from and against claims for bodily injury, property damage, personal injury and advertising injury that shall be no less comprehensive and no more restrictive than the coverage provided by Insurance Services Office (ISO) form for Commercial General (CG 00 01 04 13).

10.2.3 To the extent commercially available to the Constructor from its current insurance company, insurance policies required under the Contract shall contain a provision that the insurance company or its designee must give the Owner written notice transmitted in paper or electronic format: (a) 30 Days before coverage is non-renewed by the insurance company and (b) within 10 Business Days after cancelation of coverage by the insurance company.

10.2.4 Prior to commencing the Work and upon renewal or replacement of the insurance policies, the Constructor shall furnish the Owner with certificates of insurance until two years after Substantial Completion or longer if required by the Contract. In addition, if any insurance policy required under the Contract is not to be immediately replaced without lapse in coverage when it expires, exhausts its limits, or is to be cancelled, the Constructor shall give Owner prompt written notice upon actual or constructive knowledge of such condition.

10.2.5 Waiver of Rights of Recovery and Waiver of Rights of Subrogation:

a. Constructor waives all rights of recovery against Owner and all additional Insureds for loss or damage covered by any of the insurance maintained by Constructor pursuant to this Contract.
b. Constructor and its respective insurance carriers hereby waive all rights of subrogation against Owner and all additional insureds for loss or damage covered by any of the insurance maintained by Constructor pursuant to this contract.

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c. If any of the policies of insurance required under this Contract require an endorsement to provide for the waiver of subrogation set forth in (b) above, then the named insureds of such policies will cause them to be endorsed.

10.2.6 The amount of insurance provided in the aforementioned insurance coverages shall not be construed to be a limitation of the liability on the part of the Constructor.

10.2.7 Any type of insurance or any increase in limits of liability not described above which OWNER requires for its own protection or on account of statue shall be its own responsibility and at its own expense.

10.2.8 Prior to the commencement of work or use of premises, Constructor shall file Certificates of Insurance with Owner, which shall be subject to Owner's approval of adequacy of protection and the satisfactory character of the insurer. The Certificates of Insurance should be mailed within five days of receipt of these insurance requirements to Capitol City Development Corporation, 121 North 9th Street, Suite 501, Boise, Idaho 83702, regardless of when your work will start. Project description must be shown on the Certificate of Insurance.

10.2.9 None of the requirements contained herein as to the types, limits, or Owner's approval of insurance coverage to be maintained by Constructor are intended to and shall not in any manner, limit, qualify, or quantify the liabilities and obligations assumed by Constructor under the Contract Documents, any other agreement with Owner, or otherwise provided by law.

10.2.10 Constructor may include all subcontractors as insureds under the Constructor's policies in lieu of separate policies by each subcontractor.

10.2.11 Failure of Constructor to provide insurance as herein required or failure of Owner to require evidence of insurance or to notify Constructor of any breach by Constructor of the requirements of this Section shall not be deemed to be a waiver of any of the terms of the Contract Documents, nor shall they be deemed to be a waiver of the obligation of Constructor to defend, indemnify, and hold harmless the indemnified parties as required herein. The obligation to procure and maintain any insurance required is a separate responsibility of Constructor and independent of the duty to furnish a copy or certificate of such insurance policies.

10.3 BONDS

10.3.1 Payment and Performance Bonds are required of the Constructor. Such bonds shall be issued by a surety admitted in the state of Idaho, payable to Owner, and must be acceptable to the Owner to be valid. The Owner's acceptance shall not be withheld without a reasonable cause.

10.3.2 The penal sum of the bonds shall each be one hundred percent (100%) of the original Contract Price. Any increase in the Contract Price that exceeds ten percent (10%) in the aggregate shall require a rider to the Bonds increasing penal sums accordingly. Up to such ten percent (10%) amount, the penal sum of the bond shall remain equal to one hundred percent (100%) of the Contract Price.

10.3.3 The Constructor shall endeavor to keep its surety advised of changes potentially impacting the Contract Price and Contract Time, though the Constructor shall require that its surety waives any requirement to be notified of any alteration or extension of time within the scope of the initial Agreement.

10.3.4 The performance bond shall include coverage in favor of Owner for correction of Defective Work by the Constructor for two years following Substantial Completion of the Work.

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ARTICLE 11 SUSPENSION, NOTICE TO CURE, AND TERMINATION

11.1 SUSPENSION BY OWNER FOR CONVENIENCE

11.1.1 OWNER SUSPENSION Should the Project Consultant and/or Owner order the Constructor in writing to suspend, delay, or interrupt the performance of the Work for the convenience of the Owner and not due to any act or omission of the Constructor or any person or entity for whose acts or omissions the Constructor may be liable, then the Constructor shall immediately suspend, delay or interrupt that portion of the Work for the time period ordered by the Project Consultant and/or Owner. Constructor shall take the actions necessary (or that the Owner may direct) for the protection and preservation of the Work and strive to minimize any further costs. Any suspension will be for such period of time as the Owner may determine, but in no event more than 14 consecutive days or 30 cumulative days, without the written agreement of the Constructor. The Contract Price and the Contract Time shall be equitably adjusted by Change Order for the cost and delay resulting from any such suspension.

11.1.2 Any action taken by the Project Consultant and/or Owner that is permitted by any other provision of the Contract Documents and that result in a suspension of part or all of the Work does not constitute a suspension of Work under this section 11.1.

11.2 NOTICE TO CURE A DEFAULT If the Constructor persistently fails to supply enough qualified workers, proper materials, or equipment to maintain the approved Schedule of the Work, or fails to make prompt payment to its workers, Subcontractors, or Material Suppliers, disregards Laws or orders of any public authority having jurisdiction, or is otherwise guilty of a material breach of a provision of this Agreement, the Constructor may be deemed in default by Owner.

11.2.1 In the event of an emergency affecting the safety of persons or property, the Owner may immediately commence and continue satisfactory correction of such default without first giving written notice to the Constructor, but shall give prompt written notice of such action to the Constructor following commencement of the action.

11.3 OWNER'S RIGHT TO TERMINATE FOR DEFAULT

11.3.1 TERMINATION BY OWNER FOR DEFAULT If, within seven (7) Days of receipt of a notice to cure pursuant to section 11.2, the Constructor fails to commence and satisfactorily continue correction of the default set forth in the notice to cure, the Owner may notify the Constructor and, if applicable, the surety, that it intends to terminate this Agreement for default absent appropriate corrective action within seven (7) additional Days. After the expiration of the additional seven (7) Day period, the Owner may, subject to any prior rights of the surety: (a) terminate this Agreement by written notice; b.) exclude the Constructor from the site and take possession of the site and of all materials previously paid for by Owner; c.) accept assignment of subcontracts; and d.) finish the Work by a reasonable method the Owner may deem expedient. Upon written request of the Constructor, the Owner shall furnish to the Constructor an accounting of the costs incurred by the OWNER in finishing the Work. If the Owner terminates the Agreement for one of the reasons stated above, the Constructor shall not be entitled to receive further payment until the Work is finished. If the unpaid balance of the contract price exceeds costs of finishing the Work, including compensation for consultant services and expenses made necessary thereby, and other damages incurred by the Owner, such excess shall be paid to the Constructor. If such costs and damages exceed the unpaid balance, the constructor shall pay the difference to the Owner. The remedies in this Section are in addition to any other remedies at law or in equity available to Owner.

11.3.2 USE OF CONSTRUCTOR'S MATERIALS, SUPPLIES, AND EQUIPMENT If the Owner or Others perform work under this section 11.3, the Owner shall have the right to take and use any materials, supplies, and equipment belonging to the Constructor and located at the Worksite for the

SAMPLE

purpose of completing any remaining Work. Immediately upon completion of the Work, any remaining materials, supplies, or equipment not consumed or incorporated in the Work shall be returned to the Constructor in substantially the same condition as when they were taken, reasonable wear and tear excepted.

11.3.3 If the Constructor files a petition under the Bankruptcy Code, this Agreement shall terminate if the Constructor or the Constructor's trustee rejects the Agreement, or if there has been a default and the Constructor is unable to give adequate assurance that the Constructor will perform as required by this Agreement or otherwise is unable to comply with the requirements for assuming this Agreement under the applicable provisions of the Bankruptcy Code.

11.3.4 The Owner shall make reasonable efforts to mitigate damages arising from Constructor default, and shall promptly invoice the Constructor for all amounts due pursuant to sections 11.2 and 11.3.

11.3.5 If the Owner terminates this Agreement for default, and it is later determined that the Constructor was not in default, or that the default was excusable under the terms of the Contract Documents, then, in such event, the termination shall be deemed a termination for convenience, and the rights of the Parties shall be as set forth in section 11.4.

11.4 TERMINATION BY OWNER FOR CONVENIENCE

11.4.1 Upon written notice to the Constructor, the Owner may, without cause, terminate this Agreement. The Constructor shall immediately stop the Work, follow the Owner's instructions regarding shutdown and termination procedures, and strive to minimize any further costs.

11.4.2 If the Owner terminates this Agreement for Convenience, the Constructor shall be paid: (a) for the Work performed to date including Overhead and profit; and (b) for all demobilization costs and costs incurred as a result of the termination but not including Overhead or profit on Work not performed.

11.4.3 If the Owner terminates this Agreement, the Constructor shall:

11.4.3.1 Execute and deliver to the Owner all papers and take all action required to assign, transfer, and vest in the Owner the rights of the Constructor to all materials, supplies and equipment for which payment has been or will be made in accordance with the Contract Documents and all subcontracts, orders and commitments which have been made in accordance with the Contract Documents;

11.4.3.2 Exert reasonable effort to reduce to a minimum the Owner's liability for subcontracts, orders, and commitments that have not been fulfilled at the time of the termination;

11.4.3.3 Cancel any subcontracts, orders, and commitments as the Owner directs; and

11.4.3.4 Sell at prices approved by the Owner any materials, supplies, and equipment as the Owner directs, with all proceeds paid or credited to the Owner.

11.5 CONSTRUCTOR'S RIGHT TO TERMINATE

11.5.1 Upon seven (7) Days' written notice to the Owner, the Constructor may terminate this Agreement if the Work has been stopped for a thirty (30) Day period through no fault of the Constructor for any of the following reasons:

SAMPLE

11.5.1.1 under court order or order of other governmental authorities having jurisdiction;

11.5.1.2 as a result of the declaration of a national emergency or other governmental act during which, through no act or fault of the Constructor, materials are not available; or

11.5.1.3 suspension by the Owner for convenience pursuant to section 11.1

11.5.2 In addition, upon seven (7) Days' written notice to the Owner, the Constructor may terminate this Agreement if the Owner:

11.5.2.1 assigns this Agreement over the Constructor's reasonable objection; or

11.5.2.2 fails to pay the Constructor in accordance with this Agreement and the Constructor has complied with section 9.6; or

11.5.2.3 otherwise materially breaches this Agreement.

11.5.3 Upon termination by the Constructor in accordance with section 11.5, the Constructor shall be entitled to recover from the Owner payment for all Work executed and for any proven loss, cost, or expense in connection with the Work, including all demobilization costs plus reasonable Overhead and profit on Work not performed.

11.6 OBLIGATIONS ARISING BEFORE TERMINATION Even after termination, the provisions of this Agreement still apply to any Work performed, payments made, events occurring, costs charged or incurred or obligations arising before the termination date.

ARTICLE 12 DISPUTE MITIGATION AND RESOLUTION

12.1 WORK CONTINUANCE AND PAYMENT Unless otherwise agreed in writing, the Constructor shall continue the Work and maintain the Schedule of the Work during any dispute mitigation or resolution proceedings. If the Constructor continues to perform, the Owner shall continue to make payments in accordance with this Agreement.

12.2 DIRECT DISCUSSIONS In the event that a dispute arises between Owner and Constructor regarding application or interpretation of any provision of this Agreement, the aggrieved Party shall promptly notify the other Party to this Agreement of the dispute within ten (10) days after such dispute arises. If the Parties shall have failed to resolve the dispute within thirty (30) days after delivery of such notice, the Parties may first endeavor to settle the dispute in an amicable manner by mediation. If the Parties elect to mediate their dispute, the Parties will select a mediator by mutual agreement and agree to each pay half of the mediator's costs and fees. The mediation will take place in Boise, Idaho, unless otherwise agreed by the Parties in writing. Should the Parties be unable to resolve the dispute to their mutual satisfaction within thirty (30) days after such completion of mediation, each Party shall have the right to pursue any rights or remedies it may have at law or in equity. If the Parties do not mutually agree to mediate the dispute, either Party may pursue any rights or remedies it may have at law.

ARTICLE 13 MISCELLANEOUS

13.1 EXTENT OF AGREEMENT Except as expressly provided, this Agreement is for the exclusive benefit of the Parties, and not for the benefit of any third party. This Agreement represents the entire and integrated agreement between the Parties, and supersedes all prior negotiations, representations, or agreements, either written or oral.

SAMPLE

13.2 ASSIGNMENT Except as to the assignment of proceeds, the Parties shall not assign their interest in this Agreement without the written consent of the other. The terms and conditions of this Agreement shall be binding upon both Parties, their partners, successors, assigns, and legal representatives. Neither Party shall assign the Agreement as a whole without written consent of the other except that the Owner may assign the Agreement to a wholly owned subsidiary of the Owner when the Owner has fully indemnified the Constructor or to an institutional lender providing construction financing for the Project as long as the assignment is no less favorable to the Constructor than this Agreement. If such assignment occurs, the Constructor shall execute any consent reasonably required. In such event, the wholly owned subsidiary or lender shall assume the Owner's rights and obligations under the Contract Documents. If either Party attempts to make such an assignment, that Party shall nevertheless remain legally responsible for all obligations under this Agreement, unless otherwise agreed in writing by the other Party.

13.3 GOVERNING LAW This Agreement shall be governed by the laws of the State of Idaho.

13.4 SEVERABILITY The partial or complete invalidity of any one or more provisions of this Agreement shall not affect the validity or continuing force and effect of any other provision.

13.5 NO WAIVER OF PERFORMANCE The failure of either Party to insist, in any one or more instances, on the performance of any of the terms, covenants, or conditions of this Agreement, or to exercise any of its rights, shall not be construed as a waiver or relinquishment of such term, covenant, condition, or right with respect to further performance or any other term, covenant, condition, or right.

13.6 TITLES The titles given to the articles are for ease of reference only and shall not be relied upon or cited for any other purpose.

13.7 JOINT DRAFTING The Parties expressly agree that this Agreement was jointly drafted, and that both had opportunity to negotiate its terms and to obtain the assistance of counsel in reviewing its terms prior to execution. Therefore, this Agreement shall be construed neither against nor in favor of either Party, but shall be construed in a neutral manner.

13.8 RIGHTS AND REMEDIES The Parties' rights, liabilities, responsibilities and remedies with respect to this Agreement, whether in contract, tort, negligence or otherwise, shall be exclusively those expressly set forth in this Agreement.

13.9 ANTI-BOYCOTT AGAINST ISRAEL CERTIFICATION In accordance with Idaho Code Section 67-2346, Constructor, by entering into this Agreement, hereby certifies that it is not currently engaged in, or for the duration of this Agreement will not engage in, a boycott of goods or services from the State of Israel or territories under its control.

13.10 CERTIFICATION REGARDING GOVERNMENT OF CHINA. In accordance with Idaho Code Section 67-2359, Constructor, by entering into this Agreement, hereby certifies that it is not currently owned or operated by the government of China and will not, for the duration of the Agreement, be owned or operated by the government of China.

13.11 PROHIBITION ON CONTRACTS WITH COMPANIES BOYCOTTING CERTAIN SECTORS. In accordance with Idaho Code Section 67-2347A, effective July 1, 2024, CONSTRUCTOR by entering into this Agreement, hereby certifies that it is not currently engaged in, and will not for the duration of the contract engage in, a boycott of any individual or company because the individual or company: (a) engages in or supports the exploration, production, utilization, transportation, sale, or manufacture of fossil fuel-based energy, timber, minerals, hydroelectric power, nuclear energy, or agriculture; or (b) Engages in or supports the manufacture, distribution, sale, or use of firearms, as defined in section 18-3302(2)(d), Idaho Code. This section applies only to a contract that is between a public entity and a

SAMPLE

company with ten (10) or more fulltime employees and has a value of one hundred thousand dollars ($100,000) or more that is to be paid wholly or partly from public funds of the public entity.

ARTICLE 14 CONTRACT DOCUMENTS

14.1 EXISTING CONTRACT DOCUMENTS This Contract expressly incorporates the following documents, together with any amendments that may be agreed to in writing by both parties:

EXHIBIT A Request for Proposal issued by Owner on September 10, 2024
EXHIBIT B General Requirements (Division 01)

EXHIBIT C – Constructor's Response to the Request for Proposal for the Parking Access and Revenue Control System (PARCS) Replacement Project dated; _____

List of submittals included in the Constructors Response

14.2 INTERPRETATION OF CONTRACT DOCUMENTS

14.2.1 The drawings and specifications are complementary. If Work is shown only on one but not on the other, the Constructor shall perform the Work as though fully described on both, consistent with the Contract Documents and reasonably inferable from them.

14.2.2 In case of conflicts between the drawings and specifications, the specifications shall govern. In any case of omissions or errors in figures, drawings, or specifications, the Constructor shall immediately submit the matter to the Project Consultant for clarification. The Project Consultant shall confer with the Owner's Representative, and shall issue a clarification to the Constructor. Owner's clarifications are final and binding on all Parties, subject to an equitable adjustment in Contract Time or Contract Price or dispute mitigation and resolution.

14.2.3 Where figures are given, they shall be preferred to scaled dimensions.

14.2.4 Unless otherwise specifically defined in this Agreement, any terms that have well-known technical or trade meanings shall be interpreted in accordance with their well-known meanings.

14.2.5 ORDER OF PRECEDENCE In case of any inconsistency, conflict, or ambiguity among the Contract Documents, the documents shall govern in the following order: (a) Change Orders and written amendments to this Agreement; (b) this Agreement; (c) subject to subsection 14.2.2, the drawings (large scale governing over small scale), specifications, and addenda issued prior to the execution of this Agreement or signed by both Parties; (d) information furnished by the Owner pursuant to subsection 3.14.4 or designated as a Contract Document in section 14.1; (e) other documents listed in this Agreement. Among categories of documents having the same order of precedence, the term or provision that includes the latest date shall control. Information identified in one Contract Document and not identified in another shall not be considered a conflict or inconsistency.

End of Agreement | *Signatures appear on the ollowing page*

SAMPLE

IN WITNESS WHEREOF, OWNER AND CONSTRUCTOR have executed this Agreement with an effective date as first written above.

OWNER: Capital City Development Corporation

BY: _____
John Brunelle, Executive Director

Date: _____

Approved as to Form

_____
Mary Watson, General Counsel

CONSTRUCTOR: [insert company name]

BY: _____
[Insert name of person who can sign contract and Title]

Date: _____

END OF DOCUMENT

SAMPLE

Budget Info / For Office Use	
Fund / District	
Account	
Activity Code	
PO #	
Project Completion	
Contract Term	

EXHIBIT A

Request for Proposal Parking Access and Revenue Control System (PARCS) Replacement Project for ParkBOI Garages issued September 10, 2024

SAMPLE

EXHIBIT B

GENERAL REQUIREMENTS

Division 1: General Requirements

Section 01 10 00 – Summary (includes the following forms)

- Change Order Form
- Work Change Directive Form
- Owner Initiated Proposal Request Form
- Request for Information Form (RFI)
- Pay Application Form with Schedule of Values Form

Section 01 77 00 Closeout Procedures

SAMPLE

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract Documents, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents
3. Work restrictions.
4. Requests for Information (RFIs).
5. Schedule of values.
6. Applications for Payment.
7. Contract modifications.
8. Coordination with occupants and other parties affected by Construction.
9. General Requirements (Division 01) conventions.

B. Related Requirements:
1. Division 01 Section 017700 “Closeout Procedures” for Constructor requirements for contract closeout.

1.3 PROJECT INFORMATION

A. Project Identification: Parking Access and Revenue Control System Replacement Project (“Project”)

Work Area:

- 9th & Front Garage: 312 South 9th Street, Boise, Idaho.
- 9th & Main Garage: 848 West Main Street, Boise, Idaho
- 10th & Front Garage: 230 South 10th Street, Boise, Idaho
- 11 & Front Garage: 1101 West Front Street, Boise, Idaho
- Capitol & Main Garage: 770 West Main Street, Boise, Idaho
- Capitol & Myrtle Garage: 445 South Capitol Boulevard, Boise, Idaho

B. Owner: Capital City Development Corporation (CCDC).

1. Owner's Representative: Zach Piepmeyer, P.E., Parking & Mobility Director, 208-384-4264

C. Owner’s Project Consultant: Kimley-Horn and Associates, Inc.

D. Parking Operator: The Car Park, Inc.

SAMPLE

1. Contact: Eric Selekof, General Manager, The Car Park, Inc. – 208-368-7944, Ext 419.

1.4 WORK COVERED BY CONTRACT DOCUMENTS (PROJECT SCOPE OF WORK)

A. The Project Scope or Work is defined by the Contract Documents and consists of the following:

1. The Project will replace the existing PARCS at up to six (6) ParkBOI public parking structures in its entirety, including—but not limited to—all kiosks, gates, card readers, credit card processors, ticket printers, detection loops, pay-on-foot machine, pay-in-lane machine, intercoms, computer servers and the associated software. The Project includes all civil and electrical work to accommodate installation consistent with the requirements of the Contract Documents.
2. Testing and adjusting/tuning the operation of the PARCS equipment in each parking garage to determine if the installation meets the manufacturer's specifications and the specifications set forth in Contract Documents.
3. Providing training and training materials for operation of the PARCS equipment to the Parking Operator personnel.

B. Type of Contract:

1. Project will be constructed under the Standard Agreement and General Conditions between Owner and Constructor.

1.5 WORK RESTRICTIONS

A. Comply with limitations on use of public streets and sidewalks and with other requirements of authorities having jurisdiction.

B. On-Site Work Hours: No Restrictions on unrestricted days.

C. Restricted Days: Special events may arise during the construction period that will create work restrictions. Owner and Contractor will coordinate any work restrictions at that time.

D. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others.

E. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner's occupancy with Owner's Representative and Parking Operator. Notify Owner's Representative and appropriate parties no fewer than two (2) business days in advance of proposed disruptive operations.

F. Nonsmoking Building: Smoking is not permitted within the Parking Facilities or within 25 feet of entrances, operable windows, or outdoor-air intakes.

G. Controlled Substances: Use of tobacco products and other controlled substances on Worksites is not permitted.

1.6 REQUESTS FOR INFORMATION (RFIs)

A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Constructor shall prepare and submit an RFI to the Project Consultant, with a copy to Owner. All RFIs shall be submitted by Constructor.

SAMPLE

1. RFI Form: Constructor shall use the RFI Form provided at the end of this Section 011000, or an alternative form acceptable to the Project Consultant.
2. Project Consultant will return RFIs submitted to Project Consultant by any other entity whether controlled by Constructor or otherwise with no response.
3. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Constructor's work or work of subcontractors.

B. Project Consultant's Action: Project Consultant will review each RFI, determine action required, and respond. Allow three (3) business days for Project Consultant's response for each RFI. RFIs received by Project Consultant after 1:00 p.m. will be considered as received the following working day.

1. Project Consultant's action may include a request for additional information, in which case Project Consultant's time for response will date from time of receipt of additional information.
2. Project Consultant's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Constructor to submit Work Change Request. Refer to Contract requirements.

a. If Constructor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Project Consultant in writing within two (2) business days of receipt of the RFI response.

1.7 SCHEDULE OF VALUES

A. Coordination: Coordinate preparation of the schedule of values with preparation of Constructor's construction schedule.

1. Submit format proposed for the schedule of values to the Owner's Project Consultant and Owner's Representative for review and approval no later than the second Preconstruction Conference and prior to commencement of construction. Owner's Project Consultant shall respond either by approving, revising or disapproving the format within three (3) business days of receipt of request, or three (3) business days of receipt of additional information or documentation, whichever is later.

B. Format and Content:

1. Identification: Include the following Project identification on the schedule of values:

a. Parking Garage Name
b. Name of Constructor's Project Manager.
c. Constructor's project number, if applicable.
d. Constructor's name and address.
e. Date of submittal.

2. Arrange schedule of values consistent with format of AIA Documents G702 and G703 and acceptable to the Project Consultant.
3. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.
4. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
5. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

SAMPLE

6. Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

   a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Constructor's option.

7. Schedule Updating: Update and resubmit the schedule of values before the next Application for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

1.8 APPLICATIONS FOR PAYMENT

A. Refer to ARTICLE 9 in the Agreement. Use the Application for Payment form provided at the end of this Section 011000, which includes a schedule of values, or an alternative form acceptable to the Project Consultant. Applications for Payment shall include a schedule of values.

1.9 CONTRACT MODIFICATIONS

A. Minor changes in the Work: Project Consultant will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on Field Order Form with a copy to Owner.

B. Owner-Initiated Proposal Requests: Project Consultant will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum and/or Contract Time. If necessary, the description will include supplemental or revised Drawings and/or Specifications. Owner Initiated Proposal Request will be issued along with a completed form to describe the proposed change to the Work that requires pricing. Project Consultant shall use the Owner-Initiated Proposal Request form provided at the end of this Section 011000, or an alternative form prepared by the Project Consultant.

   1. Proposal Requests issued by Project Consultant are not instructions either to stop work in progress or to execute the proposed change.
   2. Within seven days after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.

      a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
      b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
      c. Include costs of labor and supervision directly attributable to the change.
      d. Include an updated Constructor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
      e. Constructor's Quotation Form: Use form acceptable to Project Consultant.

C. Work Change Directives: Refer to ARTICLE 8 in the Agreement for requirements related to Work Change Directives. Work Change Directives shall be issued by Project Consultant to Constructor after written approval by Owner. Project Consultant shall use the Work Change Directive form provided at the end of this Section 011000, or an alternative form prepared by the Project Consultant.

SAMPLE

D. Change Orders: Refer to Contract requirements. Use Change Order form attached at the end of this Section 011000, or a similar form acceptable to Project Consultant. Change Orders shall be approved in writing by Constructor, Project Consultant and Owner to be effective. Work associated with the change order shall not commence until the Change Order is fully executed.

1.10 COORDINATION WITH OCCUPANTS & OTHER PARTIES AFFECTED BY CONSTRUCTION

A. Partial Owner Occupancy: Owner will occupy the premises during the entire construction period. Constructor agrees to cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage; to perform the Work so as not to interfere with Owner's operations; to keep Parking Garage entries, exits and ramping functional, and to keep parking access and revenue controls in continuous operation unless otherwise approved by Owner.

1. Utilize the Construction Phasing Plan required to be submitted weekly as a means of communicating when activities affecting Owner's operations will occur. Provide at a minimum at least one (1) week of such activities.

    a. Garages to Remain Functional during Construction: Each parking garage shall remain functional during the Parking Garage's regular business hours **7:00am to 6:00pm (Monday through Friday, excluding holidays)** during the course of the Work.

2. Garages to Remain Functional during Inspection and Testing: Parking Garages included in the Project shall remain functional during their respective operating hours for the inspection/testing period following the installation of the PARCS equipment unless specific arrangements are approved by Owner.
3. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.

B. Traffic Management Plan: Submit a preliminary Traffic Management Plan for review by Owner, Project Consultant and Parking Operator at or before the Preconstruction Meeting. Obtain written approval from Owner and Parking Operator for an operational Traffic Management Plan prior to commencement of the Work. Approval of the Traffic Management Plan may require Constructor to provide directional and warning signage and/or flaggers to assure safe movement of vehicles through the Worksites.

1. Coordinate the Traffic Management Plan with the Phasing and Transition Plan. Show how traffic will be routed at entry and exit points, on ramps and in driving lanes at each phase of construction, and the type and location of traffic control methods proposed.
2. Make adjustments to traffic controls as needed during the construction period. Update and resubmit the Traffic Management Plan to Owner and Parking Operator as the Work progresses.
3. Implement traffic controls to assure Parking Garages remain operational.
4. Constructor may close use of parking stalls within Worksites as needed to accomplish the Work with implementation of proper traffic control methods. Constructor shall coordinate any relocation of driving lanes and closure of parking stalls with the Parking Operator.

C. Constructor Responsibilities for Community Relations:

1. Prior to commencement of construction, participate with Owner in development of a communication and community relations plan and problem-solving approach for resolving day-to-day issues, concerns and complaints raised by parking customers, nearby

SAMPLE

businesses and their customers, hotel guests and the general public during the construction period (“Other Parties Affected by Construction”).

2. Assume responsibility for communicating the importance of maintaining good community relations during the Project to Constructor’s employees, subcontractors and other construction personnel.
3. Enlist employees, subcontractors and other construction personnel in implementing the community relations plan
4. Identify a point person employed by the Constructor who will represent the Constructor in taking calls from and meeting with Other Parties Affected by Construction.
5. Provide contact information for the point person which can be given to the general public.
6. Attend meetings with the Owner, Owner’s Project Consultant, Parking Operator and Other Parties Affected by Construction to work through community relations issues as needed.

D. Controlled Substances: Use of tobacco products and other controlled substances on Worksites is not permitted.

1.11 GENERAL REQUIREMENTS (DIVISION 01) CONVENTIONS

A. General Requirements Content: Division 01 General Requirements contained in this Exhibit C use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Division 01 General Requirements shall be performed by Constructor unless specifically stated otherwise.

B. Division 01 General Requirements apply to all Work performed on the Project.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SAMPLE

CHANGE ORDER FORM

SAMPLE

CHANGE ORDER

DATE:	**Enter Date**		**Change Order No. 1**
PROJECT NAME	Name of Project		
PROJECT LOCATION	**Enter Project Location**		
CONSTRUCTOR	Enter Constructor Information	**OWNER**	Capital City Development Corp. Zach Piepmeyer Project Manager zpiepmeyer@ccdcboise.com 121 N. 9th Street, Ste. 501 Boise ID 83702 208-384-4264

Description of Change:
The following changes are hereby made to the Contract for the above referenced project:

The Contract is a Standard Agreement and General Conditions between Owner and Constructor dated ENTER DATE, 2025.

The **Contract Amount** will change by execution of this Change Order:

Original Contract Amount:	$0.00
Previous Contract Change Order Amounts:	$0
Contract Sum Prior to this Change Order:	$0.00
Increased / Decreased Contract Sum by Execution of this Change Order	$0
Revised Contract Total	**$0.00**

The **Contract Time** will be increased by _____ **(X) days**
The new date of Substantial Completion will be: DATE, 2025

This document shall become an amendment to the contract an all provisions of the contract will apply hereto.
To be effective, this Change Order must be approved by the following, acknowledging agreement herewith including any adjustment in the Contract Amount and/or Contract Time:

PROJECT CONSULTANT	CONTRACTOR	Capital City Development Corp. OWNER
SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME AND TITLE	PRINTED NAME AND TITLE	John Brunelle, Executive Director PRINTED NAME AND TITLE
DATE	DATE	DATE

WORK CHANGE DIRECTIVE FORM

SAMPLE

WORK CHANGE DIRECTIVE FORM

No. _____

DATE OF ISSUANCE _____ EFFECTIVE DATE _____

OWNER _____
CONSTRUCTOR _____
Contract: _____
Project: _____

You are directed to proceed promptly with the following change(s):
Description:

Purpose of Work Change Directive:

Attachments: (List documents supporting change)

If OWNER or CONSTRUCTOR believe that the above change has affected Contract Price, any Claim for a Change Order based thereon will involve one or more of the following methods as defined in the Contract Documents.

Method of determining change in Contract Price:

Unit Prices
Lump Sum
Cost of the Work_____

Estimated increase (decrease) in Contract Price:
$_____.
If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Estimated increase (decrease) in Contract Times:

Substantial Completion: _____ days;

Ready for final payment: _____ days.

RECOMMENDED:

_____
PROJECT CONSULTANT
By:
_____

AUTHORIZED:

_____
OWNER
By:
_____

SAMPLE

WORK CHANGE DIRECTIVE – INSTRUCTIONS

A. GENERAL INFORMATION

This document was developed for use in situations involving changes in the Work which, if not processed expeditiously, might delay the Project. These changes are often initiated in the field and may affect the Contract Price or the Contract Times. This is not a Change Order, but only a directive to proceed with Work that may be included in a subsequent Change Order. See Division 01 General Requirements for procedures regarding issuance of Work Change Directives by Project Consultant.

For supplemental instructions and minor changes not involving a change in the Contract Price or the Contract Times a Field Order should be used.

B. COMPLETING THE FORM

Project Manager/Consultant initiates the form, including a description of the items involved and attachments.

Based on conversations between Project Consultant and Constructor, Project Consultant completes the following:

> METHOD OF DETERMINING CHANGE, IF ANY, IN CONTRACT PRICE: Mark the method to be used in determining the final cost of Work involved and the estimated net effect on the Contract Price. If the change involves an increase in the Contract Price and the estimated amount is approached before the additional or changed Work is completed, another Work Change Directive must be issued to change the estimated price or Constructor may stop the changed Work when the estimated time is reached. If the Work Change Directive is not likely to change the Contract Price, the space for estimated increase (decrease) should be marked "Not Applicable."

Once Project Consultant has completed and signed the form, all copies should be sent to Owner for authorization – the Project Manager/Consultant alone does not have authority to authorize changes in Price or Times. Once authorized by Owner, a copy should be sent by Project Consultant to Constructor. Price and Times may only be changed by Change Order signed by Owner and Constructor with Project Consultant's recommendation.

Once the Work covered by this directive is completed or final cost and times are determined, Constructor should submit documentation for inclusion in a Change Order. Division 01 General Requirements requires that a Change Order be initiated and processed to cover any undisputed sum or amount of time for Work actually performed pursuant to this Work Change Directive.

THIS IS A DIRECTIVE TO PROCEED WITH A CHANGE THAT MAY AFFECT THE CONTRACT PRICE OR CONTRACT TIMES. A CHANGE ORDER, IF ANY, SHOULD BE CONSIDERED PROMPTLY.

SAMPLE

OWNER INITITIATED PROPOSAL REQUEST FORM

SAMPLE

OWNER-INITIATED PROPOSAL REQUEST FORM

No. _____

DATE OF ISSUANCE _____ EFFECTIVE DATE _____

OWNER _____
CONSTRUCTOR _____
Contract: _____
Project: _____

This Proposal Request is NOT a Change Order, a Work Change Directive, nor Directive to proceed with the Work described below. The sole purpose of this Proposal Request is to obtain Constructor's response as to proposed modifications UNDER CONSIDERATION BY OWNER as described below.

DESCRIPTION: (Describe changes to the Project under consideration by Owner.)

ATTACHMENTS:
(List attached documents provided by Owner explaining the modifications to the Contract Documents under consideration by Owner.)

TO CONSTRUCTOR:
Please submit an itemized proposal for changes in the Contract Sum and Contract Time if modifications are undertaken. Proposal shall be in writing and signed by Constructor. Constructor's Response shall be returned to the Project Consultant by:

_____

ISSUED BY:

_____
PROJECT CONSULTAMT
By:
_____

AUTHORIZED:

_____
OWNER
By:
_____

SAMPLE

REQUEST FOR INFORMATION (RFI) FORM

SAMPLE

REQUEST FOR INFORMATION

PROJECT: _____ RFI#: _____

ITEM: _____

REF. DWG. OR SPEC.: _____

SCHEDULE IMPACT? YES ☐ NO ☐ COST IMPACT? YES ☐ NO ☐

REQUEST RETURN BY: _____

DESCRIPTION/REQUEST: _____

_____

_____

_____

_____

ORIGINATOR: _____ FIRM: _____ DATE: _____

RESPONSE

_____

_____

_____

_____

BY: _____ FIRM: _____ DATE: _____

This is not an authorization to proceed with work involving additional costs and/or time. Notification must be given in accordance with the Contract Documents if any response causes any changes to the Contract Documents.

SAMPLE

PAY APPLICATION FORM WITH SCHEDULE OF VALUES FORM

SAMPLE

APPLICATION FOR PAYMENT NO. _____

To: Capital City Development Corporation (OWNER)
From: _____
Contract: _____
Project: _____
OWNER's Contract No. _____
PROJECT CONSULTANT's Project No._____

For Work accomplished through the date of:

1.	Original Contract Price:	$ _____
2.	Net change by Change Orders and Written Amendments (+/-):	$ _____
3.	Current Contract Price (1 plus 2):	$ _____
4.	Total completed and stored to date:	$ _____
5.	Retainage (per Agreement): _____% of completed Work:	$_____
	_____% of stored material:	$_____
	Total Retainage:	$_____
6.	Total completed and stored to date less retainage (4 minus 5):	$_____
7.	Less previous Application for Payments:	$_____
8.	**DUE THIS APPLICATION (6 MINUS 7):**	**$_____**

cco panying ocu entation

CONSTRUCTOR'S Certification: The undersigned CONSTRUCTOR certifies that: 1.) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONSTRUCTOR's legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 through _____ inclusive; 2.) title of all Work, materials, and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and 3.) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective.

Dated: _____ _____
CONSTRUCTOR

Notarized By:
State of _____
County of _____
Subscribed and sworn to before me this _____ day of _____, _____.

_____
Notary Public
My Commission expires: _____

Payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated: _____ _____
PROJECT CONSULTANT / OWNER'S PROJECT MANAGER

SAMPLE

Project:	**Parking Access and Revenue Control System (PARCS) Replacement Project**						Application No.		1
Constructor:							Application Date		XX/XX/XX
Application for Payment								From	To
Continuation Sheet							Period	XX/XX/XX	XX/XX/XX
A	B	C	D	E	F	G	H	I	J
			Work Completed						
Item No.	Description of Work	Scheduled Value	Previous Application	This Pe	Materials Presently Stored	Total Completed & Stored	%	Balance to Finish	Retainage to Date
	EXAMPLE ONLY *Contractor to List Based on Scope of Work*								
1						$0.00	#DIV/0!	$0.00	$0.00
2						$0.00	#DIV/0!	$0.00	$0.00
3						$0.00	#DIV/0!	$0.00	$0.00
4						$0.00	#DIV/0!	$0.00	$0.00
5						$0.00	#DIV/0!	$0.00	$0.00
6						$0.00	#DIV/0!	$0.00	$0.00
7						$0.00	#DIV/0!	$0.00	$0.00
		$0.00	$0.00	$0.00	$0.00	$0.00			$0.00
	Retainage for This Period			$0.00	$0.00				
	Application No.								
	Total Completed & Stored	$0.00							
	Less Retainage for this Period - Work Completed	$0.00							
	Less Retainage for this Period - Materials Presently Stored	$0.00							
	Total Requested for Payment	**$0.00**							

SAMPLE

SECTION 01 77 00 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:

1. Substantial Completion procedures.
2. Final completion procedures.
3. Warranties.
4. Final cleaning.
5. Repair of the Work.

B. Related Requirements:

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of cleaning agent.

B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.

C. Certified List of Incomplete Items: Final submittal at final completion.

1.3 CLOSEOUT SUBMITTALS

A. Certificates of Release: From authorities having jurisdiction.

B. Certificate of Insurance: For continuing coverage.

1.4 SUBSTANTIAL COMPLETION PROCEDURES

A. Contractor shall comply with the procedures for Substantial and final completion set forth in this section, which apply when the contractor requests substantial completion and final completion inspections at the conclusion of the work on the project as a whole, unless the contractor exercises the option to request substantial and final completion occur by work phase, as described below.

1. Contractor shall have the option to request the Project Consultant to inspect and certify attainment of substantial completion and final completion as work is concluded for each work phase identified in the contractor’s phasing plan prior to conclusion of the work on the project as a whole.

SAMPLE

B. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.

C. Submittals Prior to Substantial Completion: Complete the following a minimum of **10** days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
2. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.
3. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
4. Submit maintenance material submittals specified in individual Sections, including tools, spare parts, extra materials, and similar items, and deliver to location designated by Project Consultant. Label with manufacturer's name and model number.
5. Submit testing, adjusting, and balancing records.
6. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.

D. Procedures Prior to Substantial Completion: Complete the following a minimum of **10** days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Advise Owner of pending insurance changeover requirements.
2. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
3. Complete startup and testing of systems and equipment.
4. Perform preventive maintenance on equipment used prior to Substantial Completion.
5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems. If applicable, submit demonstration and training video recordings specified in other Sections.
6. Advise Owner of changeover in utility services.
7. Participate with Owner in conducting inspection and walkthrough with local emergency responders.
8. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
9. Complete final cleaning requirements.
10. Touch up paint and otherwise repair and restore marred exposed finishes to eliminate visual defects.

E. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of **10** days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Project Consultant will either

SAMPLE

proceed with inspection or notify Contractor of unfulfilled requirements. Project Consultant will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Project Consultant, that must be completed or corrected before certificate will be issued.

1.5 FINAL COMPLETION PROCEDURES

A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:

1. Submit a final Application for Payment according to Section 9.7 of the Agreement.
2. Certified List of Incomplete Items: Submit certified copy of Project Consultant's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Project Consultant. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.

B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Project Consultant will either proceed with inspection or notify Contractor of unfulfilled requirements. Project Consultant will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

C. Acknowledgement of Final Payment: Contractor shall execute an Acknowledgment of Final Payment form provided by Owner in Exchange for Final Payment.

1.6 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

1. Organize list of spaces in sequential order, proceeding from lowest floor to highest floor.
2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.

1.7 SUBMITTAL OF PROJECT WARRANTIES

A. Time of Submittal: Submit written warranties on request of Project Consultant for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.

SAMPLE

B. Organize warranty documents into an orderly sequence based on the equipment components of the Project. Use the same order as is used for the operations manual and the maintenance manual.

C. Warranty Electronic File: Provide warranties and bonds in PDF format. Assemble complete warranty and bond submittal package into a single electronic PDF file with bookmarks enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

1. Submit on digital media acceptable to Project Consultant.
2. Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch paper.

D. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 - EXECUTION

3.1 FINAL CLEANING

A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.

1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:

a. Clean elevators and stair treads, and elevator vestibule and stair towers to remove construction residue and debris, and foreign substances.
b. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Polish mirrors and glass, taking care not to scratch surfaces.
c. Remove labels that are not permanent

SAMPLE

d. Wipe surfaces of mechanical and electrical equipment, elevator equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.

3.2 REPAIR OF THE WORK

A. Complete repair and restoration operations, before requesting inspection for determination of Substantial Completion.

B. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.

1. Remove and replace chipped, scratched, and broken glass, reflective surfaces, and other damaged transparent materials.
2. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that already show evidence of repair or restoration.
3. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
4. Repair and restore existing building surfaces if damaged and/or defaced by construction activity whether inside or outside Project Site to match existing condition prior to commencement of construction.

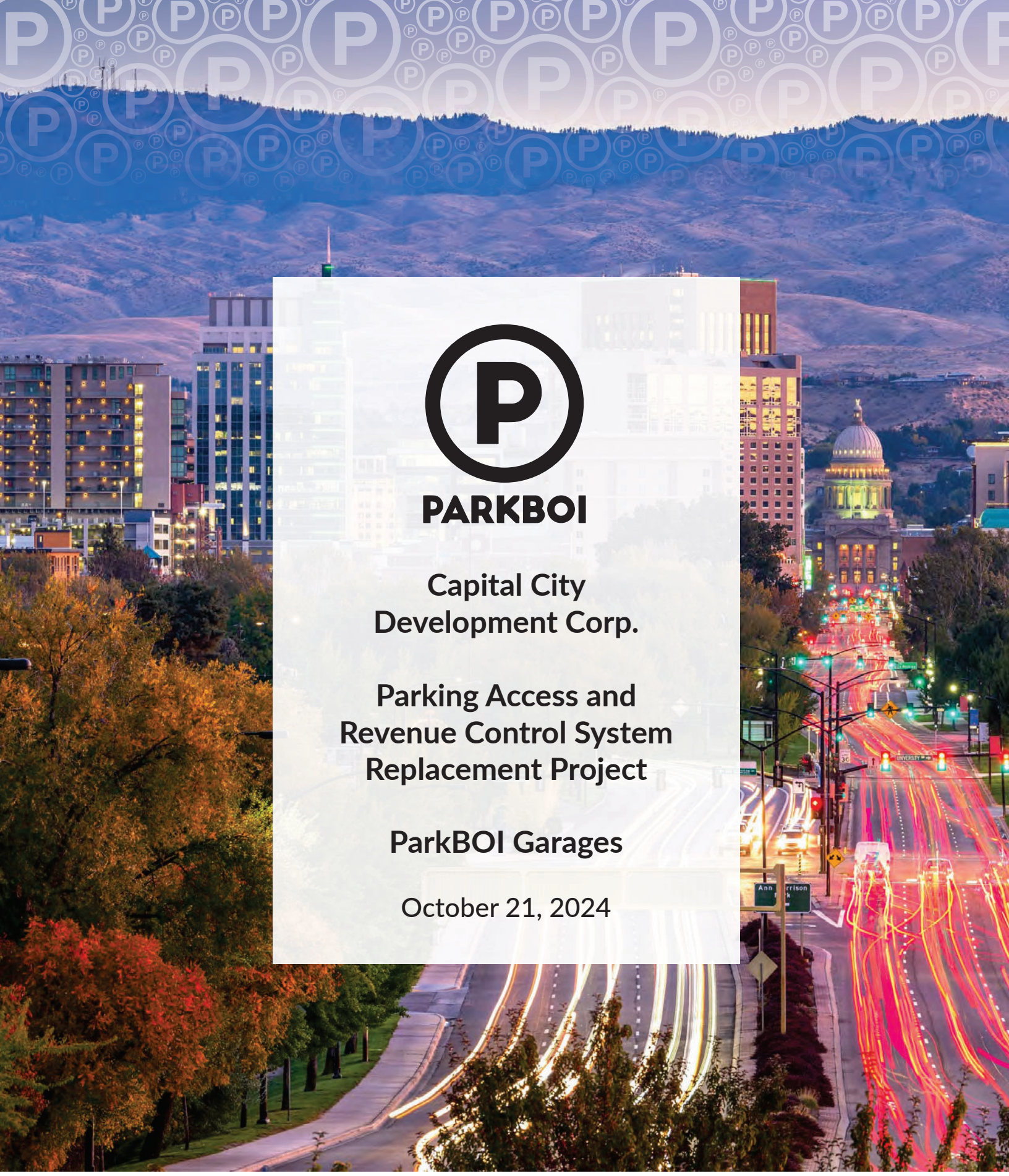
END OF SECTION 01 77 00

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EXHIBIT C

<*Name of Selected Respondent*> Response to the Request for Proposal for the Parking Access and Revenue Control System (PARCS) Replacement Project dated; <*Enter date*>

SAMPLE



PARKBOI

Capital City Development Corp.

Parking Access and Revenue Control System Replacement Project

ParkBOI Garages

October 21, 2024

AMANO McGANN

PARKBOI

Capital City Development Corp.

Parking Access and Revenue Control System Replacement Project

ParkBOI Garages

October 21, 2024

Submitted To:
Capital City Development Corp.
Zach Piepmeyer, Project Manager
Kathy Wanner, Contracts Manager
121 N. 9th Street, Suite 501
Boise, ID 83702
208-384-4264
bids@ccdcboise.com

Submitted By:
Jeff Becker
Vice President of Strategic Partnerships
Amano McGann, Inc.
2699 Patton Road
Roseville, MN 55113
314-703-0008
jeff.becker@amanomcgann.com

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

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A. Transmittal Letter

October 21, 2024

Capital City Development Corp.
Zach Piepmeyer, Project Manager
Kathy Wanner, Contracts Manager
121 N. 9th Street, Suite 501
Boise, ID 83702
bids@ccdcboise.com

RE: Capital City Development Corp. (CCDC)
Parking Access and Revenue Control System Replacement Project
ParkBOI Garages

Zach Piepmeyer and Kathy Wanner:

Please consider this submission by Amano McGann to be our formal response to the Request for Proposal (RFP) for the Parking Access and Revenue Control System (PARCS) Replacement Project for the ParkBOI Garages. Amano McGann has worked with our engineering, production, software, IT, project management, and service departments, as well as our executive teams, to complete a comprehensive review of the RFP documents. Our solution recommendation and options are designed to deliver a responsive on-demand PARCS management system, complete access and revenue control, seamless updates, and comprehensive and intuitive reporting while delivering a heightened customer experience.

Our proposed PARCS solution is designed to provide ease of use for the day-to-day visitor to the ParkBOI Garages and is a powerful security and revenue tool for parking management. We believe that our simplified, yet powerful and scalable Amano ONE cloud-based solution will meet or exceed your current requirements and grow with you as your needs may change. This solution utilizes robust technology that will result in improved control and efficiency of facility operations. The Amano ONE cloud-based system offers a variety of forward-looking solutions including the following features and functionality.

- Cloud-Based Platform – Powerful, responsive design which allows for management of parking operations from any internet connected device with no apps needed.
- Modern Architecture – Platform design that allows for automated redundancy and auto scaling in the cloud. Amano ONE automatically scales resources up and out to always allow for peak performance of the system, no matter how much load may be on the system. Additionally, should an availability zone be affected in the cloud, Amano ONE will simply switch instances to another zone. Amano ONE brings peace of mind for maximum uptime and consistent performance.
- Secure Credit Card Processing – Offer the convenience and security of contact and NFC credit card payments with a PCI P2PE certified processing solution.
- Lane Devices – Amano ONE devices utilize 2D barcode technology and are equipped with integrated barcode scanners for the acceptance of validations and barcode receipts for third-party payment and pre-booking reservations, plus proximity readers for contract parker access.
- Pay-on-Foot Stations – Expedite the exit process by providing convenient locations for patrons to pay for parking before returning to their vehicles.
- Mobile Pay-by-Phone – Provide the convenience of paying parking fees via a smartphone with no app to download.

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- Mobile Cashier – Securely accept cash, credit card, or NFC payments in the lane using roaming cashier options via a mobile phone or tablet.
- Mobile, Online, & Print Validations – Offer a variety of validation options including virtually validating tickets through a web browser, scanning a QR validation code on a mobile device, or printing validations.
- Open APIs - Provide the ability to connect to third-party reservation, event ticketing, and mobile payment aggregators to allow for payment of parking prior to arrival and the seamless sharing of data between systems.
- Reader Technology – Accelerate ingress and egress for monthly cardholders with AVI access readers.
- Call Center – Easily respond to patron calls, view transaction details, push new rates, apply discounts, or vend gates with the integration between Amano ONE and the Umojo solution.

Our response provides detailed explanations for our plans to effectively meet CCDC's goals and objectives for this project. The information provided also demonstrates our presence and commitment to providing proven PARCS installations locally and across the country.

The design and scalability of our solution allows us to be flexible and make changes when needed to ensure delivery of a system that best meets the dynamic requirements of this project. We look at every project with a unique perspective and through the diverse viewpoints of our local and national team of experts. As a result, we are able to propose a solution that delivers a powerful, responsive design to manage your parking assets and generate best in class reporting from any web enabled device.

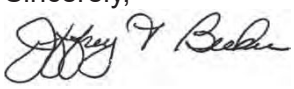
As the only major United States-based parking system manufacturer and distributor, we can provide our clients with the unique opportunity for management to have direct access to our corporate support and software developers. This also positions us to better tailor a turnkey system which addresses your requirements while exceeding expectations.

This is an important project, and we are committed to providing the system that best meets your needs and expectations while delivering a cost-competitive, next-generation solution to support the ParkBOI Garages for years to come. After careful review of the RFP, Amano McGann confirms that we accept all terms and conditions contained in the RFP, including the sample contract, with the exception of the items noted in our proposal in section G. Proposed Amendments to the CCDC Contract Terms.

Jeff Becker, Vice President of Strategic Partnerships for Amano McGann, will serve as your main point of contact for this project. He can be reached at (314) 703-0008 or jeff.becker@amanomcgann.com. Carla Collier, Regional Project Manager for Amano McGann, will lead the project team and can be reached at (407) 340-5615 or carla.collier@amanomcgann.com.

We look forward to the opportunity to demonstrate our in-depth project understanding, proven project methodology, and management approach combined with our post-installation service excellence.

Sincerely,



Jeff Becker
Vice President of Strategic Partnerships
Amano McGann, Inc.
2699 Patton Road
Roseville, MN 55113
(314) 703-0008
jeff.becker@amanomcgann.com

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

B. Respondent Qualifications & Experience

1. Company Overview & Experience with Proposed PARCS

COMPANY OVERVIEW

Amano McGann is a parking technology company headquartered in Minneapolis, Minnesota. For over 40 years, we have been developing, manufacturing, installing, and servicing parking solutions for a wide variety of businesses throughout North America. We offer complete PARCS solutions with multiple product lines, parking management software, and access control solutions which ensures we can deliver a system that meets your needs. Our next-generation products allow clients to effectively manage parking operations as well as monitor and secure facilities. We have successfully completed over 7,000 installations and our experience includes projects for municipalities, healthcare facilities, educational institutions, event venues, financial institutions, hotels, office complexes, port authorities, and retail centers.

Amano McGann is a corporation and wholly owned subsidiary of Amano USA Holdings which is a wholly owned subsidiary of Amano Corporation Japan (ACJ). Backed by our parent company, ACJ, we benefit tremendously from the influence and support of a global corporation with 4,500 employees generating more than $1 billion in annual revenue. The company's history, combined with our national and global stability, gives us the financial strength and capability to design, develop, manufacture, and support the proposed Amano McGann systems.

We are committed to delivering reliable, feature-rich parking systems which satisfy the most demanding applications. Our products are manufactured in a state-of-the-art, eco-friendly facility in Loveland, Ohio. Machining, plastic injection molding, printed circuit boards, and final assembly are all done in-house, ensuring high-quality efficiencies and faster lead times for our customers. We also deliver a high level of sales expertise, installation, and post-sale support service for our customers. To maintain and grow our presence and customer base, we place a priority on continued improvement in our teams' technical, educational, and services qualifications and resources. This level of superior technical support is exceedingly important in today's evolving cloud-based parking systems.

EXPERIENCE WITH PROPOSED PARCS

Our longevity and experience delivering innovative parking solutions ensures that we have the qualifications and experience to design, install, and support a technologically advanced and reliable PARCS solution for the ParkBOI Garages. The Amano ONE solution being proposed offers the latest advancements in parking technology and has been successfully deployed and installed across a broad range of vertical markets in the parking industry. These installations have resolved many parking operational challenges for our clients and significantly improved the customer experience by incorporating a wide range of scalable and powerful Amano ONE features.

The following projects identify the client, scope, system details, and the unique parking resolutions that can also benefit the CCDC and ParkBOI Garages. Additional details on these and additional Amano ONE installations have been provided in the next section.

- **City of Iowa City** – The Amano ONE cloud-based PARCS solution was installed in 22 lanes across four garages which provide parking for university students, employees, multiple hotels, and area visitors. The installation includes revenue lane devices, cash/credit pay-on-foot stations, Genetec LPR cameras, Mobile Payment, built-in call center, and AIMS integration for parking enforcement. The Amano ONE Mobile Payments feature has enhanced the overall customer parking experience by providing an easy payment method without apps that expedites and streamlines the payment process for Iowa City patrons. This feature allowed the city to reduce the number of pay-on-foot stations

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in each facility. This reduction in overall equipment, combined with a powerful cloud-based platform with seamless updates, remote diagnostic capabilities, and simplified device hardware, has helped reduce the overall operational costs for the city.

- **The Port of Galveston** – Amano ONE was installed in 23 lanes across four surface lots. The client required multiple technologies including License Plate Inventory, AVI, and an integrated event and reservation solution to control passenger parking revenue and manage the multiple cruise activities. A customized payment process was developed where patrons, upon entering the lot, can select the cruise ship on which they will embark, and the system calculates the parking fee based on the number of days of the cruise. Since installation of the Amano ONE solution, the Port has improved traffic control eliminating excessive ques for cruise ship departures and arrivals with outstanding customer experience. Revenue has increased through improved control with the Amano ONE solution eliminating the past conventional manual event revenue collection process.
- **Gaylord Opryland** – Amano ONE was installed in 25 lanes to manage parking for hotel and convention center guests. The installation includes revenue lane devices with pay-on-entry functionality for events, mobile payment solutions, mobile cashiering, LPR, and a hotel interface. Since the Amano ONE system was installed, management has seen a reduction in downtime, improved reliability, and significantly lower maintenance costs.
- **McCormick Place Convention Center** – Amano ONE was installed in 18 lanes at the convention center to provide event and hotel parking. The installation includes revenue lane devices, pay-on-foot stations, mobile payment solutions, mobile cashiering, LPR, and hotel interfaces. Installation of the Amano ONE system has helped the convention center achieve their goals of improving the customer experience through a convenient parking process that includes ease of access, expedited exit processes, and multiple payment options.
- **The Sunset** – Amano ONE was installed in the entry, exit, and reversing lanes. The installation includes revenue lane devices, pay-on-foot stations, LPR, proximity readers, mobile payments, shared accounts, flexible spending accounts, and call center. The solution enabled the client to achieve their goals of improving customer service in the lane through the built-in call center, expediting access for contract parkers utilizing LPR as the primary credential, reduced maintenance with the clean design and plug-and-play components, and remote management of the cloud-solution via the intuitive dashboards and robust reporting.

With over 250 dedicated team members, 20 branch offices, and a vast network of authorized distribution partners, we are the largest parking solutions manufacturer and distributor in the United States. We provide our clients with knowledgeable project managers, skilled support technicians, and one of the most experienced engineering and development teams in the industry. Our branch and distributor teams work cooperatively to support our customers and strive for excellence through continuous training and certification with Amano McGann products and services.

CAPACITY TO PERFORM SERVICES & PROVIDE SOLUTION

Amano McGann has successfully deployed and installed thousands of installations throughout the U.S. Our approach has evolved over the years to ensure that we meet and exceed our client's expectations for system startup and the timeliness for full "go live" utilization. We understand that project team organization and processes are a major factor in the successful implementation of any project and our management approach encourages an organizational structure that facilitates quality assurance, provides the ability to control changes, and ensures appropriate involvement from all parties. Utilizing this approach, we have successfully deployed systems across the country which have met or exceeded our client's expectations and schedules.

The project installation team can quickly transition to the new technology as outlined in the Request for Proposal documents for the ParkBOI Garages. Our unique, advanced quick scan onboarding

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technology allows us to connect Amano ONE lane equipment to the cloud-based parking software server within a few minutes of connecting the equipment to the network.

Given the complexity of installing a modern facility system, coupled with the number of technologies required to be installed, it is imperative that a very detailed and accurate implementation plan be developed, vetted, and agreed upon by all parties with a stake in the project. At Amano McGann, we believe in the idea that a well-structured plan is critical to minimize risk and to transition to new systems with minimal negative impact on the parking public. As part of our installation approach, we assemble various teams to focus on the software and network, hot staging of equipment, and installation. Each team will concentrate on the specific tasks required to complete the project on time and on budget. This division of duties allows us to effectively utilize the strengths of each individual team member and allows us to work on the different phases of the project at the same time.

Our project management team will establish realistic deadlines and track installation progress to ensure all tasks remain on schedule. Any issues that arise will be addressed promptly to determine the potential impact on the project schedule and the best course of action to keep the project on track. If needed, we can draw on resources from our Amano Task Force or one of our other branch offices to assist with the installation and ensure on time delivery of the PARCS solution.

AMANO ONE INSTALLATIONS

The Amano ONE solution has established a solid presence across North America with 275 parking facility installations and an additional 125 in the pipeline. No Amano ONE systems have been removed or are at risk of removal and no installations have been deemed incomplete.

ABILITY TO PROVIDE SERVICE & MAINTENANCE

Amano McGann and our distribution partner DGM Systems have the qualifications and experience to provide professional services for system design and drawings, installation, project management, and support services for both cloud-based and on-premise parking access and revenue control solutions. We take a consultative approach and work with our clients to delve into objectives to ensure delivery of a system that best meets the dynamic requirements of each project.

Our goal with any new PARCS project installation is to ensure the highest quality service from the most knowledgeable team. That is why only factory trained and certified support analysts and technicians provide service and preventative maintenance on the parking equipment and overall system. We provide the convenience of both national and localized support for the Amano ONE cloud-based system. Support requests can initially be addressed utilizing secure, remote diagnostics. Due to the reliability of the Amano ONE system and the fact that the devices have only one moving part, over 80% of all support calls for Amano ONE are resolved remotely. If an onsite visit is necessary, the national support team can dispatch an Amano McGann trained and certified technician. We will also train the CCDC's operational representative for the ParkBOI Garages on maintenance and support of the system.

2. Minimum Qualifications

Our proposal thoroughly addresses the requirements outlined in the RFP and offers a range of options and detailed explanations to effectively meet the CCDC's goals and objectives for the ParkBOI Garages project. We emphasize the strength and commitment of Amano McGann and distribution partner, DGM Systems, in delivering proven PARCS installations.

As specified, we have highlighted our extensive experience and outlined our capability to implement and support the proposed system. We confirm that all technical personnel from Amano McGann and DGM Systems are manufacturer-trained in the installation and support of our products and solutions. Our electrical subcontractor, Lea Electric, has been providing first-class electrical installation services throughout the intermountain west for nearly 40 years.

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With over 40 years of experience in the parking industry, we are well positioned to meet the minimum qualifications for the ParkBOI Garages project. Our solutions have been successfully installed in more than 7,000 locations, including over 2,000 lanes of Amano ONE equipment. The references provided in our proposal showcase our diverse experience with projects of various scales, including installations similar in size and scope to ParkBOI Garages project featuring LPR technology, AVI and proximity readers, NFC and mobile payments, validation solutions, call center applications, and API integrations for pre-paid parking reservations, event management, and hotel interfaces.

1) Five Years Experience

Amano McGann has been serving the parking industry for over 40 years. We provide an extensive sales and service network consisting of 20 branch offices and an extensive network of distribution partners throughout North America offering sales, installation, service, and technical support. Roseville, Minnesota is home to a first-class support center and the most experienced engineering and development teams in the industry working to bring technologically advanced products to the market. Not only do we offer cutting-edge hardware, but we are also committed to providing the most comprehensive and flexible software solutions in the industry. Our team of developers and programmers understand the real-world issues our customers face every day and apply this knowledge to each of our solutions.

We are committed to delivering reliable, feature-rich parking systems which satisfy the most demanding applications. Our products are manufactured in a state-of-the-art, eco-friendly facility located in Loveland, Ohio. Machining, plastic injection molding, printed circuit boards, and final assembly are all done in-house, ensuring high-quality efficiencies and faster lead times for our customers. We also deliver a high level of sales expertise, installation, and post-sale support service for our customers.

For the ParkBOI Garages PARCS replacement project, we will utilize our distribution partner, DGM Systems, for installation assistance. DGM Systems has been an authorized sales and service distributor for Amano McGann for nearly 40 years. Their technical support staff have been fully trained in the installation, maintenance, and support of Amano McGann PARCS solutions. DGM Systems is currently the largest supplier of parking-related systems in the Portland Metro market providing support to over 150 locations. Their installation base also includes parking facilities in several Northwest cities including Seattle, Spokane, Eugene, Salem, Billings, Idaho Falls, Bozeman, Medford, Kalispell, and Boise. The team is adept at managing service and support for locations outside of the metro area and can assist Amano McGann in providing in-depth training and resources to allow your staff or parking operator to handle troubleshooting and repairs.

2) 200+ Lanes of Proposed Equipment in Operation

The Amano ONE solution has established a solid presence across North America, with installations at 275 locations and an additional 125 on the way. With over 2,000 lanes of Amano ONE equipment actively managing facility revenue and access control, it's evident that the solution is playing a vital role in operational efficiency.

3) Primary PARCS Components Installed in Five Facilities in Past Three Years

Amano McGann is one of the largest and most diverse PARCS manufacturers in North America, dedicated to the design, engineering, manufacturing, installation, service, and support of all Amano McGann hardware and software products. We bring extensive experience in delivering PARCS solutions across various operational environments. The references listed below highlight our diverse project portfolio, including those similar in scope to the ParkBOI Garages project.

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THE CITY OF IOWA CITY

Location:	410 East Washington Street Iowa City, Iowa 52240
Contact Name:	Mark Rummel
Phone:	(319) 325-5059
Email:	mrummel@iowa-city.org
Facilities:	4 Garages
Lanes:	22 Entry & Exit Lanes
Payment Types:	Cash, Credit Cards, Mobile Payments, Pre-Paid Reservations, Validations
Credential Types:	Transient Tickets, Proximity Readers, LPR
Install Date:	April – June 2023
Contract Value:	$1.1 million

The City of Iowa City consists of four parking garages in downtown Iowa City, Iowa. The city parking garages provide parking for University of Iowa students, employees, multiple hotels, and nightlife parking. The Amano ONE System was installed in April 2023 and replaced the legacy T2 parking system. The new system manages eleven entry lanes, eleven exit lanes, and four cash & credit pay-on-foot stations between the four garages. The system interfaces with AIMS parking enforcement platform and Genetec LPR cameras. The Amano ONE mobile payments feature enhances the overall customer parking experience by providing an additional simple to use payment method (without apps) that expedites the payment process and streamlines the entire parking process for Iowa City patrons. This feature allowed the city to reduce the number of pay-on-foot stations in each facility. This reduction in overall equipment, combined with a powerful cloud-based platform with seamless updates, remote diagnostic capabilities, and simplified device hardware, will help reduce the overall operational costs for the city. In addition to providing key integrations, an intuitive dashboard, and reporting tools, the Amano ONE cloud-based system includes a built-in call center with integrated HD cameras which can be utilized from any web-based device.

THE PORT OF GALVESTON

Location:	The Galveston Wharfs, Galveston, TX 77550
Contact:	Julio DeLeon | Mobility Director, Parking and Ground Transportation Dpt.
Phone:	(409) 766-6187
Email:	jdeleon@portofgalveston.com
Facilities:	4 Surface Lots
Lanes:	38 Entry & Exit Lanes
Credential Types:	Tickets, Proximity Readers, AVI, LPR, ResPort Reservations, Toll Tags
Install Date:	October 2022
Contract Value:	$1 million

Twenty-three lanes of Amano ONE equipment were installed over four surface lots at the Port of Galveston. The specification required multiple technologies including License Plate Inventory and AVI, custom integrations with ResPort (reservation service), and the Texas Toll Tag as a credential. Additionally, a customized payment process was developed where patrons, upon entering the lot, will select the cruise ship on which they will embark. The system calculates the parking fee based on the number of days of the cruise. Using a custom scheduler, each day the entry terminals will automatically update to display the cruises that are embarking that day. Upon exit, the patron will scan the paid ticket and if the paid through date and time have not been exceeded, the gate will vend to allow for exit. If the paid through date and time have passed, the exit station will calculate the appropriate fee and collect the balance due using EMV credit card readers with P2P Encryption. The Port of Galveston project was the recent recipient of the Texas Parking & Transportation Association 2023 Award for Parking Equipment and Technology which recognizes outstanding parking projects that demonstrate excellence in parking design, equipment, operations, and construction.

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GAYLORD OPRYLAND

Contact Name:	Khalim Georges
Location:	2800 Opryland Drive, Nashville, TN
Phone:	(615) 862-3101
Email:	kgeorges@townepark.com
Lanes:	25 Entry & Exit Lanes
Payment Types:	Credit Card, Mobile Payment, Validations
Credential Types:	Tickets, Proximity Readers, Validations, LPR, Hotel Interface
Install Date:	October 2023
Contract Value:	$738,000

Gaylord Opryland selected Amano ONE as the most advanced parking technology to optimize parking operations for the hotel's high volume of visitors and hotel guests. The installation included 25 lanes of Amano ONE Entry and Exit Devices with pay-on-entry functionality for events, Mobile Payments, Mobile Cashier, License Plate Recognition System, and Hotel PMS Integration. The Gaylord Opryland selected Amano ONE due to the exceptional service of the local branch along with the simple design of Amano ONE enabling their team to manage the lane hardware, reduce downtime, improve the reliability, and significantly lower maintenance costs.

MCCORMICK PLACE CONVENTION CENTER – CHICAGO PARK DISTRICT

Contact Name:	Louis (Lou) Romagnano | Senior Manager, SP+ Parking
Location:	2301 S. Dr Martin Luther King Jr, Chicago, IL 60616
Phone:	(312) 791-7181 office | (630) 697-6118 cell
Email:	lromagnano@spplus.com
Lanes:	18 Entry & Exit Lanes
Payment Types:	Cash, Credit Card, Mobile Payment, Validations, Pre-Paid Reservations
Credential Types:	Transient Tickets, Proximity Readers, Mobile Reservations, LPR, Hotel Room Cards, Valet Tickets
Install Date:	November 2023 – January 2024
Contract Value:	$747,000

The Amano ONE solution was installed across eighteen lanes at the McCormick Place Convention Center to provide event parking for the convention center and Wintrust Arena which is home to the Chicago Sky WNBA team. The parking facilities are also utilized by two hotels connected to the convention center. A key goal was to improve the customer experience through a convenient parking process that included ease of access, an expedited exit process, and a variety of payment options. The Amano ONE system includes eighteen entry and exit lane devices, fourteen pay-on-foot stations offering a mix of credit card and cash payment options, mobile payment solutions, mobile cashiering, a license plate recognition system, and Marriott and Opera hotel interfaces.

Visitors to the convention center parking facilities can either receive a 2D barcode ticket to enter or pay upon entry. Their license plate number (LPN) will be read upon entry and tied to their entry ticket. For parkers who pay upon entry, on their mobile device, or at a pay-on-foot station, their LPN can be used to automatically exit the parking facilities. The LPN can also be used to identify the date and time of arrival in the event of a lost or damaged ticket. For monthly contract parkers, their LPN can be utilized as an access credential to enter and exit the facilities. Barcode scanners installed in all revenue devices accept validations and barcode receipts for third-party payment applications from Arrive and the OSSI event system. For added customer convenience, all lane terminals and pay-on-foot stations are equipped with integrated intercoms and pinhole cameras for patron assistance through the built-in native Call Center application in the Amano ONE software platform.

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THE SUNSET – HOLLYWOOD, CA

Location:	8560-8590 W. Sunset Boulevard, West Hollywood, CA 90069
Contact:	Veneet “Vinny” Puri
Phone:	(310) 659-7713
Email:	vpuri@aceparking.com
Lanes:	4 Entry & Exit Lanes
Payment Types:	Credit Card, Mobile Payment, Validations
Credential Types:	Tickets, LPR, Proximity Cards, Validations, Mobile Reservations
Install Date:	February 2024
Contract Value:	$165,000

Amano McGann has been a long-standing PARCS provider to The Sunset which is an impressive mixed-use facility in Hollywood, California, seamlessly blending high-end retail shops, commercial spaces, and luxury residences. Its design reflects the vibrant energy of Hollywood, offering a modern aesthetic that attracts both locals and visitors. In 2024, the Amano ONE solution was installed to manage parking operations at The Sunset. The installation included revenue lane devices, pay-on-foot stations, LPR, proximity readers, and a cloud-based software management system with mobile payments, shared accounts, flexible spending accounts, and call center. The Amano ONE mobile payments and built-in call center features have enhanced the overall customer parking experience by providing a simple to use payment method without apps and the ability to quickly respond to customers in the lane. Utilizing LPR as the primary credential for contract parkers has expedited facility access and virtually eliminated exit ques for a more streamlined process. The plug-and-play component design of the equipment and seamless software updates have reduced maintenance, and Amano ONE’s remote, online reporting and management tools have improved parking management operations.

CITY OF LOWELL

Location:	75 John St, Lowell, MA 01852
Contact Name:	Terry Ryan
Phone:	(978)-3327-3079
Email:	tryan@lowellma.gov
Facilities:	3 Garages
Lanes:	12 Entry & Exit Lanes
Payment Types:	Cash, Credit Card, Mobile Payment, Validations
Credential Types:	Transient Tickets, Proximity Card Readers, Validations
Install Date:	October 2023
Contract Value:	$350,000

The Amano ONE solution was installed in three City of Lowell parking garages in October of 2023. The installation included Amano ONE cloud-based software with mobile pay, shared accounts, flexible parking account, mobile cashier, CVPS valet dual pairing, and built in call center, along with revenue devices in all twelve entry and exit lanes, plus six cash and credit card pay-on foot stations, long-range proximity readers, and pedestrian door readers. The city selected Amano ONE to increase revenue and improve their customers’ experience, as well as due to the level of continued service of the local Amano McGann branch and the longevity of their previous Amano McGann PARCS technology which lasted over 20 years. The straightforward design of the Amano ONE system enabled their team to manage lane hardware, reduce downtime, improve reliability, and significantly lower maintenance costs.

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CITY OF POMPANO BEACH

Contact:	Jeff Lantz | Parking Operations Manager
Location:	100 W. Atlantic Blvd., Pompano Beach, FL 33060
Phone:	(954) 786-5580
Email:	jeff.lantz@copbfl.com
Facilities:	1 Facility
Lanes:	4 Entry & Exit Lanes
Payments Types:	Cash, Credit Card, Validations
Credential Types:	Transient Tickets, Barcode Credentials, Validations
Installation Date:	August 2024
Contract Value:	$150,000

The City of Pompano Beach originally selected Amano McGann in 2015 to install the OPUS solution in the garage at the Fishing Village which provides parking for residents, visitors, employees, and Hilton hotel guests. The site was upgraded to the Amano ONE solution in 2024 to provide the latest technology in a fully cloud-based solution. The new system includes two Amano ONE Entry and Exit Stations, one Cash & Credit Card Pay-on-Foot Station, two Credit Card Only Pay-on-Foot Stations, Mobile Payments, Validations, and P2PE/EMV credit card terminals with NFC. The new system provides a powerful parking management solution while enhancing the customer experience.

ARIZONA STATE UNIVERSITY

Location:	730 S. Mill Avenue, Tempe AZ 85281
Contact:	Frank Castro III | Associate Director of Parking / Facility Maintenance Parking and Transit Services
Phone:	(520) 461-7346
Email:	Frank.G.Castro.III@asu.edu
Facilities:	18 Facilities
Lanes:	88 Entry & Exit Lanes
Payment Types:	Credit Card, Mobile Payment, Pre-Paid Reservations
Credential Types:	Transient Tickets, Proximity, AVI
Install Date:	November 2023 – March 2024
Contract Value:	$2 million

Amano ONE parking access and revenue devices are installed throughout the Arizona State University Campus. The project encompasses 18 parking garages and lots with a total of 88 entry, exit, reversing, and monthly only lanes. The installation also includes Amano ONE pay-on-foot stations and access readers, AVI readers, Parker two-way video intercoms, Opera PMS Hyatt hotel interface, and AIMS integration for permit management and enforcement. The simplified, yet powerful solution provides convenient access and payment options to streamline the parking process including NFC and mobile payments with Amano McGann serving as Merchant of Record for the University. The goal was to improve efficiencies and enhance the customer experience. Amano McGann met and exceeded the University's expectations with the deployment and installation of the Amano ONE cloud based PARCS solution.

4) Proven Ability to Install Equipment & Provide Post-Installation Support

Amano McGann has successfully deployed and installed thousands of installations throughout the U.S. Our approach has evolved over the years to ensure that we meet and exceed our client's expectations for system startup and the timeliness for full "go live" utilization. We understand that project team organization and processes are a major factor in the successful implementation of any project and our management approach encourages an organizational structure that facilitates quality assurance, provides the ability to control changes, and ensures appropriate involvement from all parties. Utilizing this approach, we have successfully

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deployed systems across the country which have met or exceeded our client's expectations and schedules.

The project installation team can quickly transition to the new technology as outlined in the Request for Proposal documents for the ParkBOI parking facilities. Our unique, advanced quick scan onboarding technology allows us to connect Amano ONE lane equipment to the cloud-based parking software server within a few minutes of connecting the equipment to the network.

Given the complexity of installing a modern facility system, coupled with the number of technologies required to be installed, it is imperative that a very detailed and accurate implementation plan be developed, vetted, and agreed upon by all parties with a stake in the project. At Amano McGann, we believe in the idea that a well-structured plan is critical to minimize risk and to transition to new systems with minimal negative impact on the parking public. As part of our installation approach, we assemble various teams to focus on the software and network, hot staging of equipment, and installation. Each team will concentrate on the specific tasks required to complete the project on time and on budget. This division of duties allows us to effectively utilize the strengths of each individual team member and allows us to work on the different phases of the project at the same time.

Our project management team will establish realistic deadlines and track installation progress to ensure all tasks remain on schedule. Any issues that arise will be addressed promptly to determine the potential impact on the project schedule and the best course of action to keep the project on track. If needed, we can draw on resources from our Amano Task Force or one of our other branch offices to assist with the installation and ensure on time delivery of the PARCS solution.

Amano McGann's goal with any new PARCS project installation is to ensure the highest quality service from the most knowledgeable team. That is why our factory trained and certified technicians and authorized distribution partners provide service and preventative maintenance on the parking equipment and systems. With Amano McGann being both manufacturer and installer, we hire and train service and support technicians that work in our branch, regional, and national offices throughout the United States. We also ensure that our distribution partners' technical personnel are trained and certified to support Amano systems. We are confident that we will provide the highest level of warranty service and ongoing maintenance support for the proposed parking system. Our clients have high expectations, and our goal is to provide quick response and resolution to ever-changing service needs.

We provide the convenience of both national and local support for the Amano ONE cloud-based system. During the warranty period and beyond, certified Amano McGann support analysts will be available to provide remote support for the ParkBOI Garages as needed during normal business hours. Support calls or emails received outside of normal business hours or for non-warranty service will be billed at the current cost of services. We will also provide in-depth training for CCDC's parking operator to manage onsite preventative maintenance and repair services. If additional support is needed onsite, we can dispatch a certified Amano McGann technician.

We will also prepare a proposed maintenance plan for both warranty and post-warranty services specific to the ParkBOI Garages project. This plan will recognize the type and complexity of the proposed PARCS, and the individual pieces of equipment contained therein, and will be designed so it will not adversely affect the overall operation of the parking system and operations. Our maintenance plan includes procedures to handle any incidents that arise during operation and regularly scheduled preventative services.

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October 4, 2024

Capital City Development Corp.
Zach Piepmeyer, Project Manager
Kathy Wanner, Contracts Manager
121 N. 9th Street, Suite 501
Boise, ID 83702

RE: Certification of Manufacturer Training

This letter serves as confirmation that all technical personnel with DGM Systems have received factory training within the past two years and are certified to install and provide technical support for Amano McGann parking systems including the Amano ONE system being proposed for the ParkBOI Garages PARCS replacement project.

Should you have any questions regarding training certification, please feel free to contact me at (314) 703-0008.

Sincerely,

Jeff Becker
Vice President – Strategic Partnerships
Amano McGann, Inc.
2699 Patton Road
Roseville, MN 55113
(314) 703-0008
jeff.becker@amanomcgann.com

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C. Technical Response to PARCS Functional Specs

The Amano McGann team is proposing the installation of a Parking Access and Revenue Control System (PARCS) utilizing our latest Amano ONE advanced parking technology. This system features secure 2D barcode ticket technology and supports multiple credentialing options, including proximity cards, prepaid access, and frictionless solutions, ensuring a streamlined parking experience. The hardware is designed with customer convenience in mind, offering an intuitive user interface through a large touchscreen display and integrated call center functionality, with the option to incorporate third-party call center solutions. The Amano ONE system communicates directly with its cloud-based platform, which simplifies deployment, ensures seamless updates, accelerates transactions, and enhances overall system performance for reliable, efficient operation.

This highly scalable solution offers a wide range of expansion options, making it adaptable to various operational needs. Designed to meet and exceed the vision for the ParkBOI Garages, it will deliver a modern and convenient experience for patrons, incorporating the latest advancements in flexibility, payment methods, user preferences, navigation, efficiency, security, and customer guidance. By interfacing with subsystem experts in P2PE EMV credit card processing, license plate recognition technology, third-party reservation aggregators, and event ticketing agencies, this solution is capable of managing even the most complex and large-scale parking operations across any portfolio size.

The Amano ONE hardware solution, paired with our cloud-based software suite, offers a proven and powerful tool for parking management. It includes several unique features that set us apart from our competitors, including:

- **True IP-Based Technology**
  Amano ONE Series communicates over true TCP/IP which means less points of failure for serial-to-ethernet conversions across the portfolio of facilities and devices. Less points of failure equates to more uptime and less service disruptions delivering a simplified, yet powerful solution for managing access and revenue control in multiple facilities of any size.
- **Simplified & Powerful Design**
  The Amano ONE Series equipment is designed to maximize functionality to address all operational and parking needs while maximizing the customer experience. Modular USB components paired with a powerful single board Linux base computer deliver exceptional speed, performance, and reliability.
- **Contactless Solutions**
  Eliminating touch points with system devices can improve safety and the overall experience for customers. From hands-free ticket issue options to frictionless access, and contactless payment options, we can provide a completely touch-free parking experience.
- **Amano ONE PARCS Software Technology**
  Accurate, timely data is the key to making informed, strategic business decisions for your operation. Amano ONE's cloud-based software solution provides a dynamic, real-time view of your assets and makes it easy to manage all revenue and access control functions in one fully scalable, feature-rich program. Some of the main available features include:
  - AWS Multi-Tenant Data Center Deployment
  - Unlimited Multi-Credential Access
    - RFID
    - AVI
    - License Plate
    - Mobile Phone
    - Bluetooth

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- LPR Capable
- Responsive Design
- Hardware Agnostic – no App to Download
- LINUX based Environment
- Built-in Dashboards Display Real-Time Activity
- Built-in Call Center

- **Standardized Subscribe APIs**
  Standardized APIs provide the ability to connect to “best in class” third-party aggregators that include reservation, permit/enforcement, event ticketing, and mobile payment to seamlessly share data between systems.
- **United States-Based Manufacturing**
  Products are manufactured and assembled with care in our factory in Loveland, Ohio. We invite you to tour the factory and view your equipment being manufactured in real-time.
- **United States-Based Research and Development**
  Direct research and development centers are based in Roseville, Minnesota and Roseland, New Jersey. Our engineers and developers are readily available and committed to providing cutting-edge technology tailored to your location.
- **Experience and Stability**
  Amano McGann has the largest footprint in North America with over 7,000 installations, 300 employees, and 20 direct sales and service offices. This experience, combined with our strong fiscal backbone and heavy investment in continued research and development, make us the least-risk partner to transform the future of parking for your operations.

C.1 PARCS Replacement Executive Summary

Amano ONE is the most simplified, powerful, and reliable cloud-based Parking Access and Revenue Control System, perfectly optimized for parking operations. Its user-friendly platform is designed for easy installation and management, with lower maintenance costs, seamless updates, and intuitive onboarding. The system provides comprehensive monitoring and control of lane devices and payment terminals through dynamic dashboards, creating a fully integrated solution for both single locations and multi-facility enterprises.

Amano ONE enhances operational efficiency and customer convenience with features such as a built-in call center, mobile payments, and online validations. Its powerful, responsive design enables users to manage parking operations from any device, offering best-in-class reporting, expedited access, and rapid system processing speeds. Equipped with the latest in cloud security and 24/7 AWS monitoring, Amano ONE delivers an intuitive, secure, and highly reliable parking control platform—making it the best solution on the market.

An operational overview of the Amano ONE system solution proposed for the ParkBOI Garages has been provided, detailing how this solution will effectively meet the project's goals and requirements. This overview highlights the system's advanced capabilities in optimizing parking operations, ensuring efficient management, and delivering a seamless and convenient experience for both operators and patrons. The Amano ONE solution is specifically tailored to align with the CCDC’s vision for the ParkBOI Garages, offering flexibility, security, and scalability to support long-term operational success.

AMANO ONE REVENUE DEVICES
Amano ONE Series devices utilize 2D barcode technology and are equipped with integrated barcode scanners for the acceptance of validations and barcode receipts for third-party payment applications and event ticketing agencies plus proximity readers for monthly parker access. The devices also include intercoms and pinhole cameras with built-in call center capabilities for patron assistance; however, the Umojo customer service solution can be utilized with the call center.

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All Amano ONE revenue devices utilize Windcave for credit card acceptance. Windcave is PCI P2PE 3.2 certified credit card transaction processing solution which features point-to-point encryption for secure transactions and reduced PCI scope. We can also provide the option to use the Planet solution for credit card processing which is also a P2PE solution.

TRANSIENT PARKER OPERATIONS

Transient parkers will receive a 2D barcode ticket upon entering the facility by pressing the "Push for Ticket" icon on the touchscreen of the entry device. Parking fees can then be settled in various ways, including via credit card at unattended exit stations, on mobile devices, at pay-on-foot stations, or with mobile cashiers. For those preferring to pay with cash, mobile cashiers and cash-enabled pay-on-foot stations are available. Pre-paid parking receipts from approved third-party reservation apps can also be scanned at lane terminals for both ingress and egress.

Mobile payments will be facilitated through the Amano ONE Mobile Payments feature, which allows parkers to scan their entry ticket with their smartphone to automatically open a payment website, requiring no additional app. This eliminates the need for ParkMobile Ticket Takeover.

MONTHLY PARKER OPERATIONS

AVI readers will be installed in the entry and exit lanes to read monthly parker credentials for expedited, handsfree ingress and egress of the parking facility. The long-range readers offer a read range of up to 25 feet, enabling hands-free access without requiring patrons to roll down their windows to present a credential. A vend signal will automatically raise the gate, upon successful acknowledgement of the credential.

The Amano ONE access application and database provides the ability for “multi-credential” control. Access account holders, as an example, can have a proximity, AVI RFID hang tag, barcode credential, mobile QR code, or license plate number all managed with full access and anti-passback control.

VALIDATIONS

Convenient online and mobile validations allow authorized personnel to virtually validate entry tickets through a web browser on their cell phone, with no app required. Once the validation is applied, it is automatically recognized when the ticket is scanned at an Amano ONE payment device. Alternatively, validations can be printed or applied as a sticker on the entry ticket, which can then be scanned at an exit device for seamless exit. This flexibility makes the validation process simple and efficient for both users and administrators.

PRE-PAID THIRD-PARTY RESERVATIONS

Transient patrons can utilize the QR codes from approved third-party reservation apps and event ticketing agencies to pay for parking prior to arrival. Patrons scan their confirmation QR code at an entry lane device to gain access to the parking facility and at the exit lane device for egress from the facility. Patrons can scan a printed copy of their confirmation QR code or present the code on a smartphone. If payment is for a specified length of stay and the patron stays longer than the specified duration, they will be prompted to pay a fee for the additional length of stay when presenting the QR code at the exit device.

EVENT PARKING

Event goers can prepay for parking through authorized third-party reservation platforms like ParkMobile. The barcode receipt they receive can be scanned at lane devices for seamless parking access. Other mobile apps, such as Arrive, Park Chirp, and Spot Hero, can also be integrated to provide even greater flexibility, enabling customers to use their phones for a more convenient and streamlined parking experience.

Additionally, transient parkers at the ParkBOI Garages can conveniently pay upon entry at the 9th & Front location with entry stations equipped with credit card processing. Patrons can quickly select the event they are attending and pay for parking via chip, magstripe, contactless credit cards, or

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NFC. After completing the payment, the station issues a receipt credential that indicates the length of their stay. When exiting, patrons simply scan this credential at an exit station. This flexible, configurable operation allows parking fees to be collected upfront for special events. If patrons overstay the prepaid time, any additional fees are automatically calculated and collected before they exit the facility.

PERMIT MANAGEMENT
Our API interface technology allows us to simplify an integration with permit management to facilitate a seamless Amano ONE/Parking Base solution. The Parking Base customer facing portal allows customers to view their parking account, request parking, and pay for a parking permit. The Amano ONE system communicates with the Parking Base cloud account database backend to exchange and verify the validity of customer credentials when scanned at parking devices, payment stations, and hardware agnostic mobile devices.

NESTED RESIDENTIAL/MONTHLY PARKER AREAS
AVI readers will be installed at the entry and exit points of the nested areas reserved for residential and monthly parkers, enabling expedited, hands-free access. Upon detecting a valid credential, the system will immediately acknowledge it and send a vend signal to raise the gate, ensuring smooth and efficient entry and exit for authorized users. This setup ensures a seamless, contactless experience for frequent parkers.

BIKEBOI PARKING AREA
Proximity readers will be installed at the entrance to the designated bike parking area. When a valid credential is presented, the system will automatically send a signal to unlock the door, allowing access to the secured bike area. This ensures a secure and convenient entry process for authorized users of the bike parking facility.

ONE PASS HOTEL SOLUTION
Authorized hotel personnel can scan the hotel guest's barcode entry ticket in Amano McGann's ONE Pass application. Once the scan has been completed and verified in the Amano ONE system, hotel personnel can select the validity from and to date and time, enter the guest's phone number and email address, and save and/or send the pass to the hotel guest. The ticket can now be used to enter and exit the applicable parking facilities through the exit date and time. A barcode pass can also be sent via text or email that can be scanned at the Amano ONE lane devices for access in place of a ticket. If the patron overstays the valid pass date, they will automatically be notified of the overage fee and charged for the additional length of stay when presenting the ticket or barcode credential at the Amano ONE exit device.

YMCA INTEGRATION SOLUTION
YMCA customers can use their membership pass cards as credentials in the parking facilities through Amano ONE's credential API. The API integration will allow YMCA membership cardholder details to be shared with the Amano ONE platform enabling management to control access rights to the specific garage locations.

VALET SOLUTION
The unique barcodes on the pre-printed valet ticket hangtags will be loaded into the system using the Amano ONE import utility and will be utilized as a credential to manage access for valet drivers in the ParkBOI Garages. This solution allows management to track and control valet driver activity, ensuring proper use of the facilities.

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C.2 Proposed ParkBOI PARCS System Hardware

AMANO ONE CUSTOM FACEPLATE OPTION

The faceplate graphics on the Amano ONE entry, exit, and pay-on-foot stations are fully customizable. The graphics can be tailored to reflect the branding of each garage and align with the ParkBOI identity, helping patrons easily identify the garages while reinforcing the ParkBOI brand. In addition to branding, the graphics can incorporate welcome messages, highlight the city, or provide specific patron instructions to enhance the customer experience. Sample graphics shown for reference.





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AMANO ONE ENTRY STATION



Amano ONE Entry Stations will be installed in the entrance lanes to the parking facilities. The device dispenses 2D barcode tickets for transient patrons when touching the “Press Here for Ticket” icon on the display screen. The entry station accepts proximity access credentials, mobile credentials, pre-paid barcode passes, and validations.

Intuitive user guidance is provided through a large, touch screen display panel with built-in camera and intercom for call center capability utilizing the Umojo customer service solution. Parking rates can be displayed on screen, eliminating the need for any additional signage and the faceplate can easily be custom printed for branding or additional instructions.

The Amano ONE Entry Station operates on 120VAC, 60Hz power and is environmentally rugged for outdoor settings. The heavy-duty 14-gauge steel construction with textured powder-coat finish is conducive to various climate conditions. The operating temperature can range between -40° and 130° F and 10-95% non-condensing humidity with a heater kit. The device has easy-to-use side and front access panels with a hinged door that is key-accessible by authorized technicians. Each device is typically mounted to a five- or six-inch concrete curb with four internal mounting bolts.

Features

- Issues 2D barcode tickets.
- 10” color touch screen display.
- Barcode scanner.
- Optional proximity access reader.
- Built-in camera and intercom (to be used with third-party Umojo solution).
- Native call center capability..
- TCP/IP network connectivity
- Modular USB components for simplified service.
- Cloud platform for simplified deployment and seamless updates.
- Communicates with Amano ONE cloud-based software.
- Optional custom graphic panel.

AMANO ONE PAY-ON-ENTRY STATION



Amano ONE Pay-on-Entry Stations will be installed in the entrance lanes to the 9th & Front parking garage. The device dispenses 2D barcode tickets for transient patrons when touching the “Press Here for Ticket” icon on the display screen. The entry station accepts barcode credentials, proximity access credentials, and pre-paid barcode passes while providing an unattended, automatic operation to manage events or specialized parking needs with the ability to collect parking fees upon entry to the facility.

The Pay-on-Entry Station offers enhanced customer convenience through intuitive user guidance, a large touchscreen display panel with built-in camera and intercom for call center capability utilizing the Umojo customer service solution.. The device allows patrons to quickly identify the event they are attending, select, and pay for their parking via chip, magstripe and contactless credit card or NFC. Upon completion of payment, the station issues a receipt credential that identifies the paid length of stay. Upon exit, patrons scan the credential at an Amano ONE Exit Station. This configurable operation provides flexibility to collect parking fees up front from patrons attending special events. Prepaid tickets are valid through the paid-thru date and time, and upon leaving, any overstay fees are calculated and collected prior to exiting the parking facility. Credit card payment acceptance is enabled through Windcave for secure EMV payment processing with point-to-point encryption.

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Parking rates can be displayed on screen, eliminating the need for any additional signage and the faceplate can easily be custom printed for branding or additional instructions.

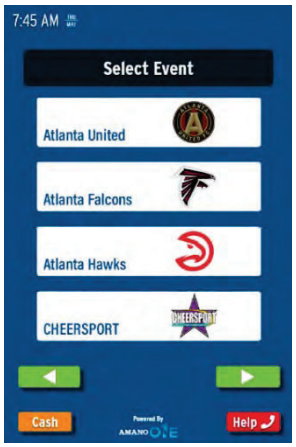
Integration with the Amano ONE software cloud platform allows management to pre-program events in advance and customize the displays with the event graphics to improve user interaction. This function can be set to specific dates and times or recurring days so operations can use the Amano ONE station as a standard entry device and automatically change it to an event driven pay-on-entry mode.

The Amano ONE Pay-on-Entry Station operates on 120VAC, 60Hz power and is environmentally rugged for outdoor settings. The heavy-duty 14-gauge steel construction with textured powder-coat finish is conducive to various climate conditions. The operating temperature can range between -40° and 130° F and 10-95% non-condensing humidity with a heater kit. The device has easy-to-use side and front access panels with a hinged door that is key-accessible by authorized technicians. Each device is typically mounted to a five- or six-inch concrete curb with four internal mounting bolts.

Features

- EMV-ready contact and NFC credit card acceptance with P2PE.
- NFC terminal with options for Apple Pay, Google Pay, and more.
- Accepts credit cards, validations, and pre-paid barcode passes.
- Issues 2D barcode tickets.
- 10” color touch screen display.
- Barcode scanner.
- Optional proximity access reader
- Built-in camera and intercom (to be used with Umojo solution).
- Native call center capability.
- TCP/IP network connectivity.
- Modular USB components for simplified service.
- Cloud platform for simplified deployment and seamless updates.
- Communicates with Amano ONE cloud-based software.
- Optional custom graphic panel.

Sample Event Screen



AMANO ONE CREDIT CARD EXIT STATION



Amano ONE Credit Card Exit Stations will be installed in the exit lanes for credit card acceptance. The device processes 2D barcode tickets from Amano ONE Entry Stations, Pay-on-Foot Stations or Mobile Payments for transient parkers. The exit station also accepts proximity access credentials, validations, and pre-paid barcode passes. Credit card payment acceptance is enabled through Windcave for secure EMV payment processing with point-to-point encryption.

Intuitive user guidance is provided through a large, touch screen display panel with built-in camera and intercom for call center capability utilizing the Umojo customer service solution. The faceplate can easily be custom printed for branding or additional instructions.

The Amano ONE Credit Card Exit Station operates on 120VAC, 60Hz power and is environmentally rugged for outdoor settings. The heavy-duty 14-gauge steel construction with textured powder-coat finish is conducive to various climate conditions. The operating temperature can range between -40° and 130° F and 10-95% non-condensing humidity with a heater kit. The device has easy-to-use side and front access panels with a hinged door that is key-accessible by authorized technicians. Each device is typically mounted to a five- or six-inch concrete curb with four internal mounting bolts. For wall mounted locations, the faceplate and device components will be retrofitted to the existing cutout locations.

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Features

- P2PE EMV-ready contact and NFC credit card acceptance through Windcave.
- NFC terminal with options for Apple Pay, Google Pay, and more.
- Accepts credit cards, validations, and pre-paid barcode passes.
- 10” color touch screen display.
- Barcode scanner.
- Optional proximity reader.
- Built-in camera and intercom (to be used with third-party Umojo solution).
- Native call center capability.
- TCP/IP network connectivity.
- Modular USB components for simplified service.
- Cloud platform for simplified deployment and seamless updates.
- Communicates with Amano ONE cloud-based software.
- Optional custom graphic panel.

AMANO ONE CREDIT CARD PAY-ON-FOOT STATION



Amano One Credit Card Pay-on-Foot Stations utilize the same housing and components as the Amano ONE Entry and Exit Stations and will be installed to provide convenient payment options for patrons and an accelerated exit process. The device accepts 2D barcode tickets from Amano ONE Entry Stations for transient patrons and accepts validations. Credit card payment acceptance is enabled through Windcave for secure EMV payment processing with point-to-point encryption.

Intuitive user guidance is provided through a large, touch screen display panel with built-in camera and intercom for call center capability utilizing the Umojo customer service solution.. The faceplate can easily be custom printed for branding or additional instructions.

The Amano ONE Credit Card Pay-on-Foot Station operates on 120VAC, 60Hz power and is environmentally rugged for outdoor settings. The heavy-duty 14-gauge steel construction with textured powder-coat finish is conducive to various climate conditions. The operating temperature can range between -40° and 130° F and 10-95% non-condensing humidity with a heater kit. The device has easy-to-use side and front access panels with a hinged door that is key-accessible by authorized technicians.

Features

- P2PE EMV-ready contact and NFC credit card acceptance through Windcave.
- NFC terminal with options for Apple Pay, Google Pay, and more.
- Accepts credit cards and validations.
- 10” color touch screen display.
- Barcode scanner.
- Built-in camera and intercom (to be used with third-party Umojo solution).
- Native call center capability.
- TCP/IP network connectivity.
- Modular USB components for simplified service.
- Cloud platform for simplified deployment and seamless updates.
- Communicates with Amano ONE cloud-based software.
- Optional custom graphic panel.

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AMANO ONE CASH & CREDIT CARD PAY-ON-FOOT STATION



Amano ONE Cash & Credit Card Pay-on-Foot Station will be installed to deliver the convenience of cash acceptance and an expedited exit process. The pay-on-foot station processes 2D barcode tickets from the Amano ONE Entry Stations and manages payments via cash, credit card, and validations. The device dispenses four bill denominations and features a cash loader cassette and three note cassettes for recycling. Credit card payment acceptance is enabled through Windcave for secure EMV payment processing with point-to-point encryption.

Intuitive user guidance is provided through a large, touch screen display panel with built-in camera and intercom for call center capability utilizing the Umojo customer service solution. The faceplate can easily be custom printed for branding or additional instructions.

The Amano ONE Cash & Credit Card Pay-on-Foot Station operates on 120VAC, 60Hz power and is environmentally rugged for outdoor settings. The heavy-duty 14-gauge steel construction with textured powder-coat finish is conducive to various climate conditions. The operating temperature can range between -40° and 130° F and 10-95% non-condensing humidity with a heater kit. The device has easy-to-use side and front access panels with a hinged door that is key-accessible by authorized technicians.

Features

- P2PE EMV-ready contact and NFC credit card acceptance through Windcave.
- NFC terminal with options for Apple Pay, Google Pay, and more.
- Accepts cash, credit cards, validations, and pre-paid barcode passes.
- Banknote recycler.
- 10” color touch screen display.
- Barcode scanner.
- Built-in camera and intercom (to be used with third-party Umojo solution).
- Native call center capability.
- TCP/IP network connectivity.
- Modular USB components for simplified service.
- Cloud platform for simplified deployment and seamless updates.
- Communicates with Amano ONE cloud-based software.
- Optional custom graphic panel.

AWID UHF AVI LONG-RANGE ACCESS READER



AWID LR-3000 Ultra High Frequency (UHF) AVI Access Readers will be installed in the entry and exit lanes to enable hands-free, expedited ingress and egress. These readers accept RFID windshield and hang tag credentials, allowing authorized access to assigned parking areas. With a read range of up to 25 feet, the AVI readers are highly effective for quick, contactless access. However, the AWID XM-700 extended-range readers, with their 7-foot read range, can be installed in the lane devices and will meet or exceed the goal of expedited access, eliminating the need for patrons to roll down their windows to present a credential.

Features

- Read ranges of up to 25 feet.
- Compact package of 9.8 x 9.8 x 1.3 inch.
- Programmable read repetition rate for one-shot or multiple reads.
- Utilizes passive RFID technology; no battery required for tags.
- Industry standard Wiegand and RS-232 data output.
- Certified with FCC regulation.
- Protection Class: IP65.

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AMANO ONE ACCESS DEVICE W/AWID XM-700 UHF READER



Amano ONE Access Readers will be installed for access to the secured BikeBOI bicycle parking area. AWID XM-700 extended range UHF proximity readers will be utilized and provide a read range of up to 7 feet. The same UHF credential can be used with the access reader and long-range AVI readers. Once the credential is successfully acknowledged, the access system sends a signal triggering the door to the bike area to unlock.

This access reader is also equipped with a barcode scanner for barcode credentials and parking passes. Enhanced customer service will be provided through the integrated intercom and pinhole camera for call center capability utilizing the Umojo customer service solution. The built-in display and customizable graphic panel simplify user interaction.

Features

- AWID XM-700 UHF proximity access reader with read range up to 7 feet.
- Barcode scanner.
- Built-in 5” user display.
- Built-in camera and intercom (to be used with third-party Umojo solution).
- TCP/IP network connectivity.
- Modular USB components for simplified service.
- Cloud platform for simplified deployment and seamless updates.
- Communicates with Amano ONE cloud-based software.
- Optional custom graphic panel.

CREDIT CARD SUBSYSTEM



The Amano ONE system is equipped with EMV credit card readers that utilize a cloud-based third-party payment gateway from Windcave. Windcave is a validated PCI P2PE solution, ensuring secure management of credit card transactions and payment services through point-to-point encryption. The all-in-one contact and contactless terminals accept NFC technology, Apple Pay, and Google Pay for seamless, secure payments. The Amano ONE software platform and parking hardware, in combination with Windcave terminals, provide a comprehensive credit card payment solution. No unencrypted credit card data or sensitive authentication data is ever stored or transmitted by the Amano ONE system, as the terminals encrypt all card data immediately upon swipe or read, ensuring maximum security.

Features

- All-in-one contact and contactless payment terminal.
- PCI P2PE compliant for secure transactions.
- Accepts magstripe cards, EMV contact cards, and contactless payment.
- User-friendly interface with color LCD with backlit function buttons.

AMI-1200 SERIES DIRECT DRIVE GATE



AMI-1200 Series Universal Direct Drive Gates will be installed in all entry and exit lanes to control access to each facility. Each gate comes with a dual-channel vehicle detector that will connect to the saw-cut inductance loops.

The gate connects to the universal controller in the Amano ONE entry or exit device and relays lane activity data in real-time to the Amano ONE cloud-based software, which provides the mechanisms to trigger full signs, disable devices, and other control functions that are driven by facility count thresholds. The AMI-1200 runs on 120V power, has four interior mounting bolts, and a removable access panel and gate hood. The heavy-duty powder coated 14-gauge steel provides durability in all environmental conditions.

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Features

- Direct drive barrier gate.
- Architectural cabinet design.
- DC direct drive gear-motor.
- Selectable “Auto-Up” under power failure.
- Standard “extra sensory” safety feature.
- Gear motor clutch to reduce damage.
- Plug-in dual vehicle detector.
- Thermostatically controlled heater.

UNINTERRUPTABLE POWER SUPPLY (UPS)

The PSH850-UPS-STAT is designed to safeguard critical systems with 850VA capacity. The UPS device will be installed in each lane and for each pay-on-foot station to provide backup power in the event of an outage. The device is encased in a durable 14”x16”x6” metal enclosure.

DYNAMIC MESSAGING DISPLAY SIGN

The existing Daktronics signs utilize an older communication scheme which is not compatible with the communications utilized by Amano ONE. As such, we are providing updated LED based inserts for the existing cabinets whose protocols are compatible with Amano ONE.

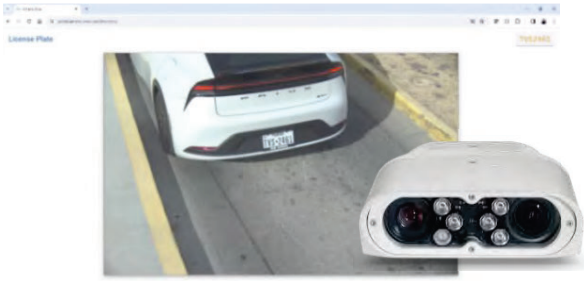
OPEN/CLOSEDSTATUS SIGNS

Red/Green LED Open/Closed sign from Signal-Tech will be installed in the entrance lane to provide availability status to parking patrons. The sign measures 7”H x 18”W x 2.5”D with 3.5” characters. Green indicator lights are utilized for OPEN and red for CLOSED. The cabinet is constructed of a corrosion resistant, extruded all-weather frame with a Duranodic Bronze finish and is UL/UL Listed for wet locations. The face of the sign is constructed with 1/8” thick diffused acrylic.



LPR TECHNOLOGY (OPTIONAL)

We have provided details regarding our License Plate Recognition (LPR) solution for your consideration. However, after careful assessment, we have decided to exclude LPR from our main quote at this time. This decision is primarily due to the requirement for a 100% performance bond and concerns about how the physical layout of the lanes may affect camera placement and overall read rates. Our LPR capture and read rates average 98-99%. To achieve this read rate goal for your operation, our Genetec SharpV camera placement in the lane is key for success. Based on our detailed site review of the parking facilities, we do not believe there is space for the successful capture rates you are looking to achieve. We understand the importance of LPR for your operations and are open to working with you on this solution outside of the current scope. To facilitate this, we have prepared an estimated price per lane for adding LPR to your setup, should you choose to pursue it.



The Amano ONE advanced fixed lane License Plate Recognition (LPR) solution interfaces with the industry leading Genetec SharpV camera. The system provides the highest-class in image capture technology with onboard processing and an all-in-one plug-and-play enclosure. The camera uses a high-resolution IR Imager (1280 x 960) that performs image recognition technology of vehicles in the entrance and exit lanes and is specifically built for LPR. With the ability to use the machine learning core at the edge, the accuracy increases significantly versus a simple rules-based OCR engine and a simple networked camera. LPR

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capture and read rates average 98-99%. As noted previously, we do not believe the layout of the parking facilities provides adequate space for proper camera placement.

The SharpV camera combined with the Amano ONE software platform can be deployed in a front plate capture or rear plate capture maximizing performances to accommodate typical logistical challenges in most parking facilities. This flexible configuration provides enhanced frictionless control for both revenue control and access-based functionality to accelerate monthly and transient parking.

Access parkers can use their license plate number (LPN) as a credential in all parking areas for which they have been granted access. Parkers whose LPN is on file as part of their cardholder profile may enter and exit parking facilities without presenting any other credential to the lane terminals. When a parker enters or exits the lane, their LPN is captured, read, and authorized by the Amano ONE software which manages credential usage to ensure anti-passback rules are enforced. The LPN can also be captured and tied to the entry ticket for transient patrons. Upon exiting the facility for parkers who paid upon entry or at a pay-on-foot station, the LPN can be read and compared to their ticket to ensure it matches the LPN used on entry. The patron's LPN can also be used to verify entry details for fee calculation in the event of a lost or damaged ticket.

Features

- Cloud-based software deployment.
- Responsive design, no apps required.
- Expedited throughput.
- Supports License Plate-as-a-Credential.
- Supports License Plate-as-a-Third-Party Pass credential.
- Plate text is printed on entry tickets.
- Transient fee auto-calculates on exit.
- Plate text is searchable through Call Center.
- Customizable alerts for specific license plates.

C.3 Proposed ParkBOI System Software

AMANO ONE CLOUD-BASED PARCS SOFTWARE

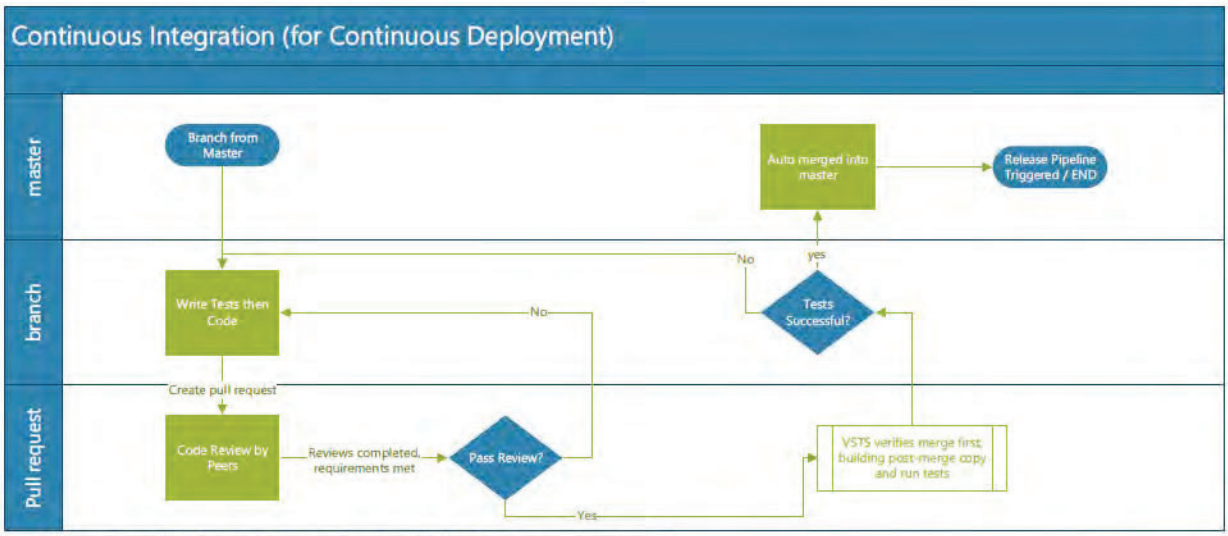
Amano ONE is a simplified, powerful, and reliable cloud-based Parking Access and Revenue Control System that optimizes parking operations. The responsive design allows the user to manage parking operations from any device using the latest in cloud security to deliver an intuitive system. The platform provides complete monitoring and control of all Amano ONE devices using advanced security from our cloud provider, Amazon Web Services (AWS), to ensure data is secured, protected, and always available via the multi-data center infrastructure through AWS.

The platform provides seamless updates and is designed to allow the updates to be applied remotely without the need for on-site support. All update data is viewable on our Amano ONE system status page at https://amanomcgannstatuspage.statuspage.io/. The platform is intelligent in that each device will wait until it is idle to apply the update. Once the platform sees the device is not in use, it will update typically within 15-20 seconds. If any issues are encountered during the update, it will roll back the device to the previous state. Real-time 24/7 access is available through our software deployment using a "multi-tenant" configuration. This approach means that in the event any application should fail, the other software tenants instantaneously activate delivering the performance you demand and maximizing the customer experience.

We are a CI/CD agile development company, and the Amano ONE software development and engineering teams manage new version development and updates through a three-week sprint cycle with deployment occurring in the fourth week. If an issue is deemed critical, it is handled through a hot fix and deployed upon completion of the work and relevant testing. The evolving adoption and incorporation of features and functionality is influenced by our partners and end-users.

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Our process allows clients to always be on the latest version of software and eliminates any downtime to the locations. The following graphic illustrates the process.



* No code can be checked into master directly, VSTS repo will always refuse.
* Minimum number of code-reviewers assigned to a pull request.
* Release pipelines will manage deployment to DEV, QA, PROD

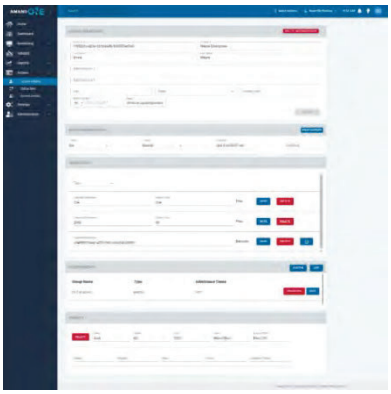
The Amano ONE cloud-based software technology solution is Linux based, highly scalable, and provides web enabled access through secured user and password credential authorization. Amano McGann leverages Amazon Web Services (AWS) to deliver the required services to be available, scalable, and secure. AWS Global Cloud Infrastructures are designed and built for redundancy, performance, and reliability, from regions to networking links to load balancers to routers to the firmware. Amano ONE uses the latest in cloud security and 24/7 AWS monitoring for the utmost in reliability. The system includes:

- PCI compliant architecture.
- Dedicated client environments (not shared with other clients).
- Point to point encrypted connection from customer to cloud.
- Data is never directly exposed to the internet.
- Customer controlled user access.
- Multiple levels of application access and controls.
- Change management policies.
- Nightly backups for systems, database, and data.
- Continuous improvement via ongoing development updates.

All application, server instances, and storage repositories are also designed to have a completely redundant and fault-tolerant architecture so there is never a single point of failure across physical servers, environmental, network, or storage points. All customer data is stored in the secured AWS environment per the solution term. Additionally, application systems and databases are backed up nightly to ensure recovery of all system, customer data, and application configurations and critical analytical data. Our Cloud SaaS platforms are specifically aligned with the city's compliance and governance requirements, including SSAE 18 Type II, ISO/IEC 27001:2013, HIPAA, SOC 2, PCI compliance, and more, with security starting at the core infrastructure. Custom-built for the cloud and designed to meet the most stringent security requirements, our infrastructure is monitored 24/7 to help ensure the confidentiality, integrity, and availability of client data. We build on the most secure global infrastructure, knowing the client owns their data, including the ability to encrypt it, move it, and manage retention.

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ACCESS MANAGEMENT

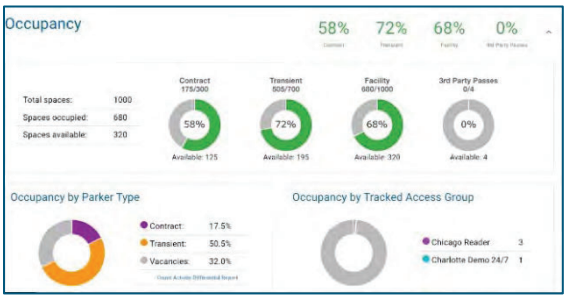


Amano ONE facilitates simplified setup and flexibility for access holders with multi-credential management for each patron and unlimited access groups. Soft and hard anti-passback can be enforced across all credentials associated with patron accounts. System users can add and update account records with ease and search existing accounts by name, credential number, license plate, or vehicle make or model. Authorized users can view access holder activity from the dashboard with user-selectable filters for credential and activity type.

Features

- Multiple credentials per user
- Barcode, proximity, AVI, and more.
- Email barcode credentials directly from the software.
- Add, edit, and delete access holder records by individual account or access group.
- View access holder activity from dashboard with one-click access to detailed reports.

COUNT & OCCUPANCY



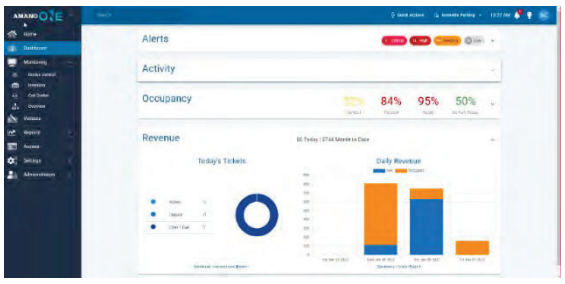
Count data detail is critical in understanding the occupancy and utilization of parking assets to drive revenue performance and improve the customer experience. The Amano ONE web portal for count statistics allows the system to be setup and configured for various zones to track occupancy, display data on dashboards, and report on live transactions from transient and contract patrons. All lane devices securely communicate real-time activity and include the device identity, location, date, and time of where the activity occurred. Differentiated space occupancy and availability for visitor, cardholder contract parking, and total facility are captured and displayed in the activity and occupancy dashboards providing total spaces, spaces occupied, and spaces available.

The count configurations and occupancy data provide notifications when the facility or lot is full. The alarms can be delivered to any mobile device, tablet, or workstation via a secure internet connection. Authorized personnel can override occupancy thresholds for both transient and contract parkers and disable lot full signs without impacting the performance of the count system.

Features

- Track count data in real-time.
- Occupancy dashboards display spaces occupied and spaces available.
- Capture space occupancy and availability for transient, contract, and total facility.
- View count activity from dashboard with one-click access to detailed reports.

REVENUE MANAGEMENT



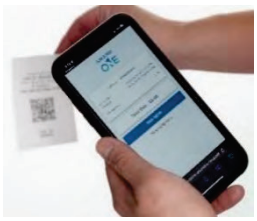
Amano ONE tracks and records all revenue-based transactional activity from all lane and payment devices. The dashboard displays real-time, graphical transaction information to easily monitor system operations and quickly alert management of system alarms. Authorized users can setup, test, and deploy rates through the Amano ONE software platform. Users also have the ability to view how rates are displayed on device screens to ensure clear illustration to patrons.

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Features

- Configure, enable, or disable devices.
- View real-time and historical transactions.
- Remote rate management and deployment.
- Graphical dashboard overviews with one-click access to detailed reports.

MOBILE PAYMENTS (No App Required)



Mobile payments are as simple as scan-and-pay with Amano ONE. Patrons simply scan their entry ticket with their smartphone to automatically open a browser with the payment website. From there, they can view their parking fee, process a secure payment, and, optionally, receive a receipt via email.

Features

- Secure mobile payment.
- No app to download.
- View parking fees.
- Optional receipt via email.
- Optional convenience fee.

MOBILE CASHIER

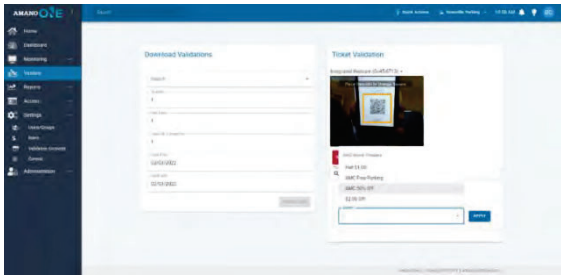


Amano ONE Mobile Cashier allows parking attendants to conveniently assist patrons with cash or credit card payments and process pre-paid passes and validations. Mobile Cashier operates in both pay-on-entry and roaming cashier modes. Attendants use a mobile device, equipped with a camera and internet connection, to log in to the Amano ONE software in conjunction with a mobile gateway device to process transactions and print receipts on-demand. The mobile gateway device can process Chip and NFC credit card payments as well as print both credit card and cash transaction receipts. All transactions are accounted for in Amano ONE back-office software for a clear and accurate audit trail.

Features

- Flexible credit card and cash payments.
- Responsive design with no apps required.
- On-demand receipts.
- Audit trail for cash payments.

VALIDATIONS



Amano ONE offers printed and online validation solutions to provide discounted parking fees. Mass/bulk validation coupons can be printed or applied directly to a patron's ticket via a sticker. Patrons simply scan their entry ticket and validation sticker to apply a discount and calculate the parking fee at an Amano ONE payment device. Convenient online solutions allow authorized personnel to virtually validate entry tickets through a web browser, so the digital validation is automatically applied when the ticket is scanned at an Amano ONE payment device.

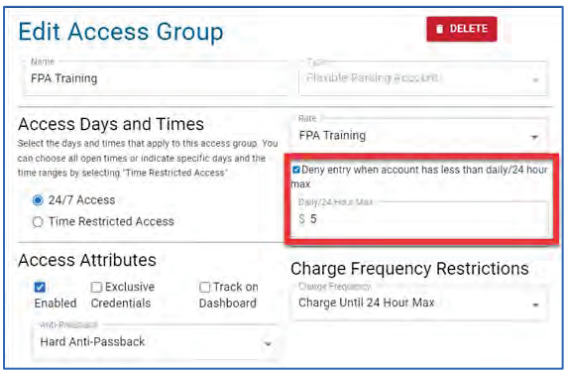
Features

- QR code.
- Virtual or printed validations.
- No app needed.
- Consolidated reporting.

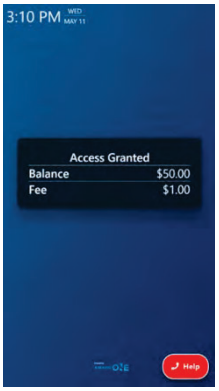
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FLEXIBLE PARKING ACCOUNT

The Amano ONE Flexible Parking Account, also known as Debit Accounts, allows a parker to pay for the parking they actually use versus a fixed fee regardless of how much they park. An account is set up for parkers with a credit card on file which is automatically charged for their parking fees when parked and can be used to pay for additional funds when their account balance drops below a set threshold. Additionally, the parker has the option to receive email notifications to advise them to manually replenish the funds in the account.



Amano ONE provides unlimited parking rates that are assigned to access groups providing increased opportunities to drive revenues based on the parkers duration of stay vs. a flat rate. Management has ultimate control with tools to deny a parkers access if their balance falls below this threshold, add additional charge frequencies up to the daily maximum rate, and assign the access group to a specific set of readers. The charge frequency restrictions are used to limit the amount a parker is charged when they come in and out multiple times a day preventing an over charge such as when the parker leaves for lunch.



Access holders can also be assigned to multiple access groups with the options of charging different rates based on the readers used and time of day. Finally, as the access holder enters and exits the facility the large color display on the Amano ONE lane hardware can be programmed to show the fee and current balance.

THIRD-PARTY INTEGRATIONS / OPEN API



The Amano ONE PARCS technology is designed with an open architecture and provides an advanced API solution using Swagger which is a powerful, easy-to-use suite of API development tools enabling open design, testing, and deployment. This innovative integration technique allows us to provide best in class third-party aggregators and a wide variety of alternative parking solutions to interface with our Amano ONE platform. Customer management reporting and data acquisition can now be consolidated in one single cloud technology and dashboard for unified day-to-day operations. Our interface technology allows facilities to provide patrons with an enhanced customer experience which includes parking reservations, coupons, pre-paid event parking, citation and permit management, on-street parking convenience control, and hotel and valet integrations. The system communicates with aggregators to verify the validity of customer credentials when scanned at parking devices and payment stations. APIs allow facilities to accept pre-paid reservations from third-party aggregators and allow for added payment options and enhanced customer service opportunities.

Patrons simply scan their paid credential at the barcode scanners in the lane devices for authorized access to the appropriate parking locations. If payment is for a specified length of stay and the patron exceeds the duration, they can be charged a fee for the additional length of stay when presenting the barcode credential at the device. Pre-booking credentials of either paper or electronic barcodes can be scanned in the built-in barcode readers installed in all Amano ONE lane hardware devices.

The Amano ONE APIs are designed into segmented modules based on their data interfaces to include but not be limited to:

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Revenue API Credentials
- Event & Pre-Paid Reservations
- Mobile Payment

Count API
- Space Management
- Way Finding

Data API
- Data Integration
- BI Tools

Access API
- Permit Management
- Access Permits
- Analytics
- Enforcement

Command API
- Third-Party Voice Integration
- Two-Way Video
- Remote Lane Control

An interface through our Open API with reservation aggregators such as Arrive, ParkMobile, or SpotHero allow parkers to utilize a unique barcode generated by the reservation app to enter and exit the parking facilities by presenting the barcode at entry and exit stations. The Amano ONE API solution can also be utilized to manage pre-paid parking in coordination with event tickets purchased through ticket agencies such as Ticketmaster. Upon arrival at the parking facilities, event goers pre-paid barcode receipt credential can be scanned at an Amano ONE entry station or via a mobile cashier for validation of pre-payment.

Current Amano ONE supported API integrations include:

Vendor	Type
AeroParker	Reservations
AIMS	Access Permits, Payroll Deduction
Airport Parking	Reservations
BuildingHub	Access Control
Cove	Reservations
Fluid Solutions	Access Control
Honk Mobile	Reservations
IPDisplays	Count Sign Display
OSSI	Events/Reservations
Park Chirp	Reservations, Accounts Receivable
Park Whiz (Arrive)	Reservations
Parker	Intercom/Device Control
Parking Base	Accounts Receivable
Parking Guidance Systems (PGS)	Counts, Wayfinding
PARIS (Integrapark)	Accounts Receivable
ParkHub (in process)	Events
ParkMobile	Reservations
ParkRoll	Reservations
Parkway Parking	Reservations
Smarking	Analytics
spAce	Reservations
Space Genius	Reservations
SpotHero (Parking Panda)	Reservations
Ticketmaster	Events/Reservations
Zephire	Accounts Receivable

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PERMIT MANAGEMENT SYSTEM

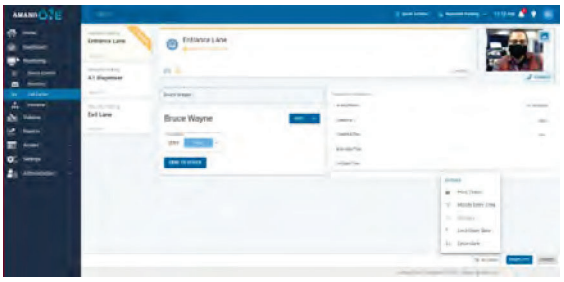
Utilizing our open API architecture allows us to seamlessly interface with “best-in-class” aggregators such as Parking Base, to deliver a single integrated cloud solution. Real-time activity, reporting, and system management can be accomplished using the highly responsive system software dashboards for your customer permitting management.

Our API interface technology allows us to simplify an integration with permit management to facilitate a seamless Amano ONE/Parking Base solution. The Amano ONE system communicates with the Parking Base cloud account database backend to exchange and verify the validity of customer credentials when scanned at parking devices, payment stations, and hardware agnostic mobile devices.

The Parking Base system will enhance customer service by providing a customer facing portal to view and manage their entire parking account from their smartphone or desktop browser. The Amano ONE/Parking Base integrated solution will provide an extensive reporting menu, built-in dashboards, and maps displaying data such as garage occupancy, revenue, permit statistics, and more for administrative management of your facilities.

The Parking Base Customer Portal module is a responsive, customer facing web app for parking self-service. Customers can login-in to the portal and view their parking account, request parking, and pay for a parking permit. Management reports can be categorized by customers, financials, permits, and vehicles. Reports can also be generated for specific customers and can display billing history, amounts due, payments posted, permit history, and more. All business rules including, but not limited to, permit rate structures can be manipulated across the system via an easy-to-use administrative tool.

BUILT-IN CALL CENTER UTILIZING UMOJO



Amano ONE delivers enhanced customer support through a built-in call center. Parking operations or support personnel can utilize the camera and intercom built into all Amano ONE entry, exit, and pay-on-foot stations to easily respond to calls from any web-enabled device. The built-in call center functionality also provides the ability to view device status and transaction details, push new rates, apply discounts, change access parker status, and vend gates.

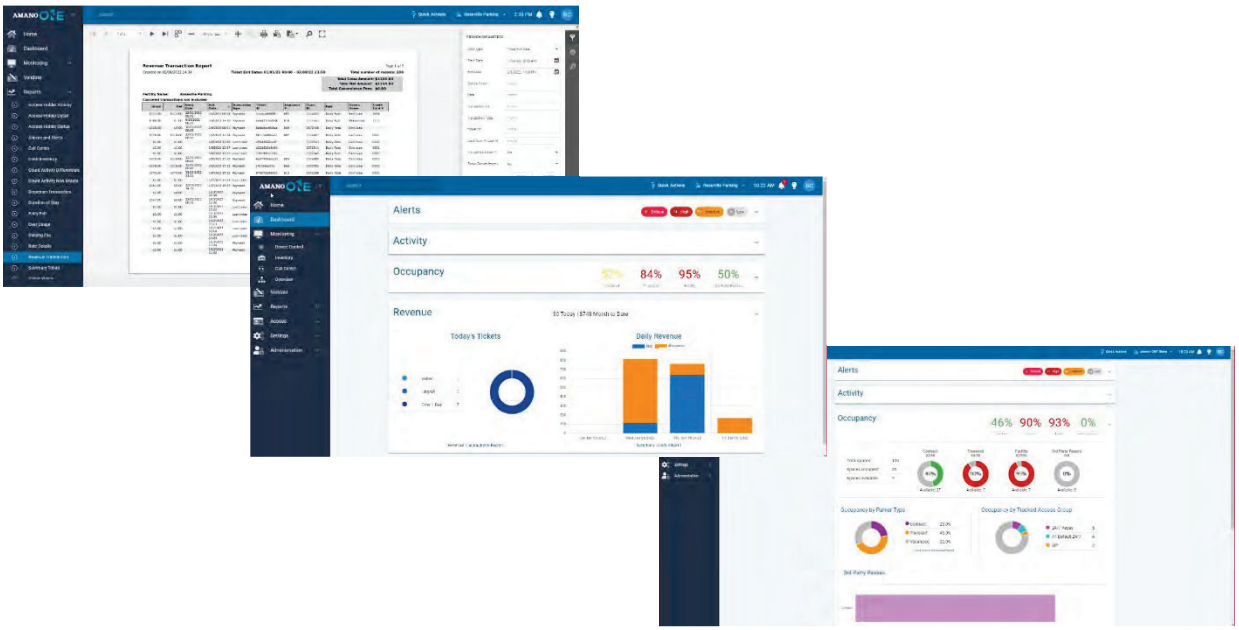
Features

- Native call center with built-in camera and intercom.
- View lane device status and transactional details.
- Push rates to Amano ONE devices.
- Change monthly status.
- Vend gates.

DASHBOARDS & REPORTING

Amano ONE offers intuitive, interactive dashboards with comprehensive reporting designed to manage a single facility or an entire portfolio. Dashboard overviews put important information at your fingertips with real-time revenue and occupancy views paired with actionable alerts. The software also provides the ability to select and modify an extensive range of reports to meet the specific requirements of your operations. Reports can be exported to a variety of formats including .CSV, .XLS, .PDF, HTML, and Text.

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Features

- Comprehensive reporting tool.
- Dashboard overviews with one-click access to detailed reports.
- Interactive reporting with a multitude of parameter filters.
- Actionable alerts accessible from the dashboard.

C.4 Phasing and Transition Plan

1) Implementation Plan

Our project delivery approach will balance the competing needs to minimize the impact of the project on parking operations and patrons, while delivering the system as expeditiously as possible. The team will take a phased approach to deployment, commissioning, and testing of the new Amano ONEPARCS solution. The following key milestones will need to be met to accomplish the project's goals and objectives.

• Contract Award / NTP	January 30, 2025
• Project Kickoff	March 3, 2025
• Ship Equipment	8-10 Weeks
• Installation	April 7, 2025 – July 2, 2025
• Full System Commissioning	April 7, 2025 – July 2, 2025
• Operational Completion Testing	July 7, 2025 – July 18, 2025
• Final Acceptance	August 6,, 2025
• Begin Warranty	August 6, 2025

Our team will monitor the project through weekly meetings. Tasks will be reviewed to ensure progress and project schedules are updated accordingly. A two-week look-ahead will also be presented as part of the meeting to ensure sufficient notice is given for task assignments. Tasks that are on the critical path will be presented at the first meeting and every meeting thereafter. Any task that will impact on the schedule will be presented and discussed during the meeting. The project managers are responsible for reporting to the project teams any risks or missed task completions regularly and will not wait until the next scheduled meeting.

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A strong management approach, clear understanding of responsibilities, and effective communication between the various parties are required to efficiently manage a project of this magnitude. Team responsibilities are defined in the chart below:

Functions of Amano McGann	
▪ Mobilization ▪ Requirements and Solution Analysis ▪ Design and Construction Phase Initiation ▪ Equipment Procurement and Delivery ▪ Technical Design Development ▪ Application Software Design Documentation ▪ Equipment Removal and Installation ▪ Equipment Commissioning	▪ Factory Acceptance Testing (FAT) ▪ Lane Acceptance Testing (LAT) ▪ Operational Completion Testing (OCT) ▪ Field and System Testing ▪ Training and Documentation ▪ Final System Acceptance ▪ Warranty Support ▪ System Maintenance
Third-Party Equipment Vendors	
▪ Delivery of Materials ▪ Design/Engineering for Specific Application	▪ Application Assistance ▪ Payment Systems Integration
Functions Assigned to CCDC & ParkBOI	
▪ Meeting Attendance ▪ Pre-Installation Form ▪ Design Review and Assistance ▪ Fiber Network Infrastructure Review ▪ Cooperation on Maintenance Response ▪ Credit Card Merchant Account Coordination ▪ Submittal Review ▪ Employee/Parker Cardholder Database Info	▪ Establish Relationship for any Third-Party Integrations ▪ On-site Activities Coordination ▪ Power and Communication Network Review ▪ Cooperation on Preventative Maintenance

The project installation team can quickly transition to the new technology as outlined in the specifications for the ParkBOI Garages. Our unique, advanced quick scan onboarding technology allows us connect Amano ONE lane equipment to the cloud-based parking software server within a few minutes of connecting the equipment to the network.

This deployment approach will significantly minimize disruption to the customer experience in accessing and egressing the ParkBOI Garages. Working lane by lane, our installation team will install equipment with our proposed solution of lane hardware. As each lane is installed, it will be connected to the new Amano ONE cloud-based parking system software. Once all lanes have undergone Lane Acceptance Testing (LAT) and have been approved as functional, the facility will be put into operation. Any lanes that fail LAT will result in immediate analysis and correction in anticipation of retesting with minimal to no impact to the project schedule.

Given the complexity of installing a modern facility system, coupled with the number of technologies required to be installed, it is imperative that a very detailed and accurate implementation plan be developed, vetted, and agreed upon by all parties with a stake in the project. At Amano McGann, we believe in the idea that a well-structured plan is critical to minimize risk and to the installation of the new systems with minimal negative impact on the parking public. As part of our installation approach, we assemble various teams to focus on the software and network, hot stage the equipment, and install the equipment. Each team will concentrate on the specific tasks required to complete the project on time and on budget. This division of duties allows us to effectively utilize the strengths of each individual team member and allows us to work on the different phases of the project at the same time.

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Our project management team will establish realistic deadlines and track installation progress to ensure all tasks remain on schedule. Any issues that arise will be addressed promptly to determine the potential impact on the project schedule and the best course of action to keep the project on track. Details of the project plan will likely change as the project progresses. While change is both inevitable and required, it is essential to note that any changes to the project plan will impact at least one of three critical success factors: available time, available resources, or project quality.

The decision by which to make modifications to the project plan (including project scope and resources) should be coordinated using the following process:

Step 1: As soon as a change that impacts project scope, schedule, staffing, or budget is identified, the project manager will document the issue.

Step 2: The project manager will review the change and determine the associated impact on the project and will forward the issue, along with a recommendation, to CCDC and ParkBOI for review.

Step 3: Upon receipt, CCDC and ParkBOI will ultimately decide whether to approve, reject, or modify the request based upon the information provided by the project team, the project manager's recommendation, and his judgment.

Step 4: CCDC and ParkBOI shall review the issue(s) and render a final decision on the approval or denial of a change.

Step 5: Following approval or denial by CCDC and ParkBOI, the project manager will notify the original requestor of the action taken. There is no appeal process.

Amano McGann will follow a three-phase Implementation Plan for the planning and execution of the project installation for the ParkBOI Garages. These phases include Project Startup and Planning, Deployment, and Closeout. Each phase is clearly outlined in this section to ensure a structured approach, guiding the project from initial planning through successful completion.

PHASE I – PROJECT STARTUP AND PLANNING

During the startup phase of the project, each of the required sub-systems will be scrutinized from an application standpoint. This review extends to such sub-systems as the Amano ONE software count system and credit card clearinghouse operation. Based on the performance characteristics of the proposed components, the project manager will coordinate all efforts to determine what components best fit the required functionality.

The software team will define any required software developments that may be needed to support the operational requirements of the system as well as to interface with the selected hardware components. Timelines will be determined, and various packages will be assigned to individuals within the organization. Regular internal meetings will be held to keep the project manager apprised of the status of each development and allow for additional resources, if necessary, to meet the project schedule.

The engineering team will rely on the on-site installation team to assess the appropriate network infrastructure, hardware, installation methods, and routes for the duct banks and conduit runs. These observations will be documented and include, but will not be limited to, project drawings, diagrams, plans, schedules, and narratives. The actual work will not begin until the required documentation has been developed in consultation with, and approved by, CCDC and ParkBOI.

The on-site installation team will tag and identify all required communication cabling and existing power circuits necessary for the new parking system as well as any facilities that will require removal prior to the parking system installation. Conduit and wiring found not to be in

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accordance with current NEC standards will be tagged and identified for replacement or modification. Any deviations from the approved scope of work will be documented by the project manager and presented to CCDC and ParkBOI.

The procurement and production team will begin the process to acquire or manufacture the hardware components necessary to build the lane equipment and systems. Purchase orders will be written for all goods and materials to be used in the effective delivery of the solution. The software team will configure the software components required to meet the defined approach identified in the System Document. The project manager will assume the lead in coordinating all software, equipment, and material procurement for the project.

As the components are accrued and cabinets are manufactured, the actual assembly process will begin. There are certain points within the process where quality checks are performed in accordance with Amano McGann's quality assurance procedures. Representative lane hardware of each type will be assembled and provided to the software team for in-house testing of the software applications. The project manager will work with factory personnel to ensure the equipment is configured and assembled in accordance with all approved design documents.

Phase I Critical Project Phases and Milestones

- **Notice to Proceed:**
  - This step signifies the formal authorization for project commencement. It marks the transition from pre-contract planning to contract execution, enabling all involved parties to mobilize resources and begin work. The notice includes timelines, project scope, and essential milestones that will guide the project's progression.
- **Deposit Received:**
  - Confirmation of the initial financial commitment is critical for securing resources and ensuring that the project can commence without financial hindrances. This deposit facilitates initial orders for equipment and materials, helping maintain project momentum.
- **Site Walks:**
  - Conducting an on-site assessment allows the project team to familiarize themselves with the physical environment, identify any unique site-specific challenges, and establish a clear understanding of logistics. This walkthrough is essential for effective planning and resource allocation throughout the project.
- **Internal Project Setup:**
  - Organizing internal resources involves defining roles, responsibilities, and workflows among team members. This step ensures that all stakeholders understand their contributions to the project and helps foster collaboration and accountability from the outset.
- **Project Kick-Off Meeting:**
  - This meeting will be scheduled by the Amano McGann project manager in coordination with the parking management team for the ParkBOI Garages project. The meeting is typically attended via teleconference by Amano McGann, designated staff, and key project stakeholders. Topics to be discussed include identifying stakeholders, scope of work, civil work, pre-requisites needed from CCDC and ParkBOI, and Amano McGann’s installation plan.
  - A comprehensive kick-off meeting brings together all stakeholders to align project objectives, timelines, and expectations. This forum encourages open communication, allowing for the discussion of potential challenges and establishing a unified vision for the project's success. The kick-off meeting is also the launch point for the weekly projects meetings which will be held throughout the project life cycle.

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- **Weekly Project Meetings:**
  - This forum encourages open communication, allowing for the discussion of potential challenges and establishing a unified vision for the life of the project to ensure success.
- **Deposit Received/Order Entry & Processing:**
  - Initiating orders for necessary equipment and materials is a crucial step in the preparation phase. This includes specifying technical requirements and ensuring timely procurement to prevent delays in subsequent phases of installation.
- **Lane Equipment Order, Staging, Shipping:**
  - Coordinating the ordering, staging, and shipping of equipment prepares the project for installation. Careful management of this process is essential to ensure that all components arrive on-site when needed, reducing the risk of project delays.
- **Pre-Installation Meeting:**
  - Gathering all relevant teams for a pre-installation meeting allows for a detailed discussion of installation processes, logistics, and potential challenges. This collaborative approach fosters problem-solving and prepares teams for coordinated installation efforts.
- **Pre-Installation Form Completed:**
  - The Amano ONE Pre-installation Form will be completed by the local operations team to allow configuring of the Amano ONE database. Information including, but not limited to, rates, validations, location parameters, and employees requiring access are entered on the form and submitted to the project manager who will review and provide it to the installation team.
- **Third-Party Integration Planning:**
  - Any required third-party integrations will be planned at this time. This requires ensuring that CCDC and ParkBOI have the relationships required to utilize the integration and that the application in question is supplied with the Amano ONE Open API used to facilitate the integration.

PHASE II – DEPLOYMENT

The initial phase of transition will begin with required civil work, like installing the fiber network connectivity, any concrete work, etc. During this phase, the connection to the Amano ONE cloud-based server system will occur simultaneously. Network equipment required for the parking system to operate properly will be installed and configured by ParkBOI. Workstations will be configured and brought online for the various defined users to access the parking system. Access rights will be defined, and permissions granted for logon access and control of the system. Training sessions will begin for operators of the Amano ONE parking system and continue throughout the project as needed.

The Deployment Plan described in the following paragraphs indicates the process of patron entry and exit to ensure a timely installation with minimal impact to ongoing operations and reduced impact on customer service. The transition will coincide with a phased installation approach. The project manager will be responsible for updating all parties of upcoming phasing plans and will immediately provide updates on any significant deviations.

The actual installation of lane equipment will be carried out through the services of our electrical subcontractor and authorized distribution partner working with on-site Amano McGann technicians. During this phase of deployment, an acceptable and perhaps occasionally reduced level of functionality may be provided to ensure that patrons will be minimally affected. It should be noted that our project managers, CCDC, and ParkBOI must work together to establish what lanes will and will not be available during the installation activities in each facility. Specific cases where the transition plan will be most important during the Installation Phase include:

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- **Working on a Lot or Plaza with Only One Entry and One Exit:** While installing the entry lane, the lot is closed to the public. Current parked patrons are allowed to leave via the exit lane. While the installation of the exit is underway, the lot is open to the public and care will be given to allow patrons to exit the lot. Only one of these lots or plazas will be worked at each garage at any point in the project schedule by the work teams.
- **Working on a Non-Plaza Area with More Than One Entry and Exit:** All of the exit lanes at one lot are to be changed out before the entry lanes are replaced. A maximum of four lanes (dependent on the size of the parking facility/parking plaza), either entry or exit, will be worked on at any given time in each parking facility/parking plaza. The main goal of this strategy is to minimize the loss of service to the affected area. Once the new exit lanes are online, the project team will proceed to the remaining set of entries in this area, allowing patrons to use the new lanes.

As new lane equipment is systematically installed, the new equipment can immediately be controlled by the new system software using our unique, advanced quick scan onboarding technology. Software system training will begin at this time and continue, as needed, throughout the installation process.

Our plan is to coordinate the replacement sequencing of entry and exit lane equipment with the least amount of operational disruption. Working lane by lane, our installation team will install equipment with our proposed solution of lane hardware. As each lane is installed, it will be connected to the new parking system software. Once all lanes have undergone Lane Acceptance Testing (LAT) and have been approved as functional, the facility will be put into operation. Any lanes that fail LAT will result in immediate analysis and correction in anticipation of retesting with minimal to no impact to the project schedule.

Phase II Critical Project Phases and Milestones

- **Equipment Delivery:**
  - Upon delivery, a thorough inventory of all equipment is conducted to ensure completeness and functionality. This step is vital for identifying any discrepancies or issues early in the process, allowing for prompt resolutions.
- **Credit Card Merchant Account Setup:**
  - Configuring the credit processing system is essential for facilitating seamless payment transactions. This setup involves integrating software and hardware components to ensure compatibility and operational efficiency.
- **Cloud Server & Software Configuration:**
  - Upon the completion of the pre-requisites, the cloud-based software system will be configured and brought online for the various defined users to access the parking system. Access rights will be defined, and permissions granted for logon access and control of the system. The actual installation of lane equipment will be carried out through the services of onsite Amano McGann trained and certified technicians and our subcontractor. As lane equipment is systematically installed, the equipment can immediately be controlled by the system software using our unique, advanced quick scan onboarding technology.
  - The project management team will be responsible for updating all parties of upcoming phasing plans and will immediately provide updates on any significant deviations. Working lane by lane, our installation team will install equipment with our proposed solution of lane hardware. As each lane is installed, it will be connected to the parking system software. Once the new equipment has been installed and connected to the Amano ONE software, the system will be tested in preparation for the go-live date. Amano McGann will also provide access to our

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online Talent LMS training platform at the start of the installation so the parking management team can learn more about the Amano ONE system.

- **Install Equipment:**
  - The parking system will be installed per the project schedule. Starting with pre-requisites required prior to installation, such as CCDC and ParkBOI establishing an account with a credit card gateway for revenue functionality, completing a preinstallation form to ensure the parking devices are commissioned based on customer preferences, and ensuring civil, data and network requirements are met. Once pre-requisites are completed, the software and equipment installation will begin. Final steps will include onsite hardware and software training and scheduling a go-live date.
  - Deploying the core head end system components like network gear is critical for supporting all lane operations. This installation serves as the backbone of the PARCS, allowing for effective management of parking access and revenue control.
- **LMS Training:**
  - Ongoing training for team members on the Learning Management System (LMS) ensures that all personnel are equipped with the necessary skills and knowledge to operate the new systems effectively. This training will be available throughout the project to accommodate new hires or as refresher courses.
- **End User Training:**
  - Amano McGann will provide CCDC and ParkBOI project team members with access to our online Talent LMS training platform to learn about Amano ONE at the start of the project. Onsite software and hardware training for the new Amano ONE solution will also be provided upon completion of the PARCS installation. This will include hands-on sessions, user manuals, and ongoing support to address any questions or issues that may arise post-implementation.

PHASE III – CLOSEOUT

Upon completion of the installation and successful Lane Acceptance Test (LAT) at each location, our project manager will create a detailed punch list to include all remaining incomplete tasks and required adjustments for that segment of the project. We will then generate a closeout package that may consist of as-built drawings, device manuals, product cut sheets, keys, final documentation, service and warranty statements, and spare parts.

<u>Phase III Critical Project Phases and Milestones</u>

- **3 Phase Systems Testing:**
  - Rigorous testing is conducted to verify that all systems function as intended. Testing will be completed in three phases:
    - Factory Acceptance Testing (FAT):
      - This is the first test and will be performed as each component is configured during the Hot Stage process. This will give the project team the opportunity to localize and address any issues prior to the products' shipping.
    - Lane Acceptance Testing (LAT):
      - During the physical installation process, Lane Acceptance Testing is conducted after each lane is completely installed. LAT will be conducted on each device in the lane prior to the equipment going into operation. The extent of the testing will include normal and exception transactions, all modes of operation, all payment tender options, and proper functioning of related sub-systems. Upon approval of testing functions, each lane will be put into operation.

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Group testing may be conducted upon approval. Testing will include, but not be limited to, the following:

- All System Components
- Entry Lane Equipment
- Exit Lane Equipment
- Pay-on-Foot Stations
- Mobile Cashier
- Validations
- Automated Vehicle Identification (AVI) System
- Software Features
- Verification of Rates, Lost Ticket, Lag Times, Grace Times, Validations, etc.

- Operational Completion Testing (OCT):
  - Upon project completion, the third phase is an intensive series of Operational Completion Testing (OCT) to ensure the entire system is working according to the required specifications. This step includes checking for software bugs, hardware malfunctions, and ensuring that all components interact seamlessly.

- **Go Live Date:**
  - The go-live date will be the day that the property begins using the system. Amano McGann staff will be available for the go-live to provide support and answer any questions that may arise as a result of using the system to control parking operations.
- **Final Walk-Through:**
  - After the final system components are installed and tested at each location, a walk-through will be conducted by the project team. This walk-through will be utilized to create a final punch list of issues to be completed prior to system sign-off. A full inventory of the equipment to include model, serial number, and location of each piece of equipment will be completed to create the system final sheet which will be signed upon satisfactory completion of the punch list.
- **Punchlist:**
  - A punch list will be compiled to address any remaining tasks or corrections needed to finalize the project. Each item will be prioritized and resolved to ensure a complete and functional installation.
- **Closeout and Final Acceptance:**
  - The project will be officially closed upon the completion of all tasks and receipt of acceptance from all stakeholders. Documentation of the project will be finalized and handed over for future reference.

CONCLUSION

This implementation plan serves as a strategic roadmap for upgrading the parking access and revenue control systems at the ParkBOI Garages. By systematically following the outlined phases and prioritizing training, testing, and quality assurance, as outlined above, we aim to deliver an operationally efficient system that meets the diverse needs of the community.

Through collaboration, meticulous planning, and execution, we will ensure a successful project outcome that enhances the parking experience for all users.

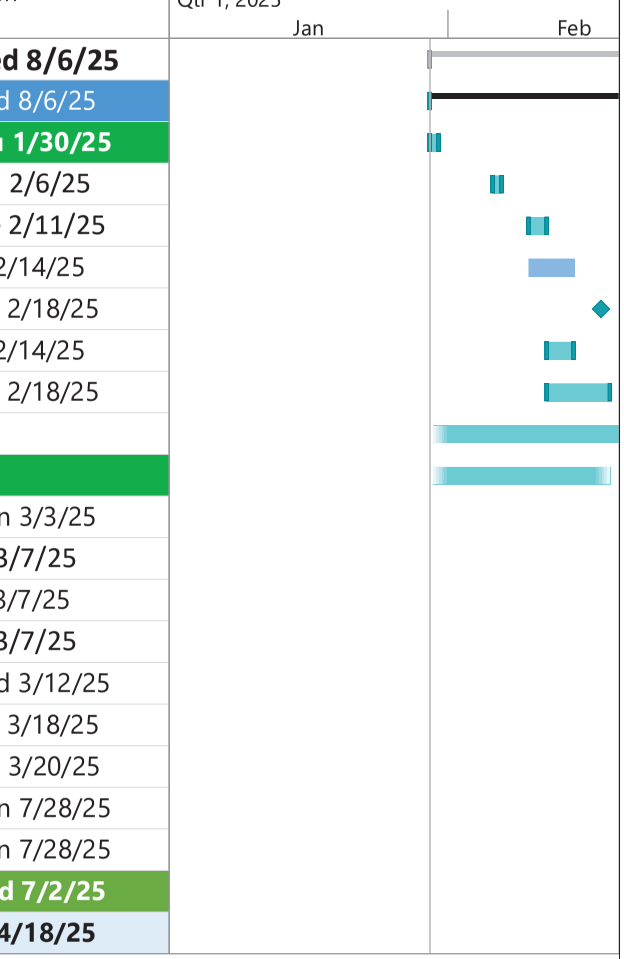
2) Project Schedule

A detailed project schedule has been provided on the following pages. Upon contract award, our project management team will verify the final solution functionality and actual start date. Applicable dates in the attached schedule will then be revised accordingly.

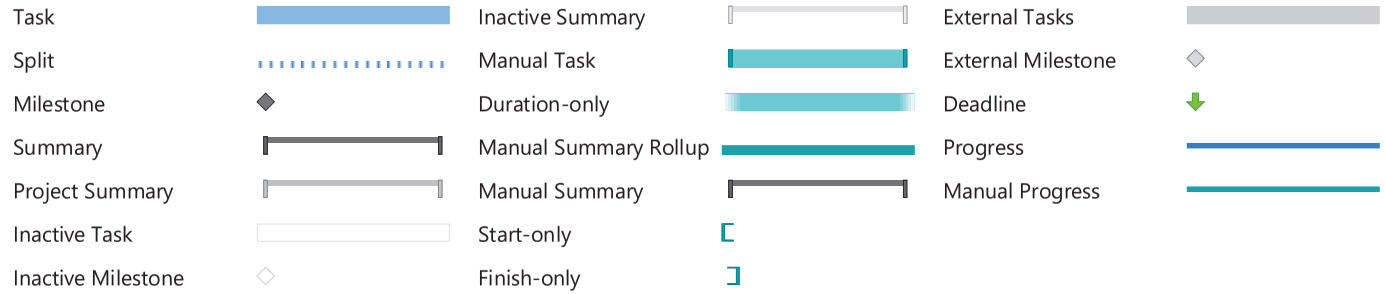
Information contained in this document is confidential and proprietary to Amano McGann, Inc.

ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
0	**CCDC ParkBoi Project**	**135 days**	**Thu 1/30/25**	**Wed 8/6/25**
1	ParkBoi Project Schedule	135 days	Thu 1/30/25	Wed 8/6/25
2	**Notice to Proceed**	**1 day**	**Thu 1/30/25**	**Thu 1/30/25**
3	Deposit Received	1 day	Thu 2/6/25	Thu 2/6/25
4	Site Walk	2 days	Mon 2/10/25	Tue 2/11/25
5	Internal Project Setup	5 days	Mon 2/10/25	Fri 2/14/25
6	Project Kick-Off Meeting (Internal)	0 days	Tue 2/18/25	Tue 2/18/25
7	Order Entry & Processing	3 days	Wed 2/12/25	Fri 2/14/25
8	Lane Equipment Order	5 days	Wed 2/12/25	Tue 2/18/25
9	Equipment Staging, Factory Acceptance Testing, Shipping	50 days		
10	**Equipment Delivery to Location for Storage**	**14 days**		
11	Pre-Installation Meeting (Kick Off)	1 day	Mon 3/3/25	Mon 3/3/25
12	Customer Completes Pre-Installation Form	5 days	Mon 3/3/25	Fri 3/7/25
13	Customer Completes Credit Processor Setup	5 days	Mon 3/3/25	Fri 3/7/25
14	Customer Confirms Internet Speeds >50 Mbps at Each location	5 days	Mon 3/3/25	Fri 3/7/25
15	Cloud Server & Software Configuration	3 days	Mon 3/10/25	Wed 3/12/25
16	Install Head-End System (Network, UPS, etc) Equipment	2 days	Mon 3/17/25	Tue 3/18/25
17	Head-End System Testing	2 days	Wed 3/19/25	Thu 3/20/25
18	LMS Training (no end date)	91 days	Mon 3/24/25	Mon 7/28/25
19	End User Training	100 days	Tue 3/11/25	Mon 7/28/25
20	**PARCS installation**	**63 days**	**Mon 4/7/25**	**Wed 7/2/25**
21	**Capitol & Myrtle**	**10 days**	**Mon 4/7/25**	**Fri 4/18/25**

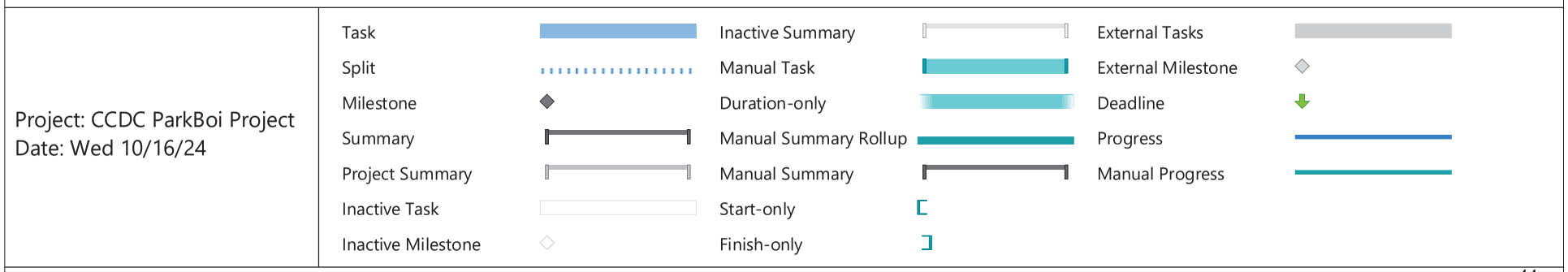


Project: CCDC ParkBoi Project
Date: Wed 10/16/24



ParkBoi Proposed PARCS Installation Schedule

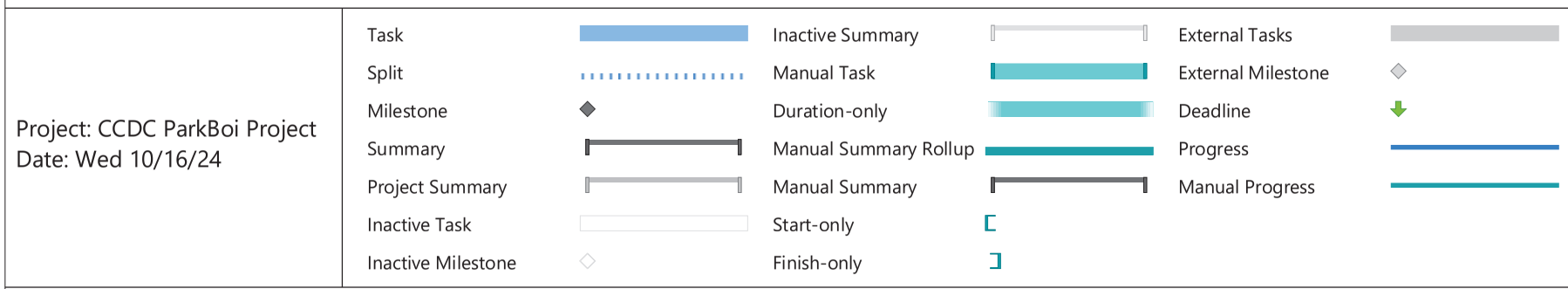
ID	Task Name	Duration	Start	Finish
22	**Entry Lane #1**	**2 days**	**Mon 4/7/25**	**Tue 4/8/25**
23	Remove Old Lane Equipment	1 day	Mon 4/7/25	Mon 4/7/25
24	Cut, Wrap, & Seal New Detection Loops	1 day	Mon 4/7/25	Mon 4/7/25
25	Power & Communication Cabling	1 day	Mon 4/7/25	Mon 4/7/25
26	Install New Entry Lane Equipment	1 day	Tue 4/8/25	Tue 4/8/25
27	Lane Acceptance Testing (LAT)	1 day	Tue 4/8/25	Tue 4/8/25
28	**Exit Lane #1**	**2 days**	**Wed 4/9/25**	**Thu 4/10/25**
29	Remove Old Lane Equipment	1 day	Wed 4/9/25	Wed 4/9/25
30	Cut, Wrap, & Seal New Detection Loops	1 day	Wed 4/9/25	Wed 4/9/25
31	Power & Communication Cabling	1 day	Wed 4/9/25	Wed 4/9/25
32	Install New Entry Lane Equipment	1 day	Thu 4/10/25	Thu 4/10/25
33	Lane Acceptance Testing (LAT)	1 day	Thu 4/10/25	Thu 4/10/25
34	**Entry Lane #2**	**2 days**	**Fri 4/11/25**	**Mon 4/14/25**
35	Remove Old Lane Equipment	1 day	Fri 4/11/25	Fri 4/11/25
36	Cut, Wrap, & Seal New Detection Loops	1 day	Fri 4/11/25	Fri 4/11/25
37	Power & Communication Cabling	1 day	Fri 4/11/25	Fri 4/11/25
38	Install New Entry Lane Equipment	1 day	Mon 4/14/25	Mon 4/14/25
39	Lane Acceptance Testing (LAT)	1 day	Mon 4/14/25	Mon 4/14/25
40	**Exit Lane #2**	**2 days**	**Tue 4/15/25**	**Wed 4/16/25**
41	Remove Old Lane Equipment	1 day	Tue 4/15/25	Tue 4/15/25
42	Cut, Wrap, & Seal New Detection Loops	1 day	Tue 4/15/25	Tue 4/15/25
43	Power & Communication Cabling	1 day	Tue 4/15/25	Tue 4/15/25



Project: CCDC ParkBoi Project
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ParkBoi Proposed PARCS Installation Schedule

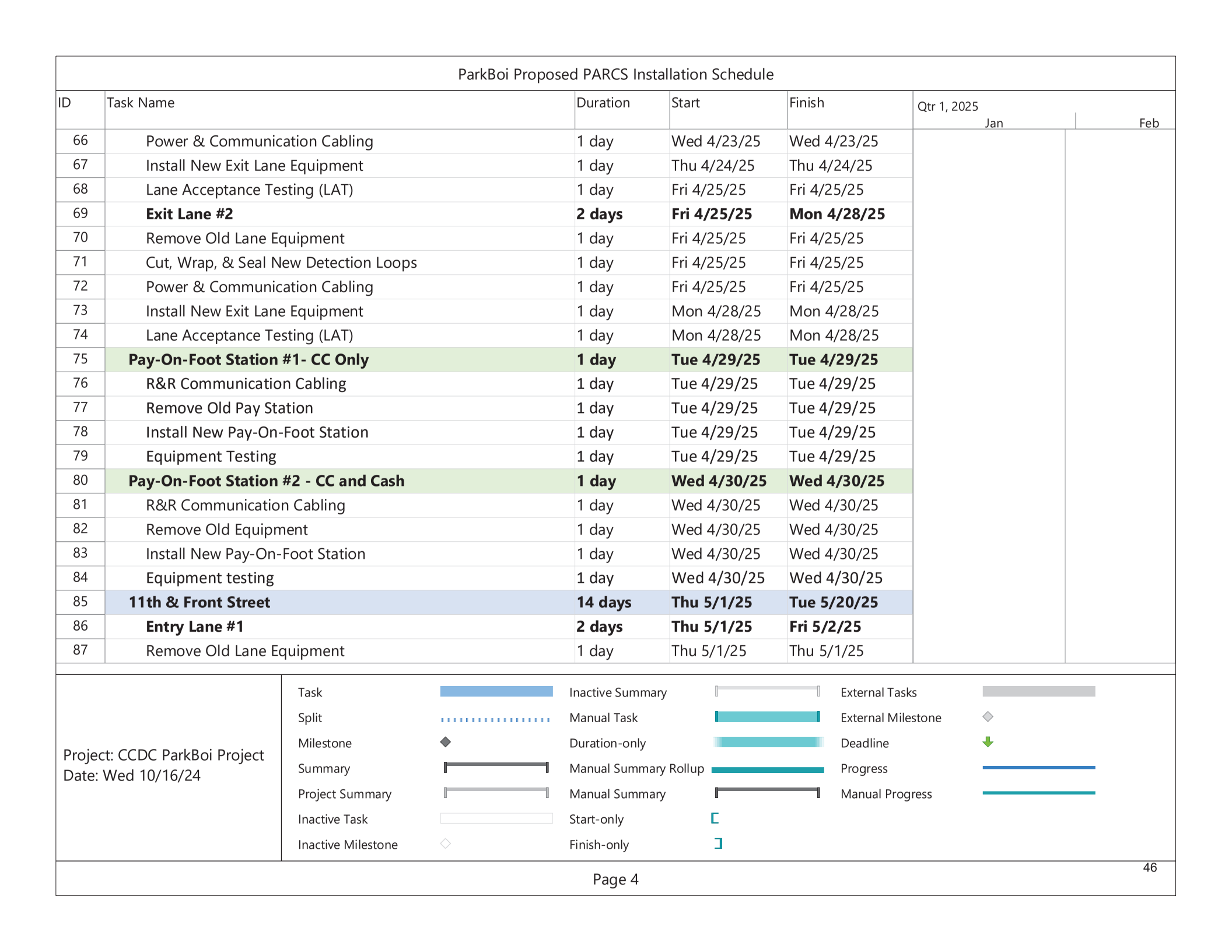
ID	Task Name	Duration	Start	Finish
44	Install New Entry Lane Equipment	1 day	Wed 4/16/25	Wed 4/16/25
45	Lane Acceptance Testing (LAT)	1 day	Wed 4/16/25	Wed 4/16/25
46	Pay-On-Foot Station #1-CC Only	**1 day**	**Thu 4/17/25**	**Thu 4/17/25**
47	R&R Communication Cabling	1 day	Thu 4/17/25	Thu 4/17/25
48	Remove Old Pay Station	1 day	Thu 4/17/25	Thu 4/17/25
49	Install New Pay-On-Foot Station	1 day	Thu 4/17/25	Thu 4/17/25
50	Equipment Testing	1 day	Thu 4/17/25	Thu 4/17/25
51	Pay-On-Foot Station #2 - CC and Cash	**1 day**	**Fri 4/18/25**	**Fri 4/18/25**
52	R&R Communication Cabling	1 day	Fri 4/18/25	Fri 4/18/25
53	Remove Old Pay Station	1 day	Fri 4/18/25	Fri 4/18/25
54	Install New Pay-On-Foot Station	1 day	Fri 4/18/25	Fri 4/18/25
55	Equipment Testing	1 day	Fri 4/18/25	Fri 4/18/25
56	**10th & Front**	**8 days**	**Mon 4/21/25**	**Wed 4/30/25**
57	**Exit Lane #1**	**2 days**	**Mon 4/21/25**	**Tue 4/22/25**
58	Remove Old Lane Equipment	1 day	Mon 4/21/25	Mon 4/21/25
59	Cut, Wrap, & Seal New Detection Loops	1 day	Mon 4/21/25	Mon 4/21/25
60	Power & Communication Cabling	1 day	Mon 4/21/25	Mon 4/21/25
61	Install New Exit Lane Equipment	1 day	Tue 4/22/25	Tue 4/22/25
62	Lane Acceptance Testing (LAT)	1 day	Tue 4/22/25	Tue 4/22/25
63	**Entry Lane #1**	**2 days**	**Wed 4/23/25**	**Thu 4/24/25**
64	Remove Old Lane Equipment	1 day	Wed 4/23/25	Wed 4/23/25
65	Cut, Wrap, & Seal New Detection Loops	1 day	Wed 4/23/25	Wed 4/23/25



Project: CCDC ParkBoi Project
Date: Wed 10/16/24

ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
66	Power & Communication Cabling	1 day	Wed 4/23/25	Wed 4/23/25
67	Install New Exit Lane Equipment	1 day	Thu 4/24/25	Thu 4/24/25
68	Lane Acceptance Testing (LAT)	1 day	Fri 4/25/25	Fri 4/25/25
69	**Exit Lane #2**	**2 days**	**Fri 4/25/25**	**Mon 4/28/25**
70	Remove Old Lane Equipment	1 day	Fri 4/25/25	Fri 4/25/25
71	Cut, Wrap, & Seal New Detection Loops	1 day	Fri 4/25/25	Fri 4/25/25
72	Power & Communication Cabling	1 day	Fri 4/25/25	Fri 4/25/25
73	Install New Exit Lane Equipment	1 day	Mon 4/28/25	Mon 4/28/25
74	Lane Acceptance Testing (LAT)	1 day	Mon 4/28/25	Mon 4/28/25
75	**Pay-On-Foot Station #1- CC Only**	**1 day**	**Tue 4/29/25**	**Tue 4/29/25**
76	R&R Communication Cabling	1 day	Tue 4/29/25	Tue 4/29/25
77	Remove Old Pay Station	1 day	Tue 4/29/25	Tue 4/29/25
78	Install New Pay-On-Foot Station	1 day	Tue 4/29/25	Tue 4/29/25
79	Equipment Testing	1 day	Tue 4/29/25	Tue 4/29/25
80	**Pay-On-Foot Station #2 - CC and Cash**	**1 day**	**Wed 4/30/25**	**Wed 4/30/25**
81	R&R Communication Cabling	1 day	Wed 4/30/25	Wed 4/30/25
82	Remove Old Equipment	1 day	Wed 4/30/25	Wed 4/30/25
83	Install New Pay-On-Foot Station	1 day	Wed 4/30/25	Wed 4/30/25
84	Equipment testing	1 day	Wed 4/30/25	Wed 4/30/25
85	**11th & Front Street**	**14 days**	**Thu 5/1/25**	**Tue 5/20/25**
86	**Entry Lane #1**	**2 days**	**Thu 5/1/25**	**Fri 5/2/25**
87	Remove Old Lane Equipment	1 day	Thu 5/1/25	Thu 5/1/25

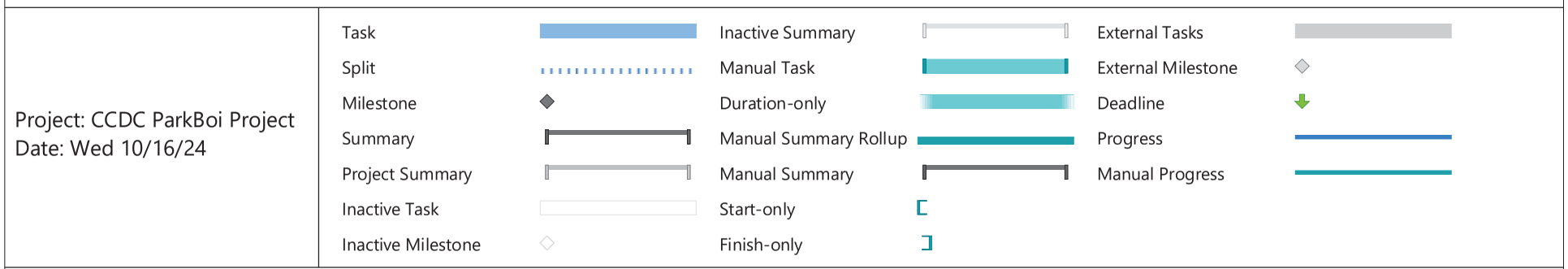


Project: CCDC ParkBoi Project
Date: Wed 10/16/24

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Inactive Milestone
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Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
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External Milestone
Deadline
Progress
Manual Progress

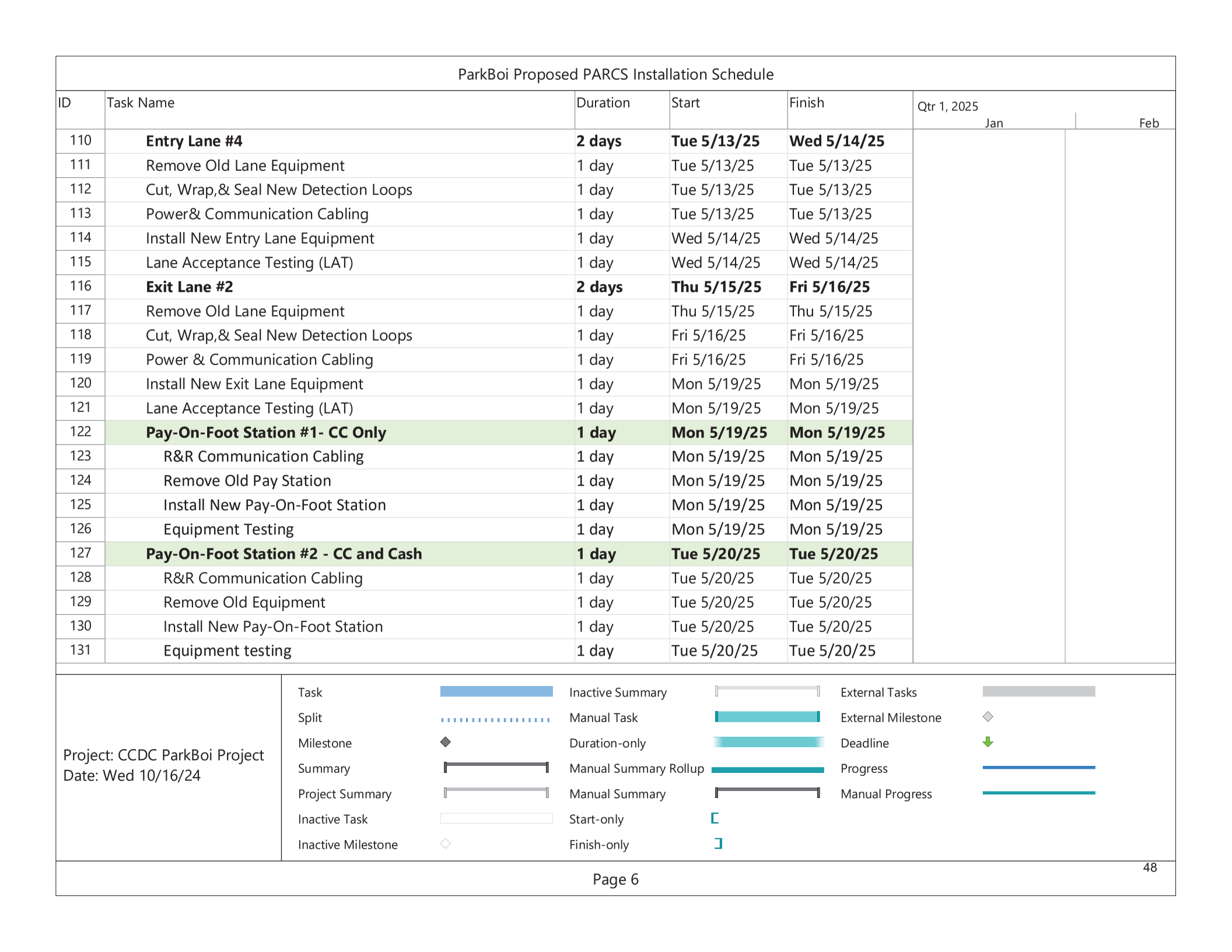
ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
88	Cut, Wrap,& Seal New Detection Loops	1 day	Thu 5/1/25	Thu 5/1/25
89	Power & Communication Cabling	1 day	Thu 5/1/25	Thu 5/1/25
90	Install New Exit Lane Equipment	1 day	Fri 5/2/25	Fri 5/2/25
91	Lane Acceptance	1 day	Fri 5/2/25	Fri 5/2/25
92	**Exit Lane #1**	**2 days**	**Mon 5/5/25**	**Tue 5/6/25**
93	Remove Old Lane Equipment	1 day	Mon 5/5/25	Mon 5/5/25
94	Cut, Wrap,& Seal New Detection Loops	1 day	Mon 5/5/25	Mon 5/5/25
95	Power & Communication Cabling	1 day	Mon 5/5/25	Mon 5/5/25
96	Install New Exit Lane Equipment	1 day	Tue 5/6/25	Tue 5/6/25
97	Lane Acceptance Testing (LAT)	1 day	Tue 5/6/25	Tue 5/6/25
98	**Entry Lane #2**	**2 days**	**Wed 5/7/25**	**Thu 5/8/25**
99	Remove Old Lane Equipment	1 day	Wed 5/7/25	Wed 5/7/25
100	Cut, Wrap,& Seal New Detection Loops	1 day	Wed 5/7/25	Wed 5/7/25
101	Power& Communication Cabling	1 day	Wed 5/7/25	Wed 5/7/25
102	Install New Entry Lane Equipment	1 day	Thu 5/8/25	Thu 5/8/25
103	Lane Acceptance Testing (LAT)	1 day	Thu 5/8/25	Thu 5/8/25
104	**Entry Lane #3**	**2 days**	**Fri 5/9/25**	**Mon 5/12/25**
105	Remove Old Lane Equipment	1 day	Fri 5/9/25	Fri 5/9/25
106	Cut, Wrap,& Seal New Detection Loops	1 day	Fri 5/9/25	Fri 5/9/25
107	Power& Communication Cabling	1 day	Fri 5/9/25	Fri 5/9/25
108	Install New Entry Lane Equipment	1 day	Mon 5/12/25	Mon 5/12/25
109	Lane Acceptance Testing (LAT)	1 day	Mon 5/12/25	Mon 5/12/25



ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
110	**Entry Lane #4**	**2 days**	**Tue 5/13/25**	**Wed 5/14/25**
111	Remove Old Lane Equipment	1 day	Tue 5/13/25	Tue 5/13/25
112	Cut, Wrap,& Seal New Detection Loops	1 day	Tue 5/13/25	Tue 5/13/25
113	Power& Communication Cabling	1 day	Tue 5/13/25	Tue 5/13/25
114	Install New Entry Lane Equipment	1 day	Wed 5/14/25	Wed 5/14/25
115	Lane Acceptance Testing (LAT)	1 day	Wed 5/14/25	Wed 5/14/25
116	**Exit Lane #2**	**2 days**	**Thu 5/15/25**	**Fri 5/16/25**
117	Remove Old Lane Equipment	1 day	Thu 5/15/25	Thu 5/15/25
118	Cut, Wrap,& Seal New Detection Loops	1 day	Fri 5/16/25	Fri 5/16/25
119	Power & Communication Cabling	1 day	Fri 5/16/25	Fri 5/16/25
120	Install New Exit Lane Equipment	1 day	Mon 5/19/25	Mon 5/19/25
121	Lane Acceptance Testing (LAT)	1 day	Mon 5/19/25	Mon 5/19/25
122	**Pay-On-Foot Station #1- CC Only**	**1 day**	**Mon 5/19/25**	**Mon 5/19/25**
123	R&R Communication Cabling	1 day	Mon 5/19/25	Mon 5/19/25
124	Remove Old Pay Station	1 day	Mon 5/19/25	Mon 5/19/25
125	Install New Pay-On-Foot Station	1 day	Mon 5/19/25	Mon 5/19/25
126	Equipment Testing	1 day	Mon 5/19/25	Mon 5/19/25
127	**Pay-On-Foot Station #2 - CC and Cash**	**1 day**	**Tue 5/20/25**	**Tue 5/20/25**
128	R&R Communication Cabling	1 day	Tue 5/20/25	Tue 5/20/25
129	Remove Old Equipment	1 day	Tue 5/20/25	Tue 5/20/25
130	Install New Pay-On-Foot Station	1 day	Tue 5/20/25	Tue 5/20/25
131	Equipment testing	1 day	Tue 5/20/25	Tue 5/20/25

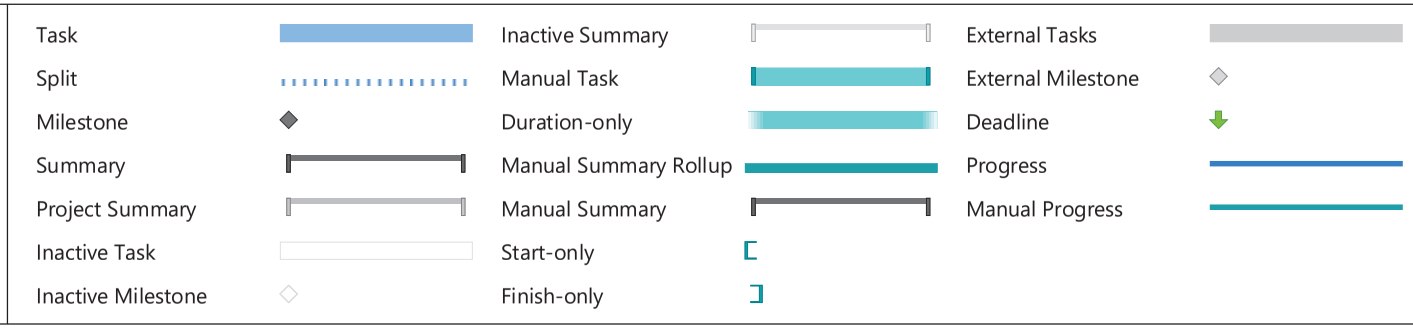


Project: CCDC ParkBoi Project
Date: Wed 10/16/24

Task
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Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

ParkBoi Proposed PARCS Installation Schedule

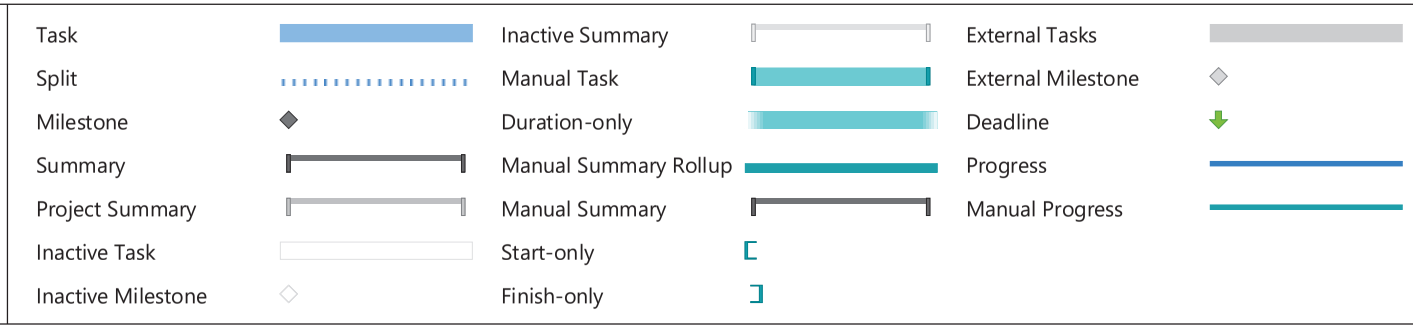
ID	Task Name	Duration	Start	Finish
132	**9th & Front**	**11 days**	**Wed 5/21/25**	**Wed 6/4/25**
133	**Entry Lane #1**	**2 days**	**Wed 5/21/25**	**Thu 5/22/25**
134	Remove Old Lane Equipment	1 day	Wed 5/21/25	Wed 5/21/25
135	Cut, Wrap, & Seal New Detection Loops	1 day	Wed 5/21/25	Wed 5/21/25
136	Power & Communication Cabling	1 day	Wed 5/21/25	Wed 5/21/25
137	Install New Exit Lane Equipment	1 day	Thu 5/22/25	Thu 5/22/25
138	Lane Acceptance Testing (LAT)	1 day	Thu 5/22/25	Thu 5/22/25
139	**Exit Lane #1**	**2 days**	**Fri 5/23/25**	**Mon 5/26/25**
140	Remove Old Lane Equipment	1 day	Fri 5/23/25	Fri 5/23/25
141	Cut, Wrap, & Seal New Detection Loops	1 day	Fri 5/23/25	Fri 5/23/25
142	Power & Communication Cabling	1 day	Fri 5/23/25	Fri 5/23/25
143	Install New Exit Lane Equipment	1 day	Mon 5/26/25	Mon 5/26/25
144	Lane Acceptance Testing (LAT)	1 day	Mon 5/26/25	Mon 5/26/25
145	**Entry Lane #2**	**2 days**	**Tue 5/27/25**	**Wed 5/28/25**
146	Remove Old Lane Equipment	1 day	Tue 5/27/25	Tue 5/27/25
147	Cut, Wrap, & Seal New Detection Loops	1 day	Tue 5/27/25	Tue 5/27/25
148	Power & Communication Cabling	1 day	Tue 5/27/25	Tue 5/27/25
149	Install New Exit Lane Equipment	1 day	Wed 5/28/25	Wed 5/28/25
150	Lane Acceptance Testing (LAT)	1 day	Wed 5/28/25	Wed 5/28/25
151	**Exit Lane #2**	**2 days**	**Thu 5/29/25**	**Fri 5/30/25**
152	Remove Old Lane Equipment	1 day	Thu 5/29/25	Thu 5/29/25
153	Cut, Wrap, & Seal New Detection Loops	1 day	Thu 5/29/25	Thu 5/29/25



Project: CCDC ParkBoi Project
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ParkBoi Proposed PARCS Installation Schedule

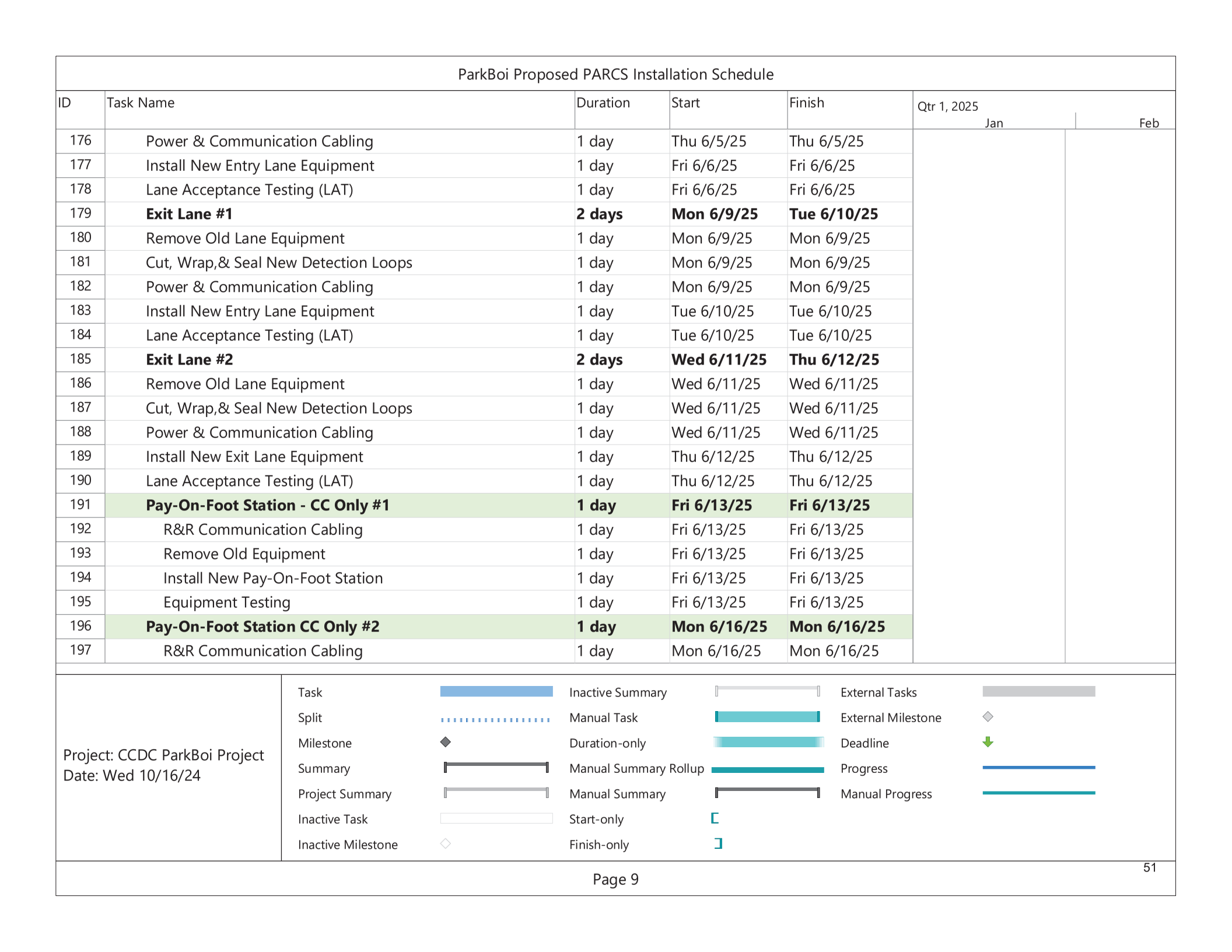
ID	Task Name	Duration	Start	Finish
154	Power & Communication Cabling	1 day	Thu 5/29/25	Thu 5/29/25
155	Install New Entry Lane Equipment	1 day	Fri 5/30/25	Fri 5/30/25
156	Lane Acceptance Testing (LAT)	1 day	Fri 5/30/25	Fri 5/30/25
157	**Pay-On-Foot Station - CC Only #1**	**1 day**	**Mon 6/2/25**	**Mon 6/2/25**
158	R&R Communication Cabling	1 day	Mon 6/2/25	Mon 6/2/25
159	Remove Old Equipment	1 day	Mon 6/2/25	Mon 6/2/25
160	Install New Pay-On-Foot Station	1 day	Mon 6/2/25	Mon 6/2/25
161	Equipment Testing	1 day	Mon 6/2/25	Mon 6/2/25
162	**Pay-On-Foot Station CC Only #2**	**1 day**	**Tue 6/3/25**	**Tue 6/3/25**
163	R&R Communication Cabling	1 day	Tue 6/3/25	Tue 6/3/25
164	Remove Old Equipment	1 day	Tue 6/3/25	Tue 6/3/25
165	Install New Pay-On-Foot Station	1 day	Tue 6/3/25	Tue 6/3/25
166	Equipment Testing	1 day	Tue 6/3/25	Tue 6/3/25
167	**Pay-On-Foot Station CC and Cash #1**	**1 day**	**Wed 6/4/25**	**Wed 6/4/25**
168	R&R Communication Cabling	1 day	Wed 6/4/25	Wed 6/4/25
169	Remove Old Equipment	1 day	Wed 6/4/25	Wed 6/4/25
170	Install New Pay-On-Foot Station	1 day	Wed 6/4/25	Wed 6/4/25
171	Equipment Testing	1 day	Wed 6/4/25	Wed 6/4/25
172	**9th & Main**	**9 days**	**Thu 6/5/25**	**Tue 6/17/25**
173	**Entry Lane #1**	**2 days**	**Thu 6/5/25**	**Fri 6/6/25**
174	Remove Old Lane Equipment	1 day	Thu 6/5/25	Thu 6/5/25
175	Cut, Wrap,& Seal New Detection Loops	1 day	Thu 6/5/25	Thu 6/5/25



Project: CCDC ParkBoi Project
Date: Wed 10/16/24

ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
176	Power & Communication Cabling	1 day	Thu 6/5/25	Thu 6/5/25
177	Install New Entry Lane Equipment	1 day	Fri 6/6/25	Fri 6/6/25
178	Lane Acceptance Testing (LAT)	1 day	Fri 6/6/25	Fri 6/6/25
179	**Exit Lane #1**	**2 days**	**Mon 6/9/25**	**Tue 6/10/25**
180	Remove Old Lane Equipment	1 day	Mon 6/9/25	Mon 6/9/25
181	Cut, Wrap,& Seal New Detection Loops	1 day	Mon 6/9/25	Mon 6/9/25
182	Power & Communication Cabling	1 day	Mon 6/9/25	Mon 6/9/25
183	Install New Entry Lane Equipment	1 day	Tue 6/10/25	Tue 6/10/25
184	Lane Acceptance Testing (LAT)	1 day	Tue 6/10/25	Tue 6/10/25
185	**Exit Lane #2**	**2 days**	**Wed 6/11/25**	**Thu 6/12/25**
186	Remove Old Lane Equipment	1 day	Wed 6/11/25	Wed 6/11/25
187	Cut, Wrap,& Seal New Detection Loops	1 day	Wed 6/11/25	Wed 6/11/25
188	Power & Communication Cabling	1 day	Wed 6/11/25	Wed 6/11/25
189	Install New Exit Lane Equipment	1 day	Thu 6/12/25	Thu 6/12/25
190	Lane Acceptance Testing (LAT)	1 day	Thu 6/12/25	Thu 6/12/25
191	**Pay-On-Foot Station - CC Only #1**	**1 day**	**Fri 6/13/25**	**Fri 6/13/25**
192	R&R Communication Cabling	1 day	Fri 6/13/25	Fri 6/13/25
193	Remove Old Equipment	1 day	Fri 6/13/25	Fri 6/13/25
194	Install New Pay-On-Foot Station	1 day	Fri 6/13/25	Fri 6/13/25
195	Equipment Testing	1 day	Fri 6/13/25	Fri 6/13/25
196	**Pay-On-Foot Station CC Only #2**	**1 day**	**Mon 6/16/25**	**Mon 6/16/25**
197	R&R Communication Cabling	1 day	Mon 6/16/25	Mon 6/16/25

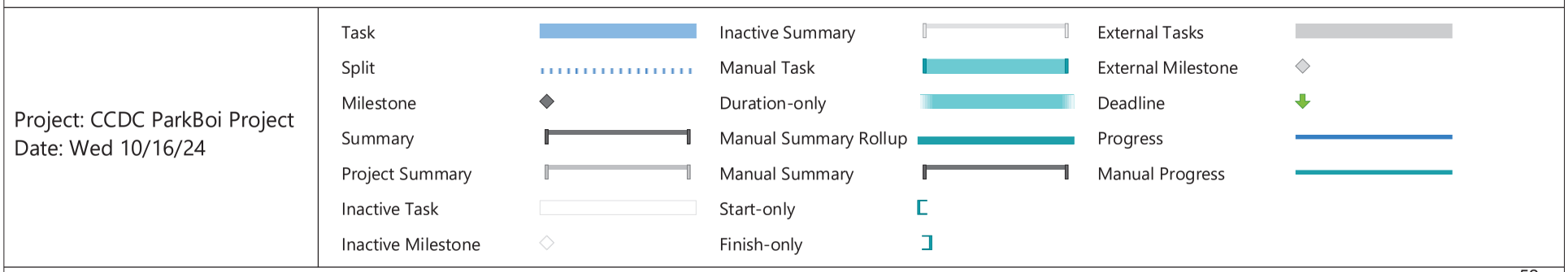


Project: CCDC ParkBoi Project
Date: Wed 10/16/24

Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

ParkBoi Proposed PARCS Installation Schedule

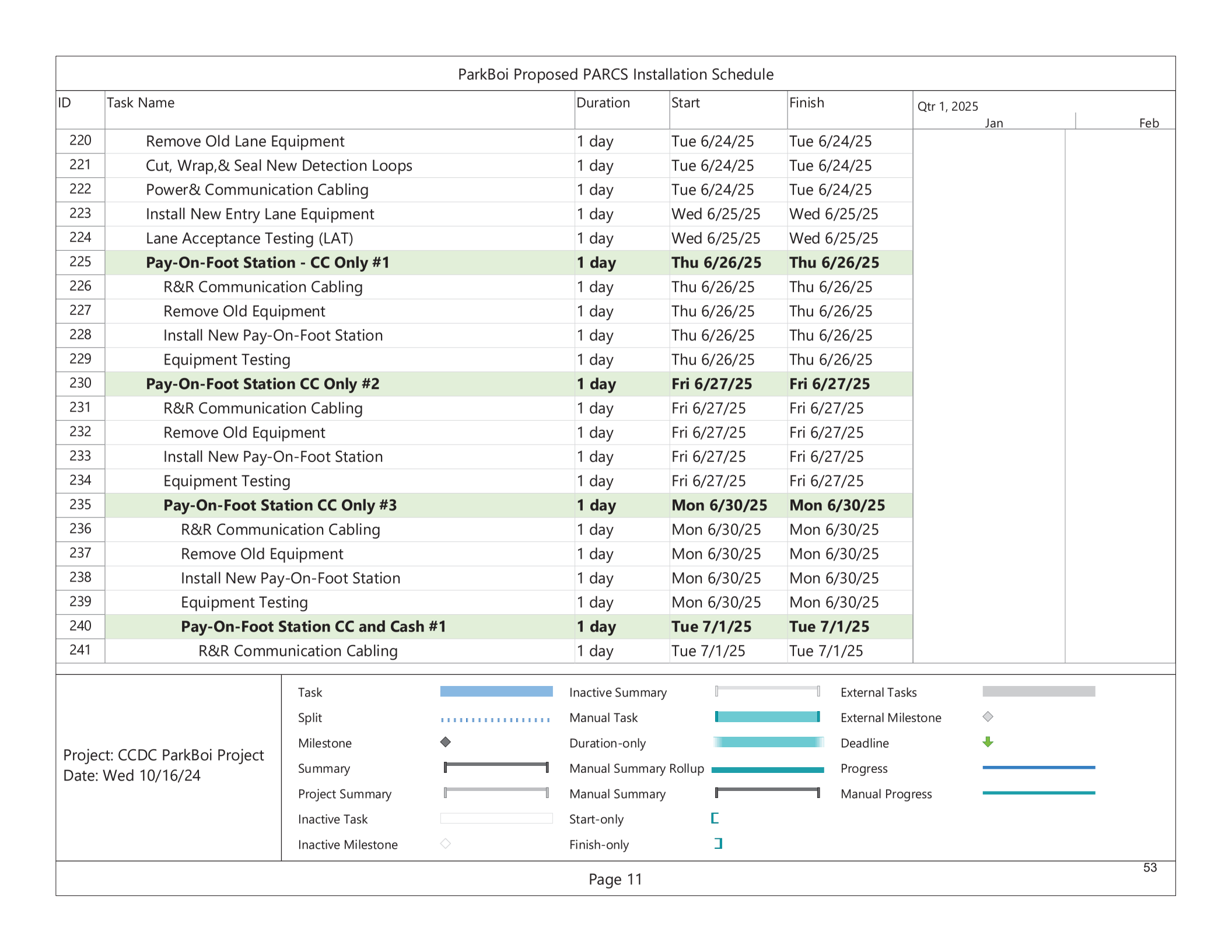
ID	Task Name	Duration	Start	Finish
198	Remove Old Equipment	1 day	Mon 6/16/25	Mon 6/16/25
199	Install New Pay-On-Foot Station	1 day	Mon 6/16/25	Mon 6/16/25
200	Equipment Testing	1 day	Mon 6/16/25	Mon 6/16/25
201	**Pay-On-Foot Station CC and Cash #1**	**1 day**	**Tue 6/17/25**	**Tue 6/17/25**
202	R&R Communication Cabling	1 day	Tue 6/17/25	Tue 6/17/25
203	Remove Old Equipment	1 day	Tue 6/17/25	Tue 6/17/25
204	Install New Pay-On-Foot Station	1 day	Tue 6/17/25	Tue 6/17/25
205	Equipment Testing	1 day	Tue 6/17/25	Tue 6/17/25
206	**Capitol & Main**	**11 days**	**Wed 6/18/25**	**Wed 7/2/25**
207	**Exit Lane #1**	**2 days**	**Wed 6/18/25**	**Thu 6/19/25**
208	Remove Old Lane Equipment	1 day	Wed 6/18/25	Wed 6/18/25
209	Cut, Wrap,& Seal New Detection Loops	1 day	Wed 6/18/25	Wed 6/18/25
210	Power & Communication Cabling	1 day	Wed 6/18/25	Wed 6/18/25
211	Install New Exit Lane Equipment	1 day	Thu 6/19/25	Thu 6/19/25
212	Lane Acceptance Testing (LAT)	1 day	Thu 6/19/25	Thu 6/19/25
213	**Entry Lane #1**	**2 days**	**Fri 6/20/25**	**Mon 6/23/25**
214	Remove Old Lane Equipment	1 day	Fri 6/20/25	Fri 6/20/25
215	Cut, Wrap,& Seal New Detection Loops	1 day	Fri 6/20/25	Fri 6/20/25
216	Power & Communication Cabling	1 day	Fri 6/20/25	Fri 6/20/25
217	Install New Exit Lane Equipment	1 day	Mon 6/23/25	Mon 6/23/25
218	Lane Acceptance Testing (LAT)	1 day	Mon 6/23/25	Mon 6/23/25
219	**Entry Lane #2**	**2 days**	**Tue 6/24/25**	**Wed 6/25/25**



Project: CCDC ParkBoi Project
Date: Wed 10/16/24

ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
220	Remove Old Lane Equipment	1 day	Tue 6/24/25	Tue 6/24/25
221	Cut, Wrap,& Seal New Detection Loops	1 day	Tue 6/24/25	Tue 6/24/25
222	Power& Communication Cabling	1 day	Tue 6/24/25	Tue 6/24/25
223	Install New Entry Lane Equipment	1 day	Wed 6/25/25	Wed 6/25/25
224	Lane Acceptance Testing (LAT)	1 day	Wed 6/25/25	Wed 6/25/25
225	**Pay-On-Foot Station - CC Only #1**	**1 day**	**Thu 6/26/25**	**Thu 6/26/25**
226	R&R Communication Cabling	1 day	Thu 6/26/25	Thu 6/26/25
227	Remove Old Equipment	1 day	Thu 6/26/25	Thu 6/26/25
228	Install New Pay-On-Foot Station	1 day	Thu 6/26/25	Thu 6/26/25
229	Equipment Testing	1 day	Thu 6/26/25	Thu 6/26/25
230	**Pay-On-Foot Station CC Only #2**	**1 day**	**Fri 6/27/25**	**Fri 6/27/25**
231	R&R Communication Cabling	1 day	Fri 6/27/25	Fri 6/27/25
232	Remove Old Equipment	1 day	Fri 6/27/25	Fri 6/27/25
233	Install New Pay-On-Foot Station	1 day	Fri 6/27/25	Fri 6/27/25
234	Equipment Testing	1 day	Fri 6/27/25	Fri 6/27/25
235	**Pay-On-Foot Station CC Only #3**	**1 day**	**Mon 6/30/25**	**Mon 6/30/25**
236	R&R Communication Cabling	1 day	Mon 6/30/25	Mon 6/30/25
237	Remove Old Equipment	1 day	Mon 6/30/25	Mon 6/30/25
238	Install New Pay-On-Foot Station	1 day	Mon 6/30/25	Mon 6/30/25
239	Equipment Testing	1 day	Mon 6/30/25	Mon 6/30/25
240	**Pay-On-Foot Station CC and Cash #1**	**1 day**	**Tue 7/1/25**	**Tue 7/1/25**
241	R&R Communication Cabling	1 day	Tue 7/1/25	Tue 7/1/25



Project: CCDC ParkBoi Project
Date: Wed 10/16/24

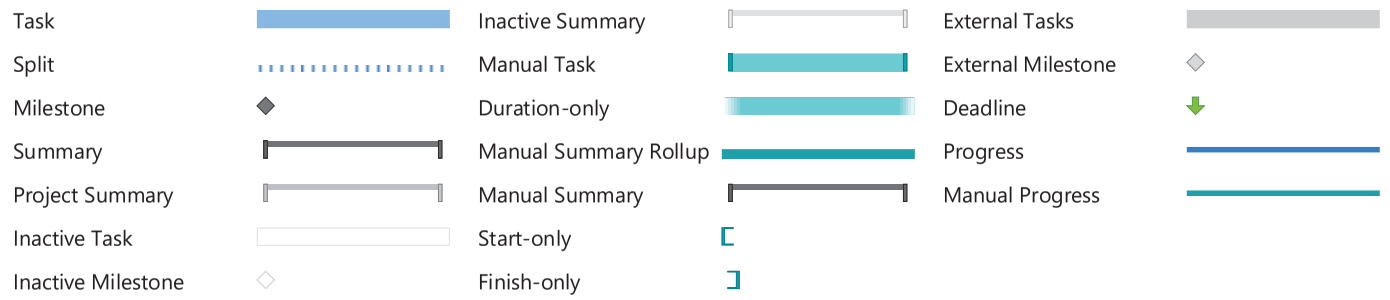
Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

ParkBoi Proposed PARCS Installation Schedule

ID	Task Name	Duration	Start	Finish
242	Remove Old Equipment	1 day	Tue 7/1/25	Tue 7/1/25
243	Install New Pay-On-Foot Station	1 day	Tue 7/1/25	Tue 7/1/25
244	Equipment Testing	1 day	Tue 7/1/25	Tue 7/1/25
245	**ParkBoi PARCS Substantial Completion**	**0 days**	**Wed 7/2/25**	**Wed 7/2/25**
246	**Operational Completion Testing (OCT) - Corrective Action As Needed**	**10 days**	**Mon 7/7/25**	**Fri 7/18/25**
247	**Punchlist**	**10 days**	**Fri 7/18/25**	**Thu 7/31/25**
248	**Closeout**	**5 days**	**Thu 7/31/25**	**Wed 8/6/25**
249	**Final Acceptance**	**1 day**	**Wed 8/6/25**	**Wed 8/6/25**



Project: CCDC ParkBoi Project
Date: Wed 10/16/24



C.5 Hotel and YMCA Integration Capabilities

HOTEL SOLUTION

Amano ONE offers an innovative flexible solution for providing the ultimate convenience and control when addressing hotel quest parking needs. The ONE Pass application allows authorized hotel personnel to sign in and upon confirming the hotel guest stay and need for parking access, can quickly scan the hotel guest's barcode entry ticket. Once the scan has been completed and verified in the Amano ONE system, the hotel personnel can select the validity from and to date and time, enter the phone number and email address, and save and/or send the pass to the hotel guest. The ticket can now be used to enter and exit the applicable parking facilities through the exit date and time. The hotel guest can also receive a barcode pass via text or email that can be scanned at the Amano ONE lane devices for access in place of a ticket. If the patron overstays the valid pass date, they will automatically be notified of the overage fee and charged for the additional length of stay when presenting the ticket or barcode credential at the Amano ONE exit device.

YMCA SOLUTION

Seamless integration for YMCA customers to use their membership pass cards as garage credentials through the Amano ONE system is available utilizing advanced API tools provided via Swagger. This API solution is a powerful, user-friendly suite that facilitates open design, testing, and deployment with Amano's credential API. By leveraging this integration, YMCA membership cardholder details can be securely shared with the Amano ONE platform, enabling management to control and customize access rights to specific garage locations.

Additionally, this interface technology enhances the customer experience by allowing facilities to offer parking reservations, coupons, prepaid event parking, citation and permit management, on-street parking convenience, and hotel and valet services. The system communicates with aggregators to verify customer credentials when scanned at parking devices or payment stations. APIs also enable facilities to accept prepaid reservations from third-party aggregators, expanding payment options and creating additional customer service opportunities for a more streamlined and convenient parking experience.

VALET SOLUTION

Amano ONE will use the unique barcode on the pre-printed valet ticket hangtags as a credential to control access and egress for valet drivers in the ParkBOI Garages. The valet hangtag ID numbers will be loaded into the system using the import utility. This solution allows management to track and control valet driver activity, ensuring proper use of the facilities. Additionally, management can review and generate reports on valet driver activity based on their access group, helping to monitor and address any potential misuse of access privileges.

C.6 Credit Card Processing Subsystem Plan

The Amano ONE system integrates with a cloud-based third-party payment gateway from Windcave, a validated PCI P2PE solution. Windcave handles credit card transactions and payment services using point-to-point encryption through all-in-one contact and contactless terminals. By utilizing the Windcave terminals, the Amano ONE software platform and parking hardware offer a complete credit card payment solution. No unencrypted credit card data or sensitive authentication data is stored or transmitted by the Amano ONE system, as Windcave terminals encrypt all card data immediately upon swipe or read. Information regarding costs, data flow, and clearinghouses has been provided for the Windcave solution.

Credit card processing can also be provided through the Planet Pay gateway which is also a validated PCI P2PE solution. Details on the Planet Pay solution can be provided upon request.

Windcave offers two service models, one for use of their payment gateway only and one that combines their payment gateway and merchant services. Current pricing plans for each service model are shown below.

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WINDCAVE PAYMENT GATEWAY ONLY

Plan	Monthly Fee	Monthly Included Transactions	Per Transaction Overage Fee	Term
Business (A)	$250.00	2,500	$0.10	24 months
Corporate (A)	$450.00	5,000	$0.09	36 months
Corporate (B)	$2000.00	25,000	$0.08	36 months
SAP*	$6.00	-	-	-

A one time setup fee of $250.00 will apply for new accounts.

*Service Access Package covers terminal management, technical support, remote software updates, compliance updates (per connected point of sale terminal).

WINDCAVE CONSOLIDATED SOLUTION – MERCHANT SERVICES & GATEWAY

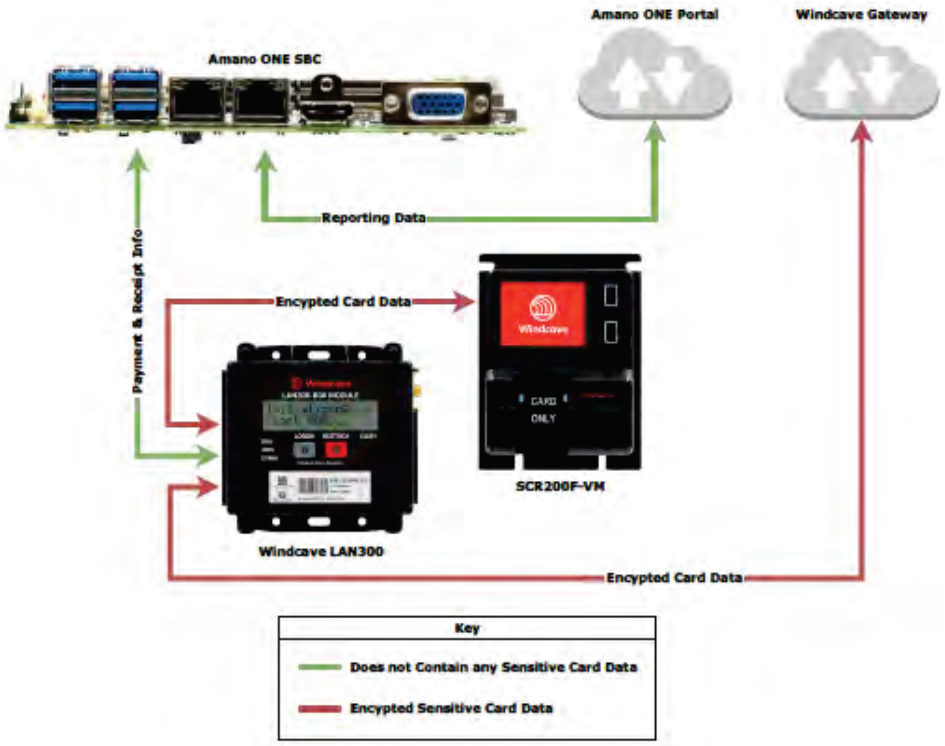
Plan	Monthly Fee	Monthly Included Transactions	Per Transaction Overage Fee	Term
Business (A)	$80.00	1,000	$0.07	24 months
Business (B)	$350.00	5,000	$0.06	36 months
Corporate (A)	$720.00	12,000	$0.055	36 months
Corporate (B)	$1250.00	25,000	$0.05	36 months
SAP*	$5.00	-	-	-

A one time setup fee of $100.00 will apply for new accounts.

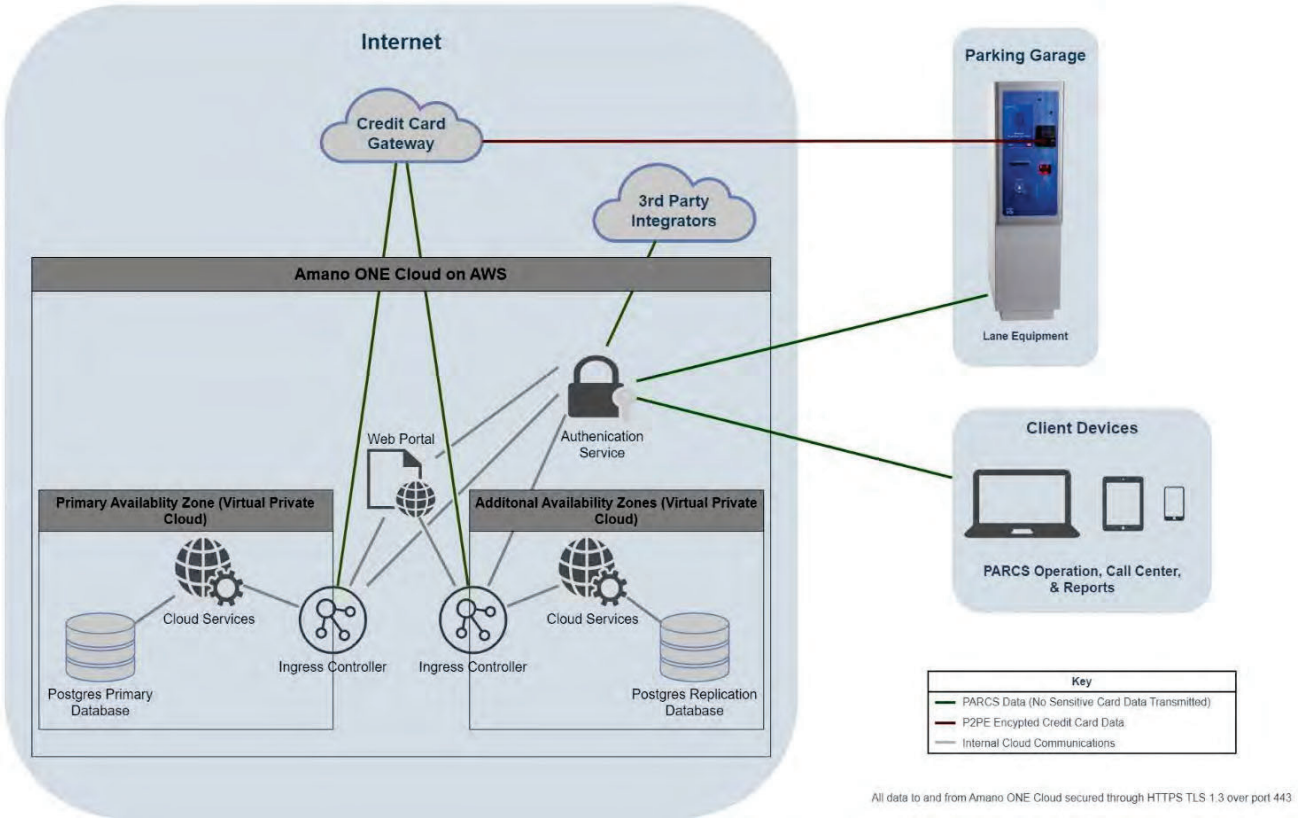
The following architecture and payment flow diagrams describe the payment acceptance encryption, transmission, decryption, and processing of the solution. These diagrams illustrate the data flow between Amano ONE devices and Windcave for transient and contract parker payment transactions.

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Amano ONE Windcave Dataflow



Amano ONE Data-Flow



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C.7 List of Clearinghouses with Certified Interface

Windcave is currently certified for MSR and chip card acceptance with the following processors for unattended payment solutions. Processors able to support chip card transactions through Windcave continue to be added to their approved list as those processors are available and certified.

- Windcave
- Chase Payment Tech
- Elavon
- Global Payments
- Heartland
- TSYS
- Fiserv (BofA, Wells, and Bank of Honolulu only)

C.8 Maintenance & Warranty Plan

WARRANTY PLAN

The proposed PARCS solution comes with a parts and labor warranty period of two years. The warranty start date will begin upon initial beneficial use of the system. All work is warranted in its entirety to be free of mechanical or electrical defects in design, material, and/or workmanship. Amano McGann will repair or replace all work delivered under the contract and correct any defect within the warranty period at no additional cost. The maintenance service during the warranty period will include all parts, labor, transportation, and support services to successfully perform maintenance, repair and/or replace any hardware, mechanical, electronic, programming, or software component to ensure the parking control system performs per the requirements of the technical specifications. The software system will be kept up to date with the latest software build upgrades and updates. This maintenance service includes all lane equipment, payment stations, host computer system hardware provided by Amano McGann, operating system, software, and all associated communication sub-systems and peripheral devices.

Software updates shall be provided as released during the warranty period and beyond as part of the SaaS model. Software-specific incidents may have temporary workarounds implemented with urgent software issues given priority. Any incidents identified as a low priority will be corrected as part of the next scheduled software release or as mutually agreed upon.

This warranty does not apply to situations where damage or malfunctions resulting from fire, flood, earthquakes, elements of nature or acts of God, pandemics, strikes, riots, collision, vandalism, misuse, electrical surges, power failure, use of non-manufacturer approved parts, or consumable supplies or any other similar cause beyond the reasonable control of Amano McGann.

There are no other warranties expressed or implied, and Amano McGann, Inc. disclaims any and all other warranties including, without limitation, implied warranties of merchantability and fitness for a particular purpose. Under no circumstances will Amano McGann, Inc. be liable for consequential, incidental, or similar damages, including lost savings, profits or other damages caused by the use in connection with the product or the ability to use the product, even if the dealer or Amano McGann, Inc. has been advised of such potential liability or other claims. Repair or replacement constitutes your sole and exclusive remedy. Some states do not allow the limitation or exclusion of liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you.

SERVICE PLAN

System maintenance and incident support are included in our service and warranty plan which provides the convenience of both nationwide and onsite support for the Amano ONE cloud-based system. Support is available during normal business hours and after-hours for emergency service.

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As stated during the Prebid Meeting, the Owners' representative will be responsible for preventive maintenance and on-site service. Amano McGann will provide remote support following the service level agreement listed below. We will train and certify the Owner's representative to provide the required skill and knowledge to perform maintenance and support services. The Amano ONE system is designed with plug and play non-proprietary peripheral components that allow for seamless onsite support and maintenance as needed. Amano McGann's recommended spare parts list, provided later in this section, will allow the Owner's representative to perform repair and maintenance as needed. As Amano McGann will not be providing onsite maintenance and support, we cannot agree to damages for response and resolution time.

Upon completion of this training by Amano McGann, the Owner's representative will be authorized to perform the following maintenance and support services, minimizing downtime and ensuring the system operates efficiently.

- Clean internal and external device components.
- Check for missing hardware, structural damage, cracked display, etc.
- Reboot LINUX unit and Amano ONE devices.
- Perform network speed and packet loss tests.
- Load thermal printer paper rolls and adjust paper feed.
- Replace gate arms.
- Replace plug and play components on Amano ONE devices including printers, barcode scanners, card readers, credit card terminals, SBC, display, etc.

The Amano McGann national support center adheres to the following Service Level Agreement when providing remote support to Amano ONE customers. Support is priority based 7am to 7pm.

Severity Level	Response	Examples of Severity Types
Highest / Critical	• 2-hour initial response • Daily updates • Target 3 days to resolve or bug creation	• Revenue generation impacting item. • Access Control not functioning (gates up). • Rates not functioning. • Political.
High	• 4-hour initial response • Every other day updates • Target 5 days to resolve or bug creation	• Difficult workarounds in place for items. • Operations impacted by issue that causes customer impact. • Other customer political.
Medium / Lower	• Next business day response • Weekly updates • Target 2 weeks to resolve or bug creation	• All other issues around configuration and implementation.

Support requests for the Amano ONE cloud-based system can be made by contacting our national support center at amanoonesupport@amanomcgann.com or 1-800-PARKHLP, or by submitting a support ticket through our online system. When submitting a request to the national support center, an acknowledgement will be sent with the ticket number associated with the support ticket opened for the request. This ticket number can be utilized to obtain status and details of the support request. If onsite service is needed, a work order will also be opened for the service technician and tied to the original ticket number.

Incident support requests can initially be addressed utilizing secure, remote diagnostics. Due to the reliability of the Amano ONE system and the fact that the devices have only one moving part, over 80% of all support calls for Amano ONE are resolved remotely. If an onsite visit by a certified

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Amano McGann technician is necessary, the national support team will open a work order for dispatch of a technician. Onsite service will be coordinated with the Owner's representative.

Normal business hours for Amano McGann support are Monday through Friday from 8:00AM to 4:30PM with online support available 24/7 as needed by an Amano McGann trained and certified support technician. For assistance outside of normal business hours, submit requests via email to amanoonesupport@amanomcgann.com and include the approved site and/or billing contact on record with Amano McGann. Service requests received outside of normal business hours or for non-warranty service will be billed at the current cost of services as listed below. In most cases, the issue will be corrected or repaired within a few hours. In situations where we are unable to resolve the issue within the agreed upon timeframe, a work-around will be put in place (i.e., replacement parts are not available in inventory so a temporary solution will be implemented until the parts are received).

The Amano McGann software development and engineering teams manage new feature development and bug fixes through a three-week sprint cycle with deployment occurring in the fourth week. If an issue is deemed critical, it is handled through a hot fix and deployed upon completion of the work and relevant testing. As part of your Amano ONE SaaS services, the software technology is deployed and supported on the world's leading cloud platform, AWS. This partnership with AWS provides trusted and unsurpassed infrastructure and resource performance management to Amano McGann to optimize your Amano ONE software solution.

Service Call Rates

Basic Rate	$160.00/Hour + Travel Expense
Overtime Rate	$240.00/Hour + Travel Expense
Double-Time Rate	$320.00/Hour + Travel Expense
IT Support Basic Rate	$195.00/Hour + Travel Expense
IT Overtime Rate	$292.50/Hour + Travel Expense
IT Double-Time Rate	$390.00/Hour + Travel Expense

Service Call Hours

Monday - Friday	8:00 AM - 4:30 PM	Basic Rate, 1 Hr. Minimum
Monday - Friday	4:31 PM - 9:00 PM	OT Rate, 2 Hr. Remote/4 Hr. Onsite Minimum
Monday – Friday	9:01 PM - 5:59 AM	DT Rate, 2 Hr. Remote/4 Hr. Onsite Minimum
Monday - Friday	6:00 AM - 7:59 AM	OT Rate, 2 Hr. Remote/4 Hr. Onsite Minimum
Saturday	8:00 AM - 4:30 PM	OT Rate, 2 Hr. Remote/4 Hr. Onsite Minimum
Saturday	4:31 PM – 11:59 PM	DT Rate, 2 Hr. Remote/4 Hr. Onsite Minimum
Sunday & Holidays	All Day	DT Rate, 2 Hr. Remote/4 Hr. Onsite Minimum

PREVENTATIVE MAINTENANCE PLAN

The Preventive Maintenance Plan is designed to ensure optimum availability of the system with minimal downtime of lane equipment and other associated system devices. This plan includes regularly scheduled preventative maintenance of the PARCS hardware components used for the public parking operation. We will work with the Owner's representative to develop an appropriate schedule for the performance of preventative maintenance services based on factors such as number of daily transactions and overall equipment use. The Preventive Maintenance services shall include, but will not be limited to, the following: inspection, testing, necessary adjustments, alignments, lubrication, parts cleaning, replacement of consumables, and battery refresh.

Scheduled Maintenance Procedures

All scheduled maintenance services provided by Amano McGann or the Owner's representative for the ParkBOI Garages will adhere to the following procedural guidelines:

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- Prepare – The operations or service manager will ensure that service technicians are properly trained on all aspects of the equipment being serviced, that all safety precautions are taken, and that all tools are available to perform the required maintenance duties. They will also ensure the service technicians understand the requirements for taking equipment out of service, initiating service documentation, and updating the maintenance log.
- Visually Inspect – Includes the following:
  - Clean internal and external devices.
  - Check for missing hardware, structural damage, cracked display, rust, pealing labels, etc.
  - Remove and clean optics.
  - Remove and clean print heads.
  - Clean and adjust card reader sensitivity.
  - Inspect and tune loop detectors and other detection devices.
  - Confirm printer settings.
  - Reboot LINUX unit.
  - Perform network speed and packet loss tests.
  - Check Datalogic GFS4470 Barcode Scanner setup.
  - Reboot Amano ONE lane device.
- Service and Repair – This includes performing the service and repair of any items noted faulty during the inspection.
- Test – This includes testing communications, network speeds, and Amano ONE equipment to ensure proper functionality.
- Return to Service – Once testing is complete and successful the technician shall return the equipment back into service.
- Complete Service Documentation – The technician shall complete the service documentation, file paperwork for historical purposes, and update the maintenance log.

RMA PROCEDURES

During the warranty period and under the optional ONEcare Premium extended warranty plan, Amano McGann will cover all non-consumable parts following the exclusions noted in the Warranty section above. If a part needs repair and cannot be fixed locally, we will create an RMA and, if available, use components from the spare parts inventory for the ParkBOI Garages to replace the defective part and alleviate downtime. The defective part will then be sent to the national repair center in Roseland, NJ for repair, and upon correction, it will be returned to replenish the ParkBOI Garages' spare parts inventory.

RECOMMENDED SPARE PARTS

Amano McGann recommends the following list of spare parts be kept onsite for repairs at the ParkBOI Garages. Unit pricing includes discount for project spare parts.

Item Number	Description	#	Unit Price
ATD-800350SP	SBC	3	$4,497.30
AVP-910550	Scanner	3	$761.40
ATD-806350	Printer	3	$1,360.80
EOE-124860	Credit Card Terminal, Unattended	3	$2,283.30
ATD-801450LN	Heater Kit	3	$675.00
AL35	11' Folding Gate Arm	5	$681.30
AL12	12' Straight Gate Arm	5	$403.20
AVP-915670SP	MEI BNR-421 Assembly, Cash POF	1	$19,584.80

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EXTENDED WARRANTY PLAN

Amano McGann can provide an extended warranty plan through our ONEcare Premium program for post-warranty support of all hardware components installed as part of the PARCS project. ONEcare Premium coverage provides comprehensive support service to manage your Amano ONE hardware technology while providing rapid component replacement, online and on-demand customer training programs, and additional discounts. The program also includes regularly scheduled preventative maintenance for Amano ONE hardware to ensure optimum availability of your system with minimal downtime of lane equipment and associated system devices. Preventative maintenance services include inspection, testing, necessary adjustments, alignments, lubrication, parts cleaning, replacement of consumables, and battery refresh. Parts and labor only plans are also available through ONEcare.

Amano ONE software support is provided through our SaaS Agreement. As part of your Amano ONE SaaS services, the software technology is deployed and supported on the world's leading cloud platform, AWS. This partnership with AWS provides trusted and unsurpassed infrastructure and resource performance management to Amano McGann to optimize your Amano ONE software solution.

Participation in the ONEcare Premium program comes with the peace of mind in knowing you will be working with a team of professional service and support engineers who are dedicated to helping you maximize your parking system investment. The following brochure has been included to provide additional details on the Amano McGann ONEcare program.

C.9 Training Program

Amano McGann will provide onsite training during and after the installation process. Additionally, if desired, we can offer training for the CCDC's operations team at our factory in Loveland, OH. Practical classroom training will be provided to all specified personnel levels and will be structured to minimize any disruption to parking operations. This proposal includes comprehensive training for your staff prior to the system going live, followed by a refresher course three to six weeks post-installation to address any questions based on real-life use of the system. The training will cover parking equipment operations, maintenance procedures, troubleshooting and repairs, parts replacement, system management, and reporting.

Your team will also receive access to Amano McGann's Learning Management System (LMS). The LMS is a self-study course that allows system users and managers the benefit of studying the Amano ONE learning material at their own pace and in their own time. LMS complements formal training and is a great reference tool to verify any number of features of the system. LMS can also be used at any other time as a refresher course or as part of your onboarding program for new employees. The LMS training platform brings training to you, on your schedule and is designed with a "how-to" straightforward philosophy. Training courses include product overviews, technical setup, how-to demonstrations, and scenario-based overviews. Some of the courses provide information in a static format, while others include narrated videos or hands-on visual demonstrations. Lessons are segmented by topic into short sessions for easier comprehension and retention with a short quiz at the end of each course. New courses will populate in the user dashboard each time a new feature or training topic is released.

The classroom style training will be conducted based on team member role. The class sizes will be kept small, which allows the instructor to hold the attention of the entire class during hands-on training and leads to better retention of the training material. In this manner, students can learn from each other while being guided by their instructor. The Amano McGann training plan will include:

- Customized Syllabus & Checklist
- Classroom-Style Training
- Sessions with Per-Role Application

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- Follow-up Training Session Three to Six Weeks After Go-Live Date
- Daily/Weekly Maintenance for Equipment
- Equipment & Software Manuals

We will perform training for designated parking staff and will coordinate with parking management to ensure the most effective training plan is implemented. Dependent upon the nature of the training, software applications can be performed via an online meeting or in a classroom atmosphere with the use of one computer and a projector. Hardware training can be performed at a predetermined location where the pertinent hardware devices can be staged and utilized. The actual lane equipment can also be programmed and used for the training sessions prior to the installation.

The Amano McGann trainer will schedule and coordinate training classes in accordance with the project requirements. This process will ensure that all staff and management personnel are trained in the use and operation of the new system hardware and software. Brief overviews of typical training sessions with estimated participants and class times have been provided as follows:

General Participants – Solution Overview Training
High-level solution overview to familiarize all staff with the capabilities of the lane equipment, revenue devices, and cloud-based system management platform. This session will be provided for all staff involved in the operation and management of the parking solution. Estimated class time is two hours with five to ten participants per session.

Operations Staff – Service and Maintenance Training
Training for operations staff will include an interactive, in-depth walk-through of all system functionality and features of the lane equipment and revenue devices; preventative maintenance of equipment including cleaning and adjustments; system troubleshooting to include system reset, changing ticket/receipt paper, etc., and a detailed overview of system configurations and setup. The objective of the training is to arm the operations team with the knowledge to maintain lane equipment and revenue devices, as well as provide advanced troubleshooting techniques. Estimated class time is two hours with up to four participants per session.

System Administrators – Software Training
Training for administration staff to ensure appropriate knowledge of software capabilities and system infrastructure. Training includes rate setup, report generation, internal auditing, cardholder database management, system activity monitoring, and set up and maintenance of user accounts. Estimated class time is two hours with four to five participants per session.

Auditors / Accounting Staff – Software Training
Training for auditors and accounting staff includes rate assignments, valid parking times, generating reports, internal auditing, data filing collection, credit card transaction processes, parker database maintenance, and set up and maintenance of user account passwords. Estimated class time is two hours with four to five participants per session.

Maintenance Supervisors – Advanced Hardware Training
The objective of the Advanced Hardware Training course is to arm maintenance supervisors with the knowledge to maintain lane equipment, as well as provide advanced troubleshooting technique. Training also includes an overview of system features, configurations, and setup. Estimated class time is four to six hours with up to four participants per session.

Training Syllabus
A sample training syllabus that covers both the hardware and software components of the new parking system is provided below. The practical implementation of this training is highly flexible, allowing us to accommodate your team's schedules and any project demands. This ensures that all personnel receive thorough instruction while minimizing disruptions to daily operations and facilitating a smooth transition to the new system.

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Amano ONE Cloud-Based Software – Training Topics

Software training will cover the Amano ONE software platform in detail. Training will include creating and maintaining accounts, monitoring parking activity, remote control of the lane equipment, and call center operations. It will also cover training on reports with a focus on running, filtering, and sorting pertinent information.

- Parking Management Software Platform
- Overview of Operations
- Screen Navigation
- In-Depth Breakdown of Software Components:
    - Access Control
    - Revenue Management
    - Occupancy
    - Shared Accounts
    - Validations
    - Mobile Payments
    - Call Center
    - LPR
    - Reporting

Amano ONE Entry, Exit, & Pay-On-Foot Device – Training Topics

- **Menu**
    - General
    - Introduction to the Amano ONE device
    - Initial operation and part location overview
    - Door
        - Tablet
        - Microphone box
        - Barcode scanner
        - Credit card terminal
        - Ticket printer
- **Device**
    - USB Terminal Block
    - Power Center
    - Heater
- **Internal Parts Overview**
- **Tablet Overview**
    - How to power up and down the tablet
    - 8-Hour internal battery
    - Internal camera/intercom for call center
    - Lock
    - Troubleshooting tips
- **Printer Overview**
    - Adjusting the paper feed
    - Loading the paper
    - Paper sensor location
    - Troubleshooting tips
- **Barcode Scanner Overview**
    - Removal and replacement of scanner
    - Cleaning the lens
- **Credit Card Overview**
    - Windcave or Planet credit card reader
    - Removal and replacement of reader
    - Cleaning the read head

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AMI-1200 Parking Gate – Training Topics

- **Overview**
- **Features**
- **Options**
- **Field Connect Board**
- **Specifications**
- **Component Layout**
  - Gate control board
  - Loop connections
  - LED indicators
  - Status LED
  - Field connect board
  - Input connections
  - Output connections
  - Horizontal gate arm adjustment
- **Maintenance and Troubleshooting**
  - Motor
  - Lubrication
  - Fuse replacement

C.10 Milestone Payment Plan

Amano McGann is providing the following payment plan based on milestones as required.

Milestone	Percentage	Amount
#1 Phase 1: 50% Deposit on Project	50%	$ 714,993.50
#2 Phase 2: Progress Payment upon Deployment of All Facilities	40%	$ 571,994.80
#3 Phase 3: Closeout of Punchlist and Acceptance	10%	$ 142,998.70
Total	**100%**	**$ 1,429,987.00**

C.11 Nature and Impact of Exceptions

Amano McGann has conducted a comprehensive review of the RFP for the installation of a PARCS solution for the ParkBOI Garages. Based on this evaluation, we are confident that our proposed Amano ONE solution will meet or exceed the requirements contained in this RFP. However, during our detailed analysis, we identified a few specifications where we have taken exception and provided additional clarification regarding the requirements, features, and/or functionalities.

1) **Addendum No 1 - The system should be able to operate offline in case of network outages, ensuring that cashiers can continue processing transactions without interruption.**
   2.04 B.2. - PARCS lane components shall operate in a stand-alone condition (without cloud connectivity) for a minimum of two (2) consecutive days without loss of transaction data.
   2.04 G.3.n. - Stand-alone capabilities for each Entry terminal in the event that network communication is lost, and regardless of where on the network the communication interruption occurs. Specifically, each Entry terminal shall provide offline transaction storage capacity for all transactional information for a minimum of two (2) consecutive days. The lane shall automatically close in the event that the minimum transaction

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threshold is reached and shall remain closed until re-establishment of communications. Entry terminal shall automatically upload all transaction information once communication is restored.
2.04 H.3.t. - Stand-alone capabilities for each Unattended Exit terminal in the event that network communication is lost, and regardless of where on the network the communication interruption occurs. Specifically, each Unattended Exit terminal shall provide offline transaction storage capacity for all transactional information, including encrypted credit card data, for a minimum two (2) consecutive days. The lane shall automatically close in the event that the minimum transaction threshold is reached and shall remain closed until re-establishment of communications. Unattended Exit terminal shall automatically upload all transaction information once communications are restored.
2.04 H.3.t.(1) - In the event that the device's offline storage capacity is filled, and the device needs to shut down, all stored credit card information shall be permanently stored and accessible once the device comes back online.
2.04 H.3.t.(2) - Devices shall be able to store and forward data for offline transactions so devices can be used if the system is offline.
2.04 R.3.a.(11) - Operate offline when network connectivity is interrupted.
2.04 R.3.a.(12) - In the event that the device's offline storage capacity is filled, and the device needs to shut down, all stored credit card information shall be permanently stored and accessible once the device is powered on. Devices shall be able to store and forward data for offline transactions so devices can be used if the system is offline.
2.04 S.3.a.(11) - Operate offline when network connectivity is interrupted.
2.04 S.3.a.(12) - In the event that the device's offline storage capacity is filled, and the device needs to shut down, all stored credit card information shall be permanently stored and accessible once the device is powered on. Devices shall be able to store and forward data for offline transactions so devices can be used if the system is offline.

The Amano ONE network design will utilize a TCIP/IP network between each device and connect a single network router to the internet. The proposed router is specifically designed to support multiple, hard-wired internet service lines and two separate LTE cellular SIM cards. The router is equipped with an automatic failover feature between the internet service and cellular providers. In the event that the primary internet service fails, the router will automatically roll over to the next active hard-wired internet service. If the secondary hard wired internet connection should fail, the router will then roll to the third layer of redundancy reaching the internet via cellular communication. Offline functionality is on our upcoming development schedule and projected to be delivered Q3-Q4 2024. This enhancement will be seamlessly installed upon QA certification and provided to the site via our "sprint" process.

2) 1.13 – Maintenance Services

As stated in the Prebid Meeting, the Owners' representative will be responsible for preventive maintenance and on-site service. Amano McGann will provide remote support following the service level agreement listed below. Amano McGann will train and certify the Owner's representative to provide the required skill and knowledge to perform maintenance and support services. The Amano ONE system is designed with plug and play non-proprietary peripheral components that allow for seamless onsite support and maintenance as needed. Amano McGann's recommended spare parts list, provided in the Maintenance & Warranty Plan in section C8, will allow Owner's representative to perform repair and maintenance as needed. As Amano McGann will not be providing onsite maintenance and support, we cannot agree to damages for response and resolution time.

The Amano McGann national support center adheres to the following Service Level Agreement when providing remote support to Amano ONE customers. Support is priority based 7am to 7pm.

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Severity Level	Response	Examples of Severity Types
Highest / Critical	• 2-hour initial response • Daily updates • Target 3 days to resolve or bug creation	• Revenue generation impacting item. • Access Control not functioning (gates up). • Rates not functioning. • Political.
High	• 4-hour initial response • Every other day updates • Target 5 days to resolve or bug creation	• Difficult workarounds in place for items. • Operations impacted by issue that causes customer impact. • Other customer political.
Medium / Lower	• Next business day response • Weekly updates • Target 2 weeks to resolve or bug creation	• All other issues around configuration and implementation.

3) **1.04 A.23. - Provide LPR cameras for all entry and exit lanes as well as long range proximity card readers. Vendors shall provide alternative costs for optional AVI readers.**

   Due to the physical lane layouts, LPR performance will be limited. For this reason, we are proposing the use of AVI technology. All other LPR requirements in the technical spec are excluded from this proposal.

4) **2.04 P.2. - The intercom system shall feature audio induction hearing loops that support improved audio transmission for hearing aids.**
   2.04 P.5. - In the event that the arming loops are triggered for a configurable amount of time with no transaction being initiated, the intercom station in the lane shall automatically place an intercom call.

   This intercom functionality is not available at this time.

5) **2.01 F.4.h.(14) - If a session has been idle for more than fifteen (15) minutes, require the user to re-authenticate before re- activating the session.**

   This functionality is not yet available with Amano ONE.

6) **2.01 F.4.l. - The PARCS software shall provide functionality to easily track the preventative maintenance cycles for all equipment. The system shall show the history of preventative maintenance for equipment.**

   Usage metrics are available within Amano ONE, but tracking of performed maintenance within the product is not yet available.

7) **2.01 G.14.a. - Monthly Reports**
   (7) - Monthly peak occupancy report (Relating to Facility)
   (12) - LPR Reports

   These reports are not available at this time.

8) **2.01 G.14.a.(1) - Monthly ISF summary**

   Insufficient funds transactions cannot be processed in Amano ONE. It is recommended that validations be used to discount and track transactions where a parker does not have enough money to pay a transaction.

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9) **2.01 G.14.a.(3) - Monthly lost ticket transactions that could not be reconciled by LPR (i.e., charged the daily maximum rate)**

The Revenue Transaction Report can filter to show lost tickets only, but it cannot differentiate lost tickets due to unreconcilable LPR reads.

10) **2.01 G.14.b. - Daily Reports**
(10) - Daily Exception Transactions Report
(11) - Daily Receipt Report
(12) - Daily Detailed LPR Transactions Report

These reports are not available at this time.

11) **2.01 G.14.c.(1) - Occupancy (including the peak occupancy over a given timeframe, by customer type)**

Occupancy by type is available, but the peak is not specifically called out in the report.

12) **2.01 G.14.c.(9) - Receipts report by date**

These reports are not available at this time.

13) **2.01 G.14.f. - Lost Ticket Transactions Tracking Report (available in daily, monthly, and yearly containing the sort-able/filterable columns below)**
(4) - Last name (non-case sensitive)
(5) - First name (non-case sensitive)
(6) - Phone #
(7) - LPN State
(8) - LPN
(9) - Supervisor approval (non-case sensitive)

The following information is not collected on a lost ticket transaction:
First name
Last name
Phone #
LPN State
LPN
Supervisor Approval

14) **2.01 G.14.g. - Manually Closed Ticket Report and Open Ticket Report (available in daily, monthly, and yearly containing the sort-able/filterable columns below)**
(7) - Service Type
(8) - Description
(9) – Prepaid

The Ticket Status report does not have these data items.

15) **2.01 G.14.h. - Summary Reports**
(3) - Open stay report for a configurable length of time – Report shall include a list of vehicles in the garage longer than a period of days and their license plate.
(c) - Ticket back details

Summary reports for the following items do not exist.
2.01 G.14.h.(3) - Open stay report for a configurable length of time – Report shall include a list of vehicles in the garage longer than a period of days and their license plate.
2.01 G.14.h.(c) - Ticket back details

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16) **2.04 G.3.b. - Access door with appropriate tamper-resistant locking system (all entry terminals keyed alike, and unique to this installation)**
2.04 H.3.b. - Access door with appropriate tamper-resistant locking system (each Unattended Exit terminal keyed alike, and unique to this installation)

Keys are not unique to the location unless the device locks are changed by the local team.

17) **2.04 G.3.h. - Issues audio voice instructions to complement the visual instructions.**
2.04 H.3.j. - Issues audio voice instructions to complement the visual instructions.
2.04 H.3.r. - Issues audio voice instructions to complement the visual instructions.
2.05 B.1.b. - When the vehicle activates the arming loops, the message on the Entry Station's display shall read, and an audible voice shall sound with a predetermined message designated by the Owner such as "Welcome to ParkBOI, Please Press Button for Ticket, or scan your credential."
2.05 B.5.a. - If user presents a proximity card or AVI, the audible signal shall cease, and the display shall read, and an audible voice shall sound with a specified prompt discussed between the Contractor and Owner. The barrier gate shall rise to the open position, allowing the vehicle to enter the parking facility.
2.05 C.1.d. - After the appropriate entry credential is presented, the message "Processing, Please Wait" is displayed. Once positive verification of data occurs, the display shows the fee due. The display reads, and an audible voice sounds, "Please Insert or Present Credit Card for Payment".
2.05 C.1.g. - Once payment is obtained the display reads, and an audible voice sounds, "Please Take Credit Card".
2.05 C.1.h. - Card is removed, the station gives the option to print the patron receipt, if selected the display reads, and an audible voice sounds, "Please Take Receipt", and the station produces an audible "beep". Shall also provide receipt option for cash transactions.
2.05 C.1.i. - Receipt is taken, audible "beep" ceases, the display reads, and an audible voice sound, "Thank you from the staff of ParkBOI", and the barrier gate rises.

Audio instructions are in the development queue and will be provided when available.

18) **2.04 K.2.e. - Breakaway mechanism that allows a gate arm to be broken off and re-attached.**
2.04 K.2.f. - Breakaway alarm notification to the central system

Break away arm unavailable.

19) **2.04 V.3.a.(3) - Hybrid Permit Management (ability to control max daily usage, and capture overages in areas by day, i.e., this is the Commercial Permit in Parking Base, wherein we would bill the client for any usage beyond the Qty allowed)**

This functionality is in the development queue and will be available at a future date.

20) **2.05 B.4.a. - If a user pushes the ticket issue button, retrieves the ticket, and then the vehicle backs out of the lane the barrier gate shall automatically return to the closed position (no timed delay to lower the barrier gate arm to the closed position shall be acceptable), the ticket shall be invalidated within the system, and an alarm shall be generated. The stolen ticket entry event shall be stored in the system. The ticket shall be electronically invalidated and shall not be allowed to be processed at any exit.**

Amano ONE uses a timed delay due to the variable nature of vehicle lengths and parking lane layout. In some layouts, it is possible for smaller vehicles to come off the arming loop before activating the close loop. The timed delay is there to prevent that parker's ticket from being invalidated.

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C.12 Appendix A – Sample Set of Standard Reports

Amano ONE delivers a powerful, responsive design to manage your parking assets and generate best in class reporting from any web enabled device. The built-in reporting tool allows you to sort and report on the data that is important to you and your operations. Your data can also be exported to a wide variety of formats to fit the needs of your financial applications. A list of some available standard PARCS reports has been provided along with a snapshot of a few of the most common reports and a more detailed reports document providing an overview of the standard reports.

Credential Access Reports

- Access Holder Activity Report
- Access Holder Detail Report
- Access Holder Status Report
- Hotel Self-Park Guest Report
- Prepaid Pass Report
- Prepaid Pass Status Report
- Shared Account Activity Report
- Valet Activity Report

Occupancy Reports

- Count Activity Differentials Report
- Count Activity Non-Reset Report
- Count Statistics Report

Revenue & Validation Reports

- Cashier Shift Report
- Flexible Parking Account Report
- Grace and Lag Transaction Report
- Hotel Self-Park Charges Report
- Over Usage Report
- Prepaid Pass Report
- Rate Details Report
- Revenue Transaction Report
- Summary Totals Report
- Time Parament Report
- Transaction Details Report
- Validation Statement Summary Report

Statistics & Analytics Reports

- Duration of Stay Report
- Entry Exit Report
- Parking Fee Report

System & Operations Reports

- Alarms & Alerts Report
- Call Center Report
- Cash Inventory Report
- Dispenser Transaction Report
- Rate Detail Report
- Ticket Status Report
- User Actions Report

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ACCESS OLDER ACTIVITY REPORT

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Access Holder Activity Report

Page 1 of 2

Created on 02/21/2022 14:06

Report Dates: 02/01/22 00:00 - 02/21/22 23:59

Total number of records: 31

Facility Name: **Roseville Parking**

Credential Type: **Monthly, Prepaid**

First Name	Last Name	Credential	Activity Date	Direction	Result	Allowed	Device Name	Facility Name
Ralph	Winston	Spot01	02/01/2022 08:41:23	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ryan	Johnston	Spot02	02/01/2022 08:46:10	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ralph	Winston	Spot01	02/01/2022 09:06:10	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ryan	Johnston	Spot02	02/01/2022 09:07:25	Exit	Valid Access	True	Exit Lane	Roseville Parking
Jack	Nelson	Spot04	02/03/2022 15:09:41	Entry	Pass Expired	False	Entrance Lane	Roseville Parking
Jerry	Tom	Spot05	02/03/2022 15:16:15	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Jerry	Tom	Spot05	02/03/2022 16:13:02	Exit	Valid Access	True	Exit Lane	Roseville Parking
Pat	Gibeau	2074	02/11/2022 08:28:03	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking
Clubs	Tudor	34536	02/14/2022 12:47:05	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Clubs	Tudor	2090	02/14/2022 12:47:16	Exit	Exclusive Credentials	False	Exit Lane	Roseville Parking
Clubs	Tudor	34536	02/14/2022 12:47:22	Exit	Valid Access	True	Exit Lane	Roseville Parking
Clubs	Tudor	34536	02/14/2022 12:49:46	Exit	Hard Anti-Pass-Back	False	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 08:35:39	Entry	Locked Out	False	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 08:35:48	Entry	Locked Out	False	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 08:55:18	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 08:55:23	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:17:56	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:05	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:15	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:49	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:57	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 14:34:42	Entry	Hard Anti-Pass-Back	False	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 14:35:13	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 14:38:05	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Pat	Gibeau	2074	02/18/2022 12:07:15	Entry	Hard Anti-Pass-Back	False	PG Entry / Exit	Roseville Parking
Ryan	Johnston	Spot02	02/18/2022 13:25:32	Entry	Pass Expired	False	Entrance Lane	Roseville Parking
Jerry	Tom	Spot05	02/18/2022 13:25:43	Entry	Pass Expired	False	Entrance Lane	Roseville Parking

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OCCUPANCY REPORTS

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Count Activity Differentials Report

Page 1 of 1

Created on 05/27/2022 12:13 **Report Dates: 05/26/22 00:00 - 05/26/22 23:59** **Total number of records: 24**

Facility Name: Roseville Parking
Count Type: Occupied

Date and Time	Contract	Facility	Transient
05/26/2022 00:00	88	226	95
05/26/2022 01:00	88	226	95
05/26/2022 02:00	88	226	95
05/26/2022 03:00	88	226	95
05/26/2022 04:00	88	226	95
05/26/2022 05:00	88	226	95
05/26/2022 06:00	88	226	95
05/26/2022 07:00	88	226	95
05/26/2022 08:00	88	226	95
05/26/2022 09:00	89	227	95
05/26/2022 10:00	89	237	95
05/26/2022 11:00	89	237	95
05/26/2022 12:00	89	237	95
05/26/2022 13:00	89	237	95
05/26/2022 14:00	89	237	95
05/26/2022 15:00	90	238	95
05/26/2022 16:00	90	238	95
05/26/2022 17:00	90	238	95
05/26/2022 18:00	90	238	95
05/26/2022 19:00	90	238	95
05/26/2022 20:00	90	238	95
05/26/2022 21:00	90	238	95
05/26/2022 22:00	90	238	95
05/26/2022 23:00	90	238	95

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SUMMARY TOTALS REPORT

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Summary Totals Report

Page 1 of 4

Created on 02/21/2022 11:45 **Report Dates: 10/13/21 00:00 - 10/13/21 23:59**

Facility Name: Roseville Parking
Device Name: Exit Lane

Avg. Gross Fee: $30.64
Avg. Net Fee: $20.64

Device Totals

Summary Type	Transaction Amount	Transaction Count	Validation Count
Gross	$337.00	11	
Net	$227.00	11	
Discounts	($110.00)	3	3
$0 Transactions	$0.00	2	
Payment Type			
Credit Cards	$227.00	9	
American Express	$161.00	2	
Discover	$42.00	3	
Visa	$24.00	4	

Validation Discounts/Surcharges

Validation Name	Transaction Amount	Transaction Count	Validation Count
$2.00 Off	($2.00)	1	1
AMC Free Parking	($108.00)	2	2

Rates

expensive fast Rate	Transaction Amount	Transaction Count	Validation Count
Gross	$337.00	11	
Net	$227.00	11	
Discounts	($110.00)	3	3
$0 Transactions	$0.00	2	

Facility Name: Roseville Parking

Entry and Exit Statistics

Parker Type	Previous Entries	Entered	Exited	Lost Tickets	Difference
Transient	100	12	11	0	101
Monthly	12	0	0	0	12
Prepaid	7	0	0	0	7

Entry Device Ticket Sequence

Device Name	Starting Ticket Sequence #	Ending Ticket Sequence #	Difference	Backouts
Entrance Lane	672	686	15	3

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VALIDATION STATEMENT REPORT

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Validation Statement Summary

Page 1 of 1

Created on 02/21/2022 11:52 **Report Dates: 01/01/21 00:00 - 02/21/22 23:59**

Total number of validations: 150
Total amount of validations: -$3786.00
Total number of accounts: 8

Facility Name: **Roseville Parking**

Validation Account	Validation Name	Validated Amount	Count
AMC Movie Theatres	$2.00 Off	-$10.00	6
AMC Movie Theatres	AMC 50% Off	-$7.00	2
AMC Movie Theatres	AMC Free Parking	-$597.00	54
AMC Movie Theatres	Flat $1.00	-$768.00	2
Call Center Discounts	$2.00 Off	-$7.00	5
Call Center Discounts	100% Off Parking	-$429.00	9
Call Center Discounts	Free Parking	-$84.00	8
Call Center Discounts	Half price	-$92.00	4
Christian's Account	Free Parking	-$1.00	1
Guitar Center	free for jack's homies	-$85.00	9
I Love Tacos	Free Parking	-$1.00	1
Pizza Planet	Flat $1.00	-$50.00	4
Pizza Planet	free parking	-$14.00	1
Roseville Parking Office	Parking Office Flat $1.00	-$2.00	1
Test Validation Account	$1 off	-$10.00	9
Test Validation Account	100% off	-$1629.00	34

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DURATION OF STAY REPORT

The Amano ONE technology has the ability to program and process unlimited rate structures giving you a wide range of revenue control options. However, when implementing a variable rate structure for your facility that charges your guests based on the time they have parked, can only maximize the revenue performance if the rate is implemented during “peak” parking times. The Duration of Stay report generates the details that show you by your rate structure time frames not only the % of total transactions but the gross revenue and what percentage it represents. By effectively using this report and modifying your rate structures you can significantly increase transient revenue activity.

Duration Report

Page 1 of 4

Created on 02/21/2022 11:26 **Report Dates: 01/01/21 00:00 - 12/31/21 23:59**

TRANSIENT ACTIVITY

Facility Name: **Roseville Parking**

Time Categories		Transaction Count	% of Total Transactions	Gross Amount	% of Total Amount	Average Gross Amount
From	To					
0 hr	0 hr 30 mn	192	48.12%	$642.00	10.98%	$3.34
0 hr 30 mn	1 hr	26	6.52%	$756.00	12.93%	$29.08
1 hr	1 hr 30 mn	22	5.51%	$383.50	6.56%	$17.43
1 hr 30 mn	2 hr	13	3.26%	$82.00	1.40%	$6.31
2 hr	2 hr 30 mn	11	2.76%	$143.00	2.45%	$13.00
2 hr 30 mn	3 hr	18	4.51%	$341.00	5.83%	$18.94
3 hr	4 hr	25	6.27%	$196.00	3.35%	$7.84
4 hr	5 hr	11	2.76%	$177.00	3.03%	$16.09
5 hr	6 hr	3	0.75%	$178.00	3.04%	$59.33
6 hr	7 hr	5	1.25%	$451.00	7.71%	$90.20
7 hr	8 hr	1	0.25%	$8.00	0.14%	$8.00
8 hr	9 hr	0	0.00%	$0.00	0.00%	$0.00
9 hr	10 hr	2	0.50%	$48.00	0.82%	$24.00
10 hr	11 hr	1	0.25%	$20.00	0.34%	$20.00
11 hr	12 hr	0	0.00%	$0.00	0.00%	$0.00
12 hr	13 hr	0	0.00%	$0.00	0.00%	$0.00
13 hr	14 hr	4	1.00%	$88.00	1.51%	$22.00
14 hr	15 hr	2	0.50%	$280.00	4.79%	$140.00
15 hr	16 hr	3	0.75%	$486.00	8.31%	$162.00
16 hr	24 hr	47	11.78%	$1091.00	18.66%	$23.21
24 hr	36 hr	13	3.26%	$476.00	8.14%	$36.62
36 hr	48 hr	0	0.00%	$0.00	0.00%	$0.00
48 hr	60 hr	0	0.00%	$0.00	0.00%	$0.00
60 hr	72 hr	0	0.00%	$0.00	0.00%	$0.00
72+ hr		0	0.00%	$0.00	0.00%	$0.00

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

AMANO ONE Report Samples

The Amano ONE software has a full-featured reporting selection. Customers can access their facility data from multiple views for a variety of operational purposes. The Amano ONE report structure allows a facility operator to easily reconcile revenue daily; retrieve historical credential access activity, audit revenue transactions and/or user changes; and identify statistical parking and revenue trends and patterns over time.

The Amano ONE reports can be exported in any the following formats: PDF, XLS, XLSX, RTF, DOCX, MHT, HTML, Text, CSV, and Image.

In the Amano ONE web portal, the reports are arranged alphabetically. The reports are outlined below with a brief description and output sample. For this outline, we have been arranged by the following operational categories:

- Credential Access Reports
- Occupancy Reports
- Revenue & Validations Reports
- Statistics & Analytics Reports
- System & Operations Reports

Credential Access Reports

Access Holder Activity Report

Report Scope:

This report compiles access activity transaction data at a facility for a specified time and date range. The data represents access attempts at entry and exit lane devices in a facility by access holders with credentials on file in the Amano ONE system. The report displays access data about each transaction and identifies whether an access holder was granted or denied access.

A system user can run this report to display activity for individual parkers, groups, or for all credential parkers.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, report date/time range, facility, total number of records, and page number. The report parameters/filters will be shown on the top left as well.

This report displays the following data with headers: First Name, Last Name, Credential, Activity Date, Direction, Allowed, Device Name, and Facility Name.

Report Filtering:

The user can filter the data by inputting or selecting parameters for certain access holder activity fields.

Some fields can be filtered by inputting parameter criterion manually. The fields that filter this way are Credential, Last Name, First Name, and Company. When the user populates any of these filters, the system will display only the account records that have any of the criteria entered.

Many fields have drop-down choice style filters in which a user can select one, some, or all parameters. The Result, Device Name, and Direction fields are searchable and selectable in this way. Access holder activity records associated with any of the parameters selected in these filters will be displayed on the report.

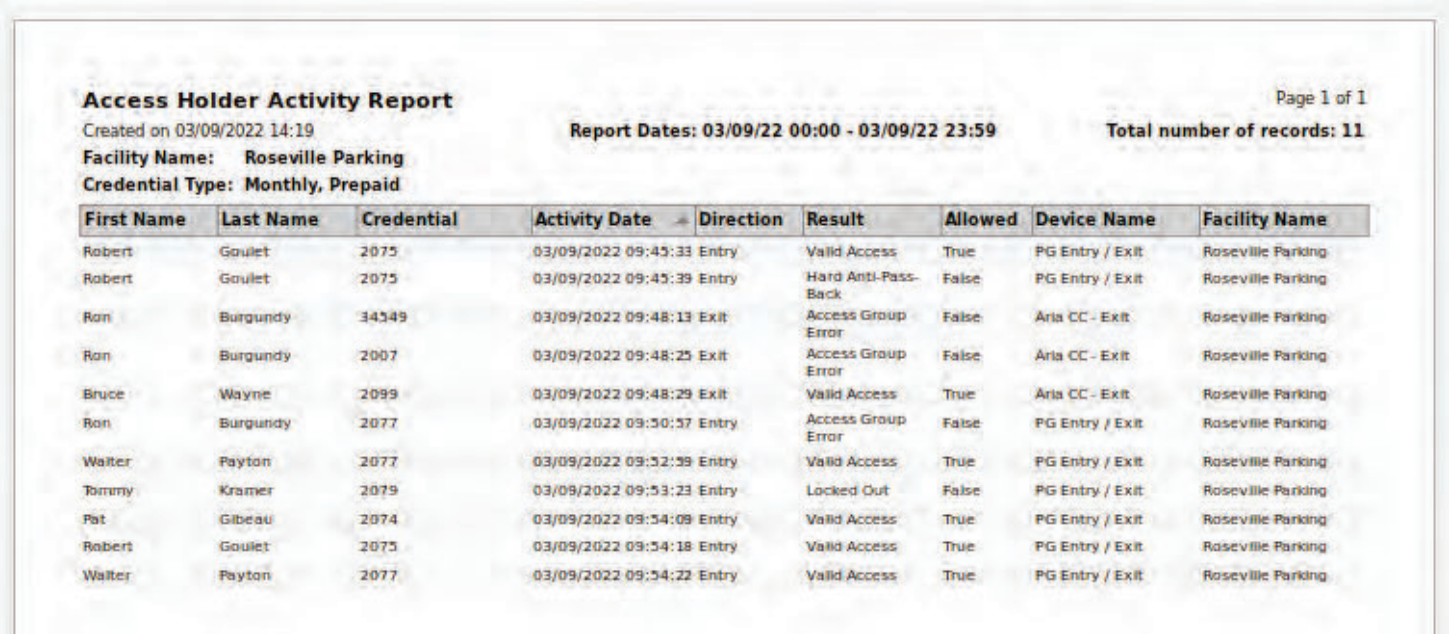
The user can also filter the report by access group. The user can choose one access group from the drop-down list.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Access Holder Activity Report (Cont'd)

Report Sample:



Access Holder Activity Report

Page 1 of 1

Created on 03/09/2022 14:19

Report Dates: 03/09/22 00:00 - 03/09/22 23:59

Total number of records: 11

Facility Name: Roseville Parking

Credential Type: Monthly, Prepaid

First Name	Last Name	Credential	Activity Date	Direction	Result	Allowed	Device Name	Facility Name
Robert	Goulet	2075	03/09/2022 09:45:33	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking
Robert	Goulet	2075	03/09/2022 09:45:39	Entry	Hard Anti-Pass-Back	False	PG Entry / Exit	Roseville Parking
Ron	Burgundy	34549	03/09/2022 09:48:13	Exit	Access Group Error	False	Aria CC - Exit	Roseville Parking
Ron	Burgundy	2007	03/09/2022 09:48:25	Exit	Access Group Error	False	Aria CC - Exit	Roseville Parking
Bruce	Wayne	2099	03/09/2022 09:48:29	Exit	Valid Access	True	Aria CC - Exit	Roseville Parking
Ron	Burgundy	2077	03/09/2022 09:50:57	Entry	Access Group Error	False	PG Entry / Exit	Roseville Parking
Walter	Payton	2077	03/09/2022 09:52:39	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking
Tommy	Kramer	2079	03/09/2022 09:53:23	Entry	Locked Out	False	PG Entry / Exit	Roseville Parking
Pat	Gibeau	2074	03/09/2022 09:54:09	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking
Robert	Goulet	2075	03/09/2022 09:54:18	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking
Walter	Payton	2077	03/09/2022 09:54:22	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking

Access Holder Detail Report

Report Scope:

This report details account and biographical information for access holders in the system. The report is organized by account. Each account is displayed in a separate section.

Report o~Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, facility, number of accounts in the report, and page number. The report parameters/filters will be shown on the top left as well.

Each account section of the report has the following fields: Account #, Company, First Name, Last Name, Address, Email, Mode, Status, Credential(s), Credential Type(s), Access Group(s), and Vehicle Make, Model, License Plate, and Year for the vehicles(s) listed in each account.

Report Filtering:

The user can filter the data by inputting or selecting parameters for certain account fields.

Some fields can be filtered by inputting parameter criterion manually. The fields that filter this way are Last Name, First Name, and Email. When the user populates any of these filters, the system will display only the account records that have any of the criteria entered.

Many fields have drop-down choice style filters in which a user can select one, some, or all parameters. The Company, Mode, Status, Credential Type and Access Group fields are searchable and selectable in this way. Account records associated with any of the parameters selected in these filters will be displayed on the report.

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Access Holder Detail Report (Cont'd)

Report Sample:



Access Holder Detail Report

Page 1 of 1

Created on 03/09/2022 14:18

Total number of records: 3

Facility Name: **Roseville Parking**

Company: **Coffee Cafe**

Account: **08f79a6c-ceb1-4b1e-ba4f-db0caf047751**

Company: Coffee Cafe

First Name: Parker **Email:**

Last Name: #3 **Mode:** Normal **Status:** Neutral

Credential: 123987456 **Type:** Prox

Account: **979de095-7f33-4cca-a5f9-901f18927ede**

Company: Coffee Cafe

First Name: Parker **Email:**

Last Name: #2 **Mode:** Normal **Status:** Neutral

Credential: 987123000 **Type:** Prox

Access Group 1: 24-7 all access

Access Holder Status Report

Report Scope:

This report displays status information for specified access holders in the system. This report can be used to find the status, mode, credential and other data points for an individual, group, or all access holders. A system user can run this report to show all active access holders at any time.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, facility, whether report data contains active and/or deleted records. There are counts for total access holders and total credential count contained in the report and each page is numbered. There is also a breakdown in the upper right corner that shows counts for in/out status and mode(s).

This body of the report lists the access holder information based on the chosen filtering parameters and report date and time. The report displays the following data with headers: First Name, Last Name, Status, Mode, Company, Credential, Active/Deleted, Last Use, and Device.

Report f~Filtering:

The system user can filter by last name, first name, and/or company. The user can manually enter a First Name, Last Name, and/or Company, and the report will display access holder information for records that have all or some of these criteria.

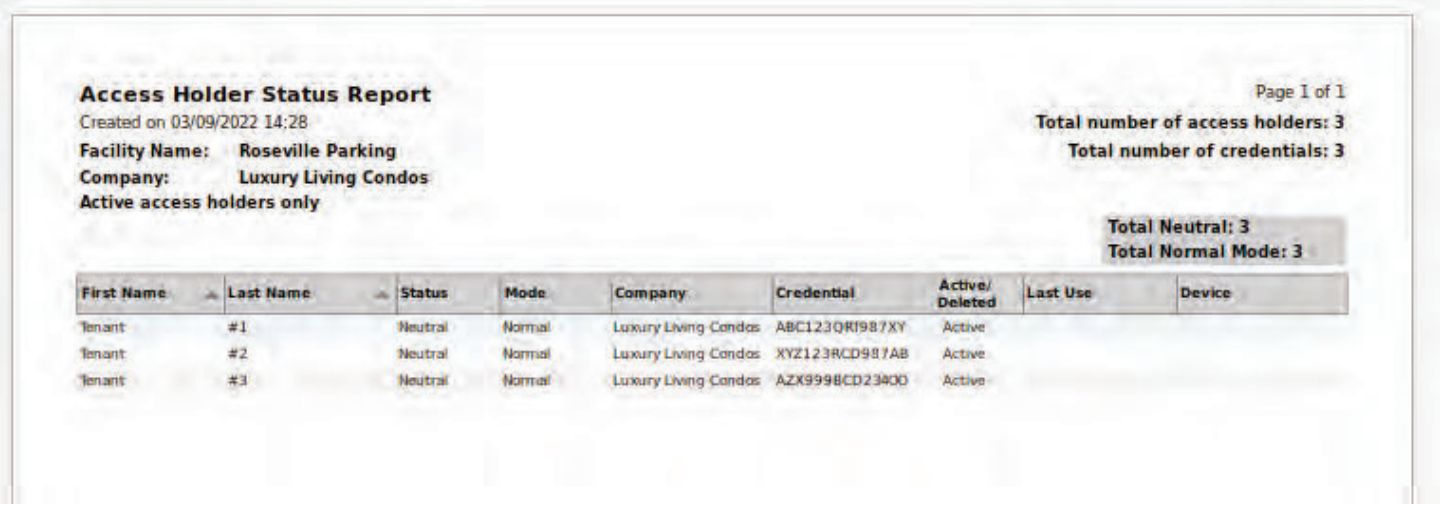
An 'Expiring Within' filter has been added so that users can generate a report for access holders whose access is due to expire within 7 or 30 days or who have an expiration or end date that is in the future or past. The filter options are 7 Days, 30 Days, Future Dates Only, or Past Dates Only.

There are configurable options to show or hide credentials and display active only and/or deleted records.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Access Holder Status Report

Created on 03/09/2022 14:28

Facility Name: Roseville Parking
Company: Luxury Living Condos
Active access holders only

Page 1 of 1
Total number of access holders: 3
Total number of credentials: 3

Total Neutral: 3
Total Normal Mode: 3

First Name	Last Name	Status	Mode	Company	Credential	Active/ Deleted	Last Use	Device
Tenant	#1	Neutral	Normal	Luxury Living Condos	ABC123QRI987XY	Active		
Tenant	#2	Neutral	Normal	Luxury Living Condos	XYZ123RCD987AB	Active		
Tenant	#3	Neutral	Normal	Luxury Living Condos	AZX999BCD2340O	Active		

Hotel Access Holder Report

Report Scope:

This is a point in time report that lists all hotel credentials that are checked in at the selected time. The goal of this report is to give an accurate list of hotel parkers at any given time. For a credential to appear on the report, the check-in time must be before the report time and the check-out time must be after. Each line item lists the credential, the room number, the check-in date, and the check-out date. The total number of active hotel access holders is displayed on the first page.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, point in time for the data, number of active hotel access holders, and facility name.

This report displays the following data with headers: Credential, Room, Check-In Date, and Check-Out Date.

Report Filtering:

The authorized user once accessing this report has the ability to refine and process the data by selecting the check-in date referred to as the “Point-in-Time” field and enter the date, the specific room number, and the hotel property. This filtering tool will then generate the report identifying the hotel guest credential number, room number, and both the check-in and anticipated check-out date.

Report Sorting:

The interactive report engine provides the ability to arrange the report data “live” on the report screen delivering maximum flexibility in viewing the hotel guest data in the sequence desired by management. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Hotel Self-Park Guest Report Page 1 of 1

Created on 11/07/2022 16:17 **Point in Time: 09/22/22 00:00** **Active Hotel Access Holders: 42**

Facility Name: **Roseville Parking**

Credential	Room	Check-In Date	Check-Out Date
1103380595004003	1816	9/19/2022 00:00	9/24/2022 00:00
1103380595005646	812	9/19/2022 00:00	9/24/2022 00:00
1103380595010786	709	9/20/2022 00:00	9/30/2022 00:00
1103380595011248	2316	9/20/2022 00:00	9/30/2022 00:00
1103380595014531	3337	9/20/2022 00:00	9/25/2022 00:00
1103380595015736	2204	9/20/2022 00:00	9/24/2022 00:00
1103380595019746	2410	9/21/2022 00:00	9/26/2022 00:00
1103380595020322	2426	9/21/2022 00:00	10/1/2022 00:00
1103380595020678	2046	9/21/2022 00:00	9/26/2022 00:00
1103380595020744	1415	9/21/2022 00:00	9/28/2022 00:00
1103380595021866	1126	9/21/2022 00:00	9/25/2022 00:00
1103380595023599	2145	9/22/2022 00:00	10/8/2022 00:00
1103380595023813	955	9/22/2022 00:00	10/4/2022 00:00
1103380595023920	3013	9/22/2022 00:00	9/25/2022 00:00

Prepaid Pass Report

Report Scope:

This is an activity report of all prepaid passes used during a specific time. Standard fields in the report are vendor name and pass-thru (if available), credential, activation and expiration dates, entry and exit information, and the parking duration if both the entry and exit times are in the report. There is an option to show the parker's name and prepaid amount on each transaction. Note that not all third-party passes supply the purchase price so this may show zero. If overage fees were charged at exit, this will also be displayed next to a transaction and the total overages will appear at the top of the report.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, date range for report, total number of records, total amount of overage fees, and facility name.

This report displays the following data with headers: Vendor Name (Pass-Thru), Credential, Activation Date, Expiration Date, Entry Lane, Entry Date, Exit Lane, Exit Date, Duration (hr:min).

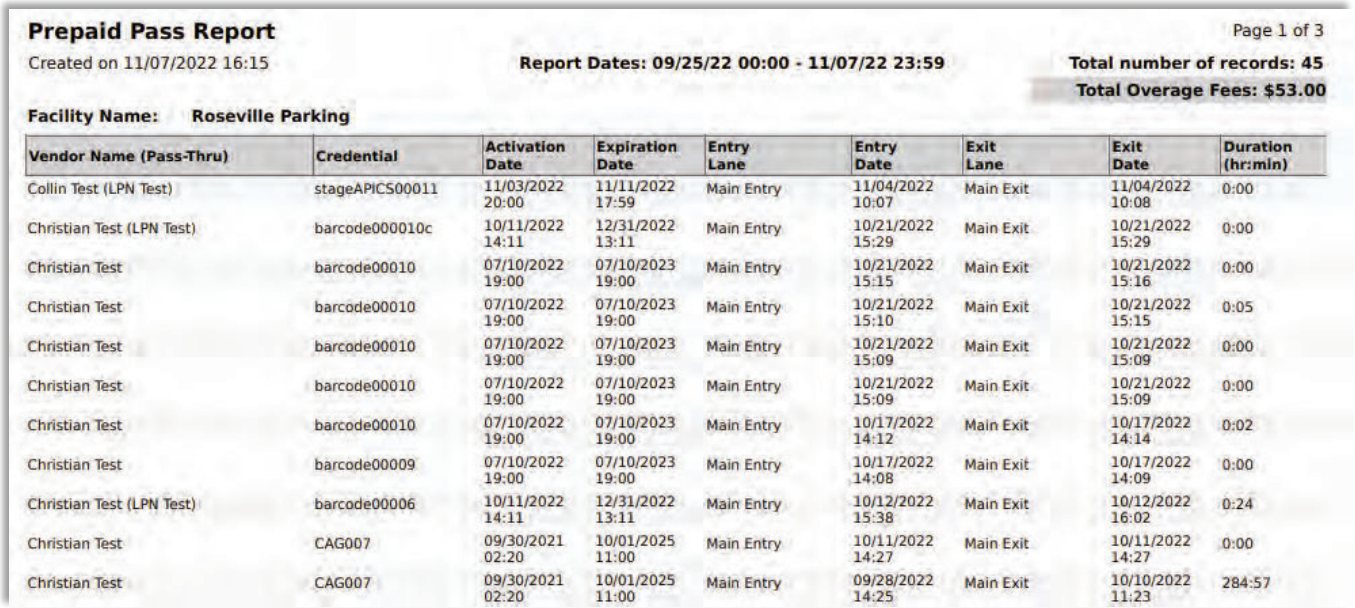
Report Filtering:

The report identifying prepaid 3rd party passes can be sequenced using a range of activity dates, 3rd party vendor name, optional names if used to further identify the vendor specifics, and the current pass credential status. The status can be selected by Valid Access, Credential Not Found, Access Group Error, Locked Out, Exclusive Credential, or the user can select all.

Report Sorting

The interactive report engine also provides the ability to arrange the report data "live" on the report screen delivering maximum flexibility in viewing the status of 3rd party prepaid passes in the sequence desired by management. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Prepaid Pass Report

Page 1 of 3

Created on 11/07/2022 16:15

Report Dates: 09/25/22 00:00 - 11/07/22 23:59

Total number of records: 45

Total Overage Fees: $53.00

Facility Name: Roseville Parking

Vendor Name (Pass-Thru)	Credential	Activation Date	Expiration Date	Entry Lane	Entry Date	Exit Lane	Exit Date	Duration (hr:min)
Collin Test (LPN Test)	stageAPICS00011	11/03/2022 20:00	11/11/2022 17:59	Main Entry	11/04/2022 10:07	Main Exit	11/04/2022 10:08	0:00
Christian Test (LPN Test)	barcode000010c	10/11/2022 14:11	12/31/2022 13:11	Main Entry	10/21/2022 15:29	Main Exit	10/21/2022 15:29	0:00
Christian Test	barcode00010	07/10/2022 19:00	07/10/2023 19:00	Main Entry	10/21/2022 15:15	Main Exit	10/21/2022 15:16	0:00
Christian Test	barcode00010	07/10/2022 19:00	07/10/2023 19:00	Main Entry	10/21/2022 15:10	Main Exit	10/21/2022 15:15	0:05
Christian Test	barcode00010	07/10/2022 19:00	07/10/2023 19:00	Main Entry	10/21/2022 15:09	Main Exit	10/21/2022 15:09	0:00
Christian Test	barcode00010	07/10/2022 19:00	07/10/2023 19:00	Main Entry	10/21/2022 15:09	Main Exit	10/21/2022 15:09	0:00
Christian Test	barcode00010	07/10/2022 19:00	07/10/2023 19:00	Main Entry	10/17/2022 14:12	Main Exit	10/17/2022 14:14	0:02
Christian Test	barcode00009	07/10/2022 19:00	07/10/2023 19:00	Main Entry	10/17/2022 14:08	Main Exit	10/17/2022 14:09	0:00
Christian Test (LPN Test)	barcode00006	10/11/2022 14:11	12/31/2022 13:11	Main Entry	10/12/2022 15:38	Main Exit	10/12/2022 16:02	0:24
Christian Test	CAG007	09/30/2021 02:20	10/01/2025 11:00	Main Entry	10/11/2022 14:27	Main Exit	10/11/2022 14:27	0:00
Christian Test	CAG007	09/30/2021 02:20	10/01/2025 11:00	Main Entry	09/28/2022 14:25	Main Exit	10/10/2022 11:23	284:57

Prepaid Pass Status Report

Report Scope:

This report shows detailed information about passes that were either activated, created, expired or used during a selected time period. Unlike the Prepaid Pass report, this report is not based on the pass' parking activity.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, activation date range for report, total number of records, total amount prepaid, and facility name.

This report displays the following data with headers: Vendor Name (Pass-Thru), Credential, Creation Date, Activation Date, Expiration Date, IO Status, Uses Remaining, and Last Use Date.

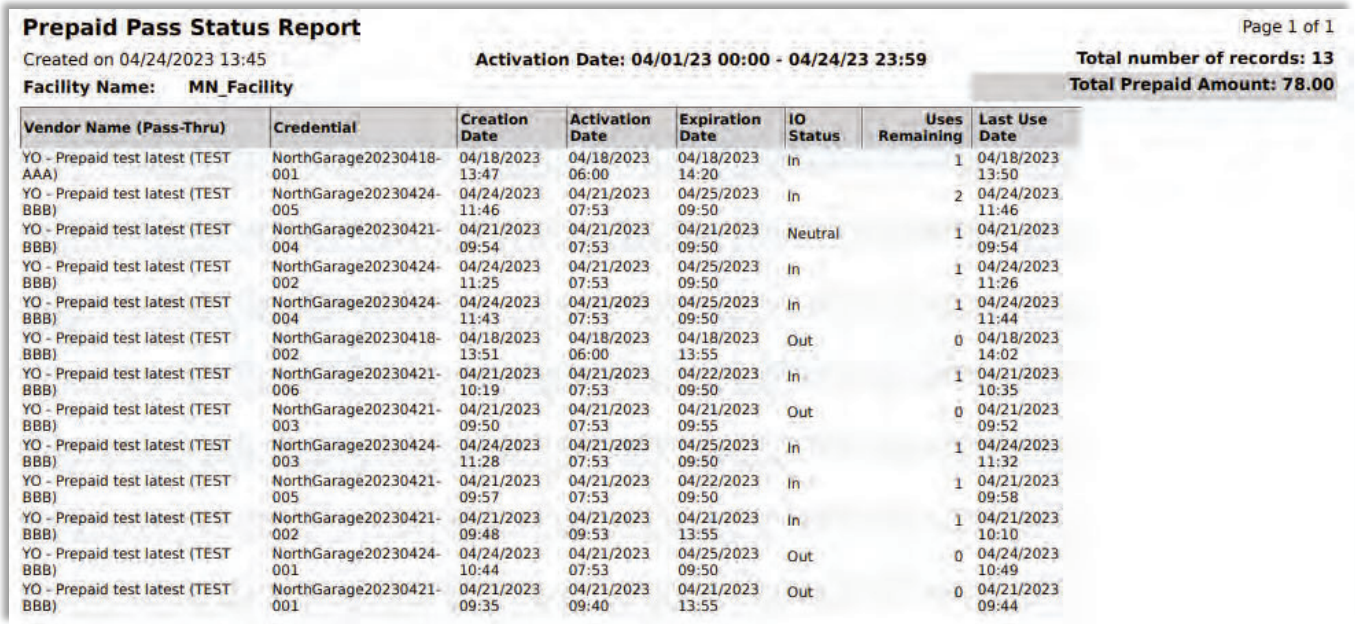
Report Filtering:

This report can be assembled using the built-in criteria fields that will provide management the ability to see prepaid pass data that is pertinent to the property. These field include date status that include: Activation, Expiration, Creation, and the Last date used generated using a to/from date range, 3rd party pass vendor, specific credential, credential I/O status, the access group pass was assigned to, and any custom fields.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data “live” on the report screen delivering maximum flexibility in viewing the status of 3rd party prepaid passes in the sequence desired by management. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Prepaid Pass Status Report

Page 1 of 1

Created on 04/24/2023 13:45

Activation Date: 04/01/23 00:00 - 04/24/23 23:59

Total number of records: 13

Facility Name: MN_Facility

Total Prepaid Amount: 78.00

Vendor Name (Pass-Thru)	Credential	Creation Date	Activation Date	Expiration Date	IO Status	Uses Remaining	Last Use Date
YO - Prepaid test latest (TEST AAA)	NorthGarage20230418-001	04/18/2023 13:47	04/18/2023 06:00	04/18/2023 14:20	In	1	04/18/2023 13:50
YO - Prepaid test latest (TEST BBB)	NorthGarage20230424-005	04/24/2023 11:46	04/21/2023 07:53	04/25/2023 09:50	In	2	04/24/2023 11:46
YO - Prepaid test latest (TEST BBB)	NorthGarage20230421-004	04/21/2023 09:54	04/21/2023 07:53	04/21/2023 09:50	Neutral	1	04/21/2023 09:54
YO - Prepaid test latest (TEST BBB)	NorthGarage20230424-002	04/24/2023 11:25	04/21/2023 07:53	04/25/2023 09:50	In	1	04/24/2023 11:26
YO - Prepaid test latest (TEST BBB)	NorthGarage20230424-004	04/24/2023 11:43	04/21/2023 07:53	04/25/2023 09:50	In	1	04/24/2023 11:44
YO - Prepaid test latest (TEST BBB)	NorthGarage20230418-002	04/18/2023 13:51	04/18/2023 06:00	04/18/2023 13:55	Out	0	04/18/2023 14:02
YO - Prepaid test latest (TEST BBB)	NorthGarage20230421-006	04/21/2023 10:19	04/21/2023 07:53	04/22/2023 09:50	In	1	04/21/2023 10:35
YO - Prepaid test latest (TEST BBB)	NorthGarage20230421-003	04/21/2023 09:50	04/21/2023 07:53	04/21/2023 09:55	Out	0	04/21/2023 09:52
YO - Prepaid test latest (TEST BBB)	NorthGarage20230424-003	04/24/2023 11:28	04/21/2023 07:53	04/25/2023 09:50	In	1	04/24/2023 11:32
YO - Prepaid test latest (TEST BBB)	NorthGarage20230421-005	04/21/2023 09:57	04/21/2023 07:53	04/22/2023 09:50	In	1	04/21/2023 09:58
YO - Prepaid test latest (TEST BBB)	NorthGarage20230421-002	04/21/2023 09:48	04/21/2023 09:53	04/21/2023 13:55	In	1	04/21/2023 10:10
YO - Prepaid test latest (TEST BBB)	NorthGarage20230424-001	04/24/2023 10:44	04/21/2023 07:53	04/25/2023 09:50	Out	0	04/24/2023 10:49
YO - Prepaid test latest (TEST BBB)	NorthGarage20230421-001	04/21/2023 09:35	04/21/2023 09:40	04/21/2023 13:55	Out	0	04/21/2023 09:44

Shared Account Activity Report

Report scope:

This report shows all parking activity, fees, and threshold values for credentials in a shared account access group during a specific time range. This report can be used to audit the activity in the pre-defined thresholds and to monitor fees being charged.

Report Organization:

The following items are displayed on the top of the report: The report name, date, and time the report was generated, date range for report, total number of records, and facility name.

This report displays the following data with headers: First Name, Last Name, Credential, Access Group, Activity Date, Status, Result, Fee, Threshold, and Device Name.

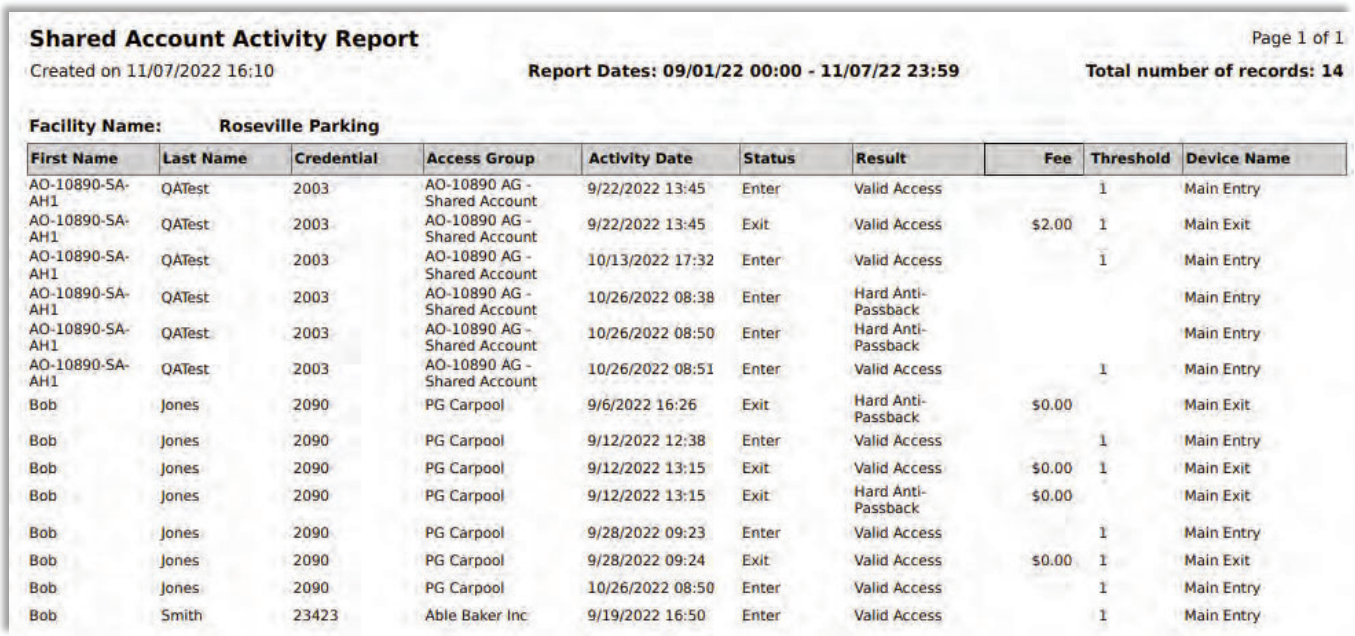
Report Filtering:

Shared Account Activity can be arranged by using a to/from date range and selecting the specific access group or all access groups to identify current credential performance.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data “live” on the report screen delivering maximum flexibility in viewing the credential actions assigned to shared access groups accounts. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Shared Account Activity Report

Page 1 of 1

Created on 11/07/2022 16:10 **Report Dates: 09/01/22 00:00 - 11/07/22 23:59** **Total number of records: 14**

Facility Name: **Roseville Parking**

First Name	Last Name	Credential	Access Group	Activity Date	Status	Result	Fee	Threshold	Device Name
AO-10890-SA-AH1	QATest	2003	AO-10890 AG - Shared Account	9/22/2022 13:45	Enter	Valid Access		1	Main Entry
AO-10890-SA-AH1	QATest	2003	AO-10890 AG - Shared Account	9/22/2022 13:45	Exit	Valid Access	$2.00	1	Main Exit
AO-10890-SA-AH1	QATest	2003	AO-10890 AG - Shared Account	10/13/2022 17:32	Enter	Valid Access		1	Main Entry
AO-10890-SA-AH1	QATest	2003	AO-10890 AG - Shared Account	10/26/2022 08:38	Enter	Hard Anti-Passback			Main Entry
AO-10890-SA-AH1	QATest	2003	AO-10890 AG - Shared Account	10/26/2022 08:50	Enter	Hard Anti-Passback			Main Entry
AO-10890-SA-AH1	QATest	2003	AO-10890 AG - Shared Account	10/26/2022 08:51	Enter	Valid Access		1	Main Entry
Bob	Jones	2090	PG Carpool	9/6/2022 16:26	Exit	Hard Anti-Passback	$0.00		Main Exit
Bob	Jones	2090	PG Carpool	9/12/2022 12:38	Enter	Valid Access		1	Main Entry
Bob	Jones	2090	PG Carpool	9/12/2022 13:15	Exit	Valid Access	$0.00	1	Main Exit
Bob	Jones	2090	PG Carpool	9/12/2022 13:15	Exit	Hard Anti-Passback	$0.00		Main Exit
Bob	Jones	2090	PG Carpool	9/28/2022 09:23	Enter	Valid Access		1	Main Entry
Bob	Jones	2090	PG Carpool	9/28/2022 09:24	Exit	Valid Access	$0.00	1	Main Exit
Bob	Jones	2090	PG Carpool	10/26/2022 08:50	Enter	Valid Access		1	Main Entry
Bob	Smith	23423	Able Baker Inc	9/19/2022 16:50	Enter	Valid Access		1	Main Entry

Valet Activity Report

Report Scope:

This report lists all activity for valet parking during a specified time period. The parking activity information along with the valet driver's name, credential and the valet ticket number are listed for each transaction. The report can be used to look up activity for a single valet ticket or all activity for a specific valet's credential.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, date range for report, total number of records, and facility name.

This report displays the following data with headers: First Name, Last Name, Valet Ticket, Activity Date, Direction, Result, and Device Name.

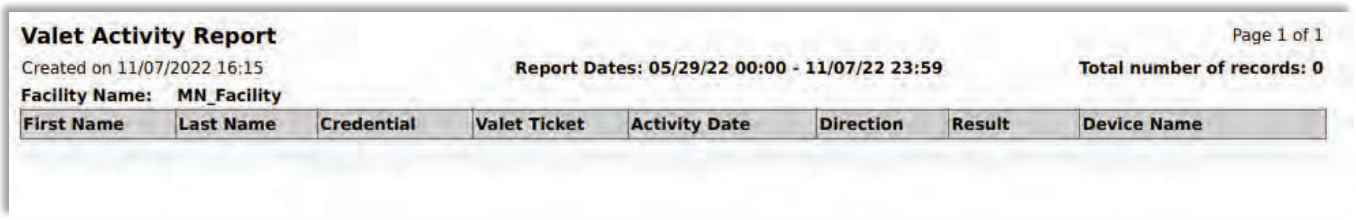
Report Filtering:

Valet operations and activities can be filtered and display by a range of to/from dates, specific valet access credential, and the customer's valet ticket.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data "live" on the report screen delivering maximum flexibility in viewing the credential actions assigned to active valets. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Valet Activity Report

Page 1 of 1

Created on 11/07/2022 16:15 **Report Dates: 05/29/22 00:00 - 11/07/22 23:59** **Total number of records: 0**

Facility Name: MN_Facility

First Name	Last Name	Credential	Valet Ticket	Activity Date	Direction	Result	Device Name

Occupancy Reports

Count Activity Differentials Report

Report Scope:

This report displays count activity information for a facility for specified date range. The counts are represented by the standard categories of transient (ticket), contract (credential), facility (loop) differentials, which represent the difference between the starting and ending counts for each category for the specified time frame.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, facility, whether the report is based on 'occupied' or 'available' spaces.

Report Filtering:

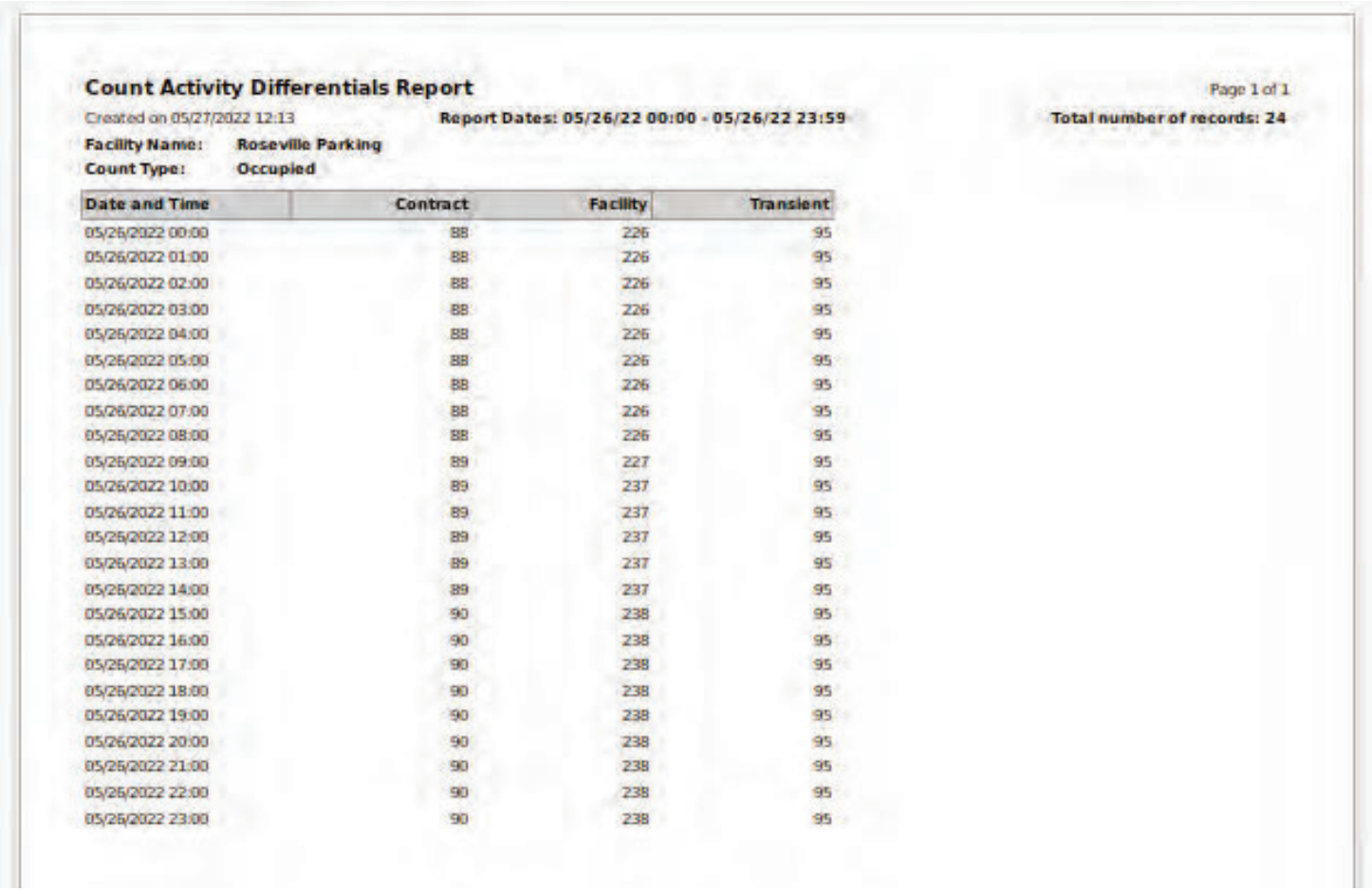
The report can be filtered by 'occupied' or 'available' spaces. The report will display the differentials based on the chosen option.

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Count Activity Differentials Report (Cont'd)

Report Sample:



Count Activity Differentials Report

Page 1 of 1

Created on 05/27/2022 12:13 **Report Dates: 05/26/22 00:00 - 05/26/22 23:59** **Total number of records: 24**

Facility Name: Roseville Parking
Count Type: Occupied

Date and Time	Contract	Facility	Transient
05/26/2022 00:00	88	226	95
05/26/2022 01:00	88	226	95
05/26/2022 02:00	88	226	95
05/26/2022 03:00	88	226	95
05/26/2022 04:00	88	226	95
05/26/2022 05:00	88	226	95
05/26/2022 06:00	88	226	95
05/26/2022 07:00	88	226	95
05/26/2022 08:00	88	226	95
05/26/2022 09:00	89	227	95
05/26/2022 10:00	89	237	95
05/26/2022 11:00	89	237	95
05/26/2022 12:00	89	237	95
05/26/2022 13:00	89	237	95
05/26/2022 14:00	89	237	95
05/26/2022 15:00	90	238	95
05/26/2022 16:00	90	238	95
05/26/2022 17:00	90	238	95
05/26/2022 18:00	90	238	95
05/26/2022 19:00	90	238	95
05/26/2022 20:00	90	238	95
05/26/2022 21:00	90	238	95
05/26/2022 22:00	90	238	95
05/26/2022 23:00	90	238	95

Count Activity Non-Resets Report

Report Scope:

This report displays non-reset count activity information for each lane/device in a facility for specified date range. The counts are represented by the standard non-reset count categories of tickets issued, contract vends, gate cycles, arming loop activations, and closing loop activations.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, facility, device name, and total number of report records. Each page is numbered.

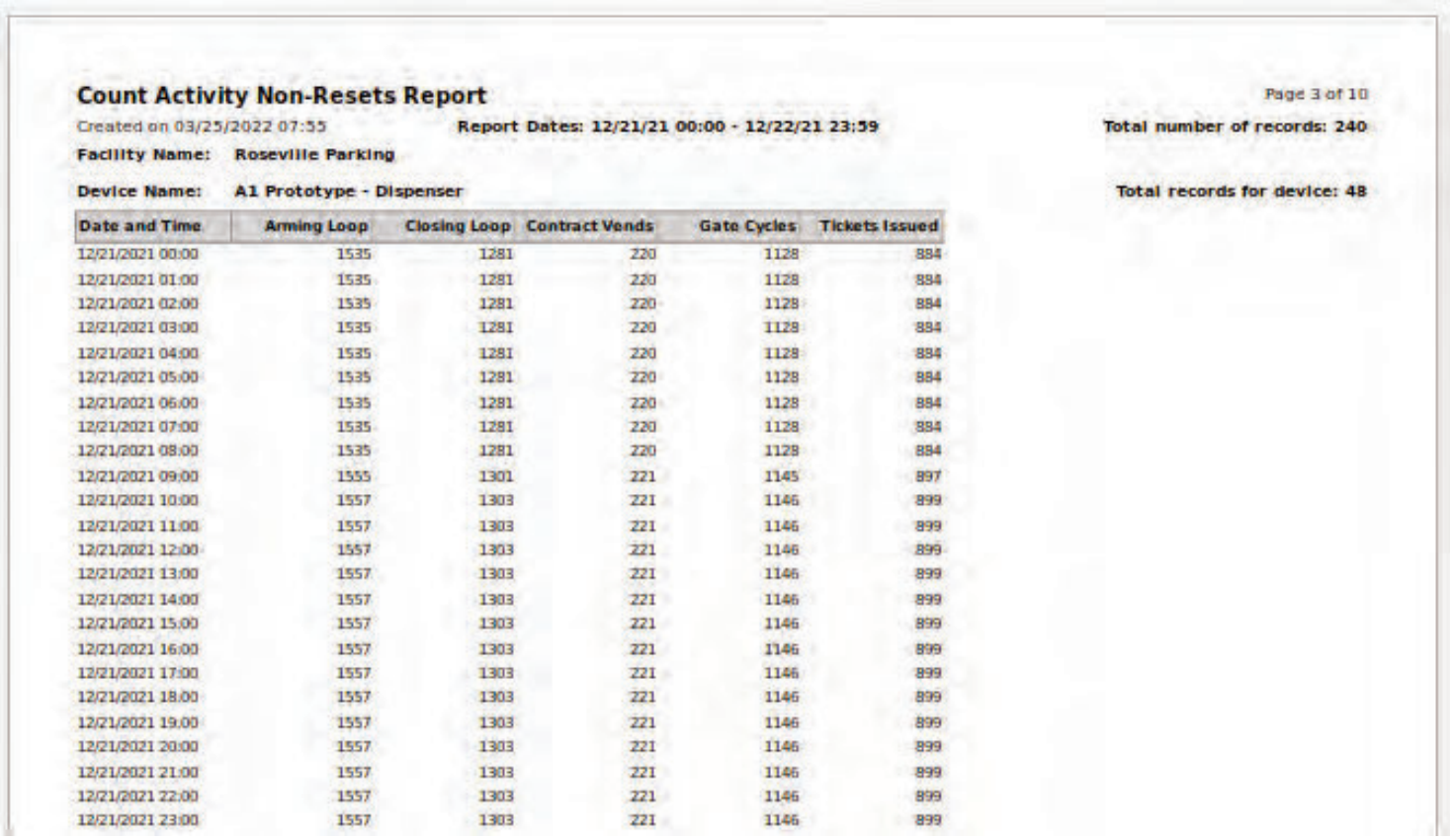
The report displays non-reset counts per category per hour of each day.

Report Filtering:

The user can filter the report by non-reset count category: Arming Loop, Closing Loop, Contract Vends, Gate Cycles, and/or Tickets Issued. The user may choose one, some, or all from the drop-down selection list.

Report Sorting:
Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Count Activity Non-Resets Report

Page 3 of 10

Created on 03/25/2022 07:55 — Report Dates: 12/21/21 00:00 - 12/22/21 23:59 — Total number of records: 240

Facility Name: Roseville Parking

Device Name: A1 Prototype - Dispenser — Total records for device: 48

Date and Time	Arming Loop	Closing Loop	Contract Vends	Gate Cycles	Tickets Issued
12/21/2021 00:00	1535	1281	220	1128	884
12/21/2021 01:00	1535	1281	220	1128	884
12/21/2021 02:00	1535	1281	220	1128	884
12/21/2021 03:00	1535	1281	220	1128	884
12/21/2021 04:00	1535	1281	220	1128	884
12/21/2021 05:00	1535	1281	220	1128	884
12/21/2021 06:00	1535	1281	220	1128	884
12/21/2021 07:00	1535	1281	220	1128	884
12/21/2021 08:00	1535	1281	220	1128	884
12/21/2021 09:00	1555	1301	221	1145	897
12/21/2021 10:00	1557	1303	221	1146	899
12/21/2021 11:00	1557	1303	221	1146	899
12/21/2021 12:00	1557	1303	221	1146	899
12/21/2021 13:00	1557	1303	221	1146	899
12/21/2021 14:00	1557	1303	221	1146	899
12/21/2021 15:00	1557	1303	221	1146	899
12/21/2021 16:00	1557	1303	221	1146	899
12/21/2021 17:00	1557	1303	221	1146	899
12/21/2021 18:00	1557	1303	221	1146	899
12/21/2021 19:00	1557	1303	221	1146	899
12/21/2021 20:00	1557	1303	221	1146	899
12/21/2021 21:00	1557	1303	221	1146	899
12/21/2021 22:00	1557	1303	221	1146	899
12/21/2021 23:00	1557	1303	221	1146	899

Count Statistics Report

Report Scope:

This report shows the count breakdown for contract, transient, prepaids, pay on entry, and mobile cashier vends as well as IO counts per device. An optional grid of hourly totals is displayed with the counts by hour. The report shows values for one device per page, ending in a summary section on the last page. The summary section will break out the total for all devices split by entry and exit.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, date range for report, facility name, and device names.

This report displays the following data with headers: Vends, Count, IO Count, Count, Date and Time, Contract, Transient, Prepaids, Pay On Entry, Mobile Cashier, Total Vends, Gate Status, and Closing Loop.

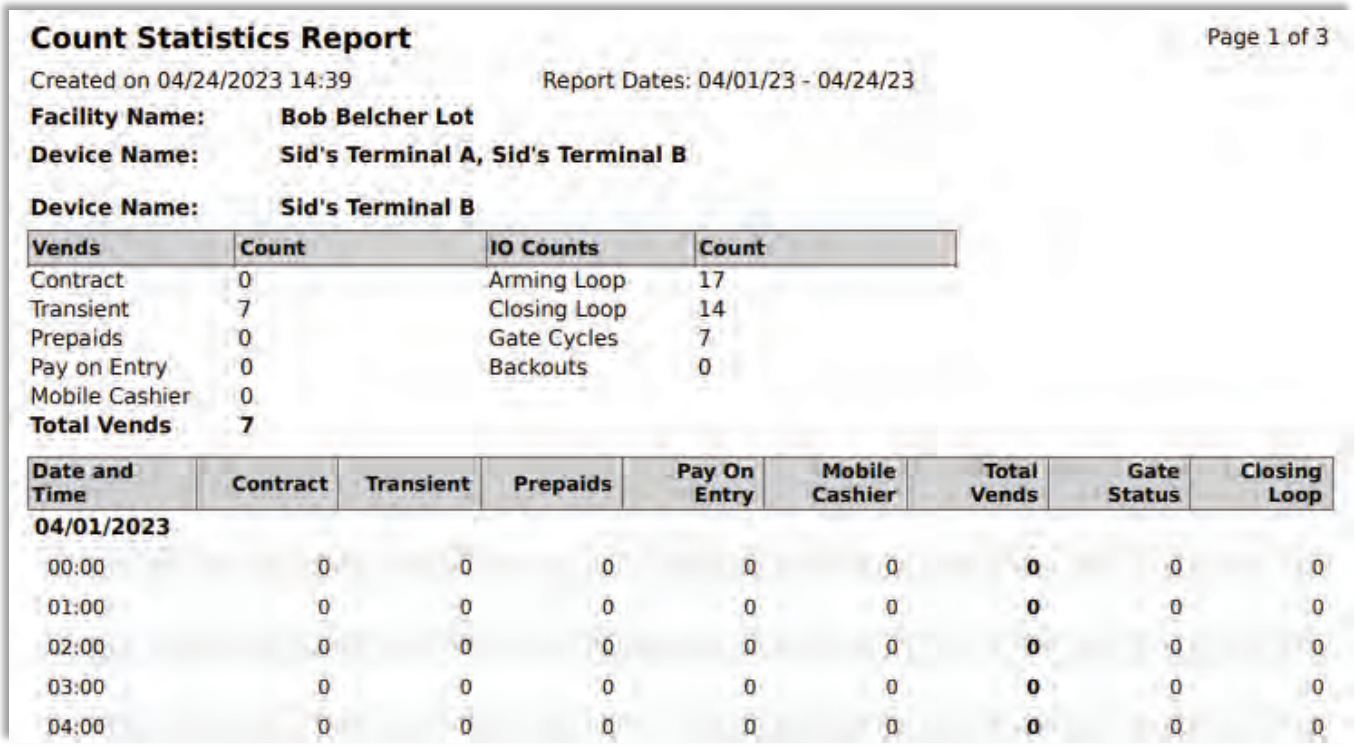
Report Filtering:

Count statistics can be presented by selecting specific devices within the system regardless of either entry or exit location and a to/from range of dates and whether this data is displayed hourly.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data count statistics “live” on the report screen delivering maximum flexibility in viewing the occupancy details by the type of parking activity. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Count Statistics Report Page 1 of 3

Created on 04/24/2023 14:39 Report Dates: 04/01/23 - 04/24/23

Facility Name: **Bob Belcher Lot**

Device Name: **Sid's Terminal A, Sid's Terminal B**

Device Name: **Sid's Terminal B**

Vends	Count	IO Counts	Count
Contract	0	Arming Loop	17
Transient	7	Closing Loop	14
Prepaids	0	Gate Cycles	7
Pay on Entry	0	Backouts	0
Mobile Cashier	0		
Total Vends	**7**		

Date and Time	Contract	Transient	Prepaids	Pay On Entry	Mobile Cashier	Total Vends	Gate Status	Closing Loop
04/01/2023								
00:00	0	0	0	0	0	**0**	0	0
01:00	0	0	0	0	0	**0**	0	0
02:00	0	0	0	0	0	**0**	0	0
03:00	0	0	0	0	0	**0**	0	0
04:00	0	0	0	0	0	**0**	0	0

Revenue & Validations Reports

Cashier Shift Report

Report Scope:

This report lists each cashier shift during a specified period of time for roaming cashiers and attended devices. The report time period must be 7 days or less, otherwise the end date is automatically changed. Each shift shows the attendant's login email, their device, the shift start and end times, and the total counts and dollar amounts.

This report can be used to reconcile the attendants' collected cash and determine how busy the shift was.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, date range for report, and facility name.

This report displays the following data with headers: Attendant, Device, CC Terminal ID, Shift Start, Shift End, Transaction Count, Gate Vend Count, Closing Loop Count, Discount Count, Starting Cash, Ending Cash, Credit, and Total.

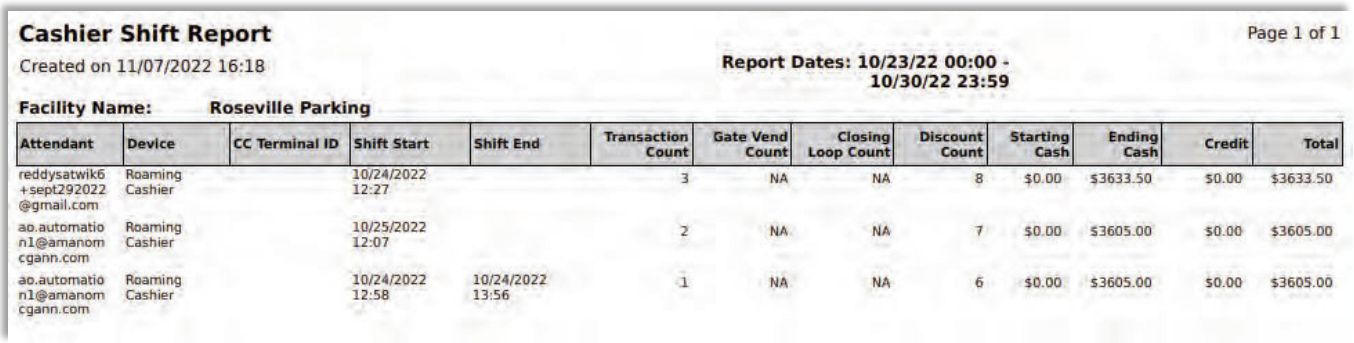
Report Filtering:

The report can be arranged and displayed identifying the to/from date, device location within the facility, and specific attendant.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data "live" on the report screen delivering and viewing the cashier performance assigned to revenue terminals. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Cashier Shift Report

Page 1 of 1

Created on 11/07/2022 16:18

Report Dates: 10/23/22 00:00 - 10/30/22 23:59

Facility Name: **Roseville Parking**

Attendant	Device	CC Terminal ID	Shift Start	Shift End	Transaction Count	Gate Vend Count	Closing Loop Count	Discount Count	Starting Cash	Ending Cash	Credit	Total
reddysatwik6+sept292022@gmail.com	Roaming Cashier		10/24/2022 12:27		3	NA	NA	8	$0.00	$3633.50	$0.00	$3633.50
ao.automation1@amanomcgann.com	Roaming Cashier		10/25/2022 12:07		2	NA	NA	7	$0.00	$3605.00	$0.00	$3605.00
ao.automation1@amanomcgann.com	Roaming Cashier		10/24/2022 12:58	10/24/2022 13:56	1	NA	NA	6	$0.00	$3605.00	$0.00	$3605.00

Flexible Parking Account Statement Report

Report Scope:

This report shows all parking activity, payments, and charges for an account with credentials in a flexible parking account access group. The statement has a separate section for each account and displays the total payments, charges, fees, and parking duration for all credentials in the account.

This statement can be used to audit the activity of a flexible parking account.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, entry and exit dates for report, total number of records, facility name, account number, and account name.

This report displays the following data with headers: Access Holder Name, Entry Credential, Entry Date, Entry Device, Exit Credential, Exit Date, Exit Device, Fee, Duration (hr:min), and Account Payment and Charges.

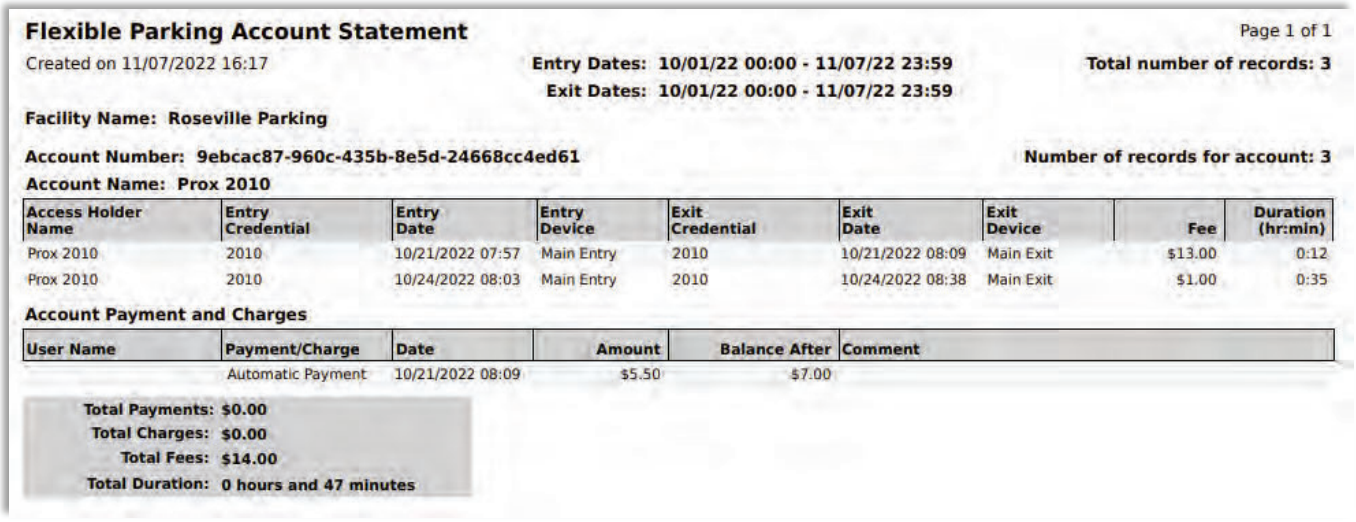
Report Filtering:

The report parameters allow users to select a date range for the entry activity date as well as the exit date which applies to exit activity and the payment/charges dates. The report can also be filtered by a single account number.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data “live” on the report screen to identify financial activities by account and/or account holder. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Flexible Parking Account Statement

Page 1 of 1

Created on 11/07/2022 16:17

Entry Dates: 10/01/22 00:00 - 11/07/22 23:59

Exit Dates: 10/01/22 00:00 - 11/07/22 23:59

Total number of records: 3

Facility Name: Roseville Parking

Account Number: 9ebcac87-960c-435b-8e5d-24668cc4ed61

Number of records for account: 3

Account Name: Prox 2010

Access Holder Name	Entry Credential	Entry Date	Entry Device	Exit Credential	Exit Date	Exit Device	Fee	Duration (hr:min)
Prox 2010	2010	10/21/2022 07:57	Main Entry	2010	10/21/2022 08:09	Main Exit	$13.00	0:12
Prox 2010	2010	10/24/2022 08:03	Main Entry	2010	10/24/2022 08:38	Main Exit	$1.00	0:35

Account Payment and Charges

User Name	Payment/Charge	Date	Amount	Balance After	Comment
	Automatic Payment	10/21/2022 08:09	$5.50	$7.00	

Total Payments: $0.00
Total Charges: $0.00
Total Fees: $14.00
Total Duration: 0 hours and 47 minutes

Grace and Lag Transaction Report

Report Scope:

This report allows a user to view only grace and/or lag transactions. A grace ticket has incurred no charge and the parking duration is within the pre-defined grace period. A lag ticket has a fee which the patron has paid at another device. The lag reader validates that the ticket is paid and allows the patron to exit, or it may require additional payment to exit. The report shows the transaction's entry/exit date, the device name, rate used, and the ticket information.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, date range for report, and facility name.

This report displays the following data with headers: Attendant, Device, CC Terminal ID, Shift Start, Shift End, Transaction Count, Gate Vend Count, Closing Loop Count, Discount Count, Starting Cash, Ending Cash, Credit, and Total.

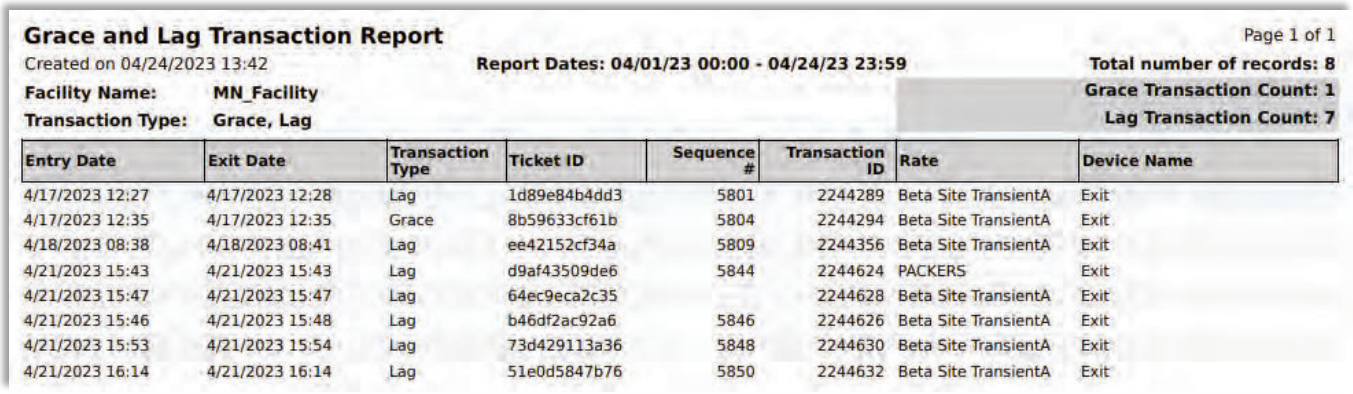
Report Filtering:

All fields can be filtered and sorted on.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data "live" on the report screen delivering maximum flexibility in viewing revenue transactions that are within the lag/grace time or have exceeded it with payment identified. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Grace and Lag Transaction Report

Page 1 of 1

Created on 04/24/2023 13:42 — **Report Dates: 04/01/23 00:00 - 04/24/23 23:59** — **Total number of records: 8**

Facility Name: MN_Facility — **Grace Transaction Count: 1**

Transaction Type: Grace, Lag — **Lag Transaction Count: 7**

Entry Date	Exit Date	Transaction Type	Ticket ID	Sequence #	Transaction ID	Rate	Device Name
4/17/2023 12:27	4/17/2023 12:28	Lag	1d89e84b4dd3	5801	2244289	Beta Site TransientA	Exit
4/17/2023 12:35	4/17/2023 12:35	Grace	8b59633cf61b	5804	2244294	Beta Site TransientA	Exit
4/18/2023 08:38	4/18/2023 08:41	Lag	ee42152cf34a	5809	2244356	Beta Site TransientA	Exit
4/21/2023 15:43	4/21/2023 15:43	Lag	d9af43509de6	5844	2244624	PACKERS	Exit
4/21/2023 15:47	4/21/2023 15:47	Lag	64ec9eca2c35		2244628	Beta Site TransientA	Exit
4/21/2023 15:46	4/21/2023 15:48	Lag	b46df2ac92a6	5846	2244626	Beta Site TransientA	Exit
4/21/2023 15:53	4/21/2023 15:54	Lag	73d429113a36	5848	2244630	Beta Site TransientA	Exit
4/21/2023 16:14	4/21/2023 16:14	Lag	51e0d5847b76	5850	2244632	Beta Site TransientA	Exit

Hotel Self-Park Charges Report

Report Scope:

This report calculates the total charges of all hotel credentials that have check-in or check-out dates during the specified report period. The daily rate is entered each time the report is run and is not linked to any actual charges. The total amount for each credential is calculated by multiplying the number of days between check-in and check-out by the daily rate. The number of active hotel access holders and the total charges for the report are displayed on page one.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, check in dates for the report, number of hotel access holders, total charges, and facility name.

This report displays the following data with headers: Attendant, Device, CC Terminal ID, Shift Start, Shift End, Transaction Count, Gate Vend Count, Closing Loop Count, Discount Count, Starting Cash, Ending Cash, Credit, and Total.

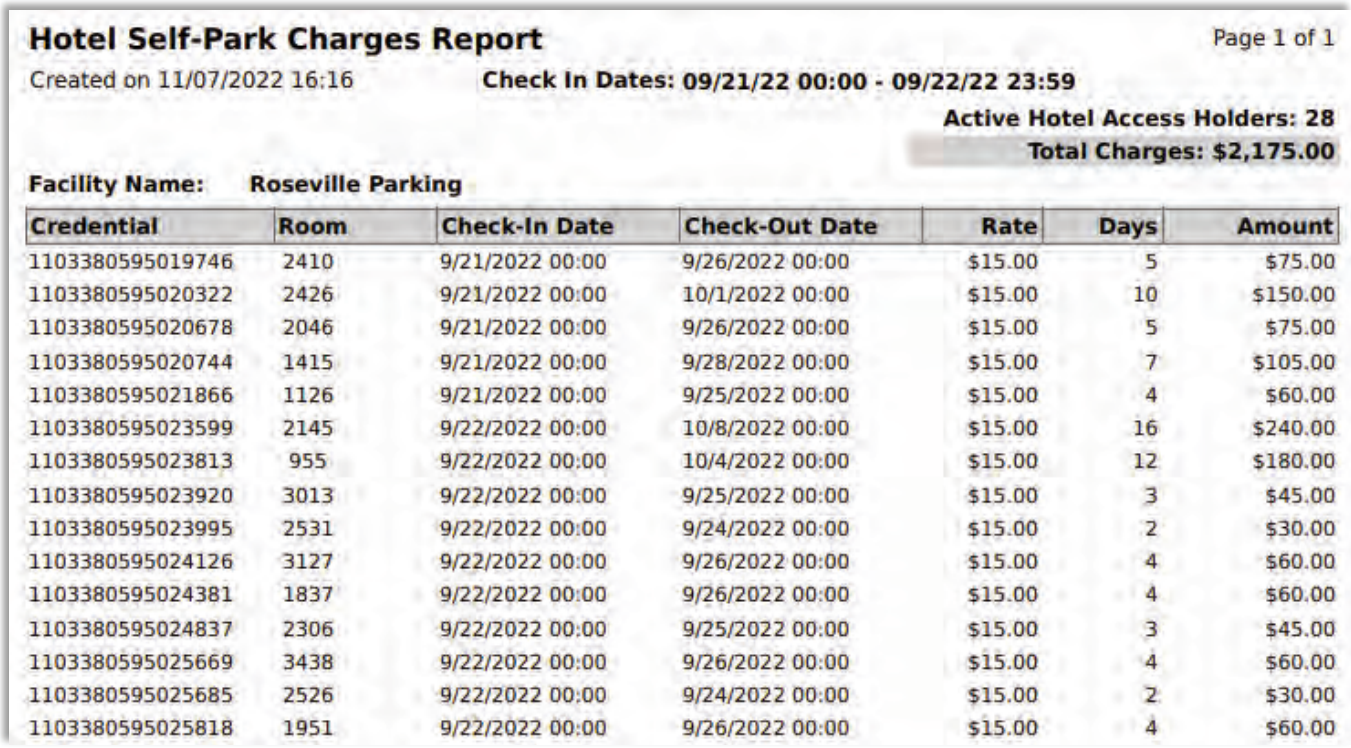
Report Filtering:

A user can filter the dates on either check-in or check-out dates. This report can also be filtered by hotel name and room number or by default will display all hotel credentials.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data “live” on the report screen to view hotel guest transactions by credential number, length of stay and charges accumulated. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Hotel Self-Park Charges Report Page 1 of 1

Created on 11/07/2022 16:16 **Check In Dates: 09/21/22 00:00 - 09/22/22 23:59**

Active Hotel Access Holders: 28

Total Charges: $2,175.00

Facility Name: **Roseville Parking**

Credential	Room	Check-In Date	Check-Out Date	Rate	Days	Amount
1103380595019746	2410	9/21/2022 00:00	9/26/2022 00:00	$15.00	5	$75.00
1103380595020322	2426	9/21/2022 00:00	10/1/2022 00:00	$15.00	10	$150.00
1103380595020678	2046	9/21/2022 00:00	9/26/2022 00:00	$15.00	5	$75.00
1103380595020744	1415	9/21/2022 00:00	9/28/2022 00:00	$15.00	7	$105.00
1103380595021866	1126	9/21/2022 00:00	9/25/2022 00:00	$15.00	4	$60.00
1103380595023599	2145	9/22/2022 00:00	10/8/2022 00:00	$15.00	16	$240.00
1103380595023813	955	9/22/2022 00:00	10/4/2022 00:00	$15.00	12	$180.00
1103380595023920	3013	9/22/2022 00:00	9/25/2022 00:00	$15.00	3	$45.00
1103380595023995	2531	9/22/2022 00:00	9/24/2022 00:00	$15.00	2	$30.00
1103380595024126	3127	9/22/2022 00:00	9/26/2022 00:00	$15.00	4	$60.00
1103380595024381	1837	9/22/2022 00:00	9/26/2022 00:00	$15.00	4	$60.00
1103380595024837	2306	9/22/2022 00:00	9/25/2022 00:00	$15.00	3	$45.00
1103380595025669	3438	9/22/2022 00:00	9/26/2022 00:00	$15.00	4	$60.00
1103380595025685	2526	9/22/2022 00:00	9/24/2022 00:00	$15.00	2	$30.00
1103380595025818	1951	9/22/2022 00:00	9/26/2022 00:00	$15.00	4	$60.00

Over Usage Report

Report Scope: This report provides facility operators the ability to document (and potentially bill back) charges for validations used by tenants or merchants for access. The Over Usage Report is designed to track historical parking stays for customers who were validated under a specific account offer (with a full or partial discount) and who have already paid/exited. The report allows the user to define a concurrent parking threshold/limit. Any parking stays that were over the allowable threshold would be billable in full to the tenant or merchant who manages the validation account.

For parking stays over the chosen threshold limit, the report will show the total billable amount as a summary of all validated paid tickets (based on the discounted amounts only). Any parkers that were parked in the facility under the set allowed limit would not be charged.

Report Organization:

At the top of the page are the report title, date the report was generated, report date/time ranges, facility name, and the validation name. The tickets allowed threshold (based on report parameter) is shown at the top of the report as well.

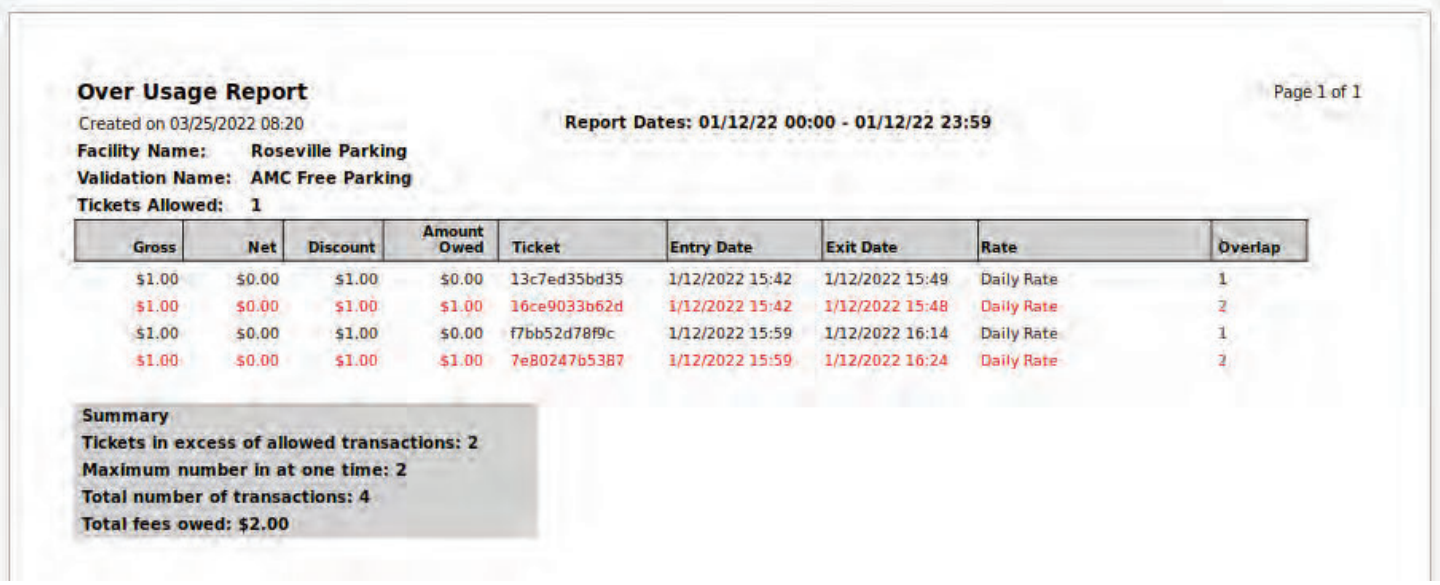
The report is headed as follows: Gross (fee), Net (fee), Discount (Amount), Amount Owed (after threshold considered), Ticket (Number), Entry Date, Exit Date, Rate, and Overlap (number of parkers in at the same time).

Report Filtering:

The report can be filtered by Validation Name (Offer) and Number of Tickets Allowed (threshold for validated parkers in the lot at any one time).

Report Sorting:
Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Over Usage Report

Page 1 of 1

Created on 03/25/2022 08:20

Report Dates: 01/12/22 00:00 - 01/12/22 23:59

Facility Name: Roseville Parking
Validation Name: AMC Free Parking
Tickets Allowed: 1

Gross	Net	Discount	Amount Owed	Ticket	Entry Date	Exit Date	Rate	Overlap
$1.00	$0.00	$1.00	$0.00	13c7ed35bd35	1/12/2022 15:42	1/12/2022 15:49	Daily Rate	1
$1.00	$0.00	$1.00	$1.00	16ce9033b62d	1/12/2022 15:42	1/12/2022 15:48	Daily Rate	2
$1.00	$0.00	$1.00	$0.00	f7bb52d78f9c	1/12/2022 15:59	1/12/2022 16:14	Daily Rate	1
$1.00	$0.00	$1.00	$1.00	7e80247b53B7	1/12/2022 15:59	1/12/2022 16:24	Daily Rate	2

Summary
Tickets in excess of allowed transactions: 2
Maximum number in at one time: 2
Total number of transactions: 4
Total fees owed: $2.00

Prepaid Pass Report

Report Scope: This report provides the user with status and activity information for prepaid pass reservations. It displays the reservation range (from activation to expiration date) and shows when a reservation pass holder entered and/or exited the facility along with the overall parking duration. It also displays any overage time and fee for parkers who arrived early (before the activation date on the reservation) or left late (after the expiration time of the reservation).

Report Organization:

At the top of the page are the report title, date the report was generated, report date/time ranges, the number of records (or passes) are all listed along with a total of overages on the top right. Each page is numbered.

The report is headed as follows: Vendor Name (Spot Hero, Park Whiz, etc.), Credential (pass number), Activation Date (prepaid start date), Expiration Date (prepaid end date), Entry Lane, Entry Date, Exit Lane, Exit Date, and Duration (Time Parked).

The Overage Amount, Overage Time, Rate, Prepaid Amount and Name (customer) are displayed in line just below each transaction entry to the far left.

Report Filtering:

The report can be filtered by vendor (Spot Hero, Park Whiz, etc.) based on a drop-down selection. The user can select one, some, or all vendors and the user can choose to see the prepaid amount (purchase amount), name (purchaser – if this information has been shared by the third party system), both, and none.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Prepaid Pass Report (Cont'd)

Report Sample:

Prepaid Pass Report

Page 1 of 1

Created on 03/10/2022 10:15

Report Dates: 09/15/21 00:00 - 09/15/21 23:59

Total number of records: 10

Total Overage Fees: $62.00

Facility Name: **Roseville Parking**

Vendor Name	Credential	Activation Date	Expiration Date	Entry Lane	Entry Date	Exit Lane	Exit Date	Duration (hr:min)
	77702012	09/15/2021 18:28	09/15/2021 18:35	A1 Prototype - Dispenser	09/15/2021 18:18	Aria CC - Exit	09/15/2021 18:36	0:18
Prepaid Amount: $0.00								
Overage Fee: $1.00 Overage Time: 0:10 Rate:								
	77702011	09/15/2021 18:28	09/15/2021 18:35	A1 Prototype - Dispenser	09/15/2021 18:18	Aria CC - Exit	09/15/2021 18:29	0:11
Prepaid Amount: $0.00								
Overage Fee: $1.00 Overage Time: 0:09 Rate:								
	77702010	09/15/2021 17:45	09/15/2021 18:16	A1 Prototype - Dispenser	09/15/2021 18:15	Aria CC - Exit	09/15/2021 18:19	0:04
Prepaid Amount: $0.00								
Overage Fee: $1.00 Overage Time: 0:03 Rate:								
	77702009	09/15/2021 17:45	09/15/2021 18:00	A1 Prototype - Dispenser	09/15/2021 17:34	Aria CC - Exit	09/15/2021 18:10	0:36
Prepaid Amount: $0.00								
Overage Fee: $5.00 Overage Time: 0:21 Rate:								
	77702008	09/15/2021 17:45	09/15/2021 18:00	A1 Prototype - Dispenser	09/15/2021 17:32	Aria CC - Exit	09/15/2021 17:46	0:14
Prepaid Amount: $0.00								
Overage Fee: $3.00 Overage Time: 0:12 Rate:								
	77702007	09/15/2021 15:38	09/15/2021 15:45	A1 Prototype - Dispenser	09/15/2021 15:39	Aria CC - Exit	09/15/2021 17:23	1:44
Prepaid Amount: $0.00								
Overage Fee: $11.00 Overage Time: 1:38 Rate:								
	77702001	08/01/2021 18:39	09/15/2021 13:38	A1 Prototype - Dispenser	09/15/2021 13:35			0:00
Prepaid Amount: $0.00								
Overage Fee: $10.00 Overage Time: 0:00 Rate:								
	77702002	08/01/2021 18:39	09/15/2021 14:02	A1 Prototype - Dispenser	09/15/2021 14:00			0:00
Prepaid Amount: $0.00								
Overage Fee: $10.00 Overage Time: 0:00 Rate:								
	77702005	08/01/2021 18:39	09/15/2021 14:48	A1 Prototype - Dispenser	09/15/2021 14:47			0:00
Prepaid Amount: $0.00								
Overage Fee: $10.00 Overage Time: 0:00 Rate:								
	77702006	09/13/2021 18:39	09/15/2021 15:25	A1 Prototype - Dispenser	09/15/2021 15:24			0:00
Prepaid Amount: $0.00								
Overage Fee: $10.00 Overage Time: 0:00 Rate:								

Rate Details Report

Report Scope:

This report provides facility operators with a detailed breakdown that shows how each facility rate is configured. The Rate Details Report includes audit-level detail and compiles all the rate information together that otherwise could be viewed by clicking each rate's edit button in the Settings/Rates menu.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, total number of rates, rate name, and facility name.

This report displays the following data with headers: Rate Name and Rate Description.

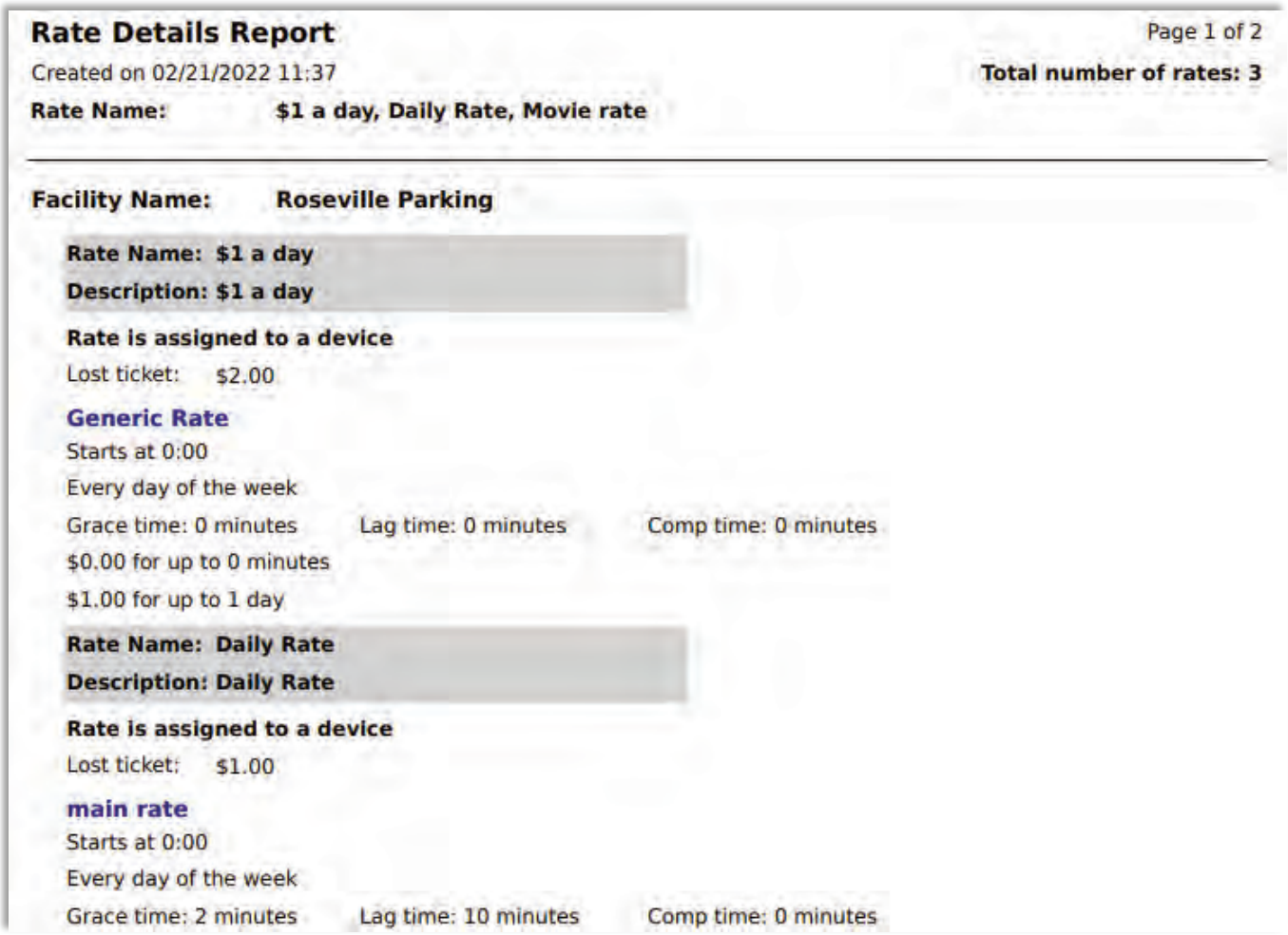
Report Filtering:

The report can be filtered by one or more rate name and rate component.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data "live" on the report screen to view all programmed rates by location and rate type. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Rate Details Report

Page 1 of 2

Created on 02/21/2022 11:37

Total number of rates: 3

Rate Name: **$1 a day, Daily Rate, Movie rate**

Facility Name: **Roseville Parking**

Rate Name: $1 a day
Description: $1 a day

Rate is assigned to a device

Lost ticket: $2.00

Generic Rate

Starts at 0:00

Every day of the week

Grace time: 0 minutes Lag time: 0 minutes Comp time: 0 minutes

$0.00 for up to 0 minutes

$1.00 for up to 1 day

Rate Name: Daily Rate
Description: Daily Rate

Rate is assigned to a device

Lost ticket: $1.00

main rate

Starts at 0:00

Every day of the week

Grace time: 2 minutes Lag time: 10 minutes Comp time: 0 minutes

Revenue Transaction Report

Report Scope:

This report provides operators with information about all paid revenue ticket transactions for a facility. This report can be used to audit the revenue for a facility on a transactional basis.

Report Organization:

At the top of the report page are the report title, date the report was generated, report date/time ranges, and the number of records contained within the report. A summary section on the top right of the report contains the following detail: total gross and net revenues along with total convenience fees. Each page is numbered.

The report is headed by the following categories: Gross (Fee), Net (Fee), Entry Date, Exit Date, Transaction Type, Ticket ID, Sequence #, Transaction ID, Rate, Device Name, and Credit Card # (last four numbers).

The selected filter parameters are shown at the top of the report.

Report Filtering:

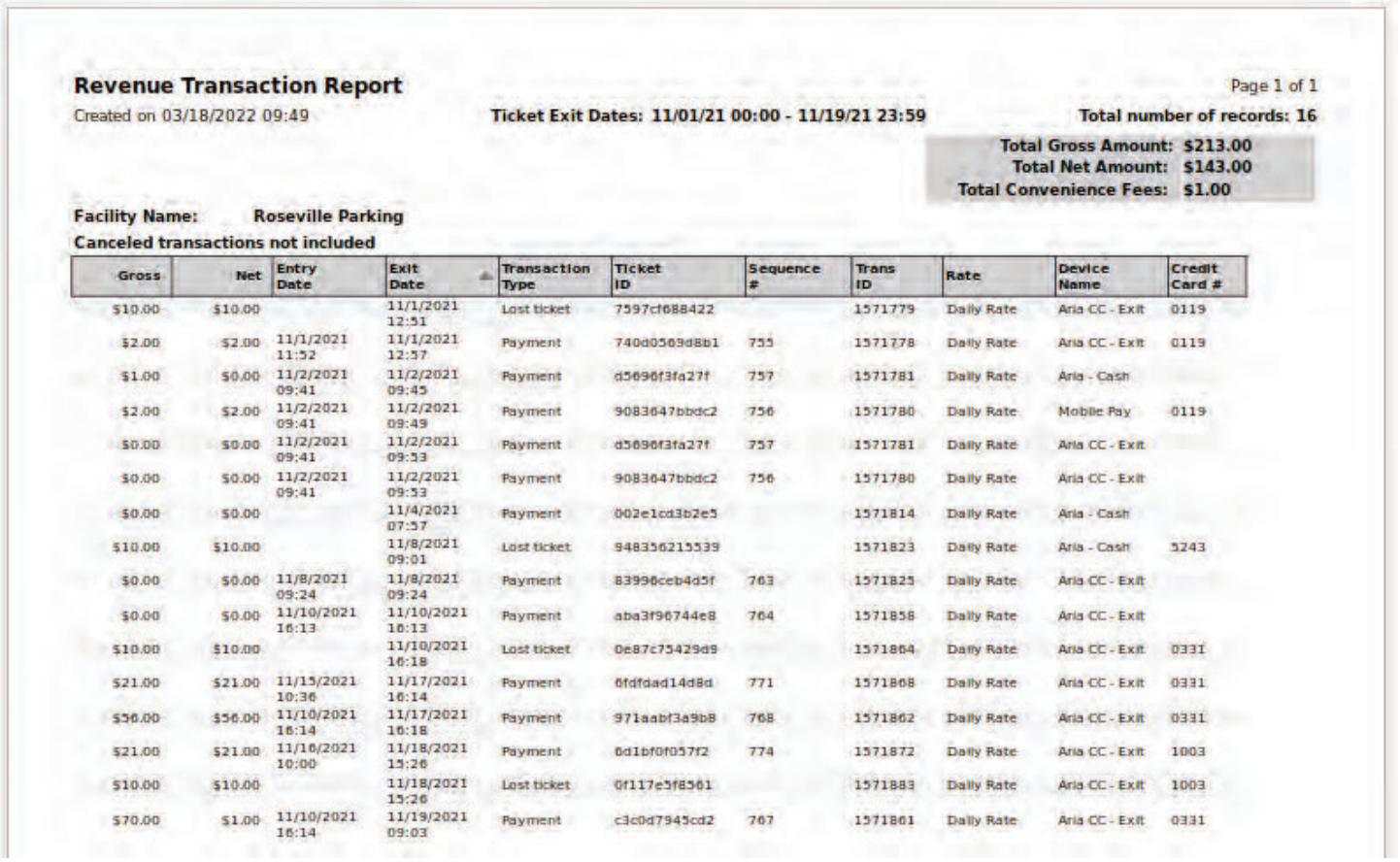
The report can be filtered by several parameters. The Device Name, Rate, and Transaction Type parameters can be selected from drop-down type filter lists. The user can select one, some, or all for these filters. The Transaction ID, Ticket ID or Credit Card Number parameters must be manually entered by the user. The parameters for Include Canceled Transactions, Show Details, or Show Tax can be set to 'yes' or 'no' by the user.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Revenue Transaction Report (Cont'd)

Report Sample:



Revenue Transaction Report

Page 1 of 1

Created on 03/18/2022 09:49

Ticket Exit Dates: 11/01/21 00:00 - 11/19/21 23:59

Total number of records: 16

Total Gross Amount: $213.00
Total Net Amount: $143.00
Total Convenience Fees: $1.00

Facility Name: Roseville Parking

Canceled transactions not included

Gross	Net	Entry Date	Exit Date	Transaction Type	Ticket ID	Sequence #	Trans ID	Rate	Device Name	Credit Card #
$10.00	$10.00		11/1/2021 12:51	Lost ticket	7597cf688422		1571779	Daily Rate	Aria CC - Exit	0119
$2.00	$2.00	11/1/2021 11:52	11/1/2021 12:57	Payment	740d0569d8b1	755	1571778	Daily Rate	Aria CC - Exit	0119
$1.00	$0.00	11/2/2021 09:41	11/2/2021 09:45	Payment	d5696f3fa27f	757	1571781	Daily Rate	Aria - Cash	
$2.00	$2.00	11/2/2021 09:41	11/2/2021 09:49	Payment	9083647bbdc2	756	1571780	Daily Rate	Mobile Pay	0119
$0.00	$0.00	11/2/2021 09:41	11/2/2021 09:53	Payment	d5696f3fa27f	757	1571781	Daily Rate	Aria CC - Exit	
$0.00	$0.00	11/2/2021 09:41	11/2/2021 09:53	Payment	9083647bbdc2	756	1571780	Daily Rate	Aria CC - Exit	
$0.00	$0.00		11/4/2021 07:57	Payment	002e1cd3b2e5		1571814	Daily Rate	Aria - Cash	
$10.00	$10.00		11/8/2021 09:01	Lost ticket	948356215539		1571823	Daily Rate	Aria - Cash	5243
$0.00	$0.00	11/8/2021 09:24	11/8/2021 09:24	Payment	83996ceb4d5f	763	1571825	Daily Rate	Aria CC - Exit	
$0.00	$0.00	11/10/2021 16:13	11/10/2021 16:13	Payment	aba3f96744e8	764	1571858	Daily Rate	Aria CC - Exit	
$10.00	$10.00		11/10/2021 16:18	Lost ticket	0e87c75429d9		1571864	Daily Rate	Aria CC - Exit	0331
$21.00	$21.00	11/15/2021 10:36	11/17/2021 16:14	Payment	0fdfdad14d8d	771	1571868	Daily Rate	Aria CC - Exit	0331
$56.00	$56.00	11/10/2021 16:14	11/17/2021 16:18	Payment	971aabf3a9b8	768	1571862	Daily Rate	Aria CC - Exit	0331
$21.00	$21.00	11/16/2021 10:00	11/18/2021 15:26	Payment	0d1bf0f057f2	774	1571872	Daily Rate	Aria CC - Exit	1003
$10.00	$10.00		11/18/2021 15:26	Lost ticket	0f117e5f8561		1571883	Daily Rate	Aria CC - Exit	1003
$70.00	$1.00	11/10/2021 16:14	11/19/2021 09:03	Payment	c3c0d7945cd2	767	1571861	Daily Rate	Aria CC - Exit	0331

Summary Totals Report

Report Scope:

This report summarizes all revenues generated at a facility for a specified date and time range. The report provides both summary and detail breakdowns for all revenues collected. The data is broken out by revenue sections with associated transaction counts.

Report Filtering:

The report can be filtered by device name (from drop-down choices). The user can select to report on one, some, or all devices within a facility.

For report periods longer than a day (week, month, year), there is an option to display the data by day (midnight to midnight) per page. If this option is chosen, the report title will be amended to “Summary Totals Report by Day” and the date is listed on the top of each page.

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Organization:

At the top of each page, the report displays the report title, the selected report date range, the date the report was printed/generated, the facility and device names, and the average gross and net fee information. The report outputs separate “Device Totals” pages for each device and a cumulative or “Report Totals” page, along with a page for entry/exit statistics which includes issued ticket sequence numbering, and a page with the revenue summary by device and rate shown with graphically. Each page is numbered.

The report is displayed in four sections: 1. Device Totals, 2. Report/Facility Totals, 3. Entry/Exit Statistics and 4. Revenue Graphs.

Summary Totals Report (Cont'd)

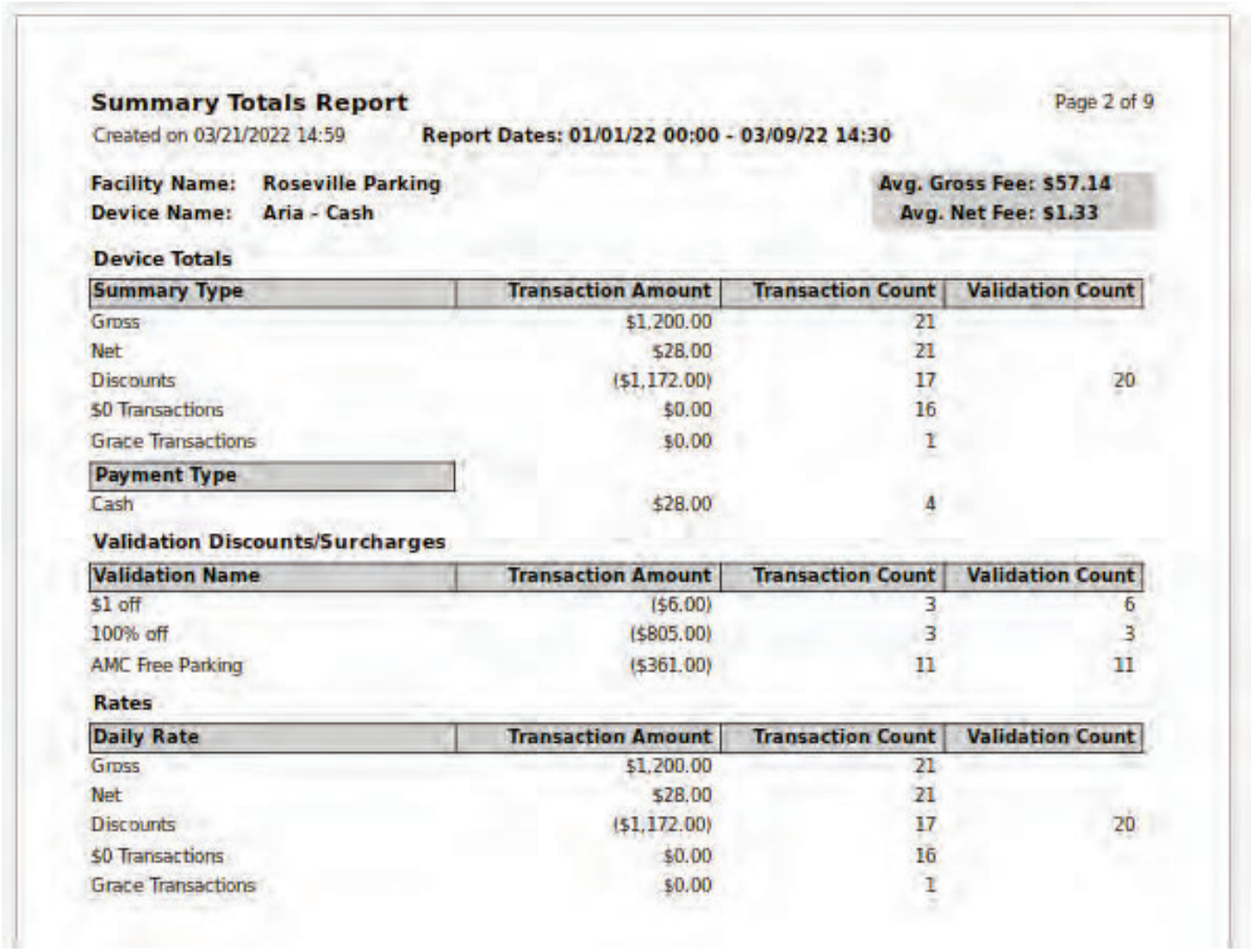
1. Device Totals page(s) – each device broken out into its own page(s)

Device Totals page organization:

- The device is listed at the top of the page (the report has a page for each device or two pages depending on options selected)
- The Device Totals section is broken down into Summary Type and Payment Type subsections:
    - The Summary Type section shows the gross, net, discounted, lost, grace period, zero-dollar ticket, and prepaid pass overstay revenue amounts and transaction and validation counts.
    - The Payment Type section displays cash and credit card revenue in total and by each credit card type along with the associated transaction counts.
- The Validation Discounts/Surcharges section shows transaction (discount or surcharge) amount itemization for each validation name (program/offer) along with the associated transaction and validation counts.
- The Rate section shows a revenue breakdown by category (gross, net, discounted, lost, grace period, and zero-dollar tickets) and the associated transaction and validation counts for each rate that was used.
- There are options to show gross/net rate groupings. This includes columns for fee, total and quantity per rate category, ordered by gross, net, or both.

Summary Totals Report (Cont'd)

Device Totals page sample:



Summary Totals Report

Page 2 of 9

Created on 03/21/2022 14:59 **Report Dates: 01/01/22 00:00 - 03/09/22 14:30**

Facility Name: **Roseville Parking**
Device Name: **Aria - Cash**

Avg. Gross Fee: $57.14
Avg. Net Fee: $1.33

Device Totals

Summary Type	Transaction Amount	Transaction Count	Validation Count
Gross	$1,200.00	21	
Net	$28.00	21	
Discounts	($1,172.00)	17	20
$0 Transactions	$0.00	16	
Grace Transactions	$0.00	1	
Payment Type			
Cash	$28.00	4	

Validation Discounts/Surcharges

Validation Name	Transaction Amount	Transaction Count	Validation Count
$1 off	($6.00)	3	6
100% off	($805.00)	3	3
AMC Free Parking	($361.00)	11	11

Rates

Daily Rate	Transaction Amount	Transaction Count	Validation Count
Gross	$1,200.00	21	
Net	$28.00	21	
Discounts	($1,172.00)	17	20
$0 Transactions	$0.00	16	
Grace Transactions	$0.00	1	

Summary Totals Report (Cont'd)

2. Report Totals page(s) – facility cumulative totals page(s):

Report Totals page organization:

- This section is a summary of all previous device pages in cumulative totals for the whole facility.
- The Report Totals section is broken down into the Summary Type and Payment Type subsections.
    - The Summary Type section shows the gross, net, discounted, lost, grace period, zero-dollar ticket, and prepaid pass overstay revenue amounts and transaction and validation counts.
    - The Payment Type section displays cash and credit card revenue in total and by each credit card type along with the associated transaction counts.
- The Validation Discounts/Surcharges section shows transaction (discount or surcharge) amount itemization for each validation name (program/offer) along with the associated transaction and validation counts.
- The Rate section shows a revenue breakdown by category (gross, net, discounted, lost, grace period, and zero-dollar tickets) and the associated transaction and validation counts for each rate that was used.
- There are options to show gross/net rate groupings. This includes columns for fee, total and quantity per rate category, ordered by gross, net, or both

Report Total page sample (Cumulative totals for all device pages):

Summary Totals Report

Created on 03/09/2022 14:30 **Report Dates: 01/01/22 00:00 - 03/09/22 23:59**

Facility Name: Roseville Parking

Avg. Gross Fee: $18.93
Avg. Net Fee: $7.23

REPORT TOTALS

Summary Type	Transaction Amount	Transaction Count	Validation Count
Gross	$3,502.00	185	
Net	$1,337.50	185	
Discounts	($2,163.50)	37	48
Lost Tickets	$51.00	48	
$0 Transactions	$0.00	41	
Grace Transactions	$0.00	25	
3rd Party Pass Overstay	$2.00	2	
Payment Type			
Cash	$38.00	14	
Credit Cards	$1,299.50	105	
American Express	$319.50	56	
Discover	$634.00	8	
Mastercard	$24.00	5	
Other	$107.00	3	
Visa	$215.00	33	

Validation Discounts/Surcharges

Validation Name	Transaction Amount	Transaction Count	Validation Count
$1 off	($6.00)	3	6
$1.00	($10.00)	2	10
100% off	($1,072.00)	6	6
100% Off Parking	($2.00)	2	2
AMC 50% Off	($0.50)	1	1
AMC Free Parking	($371.00)	19	19
Flat $1.00	($699.00)	1	1
Free Parking	($2.00)	2	2
Parking Office Free	($1.00)	1	1

Summary Totals Report (Cont'd)

Summary Totals Report

Created on 03/09/2022 14:30 **Report Dates: 01/01/22 00:00 - 03/09/22 23:59**

Facility Name: Roseville Parking

Avg. Gross Fee: $18.93
Avg. Net Fee: $7.23

Rates

$1 a day	Transaction Amount	Transaction Count	Validation Count
Gross	$8.00	4	
Net	$8.00	4	
Lost Tickets	$8.00	4	

Daily	Transaction Amount	Transaction Count	Validation Count
Gross	$1.00	1	
Net	$1.00	1	

Daily Rate	Transaction Amount	Transaction Count	Validation Count
Gross	$3,492.00	178	
Net	$1,327.50	178	
Discounts	($2,163.50)	37	48
Lost Tickets	$43.00	44	
$0 Transactions	$0.00	40	
Grace Transactions	$0.00	25	

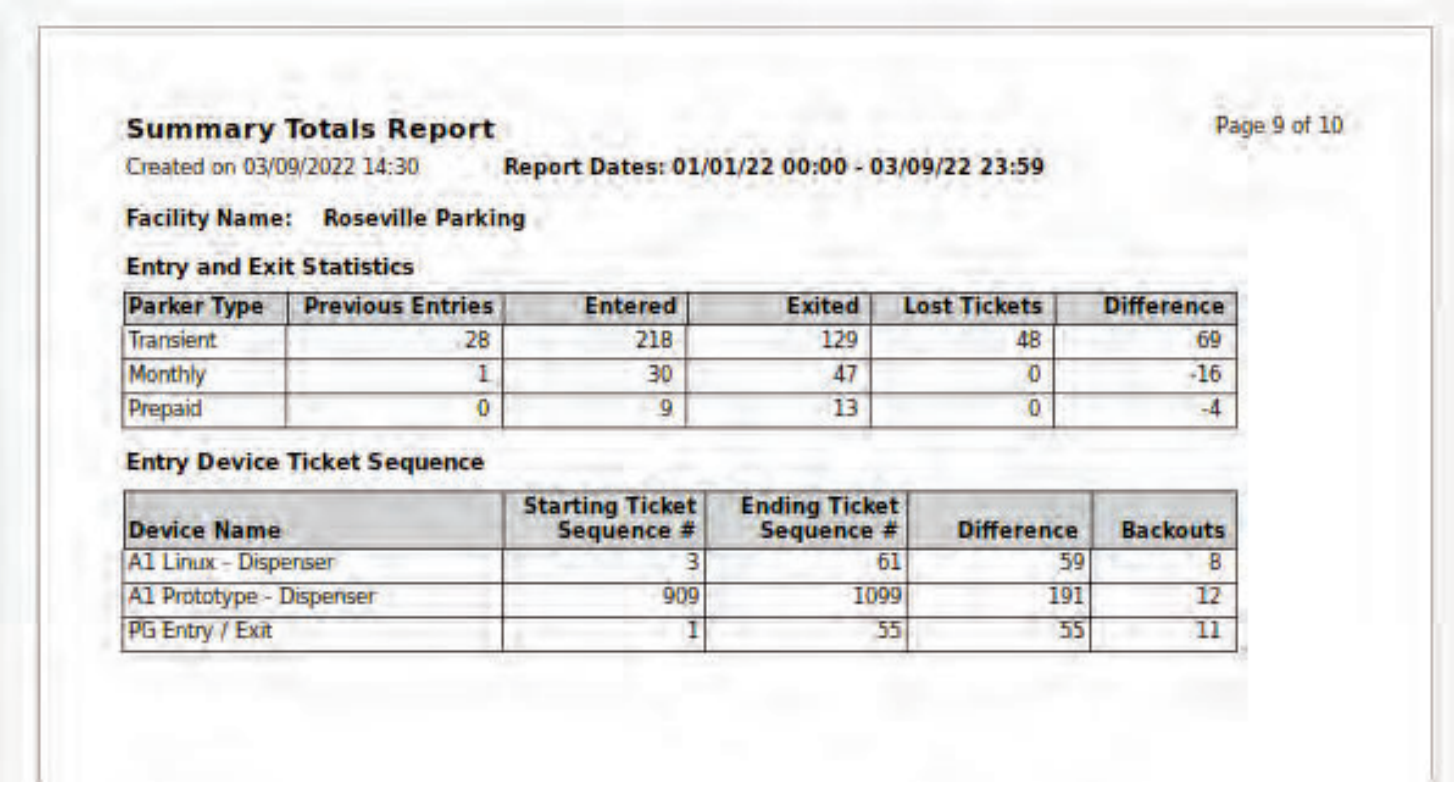
Summary Totals Report (Cont'd)

3. Entry/Exit Statistics page:

Entry/Exit Statistics page organization:

- The top section shows the starting Transient, Monthly, and Prepaid parker values the entries, exits and lost tickets processed during the report period and the net change. This net difference is the delta from entry to exit based on transaction counts.
- The second section lists the issue ticket sequence counts and difference for each dispenser so that the operator may keep track of tickets and see the void or backout tickets dispensed during the report period.

Entry/Exit Statistics page sample:



Summary Totals Report

Page 9 of 10

Created on 03/09/2022 14:30 **Report Dates: 01/01/22 00:00 - 03/09/22 23:59**

Facility Name: Roseville Parking

Entry and Exit Statistics

Parker Type	Previous Entries	Entered	Exited	Lost Tickets	Difference
Transient	28	218	129	48	69
Monthly	1	30	47	0	-16
Prepaid	0	9	13	0	-4

Entry Device Ticket Sequence

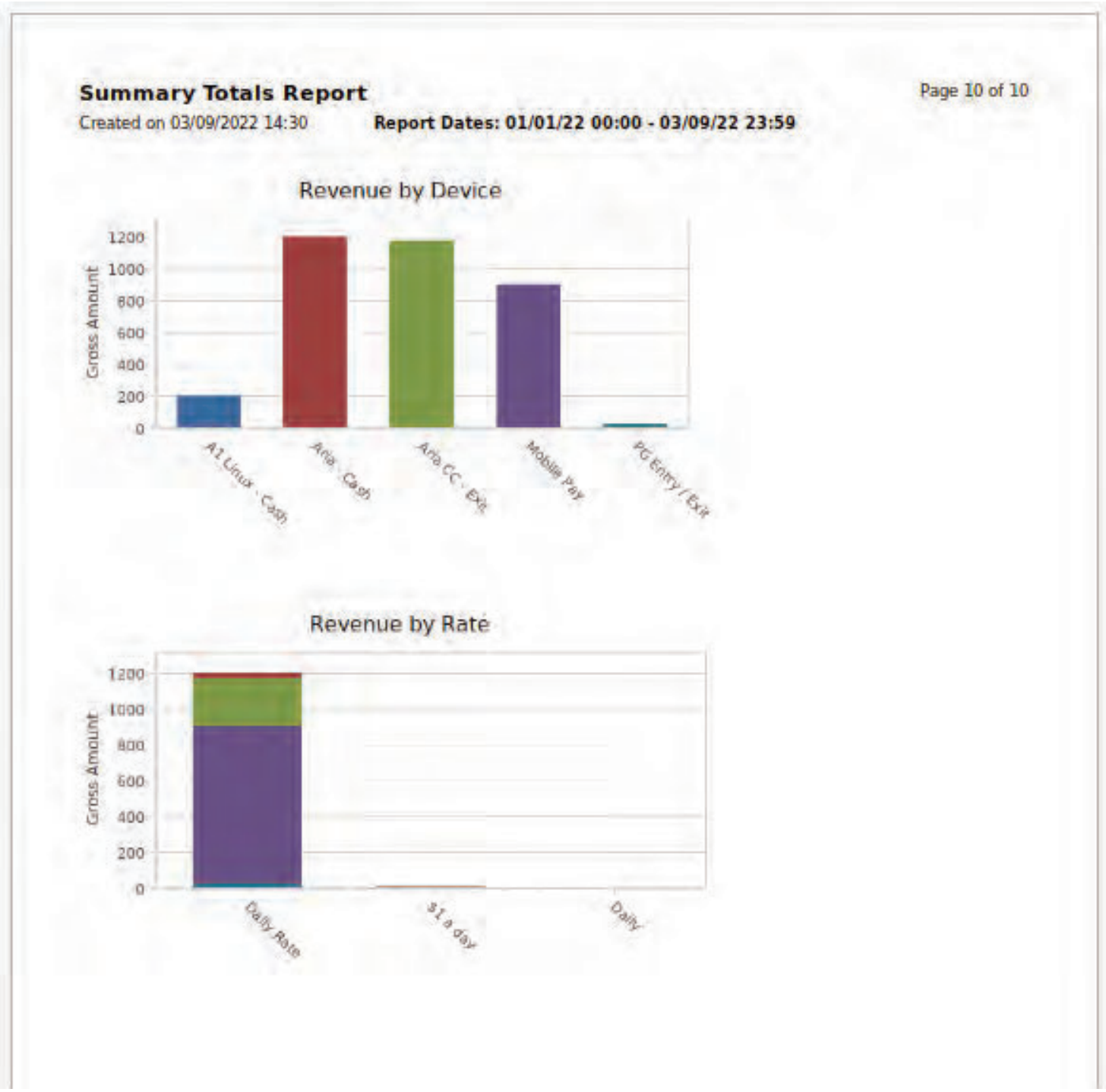
Device Name	Starting Ticket Sequence #	Ending Ticket Sequence #	Difference	Backouts
A1 Linux - Dispenser	3	61	59	8
A1 Prototype - Dispenser	909	1099	191	12
PG Entry / Exit	1	55	55	11

Summary Totals Report (Cont'd)

4. Revenue graphs page

- Revenue totals displayed by device and rate for the facility

Sample (final page of the report):



Time Parameter Report

Report Scope: The Time Parameters report provides facility operators with a validation statement that can be used to document or bill back charges for validation usage by tenants or merchants for access based on entry day of the week, time and parking duration. The Time Parameter Report is designed to track historical parking stays for customers who were validated under a specific account offer (with a full or partial discount) and who have already paid/exited. The report allows the user to define up to two parameter conditions, which include an entry time window, days of the week, and a parking duration threshold.

The report will show a billable total for validated parking stays that fall within the user-defined days of the week, entry time window, and whose parking stay is over the selected duration limit. If the user does not select time window 1 and/or 2 options at report time, the report will show every paid validation for the report period for the selected validation offer as billable.

The user selects a single validation account offer from a list and applies report options to narrow the output to time, day, and duration options.

Report Organization:

At the top of the page are the report title, the date the report was generated, report date/time ranges, facility name, and the validation name.

On the top right there is a summary section with the following information: Total Gross Amount, Total Net Amount, Total Discount Amount, Total Fees Owed by Tenant, and Transactions with Charges (count). This summary billing information changes based on the filters selected and threshold duration entered by the user at report time. The report parameters selected by the user are shown on the left side at the top of the report.

The report columns are headed as follows: Gross (fee), Net (fee), Discount (Amount), Amount Owed (after threshold considered), Ticket (Number), Entry Date, Exit Date, Rate, and Overlap (number of parkers in at the same time).

Report Filtering:

The report can be filtered for one validation offer name. There are time windows 1 and 2 parameters along with their associated days of the week, entry times, and duration charge thresholds that can be defined by the user at report time. If time window 1 parameter is set to ‘no’, time window 2 will not apply and the report will output will no parameters applied. In that case all validation usage will show as billable in full for the reporting period based on the selected validation offer.

The user must select ‘yes’ or ‘no’ for each time window and ‘charge if more than’ duration option for the parameters to take effect, and time window 1 must be used first for any other setting to be applicable. Time window 2 and its associated days of week and duration options will only be applied if time window 1 and time window 2 have been set to ‘yes’.

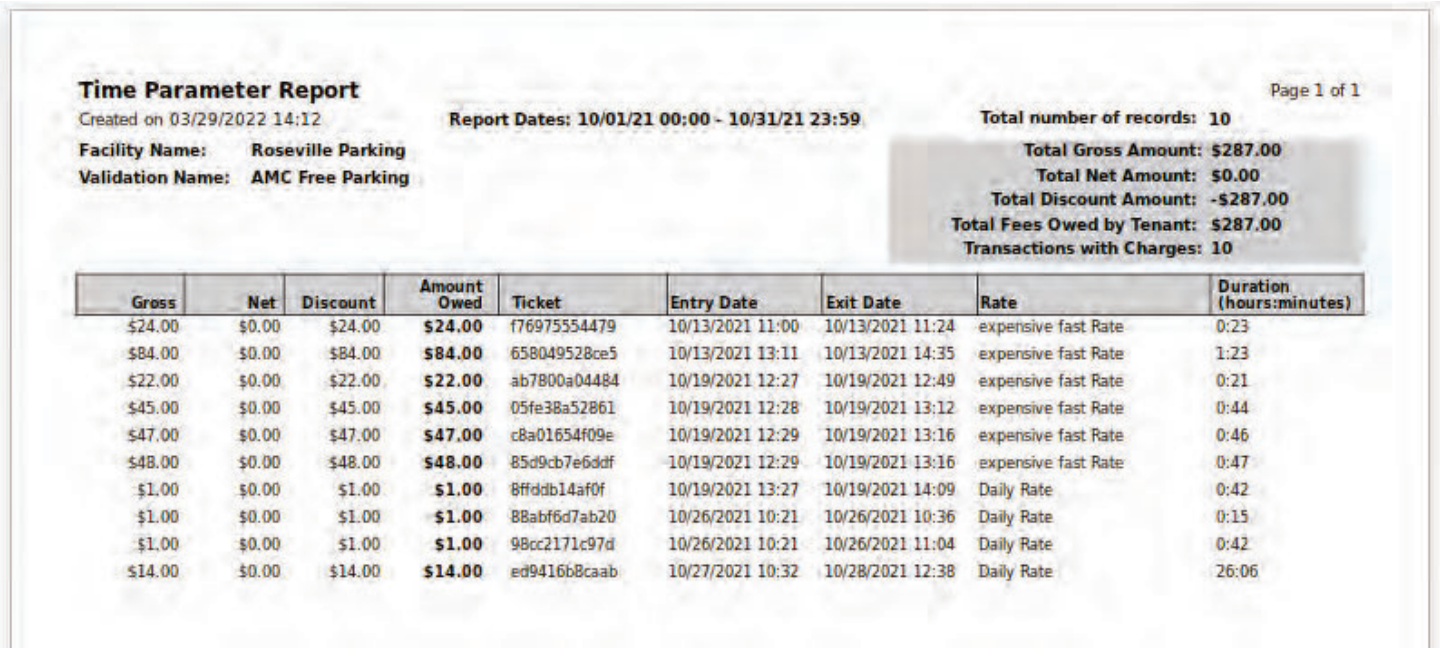
Example: Time window 1 could be used for morning or midday and time window 2 could be used for afternoon or evening. The design is to allow the user to track and bill for validation usage for up to two time periods a day. If you were to run the report for a restaurant that has lunch and dinner periods, you could use the time windows to capture both periods in the one report. For example, the user could track restaurant validation usage for 11:00 a.m. to 2:00 p.m. as well as 5:00 p.m. to 10:00 p.m. in the one report using both time window options.

Time Parameter Report (Cont'd)

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample (all validation usage is billable with no time window restrictions entered by the user at report time):



Time Parameter Report

Page 1 of 1

Created on 03/29/2022 14:12

Report Dates: 10/01/21 00:00 - 10/31/21 23:59

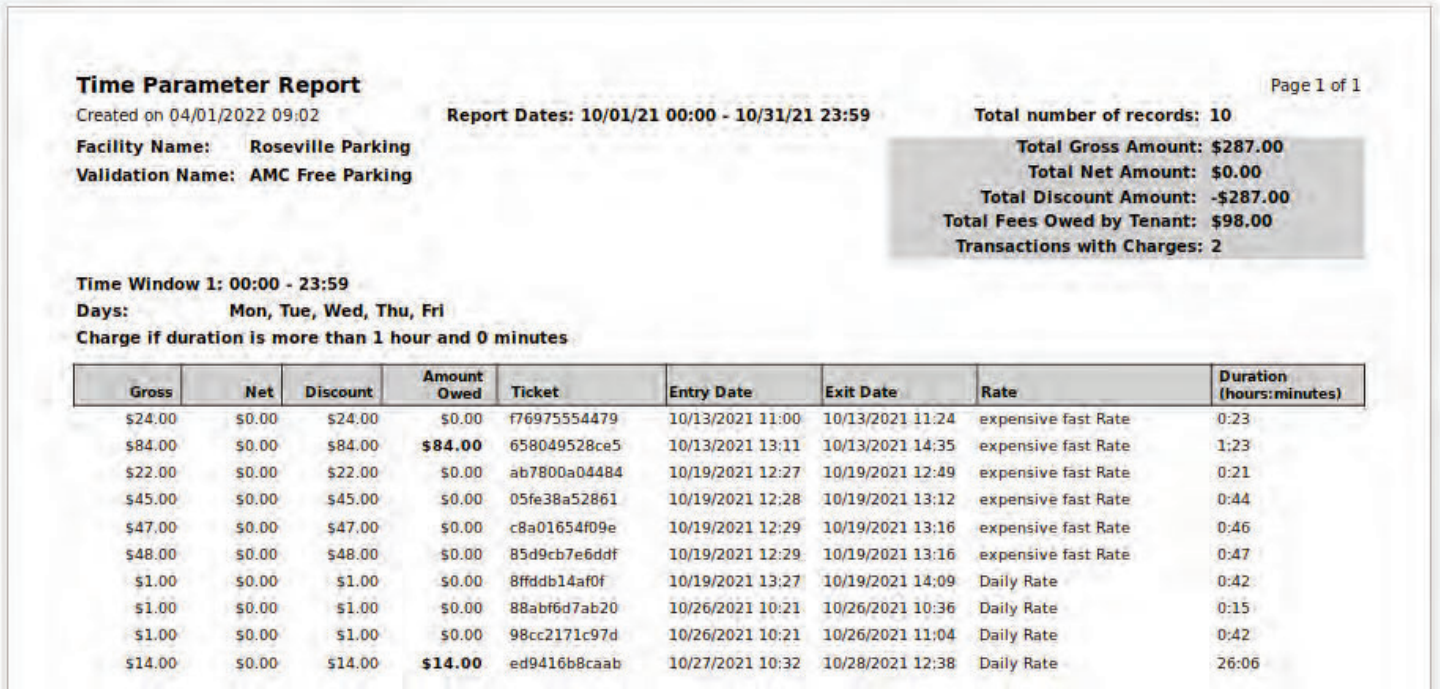
Total number of records: 10

Facility Name: Roseville Parking
Validation Name: AMC Free Parking

Total Gross Amount: $287.00
Total Net Amount: $0.00
Total Discount Amount: -$287.00
Total Fees Owed by Tenant: $287.00
Transactions with Charges: 10

Gross	Net	Discount	Amount Owed	Ticket	Entry Date	Exit Date	Rate	Duration (hours:minutes)
$24.00	$0.00	$24.00	**$24.00**	f76975554479	10/13/2021 11:00	10/13/2021 11:24	expensive fast Rate	0:23
$84.00	$0.00	$84.00	**$84.00**	658049528ce5	10/13/2021 13:11	10/13/2021 14:35	expensive fast Rate	1:23
$22.00	$0.00	$22.00	**$22.00**	ab7800a04484	10/19/2021 12:27	10/19/2021 12:49	expensive fast Rate	0:21
$45.00	$0.00	$45.00	**$45.00**	05fe38a52861	10/19/2021 12:28	10/19/2021 13:12	expensive fast Rate	0:44
$47.00	$0.00	$47.00	**$47.00**	c8a01654f09e	10/19/2021 12:29	10/19/2021 13:16	expensive fast Rate	0:46
$48.00	$0.00	$48.00	**$48.00**	85d9cb7e6ddf	10/19/2021 12:29	10/19/2021 13:16	expensive fast Rate	0:47
$1.00	$0.00	$1.00	**$1.00**	8ffddb14af0f	10/19/2021 13:27	10/19/2021 14:09	Daily Rate	0:42
$1.00	$0.00	$1.00	**$1.00**	88abf6d7ab20	10/26/2021 10:21	10/26/2021 10:36	Daily Rate	0:15
$1.00	$0.00	$1.00	**$1.00**	98cc2171c97d	10/26/2021 10:21	10/26/2021 11:04	Daily Rate	0:42
$14.00	$0.00	$14.00	**$14.00**	ed9416b8caab	10/27/2021 10:32	10/28/2021 12:38	Daily Rate	26:06

Report Sample (output based on user-defined selections of a 00:00 – 23:59 time window, M- F weekdays only, for paid validated tickets that over 1 hour in duration):



Time Parameter Report

Page 1 of 1

Created on 04/01/2022 09:02

Report Dates: 10/01/21 00:00 - 10/31/21 23:59

Total number of records: 10

Facility Name: Roseville Parking
Validation Name: AMC Free Parking

Total Gross Amount: $287.00
Total Net Amount: $0.00
Total Discount Amount: -$287.00
Total Fees Owed by Tenant: $98.00
Transactions with Charges: 2

Time Window 1: 00:00 - 23:59
Days: Mon, Tue, Wed, Thu, Fri
Charge if duration is more than 1 hour and 0 minutes

Gross	Net	Discount	Amount Owed	Ticket	Entry Date	Exit Date	Rate	Duration (hours:minutes)
$24.00	$0.00	$24.00	$0.00	f76975554479	10/13/2021 11:00	10/13/2021 11:24	expensive fast Rate	0:23
$84.00	$0.00	$84.00	**$84.00**	658049528ce5	10/13/2021 13:11	10/13/2021 14:35	expensive fast Rate	1:23
$22.00	$0.00	$22.00	$0.00	ab7800a04484	10/19/2021 12:27	10/19/2021 12:49	expensive fast Rate	0:21
$45.00	$0.00	$45.00	$0.00	05fe38a52861	10/19/2021 12:28	10/19/2021 13:12	expensive fast Rate	0:44
$47.00	$0.00	$47.00	$0.00	c8a01654f09e	10/19/2021 12:29	10/19/2021 13:16	expensive fast Rate	0:46
$48.00	$0.00	$48.00	$0.00	85d9cb7e6ddf	10/19/2021 12:29	10/19/2021 13:16	expensive fast Rate	0:47
$1.00	$0.00	$1.00	$0.00	8ffddb14af0f	10/19/2021 13:27	10/19/2021 14:09	Daily Rate	0:42
$1.00	$0.00	$1.00	$0.00	88abf6d7ab20	10/26/2021 10:21	10/26/2021 10:36	Daily Rate	0:15
$1.00	$0.00	$1.00	$0.00	98cc2171c97d	10/26/2021 10:21	10/26/2021 11:04	Daily Rate	0:42
$14.00	$0.00	$14.00	**$14.00**	ed9416b8caab	10/27/2021 10:32	10/28/2021 12:38	Daily Rate	26:06

Transaction Details Report

Report Scope:

This report gives a detailed look at all the transient parking activity and payment transactions that make up each individual's parking transaction. A maximum of 31 days can be selected for the report.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, date range for report, facility name, total fees, total payments, total validations, total convenience fees, total records, total transactions, credit card, cash, Visa, MC, Amex, Discover, and Other.

This report displays the following data with headers: Activity Date, Credential, Credential Type, Seq #, Device Name, Transaction Type, Payment Type, Amount, Rate/Tax Name, and Details.

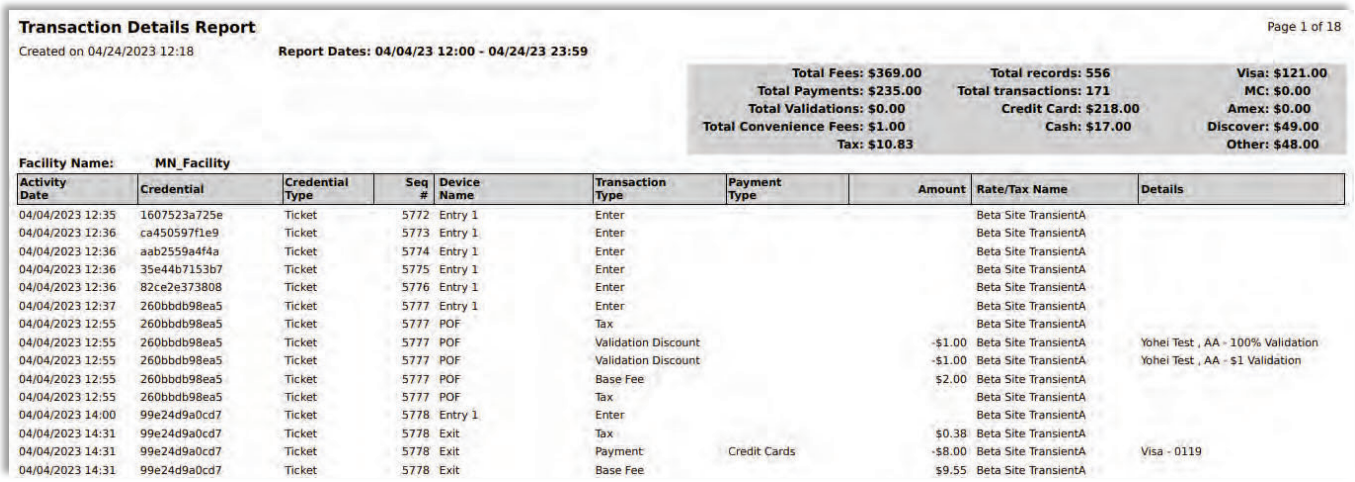
Report Filtering:

A user can filter the data on any field in the report. By exporting the report to a spreadsheet, a user can search, sort, and filter the data in more ways as well.

Report Sorting:

The interactive report engine also provides the ability to arrange the report data "live" on the report screen to view transient and cardholder transactions by to/from dates, credential number, or device type and location. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Transaction Details Report

Page 1 of 18

Created on 04/24/2023 12:18 **Report Dates: 04/04/23 12:00 - 04/24/23 23:59**

Total Fees: $369.00	**Total records: 556**	**Visa: $121.00**
Total Payments: $235.00	**Total transactions: 171**	**MC: $0.00**
Total Validations: $0.00	**Credit Card: $218.00**	**Amex: $0.00**
Total Convenience Fees: $1.00	**Cash: $17.00**	**Discover: $49.00**
Tax: $10.83		**Other: $48.00**

Facility Name: **MN_Facility**

Activity Date	Credential	Credential Type	Seq #	Device Name	Transaction Type	Payment Type	Amount	Rate/Tax Name	Details
04/04/2023 12:35	1607523a725e	Ticket	5772	Entry 1	Enter			Beta Site TransientA	
04/04/2023 12:36	ca450597f1e9	Ticket	5773	Entry 1	Enter			Beta Site TransientA	
04/04/2023 12:36	aab2559a4f4a	Ticket	5774	Entry 1	Enter			Beta Site TransientA	
04/04/2023 12:36	35e44b7153b7	Ticket	5775	Entry 1	Enter			Beta Site TransientA	
04/04/2023 12:36	82ce2e373808	Ticket	5776	Entry 1	Enter			Beta Site TransientA	
04/04/2023 12:37	260bbdb98ea5	Ticket	5777	Entry 1	Enter			Beta Site TransientA	
04/04/2023 12:55	260bbdb98ea5	Ticket	5777	POF	Tax			Beta Site TransientA	
04/04/2023 12:55	260bbdb98ea5	Ticket	5777	POF	Validation Discount		-$1.00	Beta Site TransientA	Yohei Test , AA - 100% Validation
04/04/2023 12:55	260bbdb98ea5	Ticket	5777	POF	Validation Discount		-$1.00	Beta Site TransientA	Yohei Test , AA - $1 Validation
04/04/2023 12:55	260bbdb98ea5	Ticket	5777	POF	Base Fee		$2.00	Beta Site TransientA	
04/04/2023 12:55	260bbdb98ea5	Ticket	5777	POF	Tax			Beta Site TransientA	
04/04/2023 14:00	99e24d9a0cd7	Ticket	5778	Entry 1	Enter			Beta Site TransientA	
04/04/2023 14:31	99e24d9a0cd7	Ticket	5778	Exit	Tax		$0.38	Beta Site TransientA	
04/04/2023 14:31	99e24d9a0cd7	Ticket	5778	Exit	Payment	Credit Cards	-$8.00	Beta Site TransientA	Visa - 0119
04/04/2023 14:31	99e24d9a0cd7	Ticket	5778	Exit	Base Fee		$9.55	Beta Site TransientA	

Validation Statement Summary Report

Report Scope:

This report provides summary information about validations processed for payment at a facility. The user can choose to generate summary data for all validation accounts and offers or choose to limit the scope of the report to as few as one validation account and/or offer.

Report Organization:

The following items are displayed on the top of the report: The report name, date and time the report was generated, report date/time range, facility, total number of validations, discounts, and accounts. The report pages are numbered. The report parameters/filters will be shown on the top left as well.

This report displays the following data with headers: Account Name, Validation Name (Offer), Validation Amount, Count.

Report Filtering:

The user can filter the data by inputting or selecting parameters for certain validation options.

The report filters have drop-down choice style selections for Device Name, Validation Account, and Validation Name (Offer). Each filter allows the user to select one, some, or all parameters.

The user also has the option to display the data in summary form or with additional transactional detail.

Report Sorting:

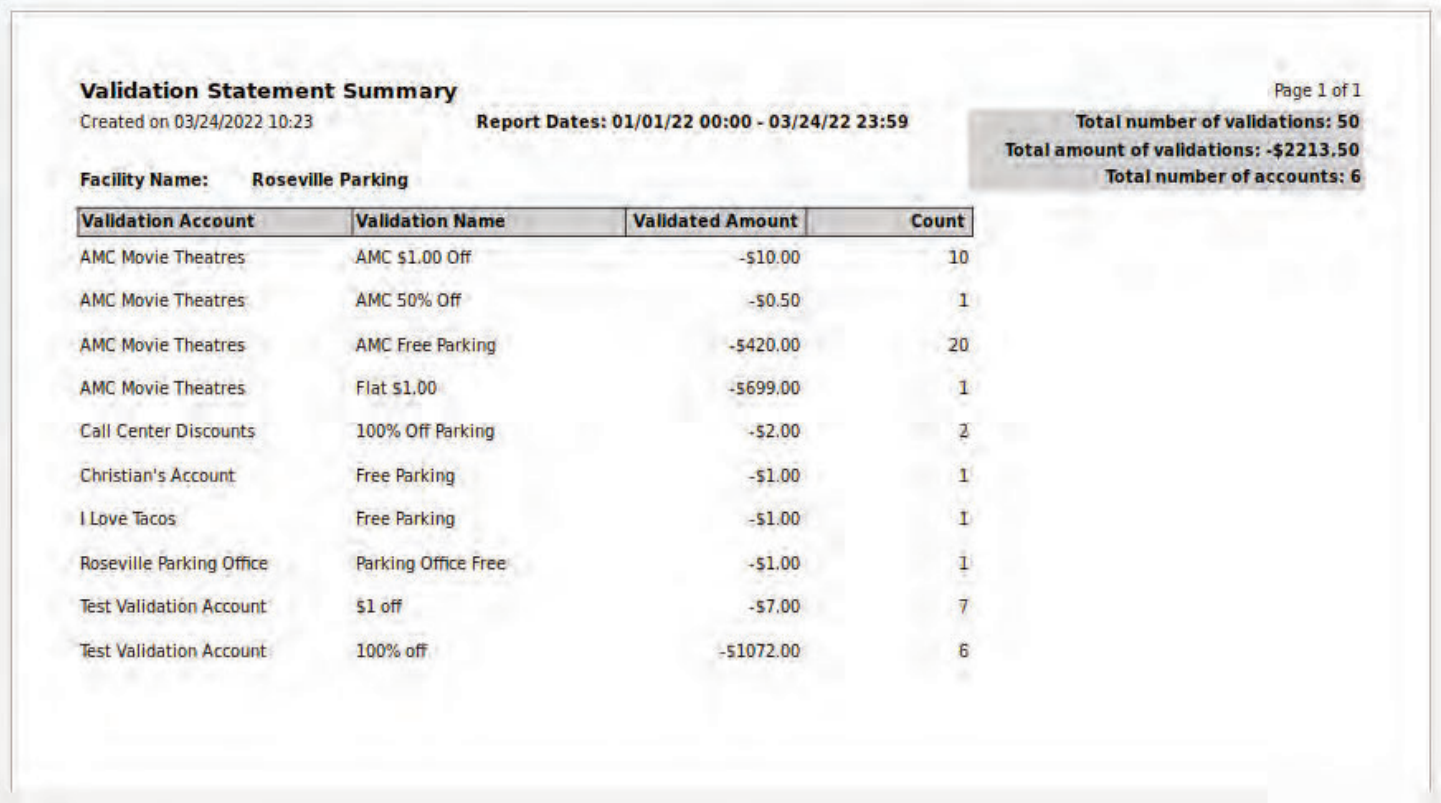
The report is sorted alphabetically by validation account. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Validation Statement Summary Report (Cont'd)

Option: Show Details = 'No'

When the Show Details option is set to 'No', the report show summary only validation and count information about each account/offer per line.

Report Sample (Summary of All Validations):



Validation Statement Summary

Page 1 of 1

Created on 03/24/2022 10:23

Report Dates: 01/01/22 00:00 - 03/24/22 23:59

Total number of validations: 50
Total amount of validations: -$2213.50
Total number of accounts: 6

Facility Name: **Roseville Parking**

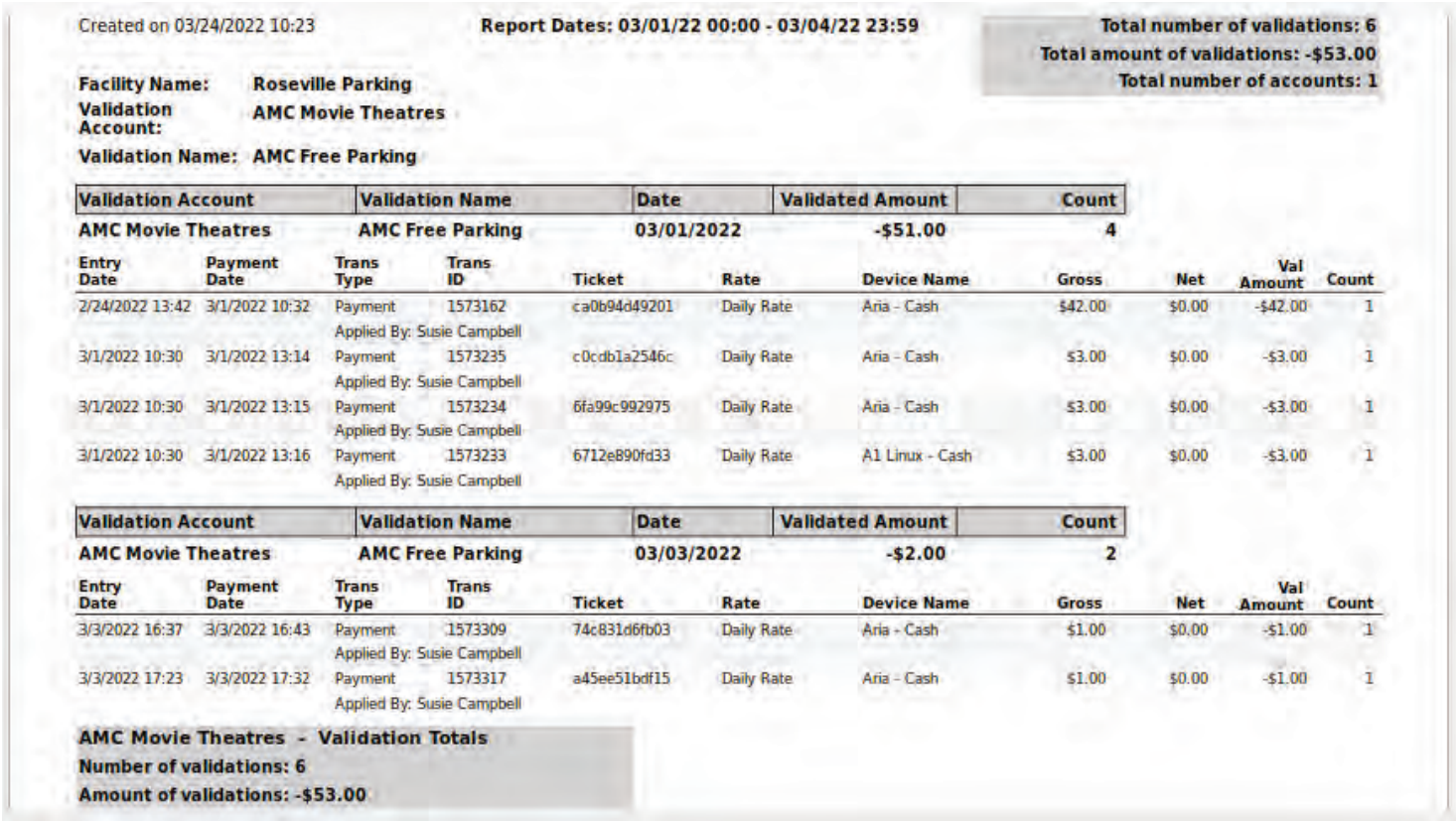
Validation Account	Validation Name	Validated Amount	Count
AMC Movie Theatres	AMC $1.00 Off	-$10.00	10
AMC Movie Theatres	AMC 50% Off	-$0.50	1
AMC Movie Theatres	AMC Free Parking	-$420.00	20
AMC Movie Theatres	Flat $1.00	-$699.00	1
Call Center Discounts	100% Off Parking	-$2.00	2
Christian's Account	Free Parking	-$1.00	1
I Love Tacos	Free Parking	-$1.00	1
Roseville Parking Office	Parking Office Free	-$1.00	1
Test Validation Account	$1 off	-$7.00	7
Test Validation Account	100% off	-$1072.00	6

Validation Statement Summary Report (Cont'd)

Options: Show Details = 'Yes'

When the Show Details options is set to 'Yes', individual transaction detail is displayed under each account/offer section. The details include the following columns: Entry Date, Payment Date, Transaction Type, Transaction ID, Ticket Number, Rate, Device Name, Gross Fee, Net Fee, Validation Amount, and Count (number of validations). This option also displays the name of the user who applied the validation to the ticket.

Report Sample (One Validation Account/Offer Selected):



Created on 03/24/2022 10:23 **Report Dates: 03/01/22 00:00 - 03/04/22 23:59**

Total number of validations: 6
Total amount of validations: -$53.00
Total number of accounts: 1

Facility Name: Roseville Parking
Validation Account: AMC Movie Theatres
Validation Name: AMC Free Parking

Validation Account	Validation Name	Date	Validated Amount	Count
AMC Movie Theatres	AMC Free Parking	03/01/2022	-$51.00	4

Entry Date	Payment Date	Trans Type	Trans ID	Ticket	Rate	Device Name	Gross	Net	Val Amount	Count
2/24/2022 13:42	3/1/2022 10:32	Payment	1573162	ca0b94d49201	Daily Rate	Aria - Cash	$42.00	$0.00	-$42.00	1
		Applied By: Susie Campbell								
3/1/2022 10:30	3/1/2022 13:14	Payment	1573235	c0cdb1a2546c	Daily Rate	Aria - Cash	$3.00	$0.00	-$3.00	1
		Applied By: Susie Campbell								
3/1/2022 10:30	3/1/2022 13:15	Payment	1573234	6fa99c992975	Daily Rate	Aria - Cash	$3.00	$0.00	-$3.00	1
		Applied By: Susie Campbell								
3/1/2022 10:30	3/1/2022 13:16	Payment	1573233	6712e890fd33	Daily Rate	A1 Linux - Cash	$3.00	$0.00	-$3.00	1
		Applied By: Susie Campbell								

Validation Account	Validation Name	Date	Validated Amount	Count
AMC Movie Theatres	AMC Free Parking	03/03/2022	-$2.00	2

Entry Date	Payment Date	Trans Type	Trans ID	Ticket	Rate	Device Name	Gross	Net	Val Amount	Count
3/3/2022 16:37	3/3/2022 16:43	Payment	1573309	74c831d6fb03	Daily Rate	Aria - Cash	$1.00	$0.00	-$1.00	1
		Applied By: Susie Campbell								
3/3/2022 17:23	3/3/2022 17:32	Payment	1573317	a45ee51bdf15	Daily Rate	Aria - Cash	$1.00	$0.00	-$1.00	1
		Applied By: Susie Campbell								

AMC Movie Theatres - Validation Totals
Number of validations: 6
Amount of validations: -$53.00

Statistics & Analytics Reports

Duration of Stay Report

Report Scope:

The Duration of Stay Report provides users with duration information for all paid parking stays for a facility broken down into preset time categories. Facility operators can run this report to show duration detail for three different parker types: Transient (ticket), Monthly (access), and Prepaid (QR code/barcode). The report shows the transaction counts, percentage of transactions, revenue amount (gross/net) and percentage revenue amount (gross/net) for each time category.

This report is a useful management tool for facility operators who are tasked with projecting future parking volume and activity, budgeting and adjusting parking rates and validation offerings, and predicting future traffic patterns.

With the option to run the report showing either gross or net fee amounts, the operator can compare the total and average gross/net rate fee amounts when making rate and budget decisions about future validation offerings.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report date/time range, the facility, and credential activity types: Transient Activity, Monthly Activity or Prepaid Activity. The report pages are numbered. The report parameters/filters are shown on the top left as well.

This report displays the following data with headers: Time Categories (from and to), Transaction Count, % of Total Transactions, Gross/Net Amount, % of Total Amount, Average Gross/Net Amount (The last three columns show only for the Transient Activity page only).

Report totals for each column show at the bottom and the overall average gross/net rate is shown on the bottom right of the report.

Report Filtering:

The user can filter the data by selecting options from drop-down style lists. Parameters that can be filtered in this way include Credential Type, Device Name, and Access Group (this last option applies only to Monthly Activity). The user can also choose to show the report output by gross or net fee amounts.

For the Transient Activity page, the user can choose to display the total and average revenue amounts as gross or net.

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Duration of Stay Report (Cont'd)

Report Sample (Transient Activity Page):

Duration Report

Page 1 of 4

Created on 03/24/2022 12:46 **Report Dates: 01/01/21 00:00 - 12/31/21 23:59**

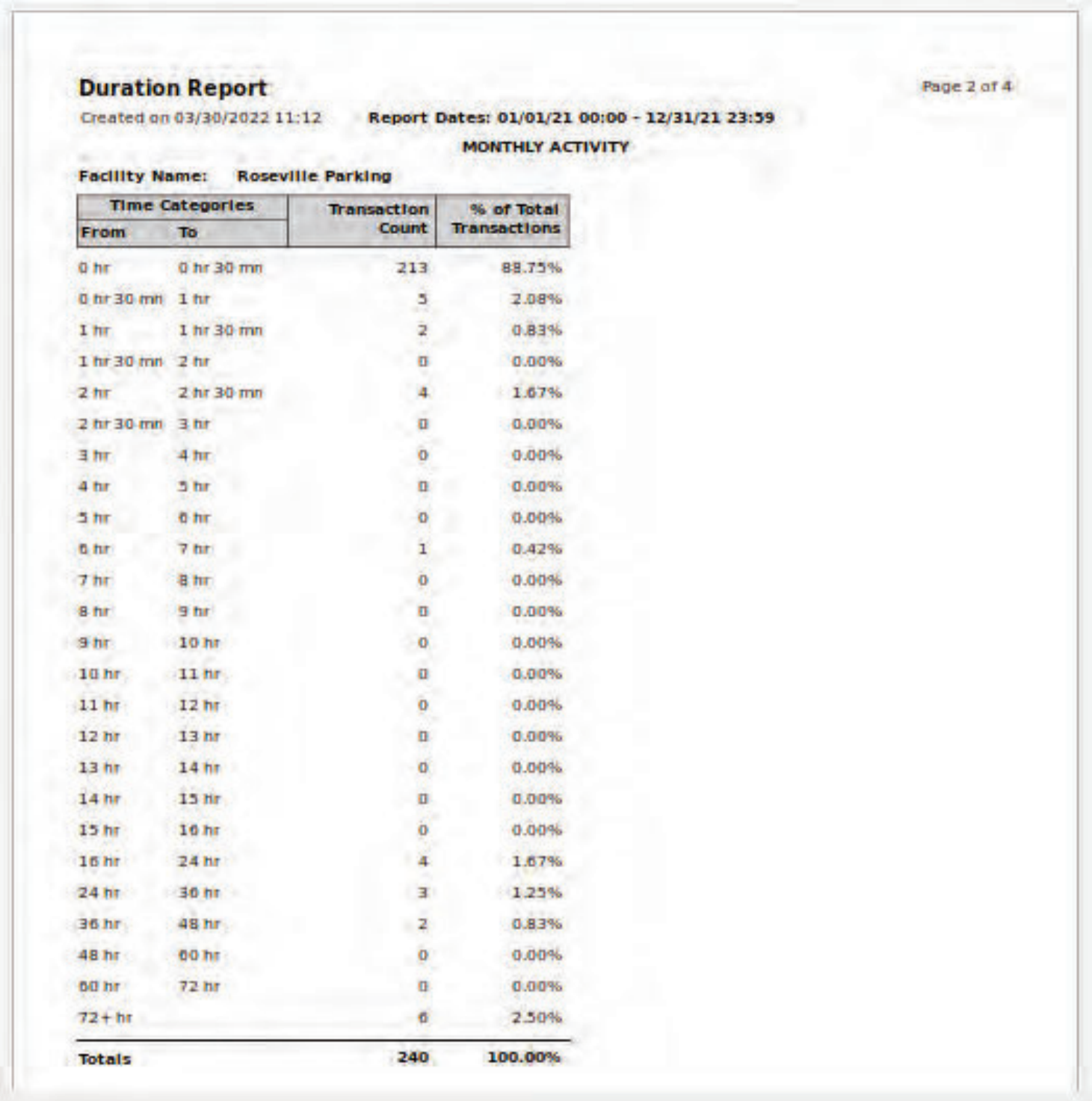
TRANSIENT ACTIVITY

Facility Name: **Roseville Parking**

Time Categories		Transaction Count	% of Total Transactions	Net Amount	% of Total Amount	Average Net Amount
From	To					
0 hr	0 hr 30 mn	192	48.12%	$530.00	13.25%	$2.76
0 hr 30 mn	1 hr	26	6.52%	$608.00	15.20%	$23.38
1 hr	1 hr 30 mn	18	4.51%	$193.50	4.84%	$10.75
1 hr 30 mn	2 hr	11	2.76%	$11.00	0.28%	$1.00
2 hr	2 hr 30 mn	6	1.50%	$13.00	0.33%	$2.17
2 hr 30 mn	3 hr	11	2.76%	$21.00	0.53%	$1.91
3 hr	4 hr	21	5.26%	$20.00	0.50%	$0.95
4 hr	5 hr	2	0.50%	$7.00	0.18%	$3.50
5 hr	6 hr	0	0.00%	$0.00	0.00%	$0.00
6 hr	7 hr	1	0.25%	$381.00	9.53%	$381.00
7 hr	8 hr	1	0.25%	$0.00	0.00%	$0.00
8 hr	9 hr	0	0.00%	$0.00	0.00%	$0.00
9 hr	10 hr	0	0.00%	$0.00	0.00%	$0.00
10 hr	11 hr	0	0.00%	$0.00	0.00%	$0.00
11 hr	12 hr	0	0.00%	$0.00	0.00%	$0.00
12 hr	13 hr	0	0.00%	$0.00	0.00%	$0.00
13 hr	14 hr	0	0.00%	$0.00	0.00%	$0.00
14 hr	15 hr	0	0.00%	$0.00	0.00%	$0.00
15 hr	16 hr	2	0.50%	$0.00	0.00%	$0.00
16 hr	24 hr	32	8.02%	$189.00	4.73%	$5.91
24 hr	36 hr	23	5.76%	$444.00	11.10%	$19.30
36 hr	48 hr	5	1.25%	$12.00	0.30%	$2.40
48 hr	60 hr	4	1.00%	$52.50	1.31%	$13.13
60 hr	72 hr	1	0.25%	$0.00	0.00%	$0.00
72+ hr		43	10.78%	$1518.00	37.95%	$35.30
Totals		**399**	**100.00%**	**$4000.00**	**100.00%**	**$10.03**

Duration of Stay Report (Cont'd)

Report Sample (Monthly Activity



Duration Report

Page 2 of 4

Created on 03/30/2022 11:12 **Report Dates: 01/01/21 00:00 - 12/31/21 23:59**

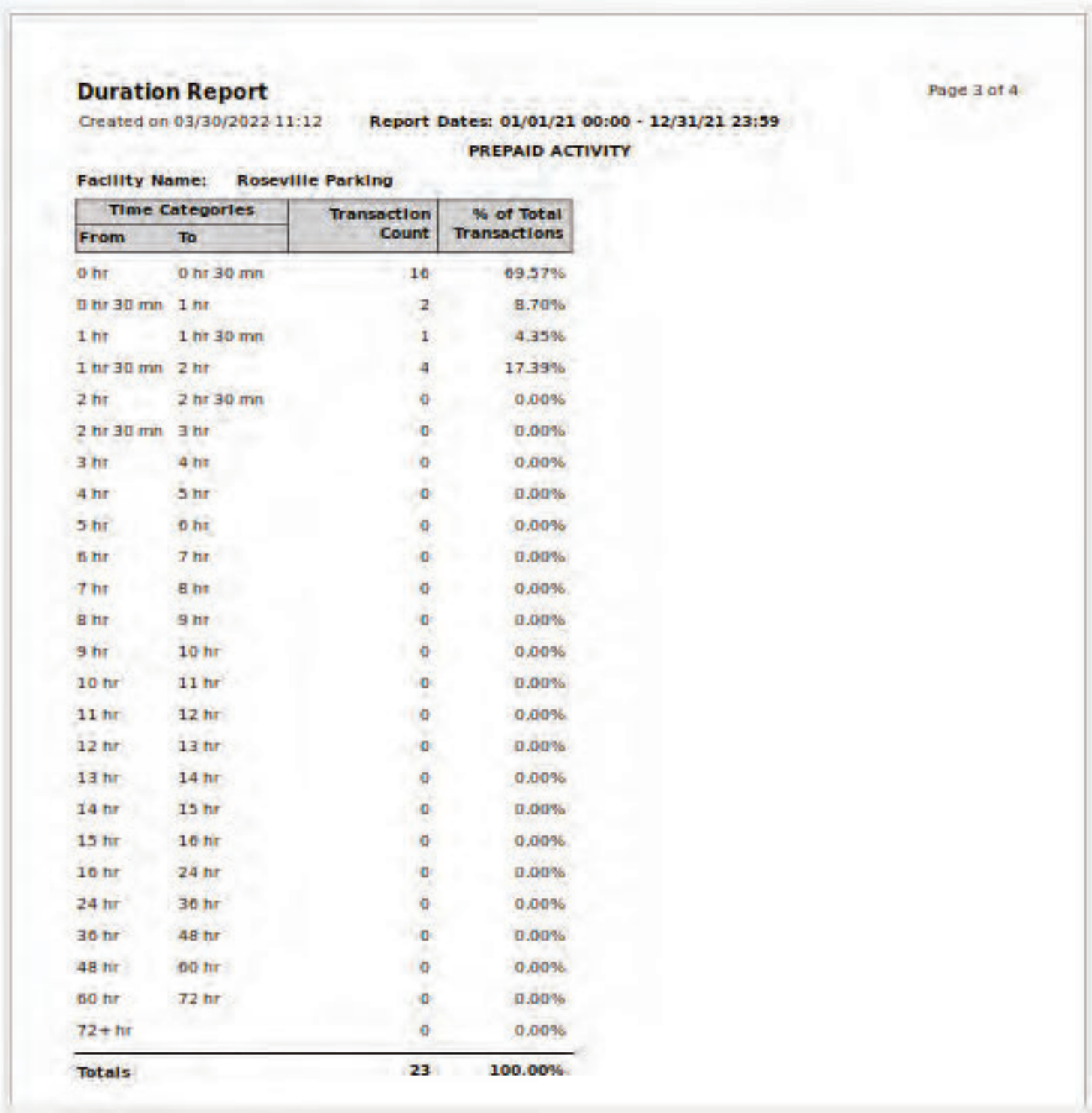
MONTHLY ACTIVITY

Facility Name: Roseville Parking

Time Categories		Transaction Count	% of Total Transactions
From	To		
0 hr	0 hr 30 mn	213	88.75%
0 hr 30 mn	1 hr	5	2.08%
1 hr	1 hr 30 mn	2	0.83%
1 hr 30 mn	2 hr	0	0.00%
2 hr	2 hr 30 mn	4	1.67%
2 hr 30 mn	3 hr	0	0.00%
3 hr	4 hr	0	0.00%
4 hr	5 hr	0	0.00%
5 hr	6 hr	0	0.00%
6 hr	7 hr	1	0.42%
7 hr	8 hr	0	0.00%
8 hr	9 hr	0	0.00%
9 hr	10 hr	0	0.00%
10 hr	11 hr	0	0.00%
11 hr	12 hr	0	0.00%
12 hr	13 hr	0	0.00%
13 hr	14 hr	0	0.00%
14 hr	15 hr	0	0.00%
15 hr	16 hr	0	0.00%
16 hr	24 hr	4	1.67%
24 hr	36 hr	3	1.25%
36 hr	48 hr	2	0.83%
48 hr	60 hr	0	0.00%
60 hr	72 hr	0	0.00%
72+ hr		6	2.50%
Totals		**240**	**100.00%**

Duration of Stay Report (Cont'd) **Report**

Sample (Prepaid Activity Page):



Duration Report

Page 3 of 4

Created on 03/30/2022 11:12 **Report Dates: 01/01/21 00:00 - 12/31/21 23:59**

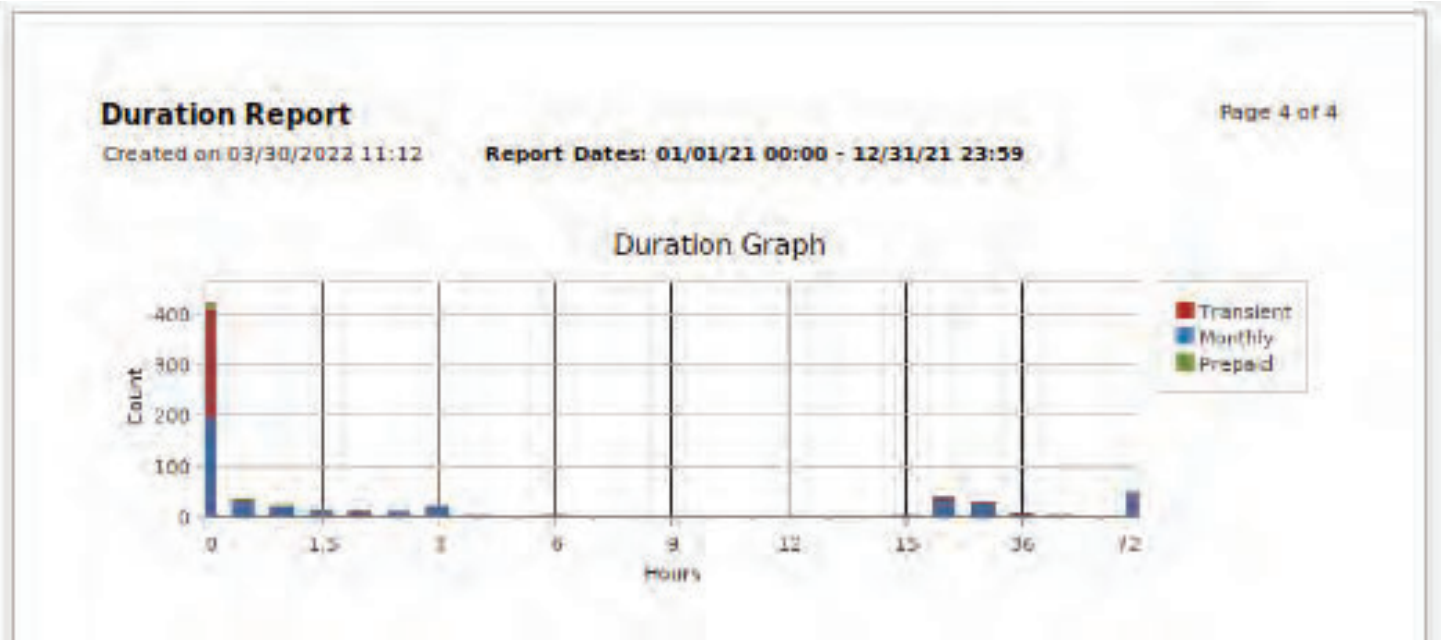
PREPAID ACTIVITY

Facility Name: Roseville Parking

Time Categories		Transaction Count	% of Total Transactions
From	To		
0 hr	0 hr 30 mn	16	69.57%
0 hr 30 mn	1 hr	2	8.70%
1 hr	1 hr 30 mn	1	4.35%
1 hr 30 mn	2 hr	4	17.39%
2 hr	2 hr 30 mn	0	0.00%
2 hr 30 mn	3 hr	0	0.00%
3 hr	4 hr	0	0.00%
4 hr	5 hr	0	0.00%
5 hr	6 hr	0	0.00%
6 hr	7 hr	0	0.00%
7 hr	8 hr	0	0.00%
8 hr	9 hr	0	0.00%
9 hr	10 hr	0	0.00%
10 hr	11 hr	0	0.00%
11 hr	12 hr	0	0.00%
12 hr	13 hr	0	0.00%
13 hr	14 hr	0	0.00%
14 hr	15 hr	0	0.00%
15 hr	16 hr	0	0.00%
16 hr	24 hr	0	0.00%
24 hr	36 hr	0	0.00%
36 hr	48 hr	0	0.00%
48 hr	60 hr	0	0.00%
60 hr	72 hr	0	0.00%
72+ hr		0	0.00%
Totals		**23**	**100.00%**

Duration of Stay Report (Cont'd) **Report**

Sample (Summary Graph Page):



Entry Exit Report

Report Scope:

The Entry Exit Report provides users with duration information for all paid parking stays for a facility broken down into preset time categories. Facility operators can run this report to show duration detail for three different parker types: Transient (ticket), Monthly (access), and Prepaid (QR code/barcode).

This report is a useful management tool for facility operators who are tasked with projecting future parking volume and activity, budgeting and adjusting parking rates and validation offerings, and predicting future traffic patterns.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report date/time range, the facility, and credential activity types: Transient Activity, Monthly Activity or Prepaid Activity. The report pages are numbered. The report parameters/filters are shown on the top left as well.

This report displays the following data with headers: Time Categories (from and to), Transaction Count, % of Total Transactions, Gross/Net Amount, % of Total Amount, Average Gross/Net Amount (The last three columns show only for the Transient Activity page only).

The Occupied Spaces and % Full columns show data and are applicable only when the report is run for a single day. When the report is run over multiple days, occupancy would not apply.

Report Filtering:

The user can filter the data by selecting options from drop-down style lists. Parameters that can be filtered in this way include Credential Type, Device Name, and Access Group (this last option applies only to Monthly Activity).

For the Transient Activity page, the user can choose to display the total and average revenue amounts as gross or net.

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample (Transient Activity Page):

Entry Exit Report

Created on 03/31/2022 11:23

Report Dates: 01/12/22 00:00 - 01/12/22 23:59

TRANSIENT ACTIVITY

Available Spaces: 100

Manual Space Count at Start: 25

Facility Name: Roseville Parking

Time Interval	Entry Vehicles	%	Exit Vehicles	%	Occupied Spaces	% Full
0:00 - 0:59	0	0.00%	0	0.00%	25	25.00%
1:00 - 1:59	0	0.00%	0	0.00%	25	25.00%
2:00 - 2:59	0	0.00%	0	0.00%	25	25.00%
3:00 - 3:59	0	0.00%	0	0.00%	25	25.00%
4:00 - 4:59	0	0.00%	0	0.00%	25	25.00%
5:00 - 5:59	0	0.00%	0	0.00%	25	25.00%
6:00 - 6:59	0	0.00%	0	0.00%	25	25.00%
7:00 - 7:59	0	0.00%	0	0.00%	25	25.00%
8:00 - 8:59	0	0.00%	0	0.00%	25	25.00%
9:00 - 9:59	0	0.00%	0	0.00%	25	25.00%
10:00 - 10:59	0	0.00%	0	0.00%	25	25.00%
11:00 - 11:59	0	0.00%	0	0.00%	25	25.00%
12:00 - 12:59	0	0.00%	0	0.00%	25	25.00%
13:00 - 13:59	9	52.94%	0	0.00%	34	34.00%
14:00 - 14:59	8	47.06%	0	0.00%	42	42.00%
15:00 - 15:59	0	0.00%	12	60.00%	30	30.00%
16:00 - 16:59	0	0.00%	8	40.00%	22	22.00%
17:00 - 17:59	0	0.00%	0	0.00%	22	22.00%
18:00 - 18:59	0	0.00%	0	0.00%	22	22.00%
19:00 - 19:59	0	0.00%	0	0.00%	22	22.00%
20:00 - 20:59	0	0.00%	0	0.00%	22	22.00%
21:00 - 21:59	0	0.00%	0	0.00%	22	22.00%
22:00 - 22:59	0	0.00%	0	0.00%	22	22.00%
23:00 - 23:59	0	0.00%	0	0.00%	22	22.00%
Totals	**17**		**20**			

Minimum number of entries: 0 Minimum number of exits: 0

Maximum number of entries: 9 Maximum number of exits: 12

Report Sample (Monthly Activity Page):

Entry Exit Report

Created on 03/31/2022 11:23 **Report Dates: 01/12/22 00:00 - 01/12/22 23:59**

MONTHLY ACTIVITY

Available Spaces: 100

Manual Space Count at Start: 75

Facility Name: Roseville Parking

Time Interval	Entry Vehicles	%	Exit Vehicles	%	Occupied Spaces	% Full
0:00 - 0:59	0	0.00%	0	0.00%	75	75.00%
1:00 - 1:59	0	0.00%	0	0.00%	75	75.00%
2:00 - 2:59	0	0.00%	0	0.00%	75	75.00%
3:00 - 3:59	0	0.00%	0	0.00%	75	75.00%
4:00 - 4:59	0	0.00%	0	0.00%	75	75.00%
5:00 - 5:59	0	0.00%	0	0.00%	75	75.00%
6:00 - 6:59	0	0.00%	0	0.00%	75	75.00%
7:00 - 7:59	0	0.00%	0	0.00%	75	75.00%
8:00 - 8:59	0	0.00%	0	0.00%	75	75.00%
9:00 - 9:59	0	0.00%	0	0.00%	75	75.00%
10:00 - 10:59	0	0.00%	0	0.00%	75	75.00%
11:00 - 11:59	0	0.00%	0	0.00%	75	75.00%
12:00 - 12:59	0	0.00%	0	0.00%	75	75.00%
13:00 - 13:59	1	100.00%	0	0.00%	76	76.00%
14:00 - 14:59	0	0.00%	0	0.00%	76	76.00%
15:00 - 15:59	0	0.00%	3	42.86%	73	73.00%
16:00 - 16:59	0	0.00%	4	57.14%	69	69.00%
17:00 - 17:59	0	0.00%	0	0.00%	69	69.00%
18:00 - 18:59	0	0.00%	0	0.00%	69	69.00%
19:00 - 19:59	0	0.00%	0	0.00%	69	69.00%
20:00 - 20:59	0	0.00%	0	0.00%	69	69.00%
21:00 - 21:59	0	0.00%	0	0.00%	69	69.00%
22:00 - 22:59	0	0.00%	0	0.00%	69	69.00%
23:00 - 23:59	0	0.00%	0	0.00%	69	69.00%
Totals	**1**		**7**			

Minimum number of entries: 0 Minimum number of exits: 0

Maximum number of entries: 1 Maximum number of exits: 4

Report Sample (Prepaid Activity Page):

Entry Exit Report

Created on 03/31/2022 11:23

Report Dates: 01/12/22 00:00 - 01/12/22 23:59

PREPAID ACTIVITY

Available Spaces: 100

Manual Space Count at Start: 2

Facility Name: Roseville Parking

Time Interval	Entry Vehicles	%	Exit Vehicles	%	Occupied Spaces	% Full
0:00 - 0:59	0	0.00%	0	0.00%	2	2.00%
1:00 - 1:59	0	0.00%	0	0.00%	2	2.00%
2:00 - 2:59	0	0.00%	0	0.00%	2	2.00%
3:00 - 3:59	0	0.00%	0	0.00%	2	2.00%
4:00 - 4:59	0	0.00%	0	0.00%	2	2.00%
5:00 - 5:59	0	0.00%	0	0.00%	2	2.00%
6:00 - 6:59	0	0.00%	0	0.00%	2	2.00%
7:00 - 7:59	0	0.00%	0	0.00%	2	2.00%
8:00 - 8:59	0	0.00%	0	0.00%	2	2.00%
9:00 - 9:59	0	0.00%	0	0.00%	2	2.00%
10:00 - 10:59	0	0.00%	0	0.00%	2	2.00%
11:00 - 11:59	0	0.00%	0	0.00%	2	2.00%
12:00 - 12:59	0	0.00%	0	0.00%	2	2.00%
13:00 - 13:59	2	50.00%	2	33.33%	2	2.00%
14:00 - 14:59	2	50.00%	2	33.33%	2	2.00%
15:00 - 15:59	0	0.00%	0	0.00%	2	2.00%
16:00 - 16:59	0	0.00%	2	33.33%	0	0.00%
17:00 - 17:59	0	0.00%	0	0.00%	0	0.00%
18:00 - 18:59	0	0.00%	0	0.00%	0	0.00%
19:00 - 19:59	0	0.00%	0	0.00%	0	0.00%
20:00 - 20:59	0	0.00%	0	0.00%	0	0.00%
21:00 - 21:59	0	0.00%	0	0.00%	0	0.00%
22:00 - 22:59	0	0.00%	0	0.00%	0	0.00%
23:00 - 23:59	0	0.00%	0	0.00%	0	0.00%
Totals	**4**		**6**			

Minimum number of entries: 0

Minimum number of exits: 0

Maximum number of entries: 2

Maximum number of exits: 2

Report Sample (Total Activity Page):

Entry Exit Report

Created on 03/31/2022 11:23 **Report Dates: 01/12/22 00:00 - 01/12/22 23:59**

ALL ACTIVITY

Available Spaces: 300

Total Spaces Occupied at Start: 102

Facility Name: Roseville Parking

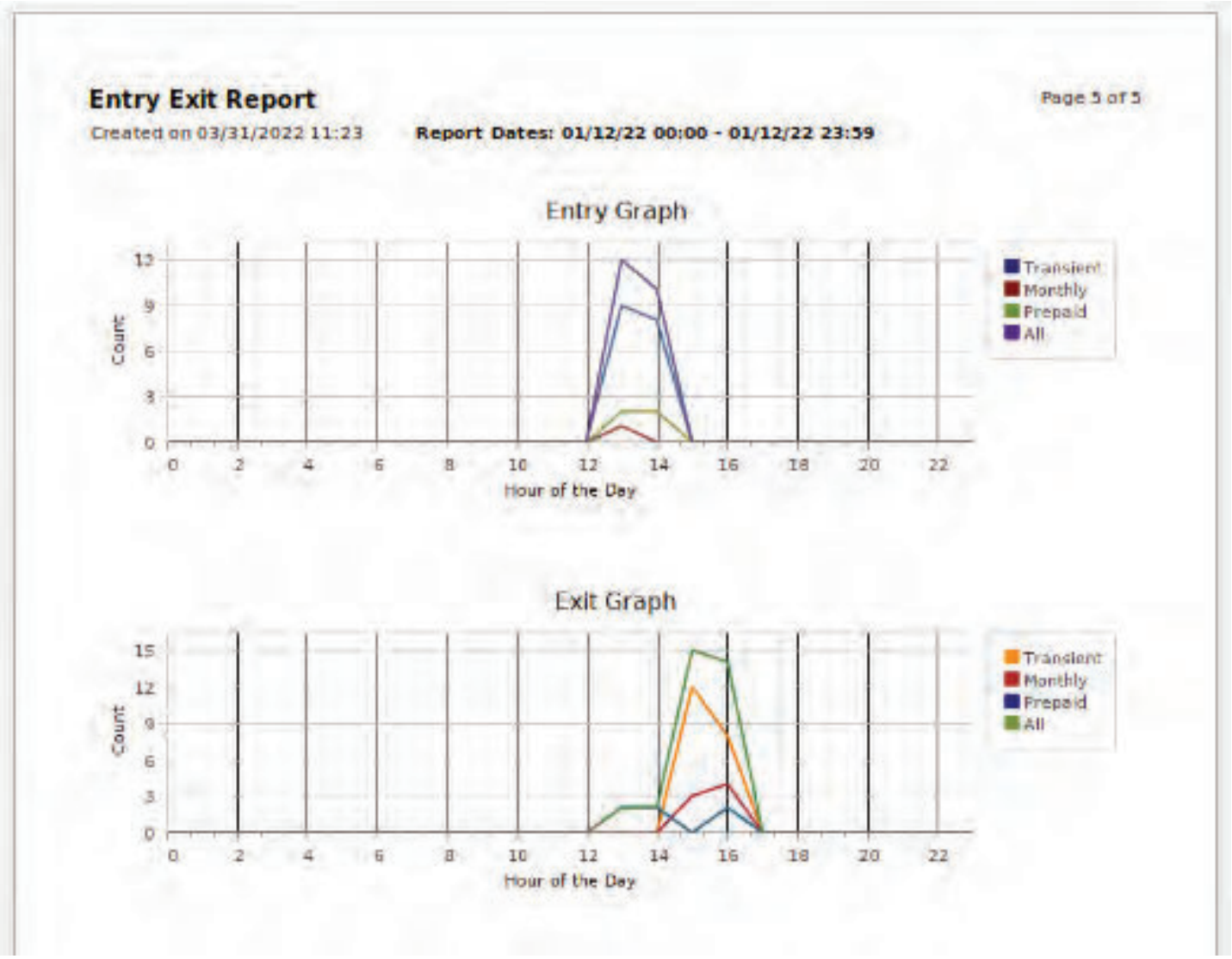
Time Interval	Entry Vehicles	%	Exit Vehicles	%	Occupied Spaces	% Full
0:00 - 0:59	0	0.00%	0	0.00%	102	34.00%
1:00 - 1:59	0	0.00%	0	0.00%	102	34.00%
2:00 - 2:59	0	0.00%	0	0.00%	102	34.00%
3:00 - 3:59	0	0.00%	0	0.00%	102	34.00%
4:00 - 4:59	0	0.00%	0	0.00%	102	34.00%
5:00 - 5:59	0	0.00%	0	0.00%	102	34.00%
6:00 - 6:59	0	0.00%	0	0.00%	102	34.00%
7:00 - 7:59	0	0.00%	0	0.00%	102	34.00%
8:00 - 8:59	0	0.00%	0	0.00%	102	34.00%
9:00 - 9:59	0	0.00%	0	0.00%	102	34.00%
10:00 - 10:59	0	0.00%	0	0.00%	102	34.00%
11:00 - 11:59	0	0.00%	0	0.00%	102	34.00%
12:00 - 12:59	0	0.00%	0	0.00%	102	34.00%
13:00 - 13:59	12	54.55%	2	6.06%	112	37.33%
14:00 - 14:59	10	45.45%	2	6.06%	120	40.00%
15:00 - 15:59	0	0.00%	15	45.45%	105	35.00%
16:00 - 16:59	0	0.00%	14	42.42%	91	30.33%
17:00 - 17:59	0	0.00%	0	0.00%	91	30.33%
18:00 - 18:59	0	0.00%	0	0.00%	91	30.33%
19:00 - 19:59	0	0.00%	0	0.00%	91	30.33%
20:00 - 20:59	0	0.00%	0	0.00%	91	30.33%
21:00 - 21:59	0	0.00%	0	0.00%	91	30.33%
22:00 - 22:59	0	0.00%	0	0.00%	91	30.33%
23:00 - 23:59	0	0.00%	0	0.00%	91	30.33%
Totals	**22**		**33**			

Minimum number of entries: 0 Minimum number of exits: 0

Maximum number of entries: 12 Maximum number of exits: 15

Entry Exit Report (Cont'd)

Report Sample (Graph Page):



Parking Fee Report

Report Scope:

The Parking Fee Report provides users with net/gross rate information for all paid parking stays for a facility broken down into preset rate categories. Facility operators can run this report to show rate detail for each preset rate category. The report shows the transaction counts, percentage of transactions, and gross/net fee amount and percentage gross/net revenue amount for each time category.

This report is a useful management tool for facility operators who are tasked with projecting future parking volume and activity, budgeting and adjusting parking rates and validation offerings, and predicting future traffic patterns.

With the option to run the report showing either gross or net fee amounts, the operator has the can compare the total and average gross/net rate fee amounts when making rate and budget decisions about future validation offerings.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report date/time range, and the facility name. The report pages are numbered. The report parameters/filters are shown on the top left as well.

This report displays the following data with headers: Dollar Amounts, Transaction Count, % of Total Transactions, Gross/Net Amount, % of Total Amount, and Average Gross/Net Amount.

Report totals for each column show at the bottom and the overall average gross/net rate is shown on the bottom right of the report.

Report Filtering:

The user can filter the data by selecting options from drop-down style lists for Device Name. The user can also choose to show the report output by gross or net fee amounts.

Report Sorting:

Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample (by Net Fee):

Parking Fee Report

Created on 04/01/2022 09:20 **Report Dates: 01/01/22 00:00 - 04/30/22 23:59**

Facility Name: Roseville Parking

Dollar Amounts	Transaction Count	% of Total Transactions	Net Amount	% of Total Amount	Average Net Amount
$0.00 - $0.00	41	24.85%	$0.00	0.00%	$0.00
$0.01 - $0.99	1	0.61%	$0.50	0.04%	$0.50
$1.00 - $1.99	91	55.15%	$91.00	7.77%	$1.00
$2.00 - $2.99	10	6.06%	$20.00	1.71%	$2.00
$3.00 - $3.99	2	1.21%	$6.00	0.51%	$3.00
$4.00 - $4.99	0	0.00%	$0.00	0.00%	$0.00
$5.00 - $5.99	0	0.00%	$0.00	0.00%	$0.00
$6.00 - $6.99	0	0.00%	$0.00	0.00%	$0.00
$7.00 - $7.99	4	2.42%	$28.00	2.39%	$7.00
$8.00 - $8.99	0	0.00%	$0.00	0.00%	$0.00
$9.00 - $9.99	0	0.00%	$0.00	0.00%	$0.00
$10.00 - $10.99	0	0.00%	$0.00	0.00%	$0.00
$11.00 - $11.99	0	0.00%	$0.00	0.00%	$0.00
$12.00 - $12.99	0	0.00%	$0.00	0.00%	$0.00
$13.00 - $13.99	2	1.21%	$26.00	2.22%	$13.00
$14.00 - $14.99	6	3.64%	$84.00	7.17%	$14.00
$15.00 - $19.99	0	0.00%	$0.00	0.00%	$0.00
$20.00 - $24.99	0	0.00%	$0.00	0.00%	$0.00
$25.00 - $29.99	1	0.61%	$27.00	2.30%	$27.00
$30.00 - $34.99	0	0.00%	$0.00	0.00%	$0.00
$35.00 - $39.99	0	0.00%	$0.00	0.00%	$0.00
$40.00 - $44.99	1	0.61%	$42.00	3.59%	$42.00
$45.00 - $49.99	0	0.00%	$0.00	0.00%	$0.00
$50.00 - $99.99	0	0.00%	$0.00	0.00%	$0.00
$100.00 - $9999.99	6	3.64%	$847.00	72.30%	$141.17
Totals	**165**	**100.00%**	**$1171.50**	**100.00%**	**$7.10**

Report Sample (by Gross Fee):

Parking Fee Report

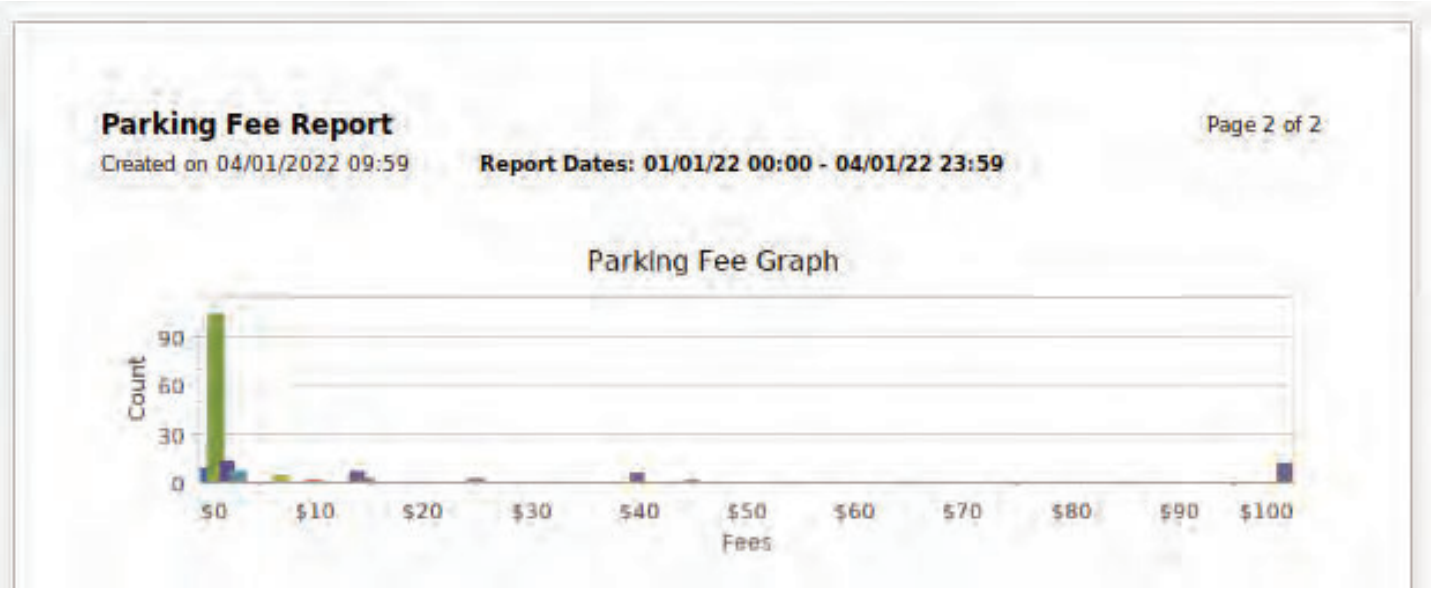
Created on 04/01/2022 09:20 **Report Dates: 01/01/22 00:00 - 04/30/22 23:59**

Facility Name: Roseville Parking

Dollar Amounts	Transaction Count	% of Total Transactions	Gross Amount	% of Total Amount	Average Gross Amount
$0.00 - $0.00	9	5.45%	$0.00	0.00%	$0.00
$0.01 - $0.99	0	0.00%	$0.00	0.00%	$0.00
$1.00 - $1.99	104	63.03%	$104.00	3.87%	$1.00
$2.00 - $2.99	13	7.88%	$26.00	0.97%	$2.00
$3.00 - $3.99	6	3.64%	$18.00	0.67%	$3.00
$4.00 - $4.99	0	0.00%	$0.00	0.00%	$0.00
$5.00 - $5.99	0	0.00%	$0.00	0.00%	$0.00
$6.00 - $6.99	0	0.00%	$0.00	0.00%	$0.00
$7.00 - $7.99	4	2.42%	$28.00	1.04%	$7.00
$8.00 - $8.99	0	0.00%	$0.00	0.00%	$0.00
$9.00 - $9.99	0	0.00%	$0.00	0.00%	$0.00
$10.00 - $10.99	1	0.61%	$10.00	0.37%	$10.00
$11.00 - $11.99	0	0.00%	$0.00	0.00%	$0.00
$12.00 - $12.99	0	0.00%	$0.00	0.00%	$0.00
$13.00 - $13.99	0	0.00%	$0.00	0.00%	$0.00
$14.00 - $14.99	6	3.64%	$84.00	3.13%	$14.00
$15.00 - $19.99	2	1.21%	$30.00	1.12%	$15.00
$20.00 - $24.99	0	0.00%	$0.00	0.00%	$0.00
$25.00 - $29.99	2	1.21%	$56.00	2.08%	$28.00
$30.00 - $34.99	0	0.00%	$0.00	0.00%	$0.00
$35.00 - $39.99	0	0.00%	$0.00	0.00%	$0.00
$40.00 - $44.99	5	3.03%	$210.00	7.82%	$42.00
$45.00 - $49.99	1	0.61%	$49.00	1.82%	$49.00
$50.00 - $99.99	0	0.00%	$0.00	0.00%	$0.00
$100.00 - $9999.99	12	7.27%	$2072.00	77.11%	$172.67
Totals	**165**	**100.00%**	**$2687.00**	**100.00%**	**$16.28**

Parking Fee Report (Cont'd)

Report Sample (Graph Page):



System & Operations Reports

Alarms & Alerts Report

Report Scope:

The Alarms & Alerts Report provides users with detail from device/system alarms and alerts that were generated for a facility during a specified period of time. The report shows the time and date of an alarm/alert and when it was created (started), acknowledged, and closed (ended), who claimed an alarm/alert, and its status (not claimed/claimed/closed).

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report date/time range, the facility name, and the total number of records (alarms/alerts). The report pages are numbered. The report parameters/filters are shown on the top left as well.

This report displays the following data with headers: Alarm/Alert, Device Name, Start Time, Acknowledge Time, End Time, Status, and Severity.

Report Filtering:

The user can filter data in several ways: manual input parameter or select from a drop-down style list. The parameters that are selectable from drop-down style lists are Device Name, Status, and Severity. The user can choose one, some, or all parameters from the lists.

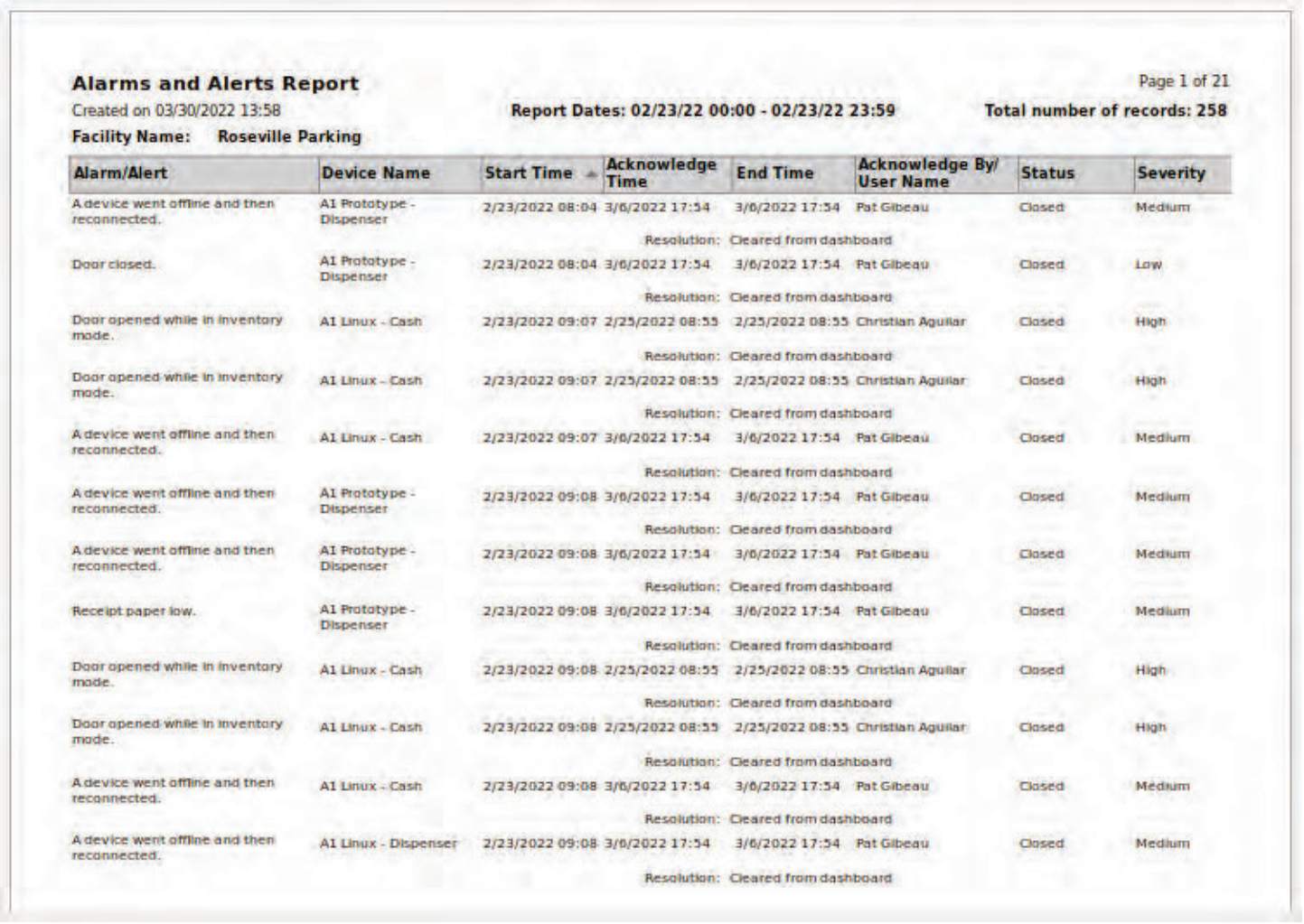
The parameters that require the user to manually enter options are Alarm/Alert, First Name (of person who claimed alarm/alert), and Last Name (of person who claimed alarm/alert).

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Alarms & Alerts Report (Cont'd)

Report Sample:



Alarms and Alerts Report

Page 1 of 21

Created on 03/30/2022 13:58

Report Dates: 02/23/22 00:00 - 02/23/22 23:59

Total number of records: 258

Facility Name: Roseville Parking

Alarm/Alert	Device Name	Start Time	Acknowledge Time	End Time	Acknowledge By/ User Name	Status	Severity
A device went offline and then reconnected.	A1 Prototype - Dispenser	2/23/2022 08:04	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					
Door closed.	A1 Prototype - Dispenser	2/23/2022 08:04	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Low
		Resolution: Cleared from dashboard					
Door opened while in inventory mode.	A1 Linux - Cash	2/23/2022 09:07	2/25/2022 08:55	2/25/2022 08:55	Christian Aguilar	Closed	High
		Resolution: Cleared from dashboard					
Door opened while in inventory mode.	A1 Linux - Cash	2/23/2022 09:07	2/25/2022 08:55	2/25/2022 08:55	Christian Aguilar	Closed	High
		Resolution: Cleared from dashboard					
A device went offline and then reconnected.	A1 Linux - Cash	2/23/2022 09:07	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					
A device went offline and then reconnected.	A1 Prototype - Dispenser	2/23/2022 09:08	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					
A device went offline and then reconnected.	A1 Prototype - Dispenser	2/23/2022 09:08	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					
Receipt paper low.	A1 Prototype - Dispenser	2/23/2022 09:08	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					
Door opened while in inventory mode.	A1 Linux - Cash	2/23/2022 09:08	2/25/2022 08:55	2/25/2022 08:55	Christian Aguilar	Closed	High
		Resolution: Cleared from dashboard					
Door opened while in inventory mode.	A1 Linux - Cash	2/23/2022 09:08	2/25/2022 08:55	2/25/2022 08:55	Christian Aguilar	Closed	High
		Resolution: Cleared from dashboard					
A device went offline and then reconnected.	A1 Linux - Cash	2/23/2022 09:08	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					
A device went offline and then reconnected.	A1 Linux - Dispenser	2/23/2022 09:08	3/6/2022 17:54	3/6/2022 17:54	Pat Gibeau	Closed	Medium
		Resolution: Cleared from dashboard					

Call Center Report

Report Scope:

The Call Center Report provides facility operators with detail for all call center activity for a facility. The report includes information about the call, device, user, and any actions taken.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report date/time range, the facility name, and in a summary section on the top right, the following details are displayed: all calls, total completed calls, total call time, and average call time. The report pages are numbered. The report parameters/filters are shown on the top left as well.

This report displays the following data with headers: Call Started, Call Answered, Call Ended, Duration, Device Name, Facility Name, Username and Cancelled.

Report Filtering:

The user can filter data in several ways: manual input parameter or select from a drop-down style list. The parameters that are selectable from drop-down style lists are Device Name and Action. The user can select one, some, or all parameters from the lists.

The parameters that require the user to manually enter options are First Name (username), and Last Name (username).

The action taken and the resolution show in line directly below each transaction.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Call Center Report (Cont'd)

Report Sample:

Call Center Report

Page 1 of 1

Created on 04/01/2022 11:16

Report Dates: 01/13/22 00:00 - 01/14/22 23:59

Total number of calls: 8
Total completed calls: 6
Total call time: 20 Hr 42 Min 16 Sec
Average call time: 207 Min 2 Sec

Facility Name: **Roseville Parking**

Call Started	Call Answered	Call Ended	Duration (mm:ss)	Device Name	Facility Name	User Name	Cancelled
1/13/2022 07:55:13	1/13/2022 07:55:24	1/13/2022 07:55:38	0:24	A1 Prototype - Dispenser	Roseville Parking	Christian Aguilar	☐
Resolution: N/A							
1/13/2022 07:55:53	1/13/2022 07:56:00	1/13/2022 07:56:09	0:16	A1 Prototype - Dispenser	Roseville Parking	Christian Aguilar	☐
Resolution: N/A							
1/13/2022 07:56:14	1/13/2022 07:56:32	1/13/2022 07:56:46	0:32	A1 Prototype - Dispenser	Roseville Parking	Christian Aguilar	☐
Resolution: N/A							
1/13/2022 08:12:56	1/13/2022 08:13:14	1/13/2022 08:17:00	4:04	A1 Prototype - Dispenser	Roseville Parking	Christian Aguilar	☐
Resolution: done							
1/13/2022 08:13:33				A1 Prototype - Dispenser	Roseville Parking		☑
1/13/2022 08:14:51				A1 Prototype - Dispenser	Roseville Parking		☑
1/13/2022 15:07:56	1/13/2022 15:08:11	1/13/2022 15:09:03	1:06	Aria CC - Exit	Roseville Parking	Christian Aguilar	☐
Resolution: cycled gate							
Actions: Gate held open							
1/14/2022 12:44:59		1/17/2022 09:00:53	1215:54	A1 Linux - Cash	Roseville Parking	Collin Schulz	☐
Resolution: N/A							

Cash Inventory Report

Report Scope:

The Cash Inventory Report provides facility operators with inventory status for any cash pay station. The report displays the cash contents as well as any actions taken (cash loaded, cash box removed, and inventory requested).

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report date/time range, the facility name, and total inventory actions in the report. The report pages are numbered. The report parameters/filters are shown on the top left as well.

This report displays the following data with headers: Device Name, Drawer Number, Date and Time, Inventory Action, Container Type, Count, and Amount. Each subsection by device inventory action shows the cash box, recycler, and grand totals.

Report Filtering:

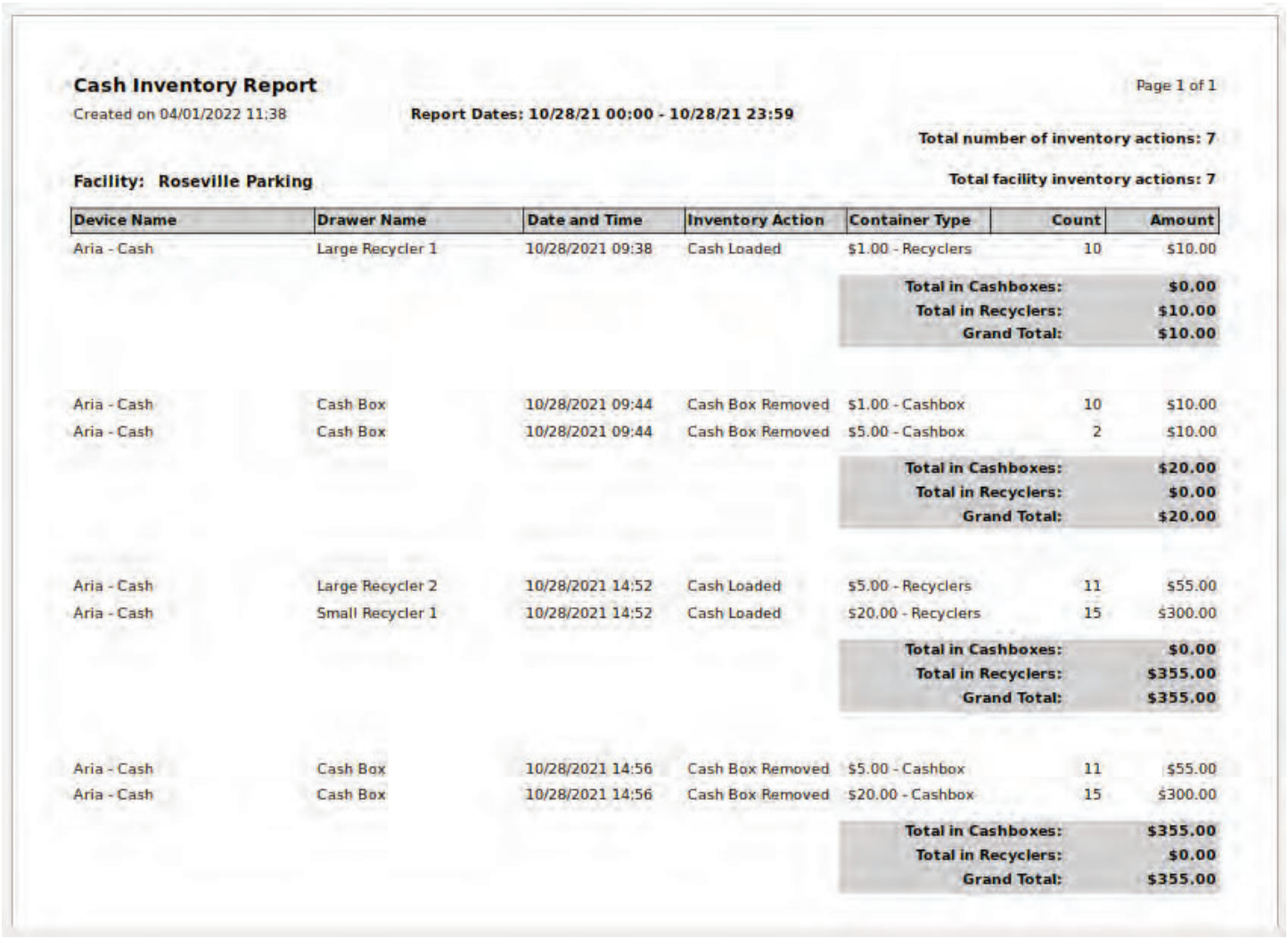
The user can filter data for Device Name and Inventory Action by selecting from a drop-down style lists. The user can select one, some, or all parameters from the lists.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Cash Inventory Report (Cont'd)

Report Sample:



Cash Inventory Report

Page 1 of 1

Created on 04/01/2022 11:38

Report Dates: 10/28/21 00:00 - 10/28/21 23:59

Total number of inventory actions: 7

Facility: Roseville Parking

Total facility inventory actions: 7

Device Name	Drawer Name	Date and Time	Inventory Action	Container Type	Count	Amount
Aria - Cash	Large Recycler 1	10/28/2021 09:38	Cash Loaded	$1.00 - Recyclers	10	$10.00
				Total in Cashboxes:		**$0.00**
				Total in Recyclers:		**$10.00**
				Grand Total:		**$10.00**
Aria - Cash	Cash Box	10/28/2021 09:44	Cash Box Removed	$1.00 - Cashbox	10	$10.00
Aria - Cash	Cash Box	10/28/2021 09:44	Cash Box Removed	$5.00 - Cashbox	2	$10.00
				Total in Cashboxes:		**$20.00**
				Total in Recyclers:		**$0.00**
				Grand Total:		**$20.00**
Aria - Cash	Large Recycler 2	10/28/2021 14:52	Cash Loaded	$5.00 - Recyclers	11	$55.00
Aria - Cash	Small Recycler 1	10/28/2021 14:52	Cash Loaded	$20.00 - Recyclers	15	$300.00
				Total in Cashboxes:		**$0.00**
				Total in Recyclers:		**$355.00**
				Grand Total:		**$355.00**
Aria - Cash	Cash Box	10/28/2021 14:56	Cash Box Removed	$5.00 - Cashbox	11	$55.00
Aria - Cash	Cash Box	10/28/2021 14:56	Cash Box Removed	$20.00 - Cashbox	15	$300.00
				Total in Cashboxes:		**$355.00**
				Total in Recyclers:		**$0.00**
				Grand Total:		**$355.00**

Dispenser Transaction Report

Report Scope:

This report provides transaction level detail of all tickets dispensed at the facility over a designated time period. A system user can run this report to find a ticket, or a sequence of tickets issued at a particular ticket dispenser, or to audit all tickets issued in a facility for a period of time, transaction by transaction.

Report Organization:

At the top of the page are the report title, date the report was generated, report date/time ranges, facility name, and number of records (or tickets) are all listed. Each page is numbered.

The report is headed as follows: Ticket ID, Sequence #, Entrance Date, Exit Date, Ticket Type, Rate, Device Name, and Facility Name. Each column has information about tickets issued (or vaulted) during the report period.

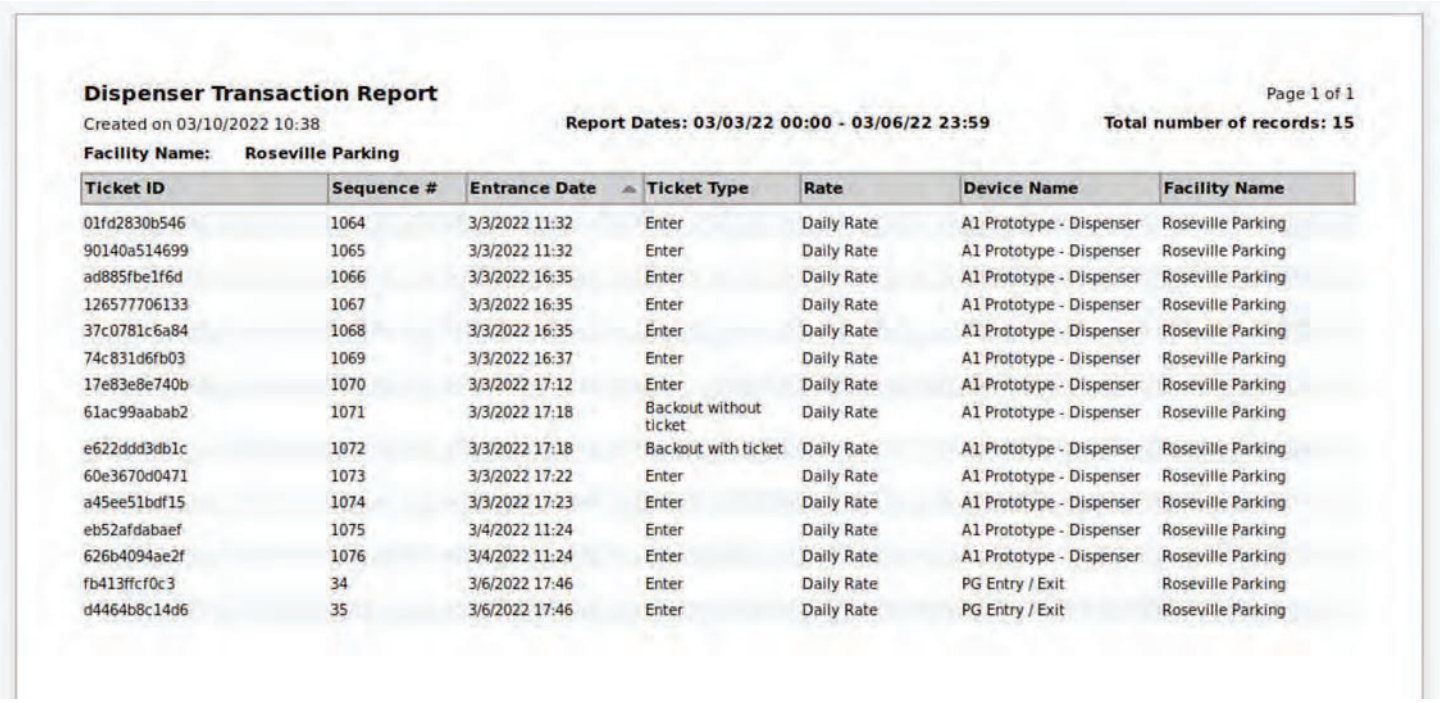
Report Filtering:

The user can filter this report by device name, rate, and ticket type. Each parameter option has drop-down choices so that the user can select one, some, or all options from any of the three filters. The ticket type option includes selections for 'enter', 'backout with ticket', backout without ticket' and 'void'.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Report Sample:



Dispenser Transaction Report

Page 1 of 1

Created on 03/10/2022 10:38 — **Report Dates: 03/03/22 00:00 - 03/06/22 23:59** — **Total number of records: 15**

Facility Name: **Roseville Parking**

Ticket ID	Sequence #	Entrance Date	Ticket Type	Rate	Device Name	Facility Name
01fd2830b546	1064	3/3/2022 11:32	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
90140a514699	1065	3/3/2022 11:32	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
ad885fbe1f6d	1066	3/3/2022 16:35	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
126577706133	1067	3/3/2022 16:35	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
37c0781c6a84	1068	3/3/2022 16:35	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
74c831d6fb03	1069	3/3/2022 16:37	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
17e83e8e740b	1070	3/3/2022 17:12	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
61ac99aabab2	1071	3/3/2022 17:18	Backout without ticket	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
e622ddd3db1c	1072	3/3/2022 17:18	Backout with ticket	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
60e3670d0471	1073	3/3/2022 17:22	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
a45ee51bdf15	1074	3/3/2022 17:23	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
eb52afdabaef	1075	3/4/2022 11:24	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
626b4094ae2f	1076	3/4/2022 11:24	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
fb413ffcf0c3	34	3/6/2022 17:46	Enter	Daily Rate	PG Entry / Exit	Roseville Parking
d4464b8c14d6	35	3/6/2022 17:46	Enter	Daily Rate	PG Entry / Exit	Roseville Parking

Rate Detail Report

Report Scope:

The Rate Detail Report provides facility operators with a detailed breakdown that shows how each facility rate is configured. This report includes audit-level detail.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the facility name, and if only particular rates were selected, those names appear at the top as well. The pages are numbered.

This report displays each rate name along with associated fee schedules and lost ticket fees as well as the grace, lag, and complimentary times that apply to each rate.

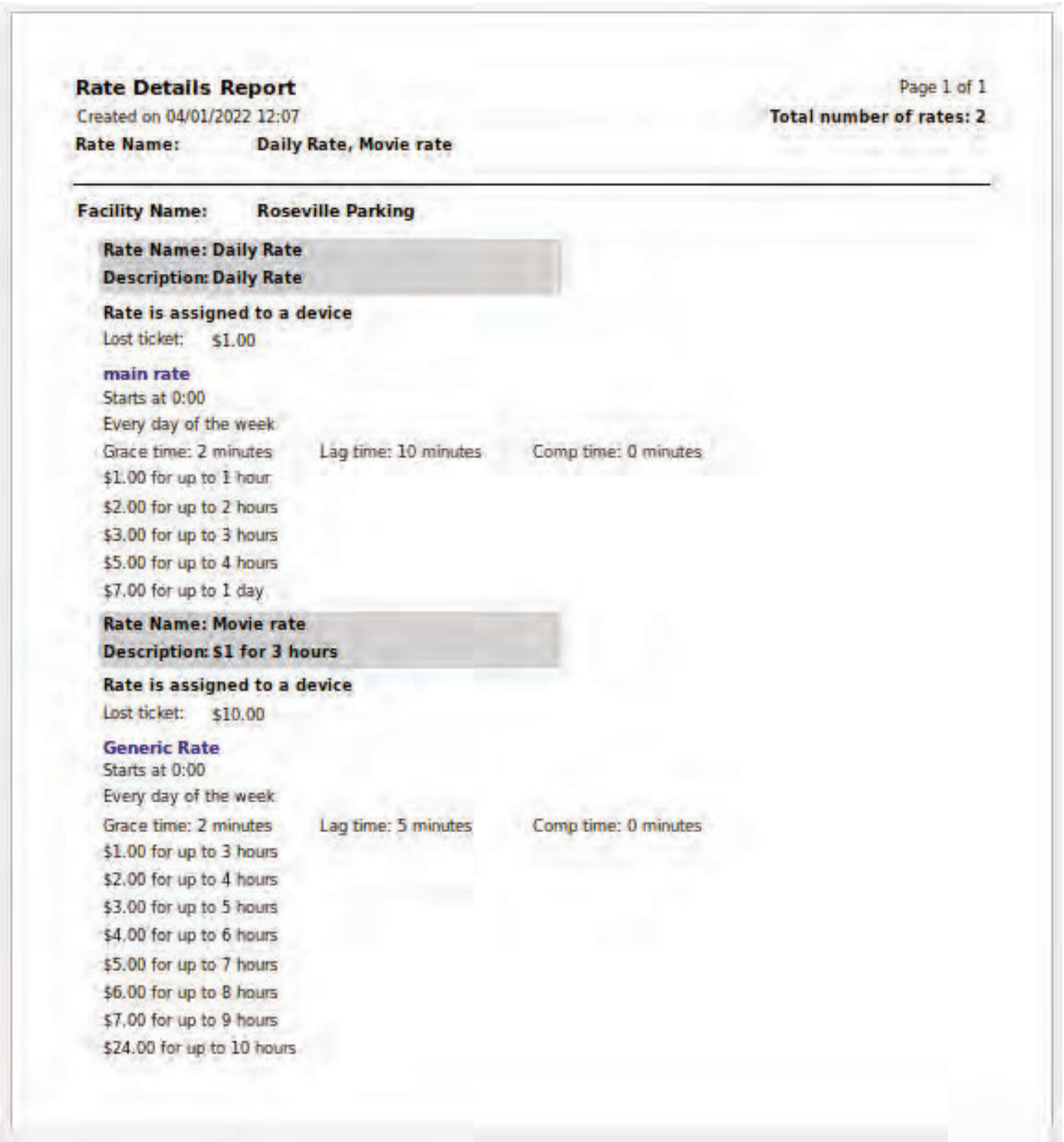
Report Filtering:

The user can filter data for Rate Name and Rate Component by selecting from a drop-down style lists. The user can select one, some, or all parameters from the lists.

Report Sorting:
The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Rate Detail Report (Cont'd)

Report Sample:



Rate Details Report

Page 1 of 1

Created on 04/01/2022 12:07

Total number of rates: 2

Rate Name: **Daily Rate, Movie rate**

Facility Name: **Roseville Parking**

Rate Name: Daily Rate
Description: Daily Rate

Rate is assigned to a device

Lost ticket: $1.00

main rate

Starts at 0:00

Every day of the week

Grace time: 2 minutes Lag time: 10 minutes Comp time: 0 minutes

$1.00 for up to 1 hour

$2.00 for up to 2 hours

$3.00 for up to 3 hours

$5.00 for up to 4 hours

$7.00 for up to 1 day

Rate Name: Movie rate
Description: $1 for 3 hours

Rate is assigned to a device

Lost ticket: $10.00

Generic Rate

Starts at 0:00

Every day of the week

Grace time: 2 minutes Lag time: 5 minutes Comp time: 0 minutes

$1.00 for up to 3 hours

$2.00 for up to 4 hours

$3.00 for up to 5 hours

$4.00 for up to 6 hours

$5.00 for up to 7 hours

$6.00 for up to 8 hours

$7.00 for up to 9 hours

$24.00 for up to 10 hours

Ticket Status Report

Report Scope:

The Ticket Status Report provides facility operators with detailed information and status for every ticket that has been issued and paid at a facility. The report provides status information for normal, void/canceled, paid, lost, and exited tickets. This report includes audit-level detail.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report entry and exit date and time ranges, the facility name, and the number of records in the report. The selected parameters are listed at the top as well and the pages are numbered.

The report is headed as follows: Entry Date, Exit Date, Ticket ID, Sequence #, Ticket Status, Rate, Device Name, and Facility Name. Each column has information about tickets issued or processed during the report period.

Report Filtering:

The user can filter data for Device Name, Ticket Status, and/or Rate by selecting from a drop-down lists. The user can select one, some, or all parameters for each of these options.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

Ticket Status Report

Report Scope:

Ticket Status Report

Page 1 of 1

Created on 04/01/2022 12:23

Entry Dates: 03/29/22 00:00 - 03/31/22 23:59

Exit Dates: 03/29/22 00:00 - 03/31/22 23:59

Total number of records: 22

Facility Name: Roseville Parking

Entry Date	Exit Date	Ticket ID	Sequence #	Ticket Status	Rate	Device Name	Facility Name
		ffa5660339b7		Lost Ticket	Daily Rate	Aria - Cash	Roseville Parking
3/29/2022 07:24		9139bc42848f	68	Enter	Daily Rate	PG Entry / Exit	Roseville Parking
3/29/2022 07:24		bac73dad1a94	69	Enter	Daily Rate	PG Entry / Exit	Roseville Parking
3/29/2022 07:24		8733159d19be	70	Enter	Daily Rate	PG Entry / Exit	Roseville Parking
3/29/2022 07:24		3ae8028fcb70	71	Enter	Daily Rate	PG Entry / Exit	Roseville Parking
3/29/2022 09:57		14983a5d2a2a	64	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:02	3/29/2022 10:05	bf47730b137d	65	Exit	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:02		c8a6510ea1d4	66	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:02		47d354f10960	67	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:03		8d9bf1937f1f	68	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:03		a4949d371077	69	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:03		41c6d1c1cb2f	70	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:03	3/29/2022 14:17	7eee1a5d1bf8	71	Exit	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 10:25		45a409d58a24	1122	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
3/29/2022 10:25		e0bb21ca986b	1123	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
3/29/2022 10:26		071f71c303fd	1124	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
3/29/2022 10:26		b150ff4e1b95	1125	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
3/29/2022 10:26		3dd07f7e19d8	1126	Enter	Daily Rate	A1 Prototype - Dispenser	Roseville Parking
3/29/2022 12:25		b0063d485f5d	72	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/29/2022 13:19		d222d809ee39	73	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/31/2022 08:30		05a8221590cd	74	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking
3/31/2022 10:32		028bc7cc9c7b	75	Enter	$1 a day	A1 Linux - Dispenser	Roseville Parking

User Actions Report

Report Scope:

The User Action Report provides facility operators with detailed information about user actions (add, edit, delete, and get) for system features. This report provides audit-level information for user actions/changes related to logins, rates, call center, access holder database, tickets, users groups, validation accounts, and much more.

Report Organization:

The following items are displayed on the top of the report: The report name, the date and time the report was generated, the report time and date range, the facility name, and the number of records in the report. The selected parameters are listed at the top as well and the pages are numbered.

The report is headed as follows: Date and Time, User Name, Email, User Action, and Action Type. Each column has information about tickets issued or processed during the report period.

Report Filtering:

The Action Type and User Action parameters can be filtered by the user selecting from a drop-down lists. The user can select one, some, or all parameters for each of these options. The First Name, Last Name, and Email parameter can be filtered by the user manually entering specific data into those sections.

Report Sorting:

The user can click on any of the column headers to sort the report before printing or exporting. Users can also hold down the shift key and click another field which will keep the previous sort while allowing the user to sort the next field; there is no limit on the number of additional sorts.

User Actions Report

(Cont'd) Report Sample:

User Actions Report

Page 1 of 1

Created on 04/01/2022 12:50 **Report Dates: 01/12/22 00:00 - 01/13/22 23:59** **Total number of records: 26**

Facility Name: **Roseville Parking**

Action Type: **Validation account, Rate, User Login**

Date and Time	User Name	Email	Action Type	User Action
01/12/2022 08:46	Christian Aguilar	Christian.Aguilar@amanomcgann.com	User Login	Add
01/12/2022 09:59	RosevilleParking Admin	a1usr001+st-rvadm@gmail.com	User Login	Add
01/12/2022 10:00	RosevilleParking Admin	a1usr001+st-rvadm@gmail.com	Rate	Edit
01/12/2022 15:26	Susie Campbell	amanoqa+amcvaluser@gmail.com	User Login	Add
01/12/2022 15:30	Susie Campbell	amanoqa+amcvaluser@gmail.com	User Login	Add
01/12/2022 16:07	Christian Aguilar	Christian.Aguilar@amanomcgann.com	User Login	Add
01/12/2022 16:19	Collin Schulz	collin.schulz@amanomcgann.com	User Login	Add
01/12/2022 16:21	Susie Campbell	amanoqa+amcvaluser@gmail.com	User Login	Add
01/12/2022 16:21	Collin Schulz 2	amanonotifications@gmail.com	User Login	Add
01/12/2022 16:22	Collin Schulz	collin.schulz@amanomcgann.com	User Login	Add
01/13/2022 09:02	Christian Aguilar	Christian.Aguilar@amanomcgann.com	Rate	Edit
01/13/2022 09:04	Christian Aguilar	Christian.Aguilar@amanomcgann.com	Rate	Edit
01/13/2022 09:04	Christian Aguilar	Christian.Aguilar@amanomcgann.com	Rate	Edit
01/13/2022 09:53	Parking Manager	richmenardjr+training@gmail.com	User Login	Add
01/13/2022 10:28	Susie Campbell	amanoqa+amcvaluser@gmail.com	User Login	Add
01/13/2022 11:15	Christian Aguilar	Christian.Aguilar@amanomcgann.com	User Login	Add
01/13/2022 11:29	Collin Schulz	collin.schulz@amanomcgann.com	Validation account	Add
01/13/2022 12:34	Susie Campbell	amanoqa+amcvaluser@gmail.com	User Login	Add
01/13/2022 13:22	RosevilleParking Admin	a1usr001+st-rvadm@gmail.com	User Login	Add
01/13/2022 13:23	RosevilleParking Admin	a1usr001+st-rvadm@gmail.com	Rate	Edit
01/13/2022 13:39	RosevilleParking Admin	a1usr001+st-rvadm@gmail.com	Rate	Edit
01/13/2022 14:41	Collin Schulz	collin.schulz@amanomcgann.com	Validation account	Edit
01/13/2022 14:47	Collin Schulz	collin.schulz@amanomcgann.com	User Login	Add
01/13/2022 14:57	Christian Aguilar	Christian.Aguilar@amanomcgann.com	User Login	Add
01/13/2022 15:01	Collin Schulz 3	amanonotifications+collin@gmail.com	User Login	Add
01/13/2022 15:01	Collin Schulz 4	amanonotifications+collin4@gmail.com	User Login	Add

C.13 Appendix B – Product Data Sheets

The following product data sheets have been provided for the proposed Amano ONE solution to provide additional details and product specifications.

AMANO ONE SYSTEM SOLUTION

- Amano ONE Solution Overview
- Amano ONE Parking Management Platform
- Amano ONE Mobile Payments
- Amano ONE Mobile Cashier
- Amano ONE Validation Solutions
- Amano ONE Flexible Parking Account
- Amano ONE API Integration
- Amano ONE Call Center
- Amano ONE Entry Station
- Amano ONE Pay-on-Entry Station
- Amano ONE Credit Card Exit Station
- Amano ONE Credit Card Only Pay-on-Foot Station
- Amano ONE Cash & Credit Card Only Pay-on-Foot Station
- AWID LR-3000 UHF Long-Range Reader
- Amano ONE Access Reader
- XM-700 Extended Range Reader
- Windcave SCR 200F-VM Contact/NFC Credit Card Terminal
- Ingenico MOVE/5000 Portable Payment Terminal
- AMI-1200 Universal Direct Drive Gate
- Nortech PD234 3-Series Dual Channel Parking Detector
- Vehicle Detector Loops
- Uninterruptable Power Supply Kit PSH850
- Signal-Tech Open/Closed Sign
- Amano ONE Reports Overview

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

AMANO ONE

SIMPLIFIED. POWERFUL. RELIABLE.



All New Cloud-Based Platform

- Powerful, Responsive Design
- Manage Parking Operations From Any Device
- No Apps Needed
- Portfolio Management
- Quick-Scan Onboarding
- Seamless Updates
- Auto-Scale For Optimal Performance
- 24-Hour AWS Monitoring

Transaction Speeds as Fast as .5 seconds

USB Plug-And-Play

- Only One Moving Part
- Reduced Maintenance
- Reduced Downtime in the Lane
- Smallest Cash Payment Kiosk in the Industry

OVER
5,000 TICKETS
PER ROLL



"The **Amano ONE** product comes into the market as a **revolutionary new offering** for software and hardware configuration. I think it gives them an opportunity to be **a game changer** in the industry."

- **Jed Hatfield** Colonial Parking Inc.



AMANO ONE

With Pay-By-Phone

A Pay Station **In Your Pocket**

SIMPLIFIED.

- Seamless, Automatic Updates
- World Class Support
- Monthly Recurring Fees for Software, Support, and Updates
- No Software Maintenance
- Plug-And-Play Components
- No Onsite Server Infrastructure
- Built-In Call Center

POWERFUL.

- Real-Time, Customizable Data Views
- Enterprise Management
- Comprehensive Reporting Engines
- Accelerated Processing
- Auto-Scale for Optimal Peformance
- Easy Up and Out Scalability

RELIABLE.

- 24/7 AWS Monitoring
- Encrypted Data
- Secure Access, Storage, and Recovery
- Reduced Points of Failure
- We never sell or disseminate your data
- P2P EMV-Certified

We make it our business to help you succeed.

Utilizing the latest in technological advances, our team's extensive experience, and feedback from real-world users, we have designed a completely new software platform that delivers a simplified, yet powerful and reliable solution.

For more information, please visit

www.amanomcgann.com

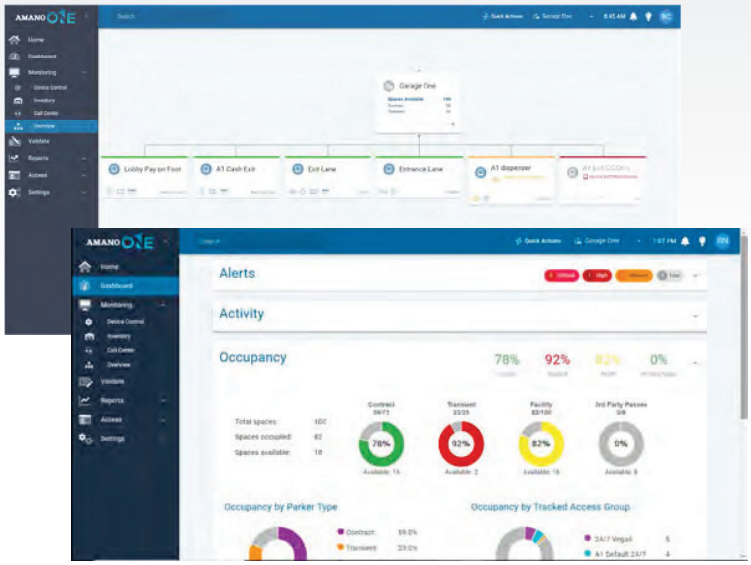
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SALES CONTACT

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InsideSales@amanomcgann.com

Parking Management Platform

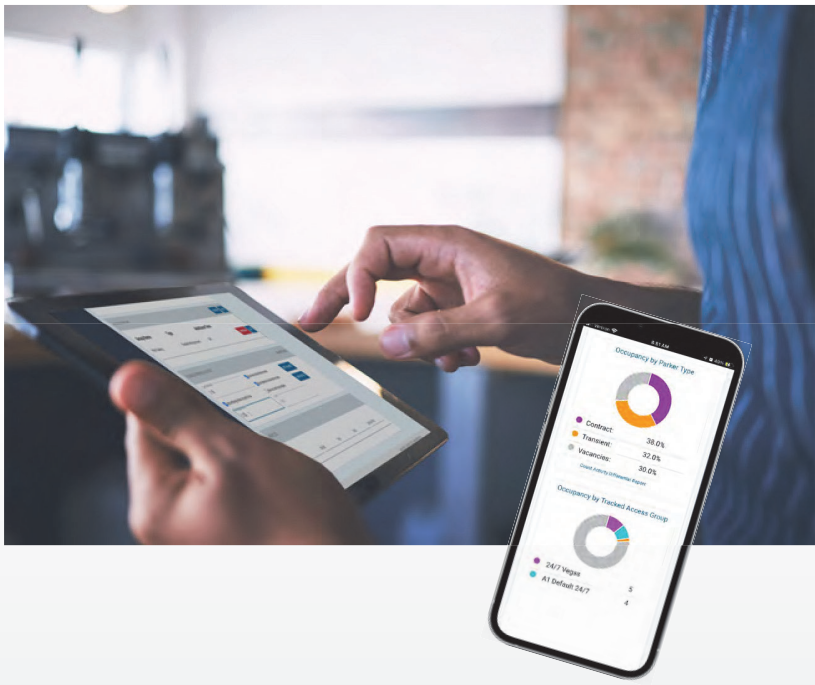


OVERVIEW

Amano ONE is a cloud-based, comprehensive back-office PARCS solution. Web-based UI and powerful, responsive design allows users to manage parking operations from any mobile device with best-in-class reporting, expedited access, and rapid system processing speeds.

FEATURES

- Cloud-based software deployment
- Responsive design, no apps required
- Portfolio management
- Multi-credential access
- Quick-Scan onboarding
- Seamless, automatic updates
- Dynamic auto-scaling
- 24/7 AWS monitoring
- Comprehensive, customizable reporting
- Accelerated processing
- Built-in call center
- Mobile payments
- System notifications
- Simplified rate programing with built-in testing
- Real-time, intuitive dashboards
- Real-time device status
- One-click access to all system operations
- Self-guided training
- Third-party integrations, we've got Swagger!
- Communicates with Amano ONE devices



AMANO ONE

Amano ONE
Series

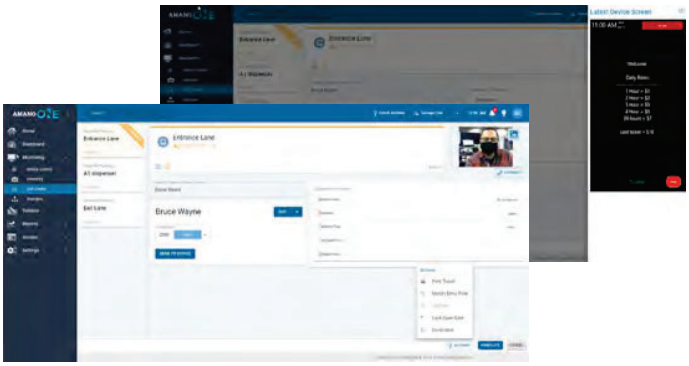
Parking Management Platform

BUILT-IN CALL CENTER

Deliver enhanced customer support with Amano ONE's native call center. Parking operations or support personnel can utilize the camera and VoIP intercom to easily respond to calls from any web-enabled device.

FEATURES

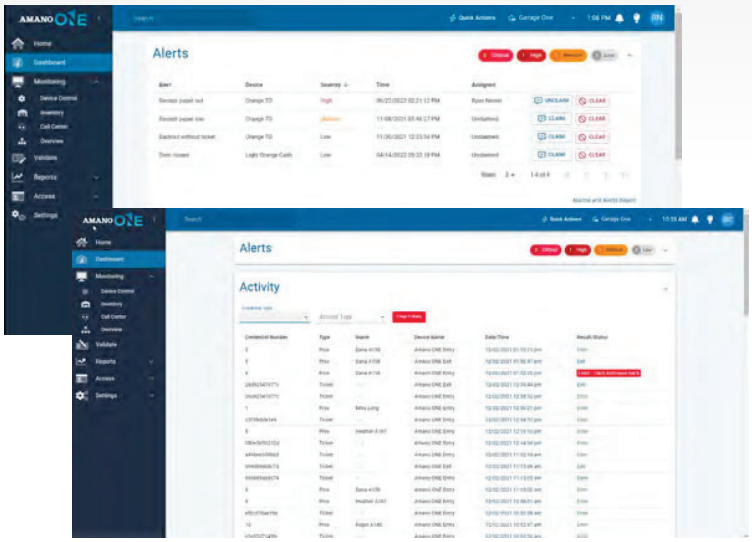
- View device status
- View transaction details
- Apply discounts
- Change parker status
- Push new fees
- Vend gates
- Print tickets
- Show live device screen
- Push credentials, validations, and rates





INTUITIVE, INTERACTIVE DASHBOARDS

Dashboard overviews put important information at your fingertips with real-time activity, revenue, and occupancy views paired with actionable alerts. Live activity dashboards allow you to take immediate action on lane interactions.

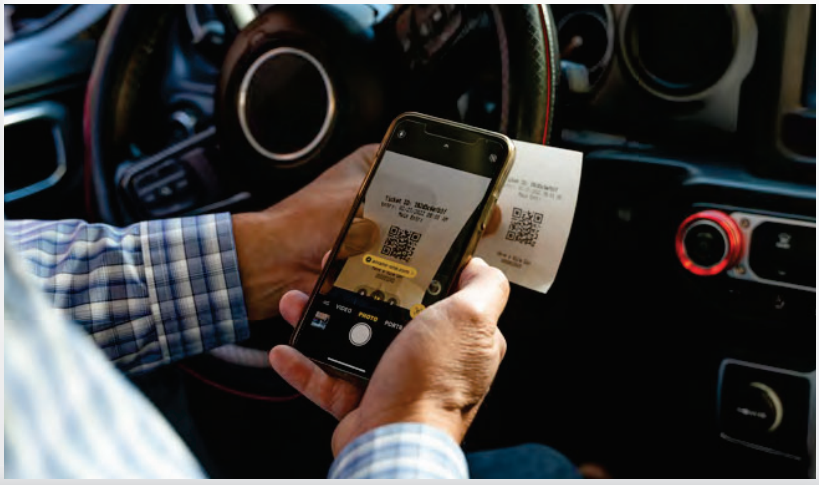


MOBILE PAYMENTS

Mobile Payments are as simple as scan-and-pay with Amano ONE. Patrons simply scan their Amano ONE ticket with their smartphone to automatically open a browser with the payment website.

FEATURES

- View parking fee
- Apply virtual validations
- Process secure payment
- Email receipt



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Amano ONE
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Mobile Payments

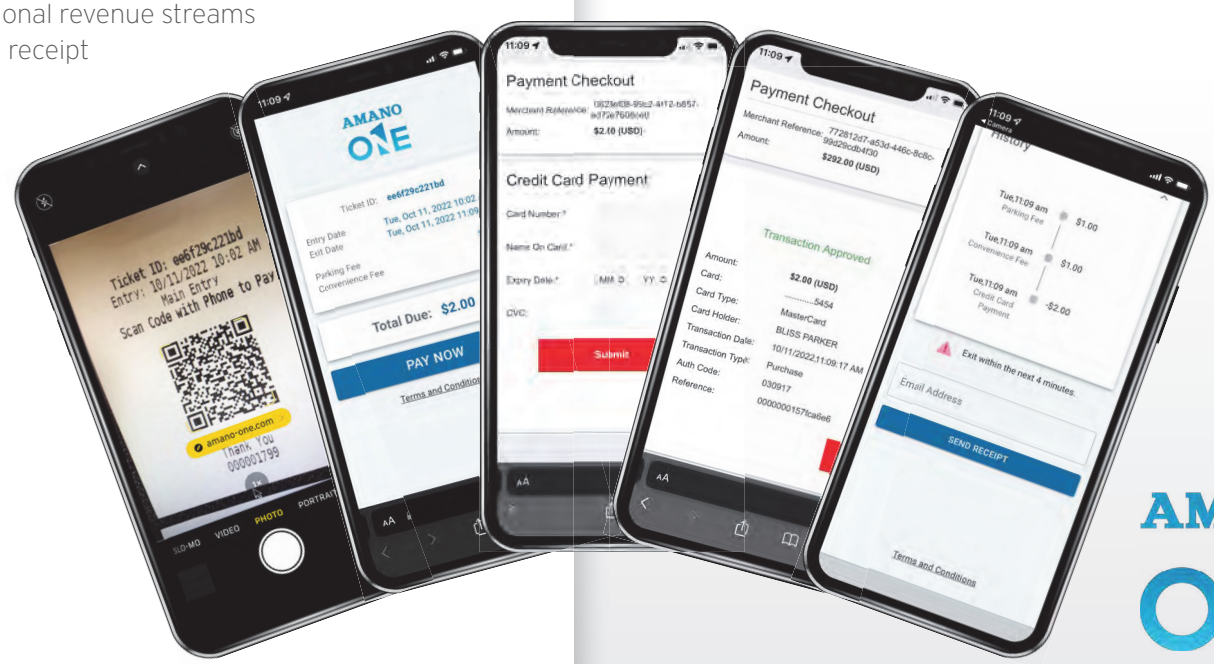
OVERVIEW

Amano ONE gives every parking guest a pay station in their pocket. Users simply scan the barcode on the Amano ONE ticket with their smartphone or mobile device to be taken to a secure payment website. There are no apps to download and guests will receive a receipt for their parking session via email.



FEATURES

- Cloud-based software deployment
- Responsive design, no apps required
- View parking fee
- View parking session history
- Process validated parking tickets
- Process secure payment
- Convenience fee can be configured for additional revenue streams
- Email receipt



AMANO ONE

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Mobile Cashier

OVERVIEW

The Amano ONE Mobile Cashier empowers frontline staff and provides flexible payment options for parking guests. With Mobile Cashier, attendants have the ability to assist patrons in the lane with both credit card and cash transactions, as well as process pre-paid passes and validations.

Attendants use a mobile device, equipped with a camera and internet connection, to log in to Amano ONE software in conjunction with a mobile gateway device to process transactions and print receipts on-demand. The mobile gateway device can process Chip and NFC credit card payments as well as print both credit card and cash transaction receipts. All transactions are accounted for in Amano ONE back-office software for a clear and accurate audit trail.

Mobile Cashier features both Pay-on-Entry and Roaming Cashier Modes.

FEATURES

- Cloud-based software deployment
- Responsive design, no apps required
- Expedited ingress and egress
- Flexible credit card and cash payments
- Shortcuts for common cash denominations
- Validations accepted
- Authorized discount application
- Pre-paid passes accepted
- On-demand receipts
- Audit trail for cash payments



AMANO ONE

PAY-ON-ENTRY MODE

Sites with Amano ONE Pay-on-Entry (POE) stations in the lane can link an attendant's mobile device to a specific POE station. The linked mobile device will mirror the offers for that specific Amano ONE POE lane. The attendant can then assist patrons in the lane with both cash and credit card transactions which vend the gate associated with the POE station for expedited ingress to the facility. The attendant can also scan pre-paid passes to allow entrance to the facility.

When Mobile Cashier is in Pay-on-Entry Mode, the system operates with a paid-in and free-out parking configuration.



ROAMING CASHIER MODE

Mobile Cashier in Roaming Cashier Mode can be used for controlled facilities and gateless facilities that do not have Amano ONE entry and exit hardware.

CONTROLLED

In a controlled parking asset, site ambassadors are equipped with a mobile device and a mobile gateway device. While stationed in a strategic location in the facility, or while roaming in strategic areas, the ambassador uses their mobile device to scan Amano ONE tickets received at entry and processes credit card or cash payments for the patron's parking session.

After payment is processed, the parking ticket status changes to paid in Amano ONE software and a management-determined lag time begins. The patron can scan their paid ticket for egress in the exit lane within their lag time. If the patron overstays the lag time, the Amano ONE Exit Device calculates any additional balance due and can process that balance at the exit device before vending the gate and granting the patron egress from the facility.

GATELESS

When Roaming Cashier Mode is used in a gateless parking asset, site ambassadors are stationed at entry points to the facility and are equipped with a mobile device and a mobile gateway device. The site ambassador greets patrons at the entry point and processes credit card and/or cash payment for available facility offers. Receipts for transactions can be printed on-demand. The attendant can also scan pre-paid passes to allow entrance to the facility.



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Amano ONE
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Validation Solutions

OVERVIEW

Amano ONE offers printed and encrypted online validation solutions to provide discounted parking fees.

VIRTUAL SOLUTION

Online validations allow authorized personnel to virtually validate entry tickets using a desktop or mobile device. As with all Amano ONE features and functions, there is no app required. Authorized personnel scan the QR barcode on a patron's entry ticket or enter their ticket number and select a discount from available validations. The discount is automatically applied to the parking session, and any remaining balance is calculated, when the patron scans their entry ticket at an Amano ONE payment device at the end of their parking session.

PRINTED SOLUTION

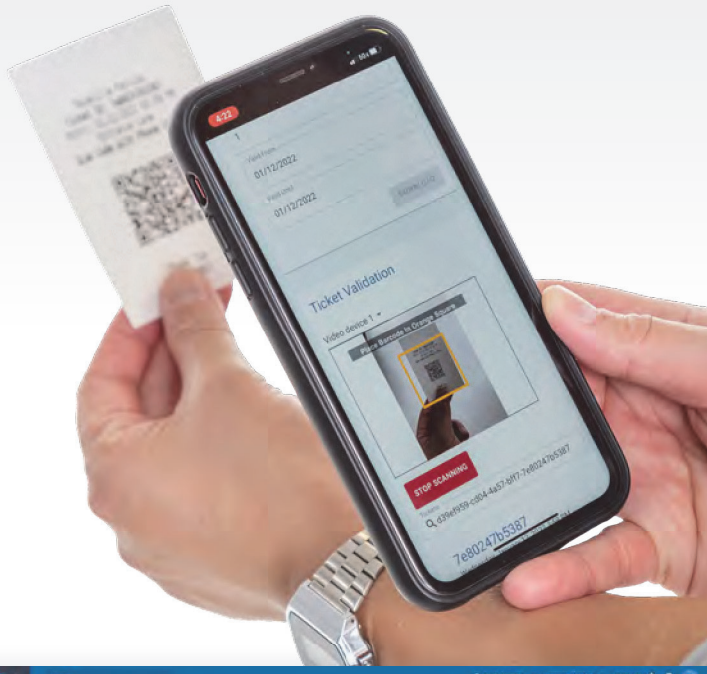
Authorized users access available validations via their Amano ONE user account. Validation coupons can be printed or adhered directly to a patron's ticket via a sticker. To take advantage of the validation, patrons simply scan their entry ticket and their validation coupon at an Amano ONE payment device in any order. Amano ONE software verifies the validation, applies the discount, then calculates any remaining balance due.

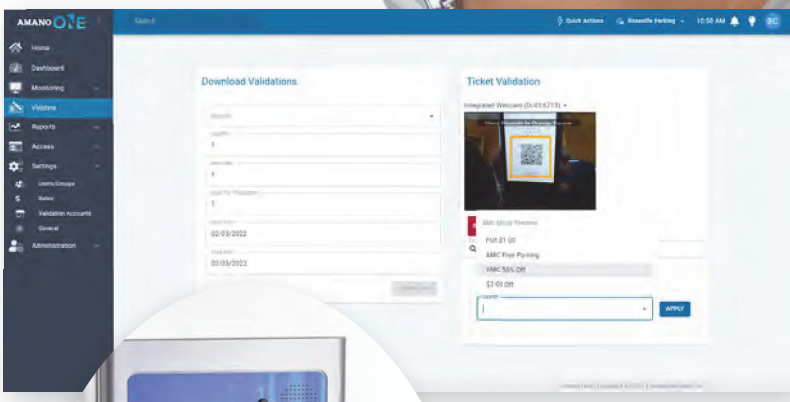
MERCHANT ACCOUNTS

Parking operations can set up merchant validation accounts. These accounts grant merchants access to the validation feature and the ability to create individual users. Users can apply validations created by parking management to patron parking tickets. On the back end, parking management can see when validations were applied and by which users with consolidated reporting.

FEATURES

- Virtual or printed validation options
- Device agnostic, browser-based Solution
- No app required







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Amano McGann Canada Inc. ⋮ 4123 Belgreen Dr Unit 1 ⋮ Ottawa, ON K1G 3N2 Canada ⋮ 1-877-408-6776
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Flexible Parking
Account

OVERVIEW

Amano ONE Flexible Parking Account allows patrons to pay for their parking on a per month basis rather than a fixed monthly fee. An account is setup for patrons with a credit card on file or, optionally, they can receive an email to replenish their account as needed.

Amano ONE supports unlimited parking rates. These rates can be assigned to access groups providing increased opportunities to drive revenues based on the contract parkers duration of stay versus a flat rate. Management has ultimate control with the ability to assign access groups to a specific set of reader locations, or deny access if a patron's balance falls below a set threshold, and more.

FEATURES

- Cloud-based software deployment
- Cashless payments
- Pay for actual parking used
- End-users have control to adding funds
- Access groups can be assigned to specific readers/locations
- Charge frequency restrictions can be set to allow for multiple entries per day such as re-entering after lunch or off-site meetings without incurring additional charges
- Patrons can be assigned to multiple groups with different rates based on location and time of day
- Fee and current balance can be displayed upon exit
- Negative balances allowed for post charging
- Comprehensive reporting software



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Easy Integration API

OVERVIEW

Amano ONE's simplified and powerful platform is designed to allow for easy API integration to third-party aggregators as well as command center applications. Give parking patrons more options with reservations and validations, integrate with building management and security systems, manage permits, and so much more.

Amano ONE uses Swagger to document the API allowing for easy consumption and quick integrations.

FEATURES

- Enhanced security using JSON Web Tokens (JWTs)
- Documentation through Swagger
- Integrate with industry-leading tools to streamline your operation
- Follows OpenAPI standards

CAPABILITIES

- Generate pre-paid reservations
- Create validations
- Manage access holders
- Track occupancy
- Activity monitoring and reporting



AMANO ONE

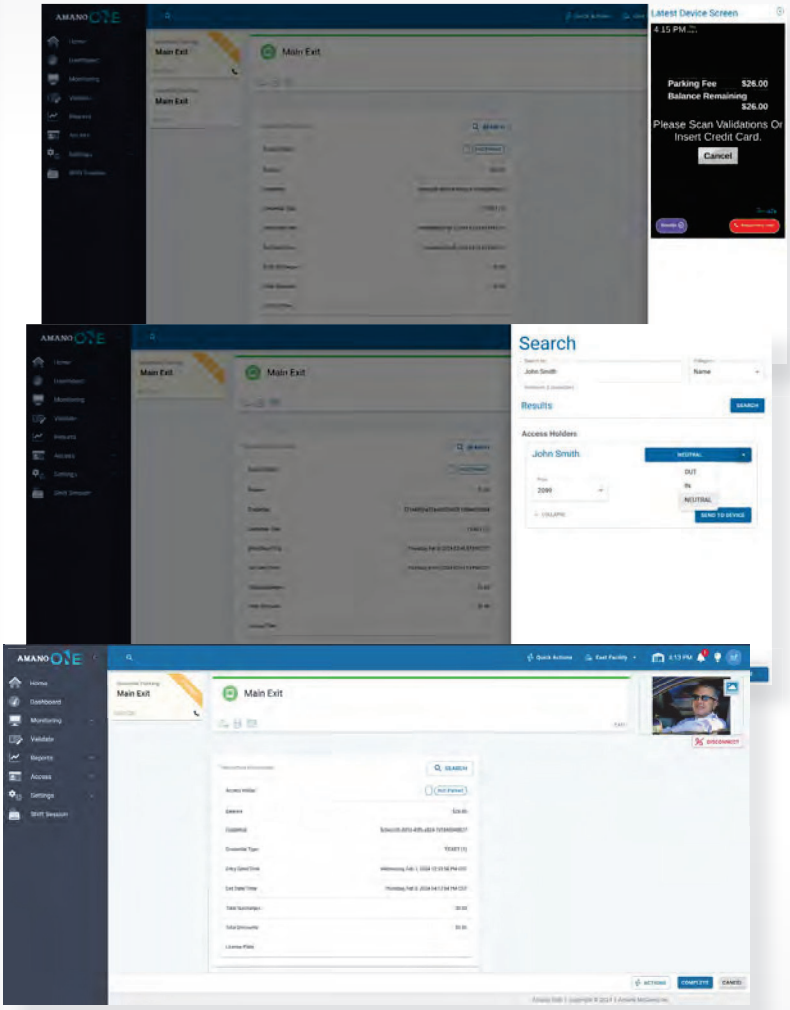
Amano McGann, Inc. ⋮ 2699 Patton Road ⋮ Roseville, MN 55113 USA ⋮ Tel: (612) 331-2020 ⋮ www.amanomcgann.com
Amano McGann Canada Inc. ⋮ 4123 Belgreen Dr Unit 1 ⋮ Ottawa, ON K1G 3N2 Canada ⋮ 1-877-408-6776
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Call Center

OVERVIEW

The Amano ONE Call Center is built into the Amano ONE Parking Management Platform and is included with every Amano ONE install at no additional cost.

The Call Center provides a visual intercom dashboard that facilitates easy assistance to patrons at an Amano ONE device. Call Center enables attendants to interact with customers by voice and one-way video. Authorized users can also view lane status and transaction details, validate tickets, cycle the gate, raise the gate, send a modified lost ticket, find credential and send it to the device, and issue a ticket remotely.



FEATURES

- Cloud-based software deployment
- Responsive design, no apps required
- Built-in camera and speaker
- Take a screen scrape
- Send a modified lost ticket rate
- Send access credential
- Send ticket or prepaid credentials
- Change monthly credential I/O status
- Vend gates
- View lane device status
- View transaction details
- Issue tickets remotely

AMANO ONE

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Entry Station

OVERVIEW

The Amano ONE Entry Station delivers a simplified, yet powerful solution for managing access and revenue control in facilities of any size. The device issues 2D barcode tickets and facilitates proximity, barcode, pre-paid, and frictionless credentials.

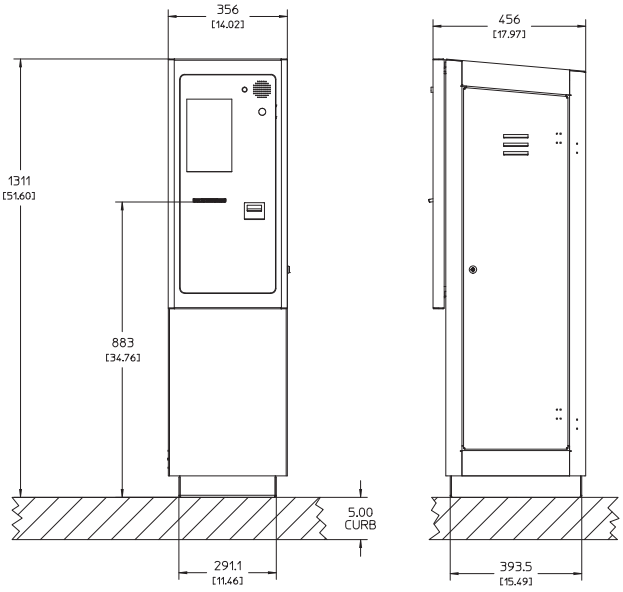
The Entry Station offers enhanced customer convenience through intuitive user guidance, a large touchscreen display, and a built-in call center. The device communicates with the Amano ONE cloud platform for simplified deployment and seamless updates, accelerated transactions, and reliable performance.



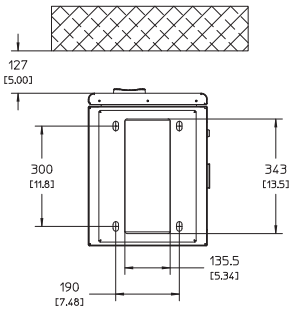
FEATURES

- Intelligent QR barcode with mobile pay option
- TCP/IP network connectivity
- Intercom and camera for built-in call center
- Proximity access options
- Bluetooth reader options
- Touchless wave sensor ticket issue option
- Modular USB components for simplified service
- Accelerated processing and transaction speeds
- Automatic deployment of updates through the cloud
- Communicates with Amano ONE cloud-based software

AMANO ONE



FRONT RIGHT



SETBACK

Recommendation only.
Installation requirements may vary.

Specifications

COMPLIANCE	
RoHS Compliant	
Meets ADA (Americans with Disabilities Act) requirements	
ELECTRICAL	
Operational:	1.5A @120V full load, when heater is not running 8.2A when heater is running
Power Source:	120 VAC, 60 Hz, 15A circuit protection
TIME CONTROL	
Real-time clock synchronization with host computer	
ENVIRONMENT	
Temperature:	-40°C ~ 55°C Ambient
Humidity:	10% ~ 95% (non-condensing)
HOUSING	
Heavy-duty, 14-gauge steel construction, weather gasketing, lockable door	
Height:	51.6" (131.1 cm)
Width:	14.0" (35.6 cm)
Depth:	19.18" (48.7 cm)
Weight:	140 lbs. (63.5 kg)
Finish (Standard):	Textured powder coat finish Amano EN75 Light Gray (RAL#7047) Custom color available upon manufacturer approval
DISPLAY	
Graphic color 10" LCD with backlight	
Height:	8.5" (21.59 cm)
Width:	5.3" (13.46 cm)
Display Buttons	Press Here for Ticket, Help
BARCODE SCANNER	
Opening:	60mm x 50mm
Barcode Types:	1D (Linear) and 2D (QR)
Ambient Light:	Total darkness to 9,000 ft.-candles (96,900 LUX)
TICKET READER/ENCODING MECHANISM	
Thermal printer with 1550' paper roll, each roll capable of printing up to 5500 tickets	
Encodes 2D data matrix barcode data	
Reads all accepted 1D and 2D data matrix barcode tickets and passes	
INTERCOM/CAMERA	
Integrated IP intercom and camera	
Compatible with many other third-party intercom devices	
OPTIONAL KITS	
Touchless Ticket Issue Sensor	
Integrated Proximity Access Reader	
Various contract readers available, including Bluetooth	

Specifications are approximate and are subject to change without notice.

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Pay-on-Entry Station



OVERVIEW

The Amano ONE Pay-on-Entry Station delivers simplified, powerful, and advanced technology for managing parking operations that require pre-payment of parking. It is designed to be installed in the entry lane of a parking facility and offers an unattended, automatic operation to manage event or specialized parking needs.

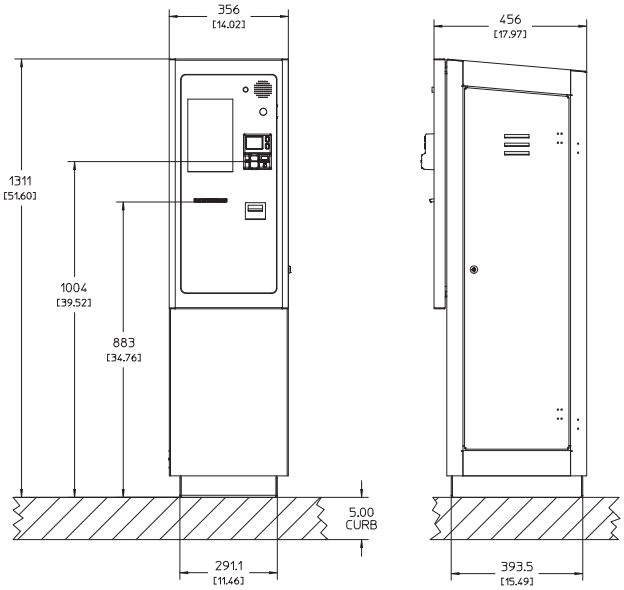
The Pay-on-Entry Station offers enhanced customer convenience through intuitive user guidance, a large touchscreen display, and a built-in call center. This allows patrons to quickly identify the event they are attending, select, and pay for parking via chip, magstripe, and contactless credit card or NFC. Upon completion of payment, the station issues a receipt credential that identifies the paid length of stay. Upon exit, patrons scan the credential at a Amano ONE Exit Station. This configurable operation provides flexibility to collect parking fees up front from special event and longer-stay patrons departing on tours, cruises, ferries, etc. Prepaid tickets are valid through the paid-thru date and time, and upon the patron's return, any overstay fees are calculated and collected prior to exiting the parking facility.

The device communicates with the Amano ONE cloud platform for simplified deployment and seamless updates, accelerated transactions, and reliable performance.

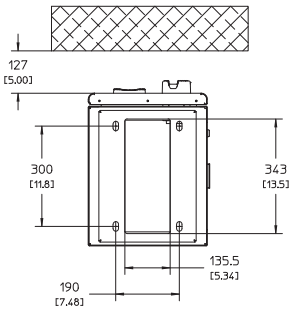
FEATURES

- Magstripe and P2PE EMV-ready MSR/Chip terminals
- Contactless credit card options for NFC, Apple Pay, and Google Pay
- Intelligent QR barcode with mobile pay option
- TCP/IP network connectivity
- Intercom and camera for built-in call center
- Proximity access options
- Bluetooth reader options
- Modular USB components for simplified service
- Accelerated processing and transaction speeds
- Automatic deployment of updates through the cloud

AMANO ONE



FRONT RIGHT



SETBACK

Recommendation only.
Installation requirements may vary.

Specifications

COMPLIANCE	
RoHS Compliant	
Amano ONE Pay-on-Entry Stations do not store credit card data	
Meets ADA (Americans with Disabilities Act) requirements	
ELECTRICAL	
Operational:	1.5A @120V full load, when heater is not running 8.2A when heater is running
Power Source:	120 VAC, 60 Hz, 15A circuit protection
TIME CONTROL	
Real-time clock synchronization with host computer	
ENVIRONMENT	
Temperature:	-40°C ~ 55°C Ambient
Humidity:	10% ~ 95% (non-condensing)
HOUSING	
Heavy-duty, 14-gauge steel construction, weather gasketing, lockable door	
Height:	51.6" (131.1 cm)
Width:	14.0" (35.6 cm)
Depth:	19.18" (48.7 cm)
Weight:	140 lbs. (63.5 kg)
Finish (Standard):	Textured powder coat finish Amano EN75 Light Gray (RAL#7047) Custom color available upon manufacturer approval
DISPLAY	
Graphic color 10" LCD with backlight	
Height:	8.5" (21.59 cm)
Width:	5.3" (13.46 cm)
Display Buttons	Press Here for Ticket, Help
BARCODE SCANNER	
Opening:	60mm x 50mm
Barcode Types:	1D (Linear) and 2D (QR)
Ambient Light:	Total darkness to 9,000 ft.-candles (96,900 LUX)
RECEIPT CREDENTIAL MECHANISM	
Thermal printer with 1550' paper roll, maximizing printing of pre-payment credentials	
Encodes 2D data matrix barcode data	
INTERCOM/CAMERA	
Integrated IP intercom and camera	
Compatible with many other third-party intercom devices	
OPTIONAL KITS	
Integrated Proximity Access Reader	
Various contract readers available, including Bluetooth	

Specifications are approximate and are subject to change without notice.

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Exit Station

Credit Card Option



OVERVIEW

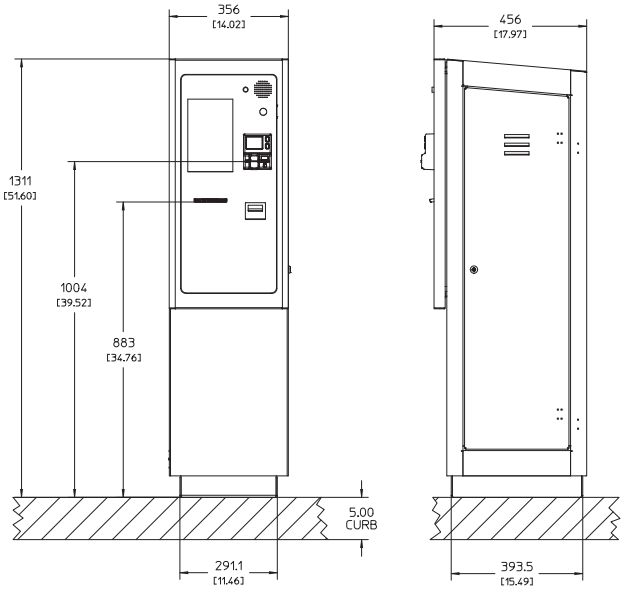
The Amano ONE Credit Card Exit Station delivers a simplified, yet powerful solution for managing access and revenue control in facilities of any size. The device processes 2D barcode tickets from Amano ONE Entry and Pay-on-Foot Stations, facilitates proximity, barcode, pre-paid, and frictionless credentials, and manages payments via credit card, validation, and mobile options.

The Exit Station offers enhanced customer convenience through intuitive user guidance, a large touchscreen display, and a built-in call center. The device communicates with the Amano ONE cloud platform for simplified deployment and seamless updates, accelerated transactions, and reliable performance.

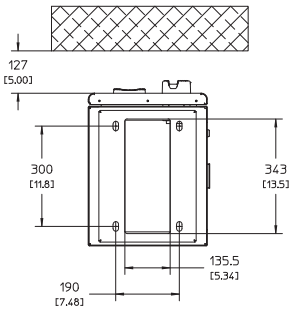
FEATURES

- Magstripe and P2PE EMV-ready MSR/Chip terminals
- Contactless credit card options for NFC, Apple Pay, and Google Pay
- Intelligent QR barcode with mobile pay option
- TCP/IP network connectivity
- Intercom and camera for built-in call center
- Proximity access options
- Bluetooth reader options
- Modular USB components for simplified service
- Accelerated processing and transaction speeds
- Automatic deployment of updates through the cloud
- Communicates with Amano ONE cloud-based software

AMANO ONE



FRONT RIGHT



SETBACK

Recommendation only.
Installation requirements may vary.

Specifications

COMPLIANCE	
RoHS Compliant	
Amano ONE Exit Stations do not store credit card data	
Meets ADA (Americans with Disabilities Act) requirements	
ELECTRICAL	
Operational:	1.5A @120V full load, when heater is not running 8.2A when heater is running
Power Source:	120 VAC, 60 Hz, 15A circuit protection
TIME CONTROL	
Real-time clock synchronization with host computer	
ENVIRONMENT	
Temperature:	-40°C ~ 55°C Ambient
Humidity:	10% ~ 95% (non-condensing)
HOUSING	
Heavy-duty, 14-gauge steel construction, weather gasketing, lockable door	
Height:	51.6" (131.1 cm)
Width:	14.0" (35.6 cm)
Depth:	19.18" (48.7 cm)
Weight:	140 lbs. (63.5 kg)
Finish (Standard):	Textured powder coat finish Amano EN75 Light Gray (RAL#7047) Custom color available upon manufacturer approval
DISPLAY	
Graphic color 10" LCD with backlight	
Height:	8.5" (21.59 cm)
Width:	5.3" (13.46 cm)
Display Buttons	Lost Ticket, Receipt, Help
BARCODE SCANNER	
Opening:	60mm x 50mm
Barcode Types:	1D (Linear) and 2D (QR)
Ambient Light:	Total darkness to 9,000 ft.-candles (96,900 LUX)
TICKET READER/ENCODING MECHANISM	
Thermal printer with 1550' paper roll	
Encodes 2D data matrix barcode data	
Reads all accepted 1D and 2D data matrix barcode tickets, validation coupons, and passes	
INTERCOM/CAMERA	
Integrated IP intercom and camera	
Compatible with many other third-party intercom devices	
OPTIONAL KITS	
Integrated Proximity Access Reader	
Various contract readers available, including Bluetooth	

Specifications are approximate and are subject to change without notice.

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Pay-on-Foot Station
Credit Card



OVERVIEW

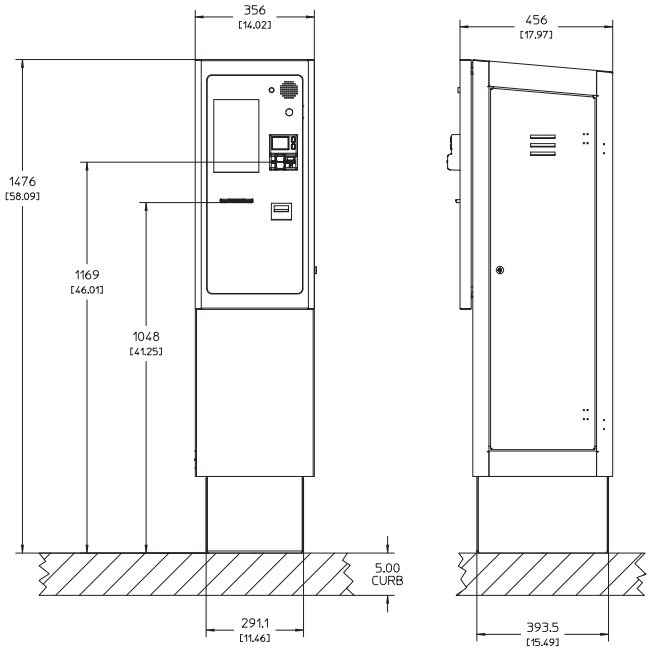
The Amano ONE Credit Card Pay-on-Foot Station delivers credit card acceptance in strategic locations of your facility for an expedited exit process. The device processes 2D barcode tickets from Amano ONE Entry Stations and manages payments via credit card and validation options.

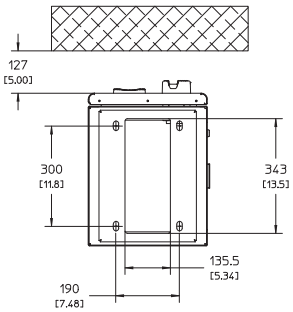
The Pay-on-Foot Station offers enhanced customer convenience through intuitive user guidance, a large touchscreen display, and a built-in call center. The device communicates with the Amano ONE cloud platform for simplified deployment and seamless updates, accelerated transactions, and reliable performance.

FEATURES

- Magstripe and P2PE EMV-ready MSR/Chip terminals
- Contactless credit card options for NFC, Apple Pay, and Google Pay
- Intelligent QR barcode with mobile pay option
- TCP/IP network connectivity
- Intercom and camera for built-in call center
- Modular USB components for simplified service
- Accelerated processing and transaction speeds
- Automatic deployment of updates through the cloud
- Communicates with Amano ONE cloud-based software

AMANO ONE





Recommendation only.
Installation requirements may vary.

Specifications

COMPLIANCE	
RoHS Compliant	
Amano ONE Pay-on-Foot Stations do not store credit card data	
Meets ADA (Americans with Disabilities Act) requirements	
ELECTRICAL	
Operational:	1.5A @120V full load, when heater is not running 8.2A when heater is running
Power Source:	120 VAC, 60 Hz, 15A circuit protection
TIME CONTROL	
Real-time clock synchronization with host computer	
ENVIRONMENT	
Temperature:	-40°C ~ 55°C Ambient
Humidity:	10% ~ 95% (non-condensing)
HOUSING	
Heavy-duty, 14-gauge steel construction, weather gasketing, lockable door	
Height:	51.6" (131.1 cm)
Width:	14.0" (35.6 cm)
Depth:	19.18" (48.7 cm)
Weight:	140 lbs. (63.5 kg)
Finish (Standard):	Textured powder coat finish Amano EN75 Light Gray (RAL#7047) Custom color available upon manufacturer approval
DISPLAY	
Graphic color 10" LCD with backlight	
Height:	8.5" (21.59 cm)
Width:	5.3" (13.46 cm)
Display Buttons	Lost Ticket, Receipt, Help
BARCODE SCANNER	
Opening:	60mm x 50mm
Barcode Types:	1D (Linear) and 2D (QR)
Ambient Light:	Total darkness to 9,000 ft.-candles (96,900 LUX)
TICKET READER/ENCODING MECHANISM	
Thermal printer with 1550' paper roll	
Encodes 2D data matrix barcode data	
Reads all accepted 1D and 2D data matrix barcode tickets, validation coupons, and passes	
INTERCOM/CAMERA	
Integrated IP intercom and camera	
Compatible with many other third-party intercom devices	

Specifications are approximate and are subject to change without notice.

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Amano ONE
Series

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Pay-on-Foot Station
Cash & Credit Card



OVERVIEW

The Amano ONE Pay-on-Foot Station delivers the convenience of cash acceptance in strategic locations of your facility for an expedited exit process paired with a notably small footprint for versatile deployment. The device processes 2D barcode tickets from Amano ONE Entry Stations, and manages payments via cash, credit card, and validation options.

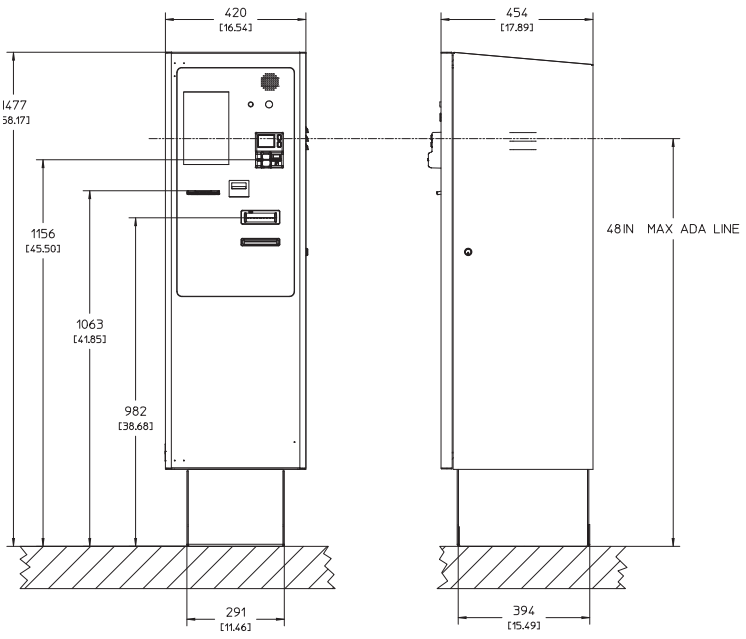
The Pay-on-Foot Station offers enhanced customer convenience through intuitive user guidance, a large touchscreen display, and a built-in call center. The device communicates with the Amano ONE cloud platform for simplified deployment and seamless updates, accelerated transactions, and reliable performance.

FEATURES

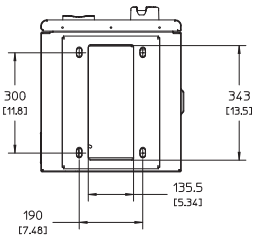
- Magstripe and P2PE EMV-ready MSR/Chip terminals
- Contactless credit card options for NFC, Apple Pay, and Google Pay
- Banknote recycler
- Intelligent QR barcode with mobile pay option
- TCP/IP network connectivity
- Intercom and camera for built-in call center
- Modular USB components for simplified service
- Accelerated processing and transaction speeds
- Automatic deployment of updates through the cloud
- Communicates with Amano ONE cloud-based software

AMANO ONE

Cash & Credit Card Pay-on-Foot Station



FRONT RIGHT



INSTALLATION

Recommendation only.
Installation requirements may vary.

Specifications

COMPLIANCE	
RoHS Compliant	
Amano ONE Pay-on-Foot Stations do not store credit card data	
Meets ADA (Americans with Disabilities Act) requirements	
ELECTRICAL	
Operational:	4.0A @120V at idle 6.3A momentary peak, when heater is not running 10.7A when heater is running
Power Source:	120 VAC, 60 Hz, 15A circuit protection
TIME CONTROL	
Real-time clock synchronization with host computer	
ENVIRONMENT	
Temperature:	-40°C ~ 55°C Ambient
Humidity:	10% ~ 95% (non-condensing)
HOUSING	
Heavy-duty, 14-gauge steel construction, weather gasketing, lockable door	
Height:	51.6" (131.1 cm)
Width:	16.6" (42.2 cm)
Depth:	19.18" (48.7 cm)
Weight:	210 lbs. (95.3 kg), 276.5 lbs. (125.5 kg) with BNR installed
Finish (Standard):	Textured powder coat finish Amano EN75 Light Gray (RAL#7047) Custom color available upon manufacturer approval
DISPLAY	
Graphic color 10" LCD with backlight	
Height:	8.5" (21.59 cm)
Width:	5.3" (13.46 cm)
Display Buttons	Lost Ticket, Receipt, Help
BARCODE SCANNER	
Opening:	60mm x 50mm
Barcode Types:	1D (Linear) and 2D (QR)
Ambient Light:	Total darkness to 9,000 ft.-candles (96,900 LUX)
TICKET READER/ENCODING MECHANISM	
Thermal printer with 1550' paper roll	
Encodes 2D data matrix barcode data	
Reads all accepted 1D and 2D data matrix barcode tickets, validation coupons, and passes	
INTERCOM/CAMERA	
Integrated IP intercom and camera	
Compatible with many other third-party intercom devices	
BANKNOTE CAPACITIES	
Recycles four denominations (configurable) • 30 - $20 bills • 30 - $10 bills • 60 - $5 bills • 60 - $1 bills	
Includes one cash loader cassette (250 banknote capacity)	
Includes one cash box (600 banknote capacity)	

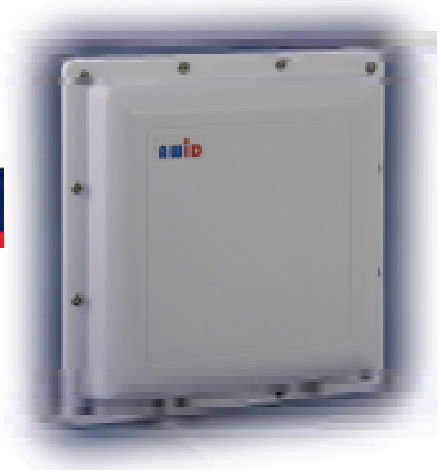
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LR-3000™

UHF Long-Range Reader



AWID's LR-3000™ Long-Range Reader is an Ultra-High-Frequency (UHF) tag and card reader used in RFID applications like gate access for vehicles and physical access for people. Its electronics and antenna are integrated in a single compact enclosure. The LR-3000 is optimally designed for Automatic Vehicle Identification (AVI) and Access Control applications such as gate control in a parking facility. It also provides identification and access for people at doorways, wheelchairs at elevators, and gurneys in hospital entrances. The LR-3000 Reader assures security by use of AWID's proprietary encryption for communications between the reader and its UHF vehicle tags and hand-held cards. The LR-3000 reader has two LEDs – steady red to indicate DC power, and blinking green when a tag is presented. The LR-3000 reader is suitable for outdoor applications; it may be installed with exposure to the environment.



The LR-3000 offers *price:performance* advantage over conventional long-range proximity card and active-tag RF systems. The LR-3000 can be combined with AWID's uAxcess door access readers, allowing the same hand-held card to be used for both vehicle parking access at the gate, and door access for people in the building.

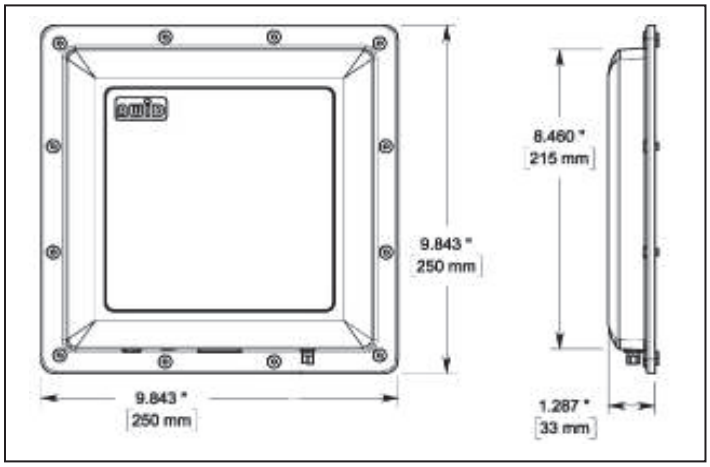
The LR-3000 operates in the license-free 902-928 MHz UHF band. It combines effective UHF technology with economical passive tags and cards, field-programmable read repeat rate and RF field strength, and simultaneous Wiegand and RS-232 data outputs. It can be interfaced with all standard access control and AVI systems. The LR-3000 offers an impressive combination of single-unit construction, small size, and attractive appearance. Tag reading distance is commonly up to 25 feet and sometimes more depending on reader mounting, credential type and environment.

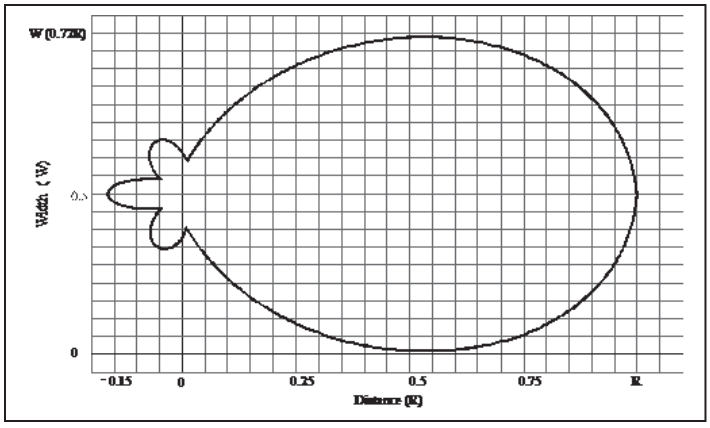
FEATURES

- **Longer reading distance** ...
  Up to 25 feet between reader and tag
- **Small, attractive reader** ...
  Single unit with antenna, 9.8"x9.8"x1.3"
- **Easy reader installation** ...
  No reader programming, simple wiring
- **Wide selection of credentials** ...
  Varied vehicle tags and hand-held cards
- **Unlimited tag or card life** ...
  Passive, battery-free credentials
- **Data output to fit the system** ...
  Selectable read repeat rate
- **No interference between readers, and no cross-reading between lanes** ...
  Programmable RF field strength
- **RF transmission only as needed** ...
  Optional buried loop arms the RF circuit
- **LED status indicators** ...
  Red for power, green for tag reading
- **LR-3000 mixes with other readers** ...
  Same code format as proximity readers
- **Easy interfacing to control systems** ...
  Both Wiegand and RS-232 data output
- **Complies with certifications** ...
  FCC Part 15; IC; RoHS
- **Ideal upgrade from old systems** ...
  Hands-free car ID; cards for people ID
- **Eliminates stop-and-wait entry** ...
  Cars may continue moving past reader
- **No need to add protective housing** ...
  Protection class IP65 for outdoor sites
- **Easy to buy and own** ...
  Installer needs no FCC registration

LR-3000™

UHF Long-Range Reader





ACCESSORIES AND SUPPLIES

- LR-reader test/demo kit -- A **requirement** for all installers. An effective way to demonstrate the LR-3000, to prove its operation, to measure its performance, to locate tags, and to aim the reader. A one-time purchase for installers.
- Power supply -- Each LR-3000 requires a separate, independent, dedicated power supply. Ask AWID for specifications. AWID offers PS-123.3A-0-0 plug-in DC module.
- Cable for power and data -- Correct cable assures good reader performance. Ask AWID for specifications.
- Mounting devices -- Ask your supplier about poles, posts, pedestals, clamps, arms, etc.
- System components -- Ask your supplier about the access control package, gates, vehicle sensors, bollards, traffic barriers, and other components.
- Installation and operation -- Download additional information from www.AWID.com.

CREDENTIAL OPTIONS

- Vehicle-mounting tags -- For permanent or movable applications, inside or outside vehicles. Types are tags for Windshield (**WS-UHF**), Rearview Mirror (**RV**), Sunvisor (**VT**), Sideview Mirror (**SV**) and Metal-Mount (**MT-UHF**); also Portable tag (**PT**), Hangtag (**HT**), and Supertag (**ST**).
- Hand-held cards -- For presenting to reader. *Cards*: Clamshell (**CS-UHF**) and Graphics (**GR-UHF**). *Tags*: Keytag (**KT-UHF**) and Hangtag (**HT**). Use these cards and tags with **uAxcess** readers.

Ask AWID about tag selection and mounting methods.

OPERATING CHARACTERISTICS

Reading Distance:
Tags and cards, up to 25 feet (7.6 meters)

Frequency Band:
902 to 928 MHz; Frequency Hopping technology

Antenna Output:
Circular-polarized RF field

Indicators:
2 LEDs -- Red for power; Green for tag reading

Power Supply: ***Separate for each long-range reader***
7 to 15 volts DC, linear rated, regulated output
At 12 VDC, rated for 2 amperes or more
Separate, independent, dedicated to each reader

Communications Protocols:
Wiegand and RS-232, simultaneous outputs

Code Formats:
Determined by AWID's tags & cards; 26 to 50 bits

Cables: ***All cables MUST be overall-shielded***
Power -- 2 conductors, 18 gauge, shielded
Data -- 3 conductors, 22 gauge, shielded
Stranded, color-coded, not twisted pairs
Up to 500 feet for Wiegand; 75 feet for RS-232

Field-Programmable Features:
Read repeat rate; RF power level

PHYSICAL CHARACTERISTICS

Dimensions:
9.8 x 9.8 x 1.3 inches (25 x 25 x 3.3 cm)

Weight:
38.4 oz (1.09 kg)

Material (Color):
ABS enclosure (white); aluminum back-plate

Cable (Integrated with Reader):
10 conductors, 32 inches (81 cm) long
Overall shielded, plastic jacket

Mounting (Supplied by Installer):
Pan-and-tilt adjustable aiming, min. 6 inches long

ENVIRONMENT

Operating Temperature:
-35°C to +65°C (-31°F to +150°F)

Operating Humidity:
0% to 95% non-condensing

Protection Class:
IP65 Weatherproof

Avoiding Interference:
Optimize reader performance by avoiding sources of RF – fluorescent and other arc lighting, UHF transmitters, other UHF readers.

CERTIFICATION

FCC Part 15; IC; RoHS; ETL

DISCLAIMER: Specifications are subject to change without notice. AWID reserves the right to make changes to improve performance without impacting form, fit or function. The LR-3000 model designations are Trademarks of Applied Wireless Identifications Group, Inc. All other trademarks are property of their respective owners.

18300 Sutter Blvd, Morgan Hill, CA 95037
Tel: (408) 825-1100 Fax: (408) 782-7402
http://www.awid.com

Amano ONE Reader



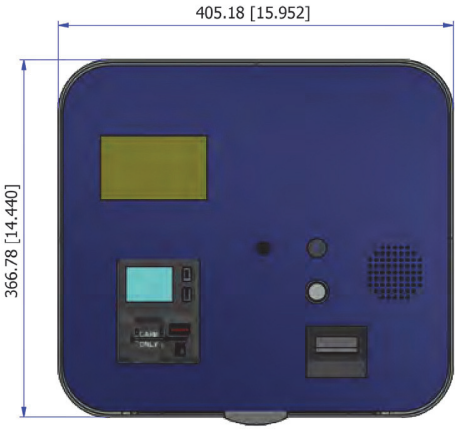
OVERVIEW

Simplify entry and exit operations with the Amano ONE Reader. This device facilitates ticketless entry and exit and is compatible with a variety of credential technologies and applications.

Utilize reservation and access credentials with the intelligent QR barcode reader. This device communicates with the Amano ONE cloud platform for simplified deployment and seamless updates, accelerated transactions, and reliable performance.

FEATURES

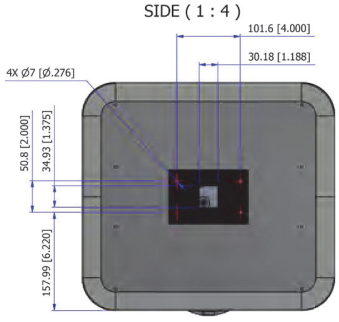
- TCP/IP network connectivity
- Intercom and camera for built-in call center
- Proximity access options
- Bluetooth reader options
- Modular USB components for simplified service
- Accelerated processing and transaction speeds
- Automatic deployment of updates through the cloud
- Communicates with Amano ONE cloud-based software



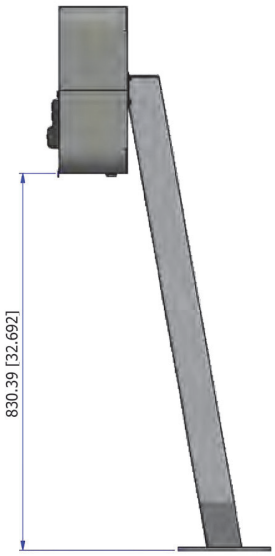
FRONT (1 : 4)



SIDE (1 : 4)



BACK (1 : 4)



MOUNTED (1:8)

Specifications

COMPLIANCE	
RoHS Compliant	
FCC Part 15	
Meets ADA (Americans with Disabilities Act) requirements	
ELECTRICAL	
Operational:	0.5A @120V at idle 1.0A momentary peak
Power Source:	120 VAC to 14VAC, 40W Wall Transformer (provided)
TIME CONTROL	
Real-time clock synchronization with host computer	
ENVIRONMENT	
Temperature:	-30°C ~ 50°C Ambient
Humidity:	10% ~ 95% (non-condensing)
HOUSING	
2.59mm 10 Gauge Aluminum, lockable door	
Height:	14.4" (36.6 cm)
Width:	16.0" (40.6 cm)
Depth:	7.0" (17.8 cm)
Weight:	17.9 lbs. (8.12 kg)
Finish (Standard):	Textured powder coat finish Amano EN75 Light Gray (RAL#7047) Custom color available upon manufacturer approval
DISPLAY	
800x480 WVGA 5" Graphic HDMI TFT Display HMI with Capacitive USB Touch Screen	
Height:	2.6" (6.48 cm)
Width:	4.3" (10.8 cm)
Display Buttons:	Help
BARCODE SCANNER	
Opening:	60mm x 50mm
Barcode Types:	1D (Linear) and 2D (QR)
Ambient Light:	Total darkness to 9,000 ft.-candles (96,900 LUX)
TICKET READER	
Reads all accepted 1D and 2D data matrix barcode tickets, access credentials, and passes	
INTERCOM/CAMERA	
Integrated IP intercom and camera	
Compatible with many other third-party intercom devices	
OPTIONAL KITS	
Integrated Proximity Access Reader	
Various contract readers available, including Bluetooth	

Specifications are approximate and are subject to change without notice.

AMANO ONE

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MEET THE ALL NEW XM-700

uAxcess by AWID



FAST. CONVENIENT. RELIABLE.

ACCESS REDEFINED

IT'S A FAST-PACED WORLD OUT THERE – YOUR TIME IS VALUABLE AND WE'RE LISTENING.

AWID's **XM-700** UHF switchplate-type reader is designed with the user in mind: responsiveness, security, and speed. Utilizing these crucial characteristics, we have developed the essential access link for door entry into buildings, or gate entry into specified parking facilities.

Cutting-edge UHF reader technology allows the use of hand-held cards and keytags used for access control into buildings, as well as by drivers at the gate. The cards and keytag are compatible with AWID's LR-2000, LR-2200 and LR-3000 long-range readers.

AWID

FEATURES

- **People access using UHF cards and tags:** *Same cards for vehicles and people*
- **Quick access at busy entrances:** *Read range 5 to 7 feet*
- **Easy mounting:** *Fastens on electrical box or wall*
- **Easy wiring for power and data:** *Connects like a proximity reader*
- **Combines car and personal access:** *Interfaces to common access control*
- **Reader needs no programming:** *XM-700 reads all AWID UHF cards*
- **Compatible with access systems:** *Standard code formats & interfaces*
- **Visible and audible feedback:** *Reads indicated by LED and beeper*
- **Great appearance in all locations:** *Attractive enclosure, compact dimensions*

XM-700

uAxcess by AWID

uAxcess CARD READER SPECS



BUILDING OR PARKING ACCESS

INSTALLATION

The XM-700 reader fits perfectly on a single-gang electrical utility box, a wall, or other surface, using two screws (supplied). With simultaneous Wiegand and RS-232 data output, the XM-700 reader can be interfaced for a wide variety of access control, special system control, and user identification applications.

OPERATION

The XM-700 reader's read range is 5 to 7 feet, while mounting the unit directly on metal slightly reduces the read range. Presenting any AWID UHF card to the reader causes the beeper to sound and the LED to change color.

CREDENTIALS

The hand-held cards and keytag for the XM-700 are the same as the credentials that AWID offers for its UHF long-range readers in gate applications for vehicle access. Encoding in the cards and keytag has the same format and data fields as in AWID's credentials for all other reader types.

ACCESSORIES AND SUPPLIES

MOUNTING HARDWARE:
Screws for single-gang electrical utility box are supplied with the XM-700 reader.

POWER SUPPLY:
The XM-700 reader operates with voltage between +9 volts and +12 volts DC. An external DC power supply (nominal +12 volts, 1 ampere, regulated output) must be used.

CABLE FOR POWER AND DATA:
A single cable interfacing the reader to the panel should be 22 gauge, 4 conductors, **overall shielded**, stranded wires, color-coded, not twisted pairs. Using Wiegand interface, cable may be up to 500 feet long for power and data.

INSTALLATION SHEET: Download full instructions at **AWID.com**.

OPERATING CHARACTERISTICS

READING DISTANCE:
- 5 to 7 feet

FREQUENCY BAND:
- 902 to 928 MHz
- Frequency-hopping technology

POWER SUPPLY:
- +9 to +12 volts DC supply; rated 1.0 ampere or more; regulated DC output

COMMUNICATIONS PROTOCOL:
- Wiegand and RS-232, simultaneous

CODE FORMATS:
- Programmed in AWID's UHF credentials
- Reads 26-bit to 50-bit codes

CABLE (FOR WIEGAND INTERFACE):
- 22-gauge, 4 wires, stranded, color-coded
- Overall shielded for both power and data
- Up to 500 ft long for Wiegand interface

PHYSICAL CHARACTERISTICS

DIMENSIONS: 5.5" x 5.5" x 1.125"

WEIGHT: 15.2 oz (431 grams)

MATERIAL (COLOR): ABS 1-part enclosure, gray

CABLE (INTEGRATED WITH READER):
- 10 conductors, 18 inches long
- Overall shielded, gray plastic jacket

MOUNTING:
- On wall or single-gang utility box with supplied metal back plate

ENVIRONMENT

OPERATING TEMPERATURE:
- -31ºF to +150ºF (-35ºC to +65ºC)

OPERATING HUMIDITY: 0% to 95% non-condensing

CERTIFICATION

ISO 9001:2000, FCC Part 15, IC, RoHS compliant

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SCR 200F-VM

Certification & Compliance

PCI PTS 5.x, compliant with PCI P2PE, EMVCo L1 & L2 Contact and Contactless security requirements to keep your transactions secure and reduce your compliance costs.

Expand Your Options

Designed to meet NAMA / EVA CVS mounting specifications, paired with the Windcave LAN300 to integrate cashless functionality with an existing cash-based solution.

User Friendly Interface

A colour LCD screen, card insert LEDs and backlit function buttons ensures that the SCR200F-VM is user-friendly.

All-in-one Solution

The SCR200F-VM combines the best of Windcave's unattended payment solutions into a single payment device.



Specifications

Card Reader
Magstripe
EMV Contact Card
Contactless

Human Interface
Colour 2.3" Touch
2x Backlit Function Keys
Card Indicator LEDs

Audio
Buzzer

Connectivity
RS232 (Serial & Power)

Power Supply
9-45V DC

Dimensions
129.5 x 101 x 132.5mm

Weight
600g (21 oz)

Operating Humidity
85% non condensing at 40°C/104°F

Storage Temperature
-30°C/-22°F to 80°C/176°F

Operating Temperature
-20°C/-4°F to 75°C/167°F

IP Rating / IK Rating
IP 45 / IK 10

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ingenico
Smart terminals

Move/5000

Boost sales on-the-go with a world of business apps

- Create new consumer experiences by combining payment and mobility
- Accept the broadest range of payment methods on-the-go
- Meet the most demanding use cases with a range of connectivity options



contactless · security · 4G/LTE WIFI connectivity · touchscreen · camera · barcode · thermal printer

TELIUM TETRA

The Move/5000 is a game changer, opening the portable payment terminal to a new world of business apps.

Highest Security
The Move/5000 is PCI-PTS 5.x certified and satisfies the latest hardware and software security requirements. Its Telium TETRA OS uses the latest cryptographic schemes with future-proof key length.

All Payment options
The Move/5000 supports all forms of electronic payments including EMV chip & PIN, chip & sign, magstripe, signature capture, and NFC/contactless.

User-friendly and intuitive interface
Featuring powerful multimedia capabilities and a large 3.5-inch color touchscreen, the Move/5000 provides a best-in-class user experience thanks to a rich user interface.

Designed for Mobility
The Move/5000 comes with a wide variety of wireless communication options, including Wi-Fi, Bluetooth, and 4G/LTE, guaranteeing payment availability and optimizing communication costs.

Built-in data capture capabilities
With its optional camera or barcode scanner and GPS tracking, Move/5000 enables alternative payment schemes and unlimited possibilities for innovative business apps.

Seamless NFC payment
The Move/5000 seamlessly enables contactless payment acceptance by providing a dedicated customer-facing NFC card reader zone for faster transaction flows.

An OS with secure payment and creative freedom
Backed by 30 years of experience, the Telium TETRA Operating System is the perfect combination of Ingenico Group's legacy in payment expertise and openness to the web. It embeds the best security mechanisms to protect transaction privacy, while enabling the deployment of HTML5 web-based rich media business apps.









NAME			Move/5000
Processor	Application & crypto processor	Cortex A5	●
Memory	Internal External	512 MB Flash, 512 MB RAM MicroSD up to 32GB	● ●
OS		Telium TETRA OS	●
SIM		2 SIM	●
SAM		2 SAM	●
Card Readers	Magstripe Smart card Contactless	ISO 1/2/3, 500K lifespan EMV Level 1, 500K lifespan EMV Level 1 compliant	● ● ●
Display	Color	3.5" backlit, HVGA (480x320 pixels)	●
Touchscreen	Capacitive	Finger & stylus (300K lifespan signature)	●
Keypad		16 keys, raised Marking, backlit	●
Audio	Audio jack Speaker	Stereo Mono	● ●
Video	Video accelerator	H264 codec	●
Data Capture	Positionning Barcode reader Camera	GPS tracking 1D/2D 5M pixels autofocus	Optional Optional Optional
Thermal Printer	Speed in lines/s Paper roll cage	up to 30 lines/s 2 1/4" (58 mm) width x Ø 40 mm	● ●
Terminal Connectivity	LAN Multicom	WiFi and Bluetooth 4G/LTE + WiFi + Bluetooth	● Optional
Terminal Connections	USB Power supply	Host & Slave Dedicated power Jack	● ●
Battery	Li-ion	2900mAh	●
Terminal Size		6.6" x 3.1" x 2.2" (169 x 78 x 57 mm)	●
Weight	Terminal + battery	11 oz (320 g)	●
Environment	Operating temperature Storage temperature Operating humidity	14°F to 122°F (-10°C to +50°C) -4°F to 131°F (-20°C to +55°C) 85% non-condensing at 104°F (+40°C)	● ● ●
Accessory	Car charger Docking-station	 Charger 2 RS232 USB Host USB Slave Modem Ethernet 10/100 Base T Bluetooth	Optional Optional Optional Optional Optional Optional Optional Optional
Security		PCI PTS 5.x	●

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www.ingenico.us

ingenico Smart terminals

AMANO McGANN

AMI-1200 Series

Universal Barrier Gate



The AMI-1200 Series Universal Barrier Gate is designed to control vehicles in both attended and unattended parking traffic lanes by means of a straight or folding aluminum gate arm. The on-board microprocessor provides flexible lane logic, control and functionality and supports three switch-selectable modes of operation to meet the needs of customer applications.

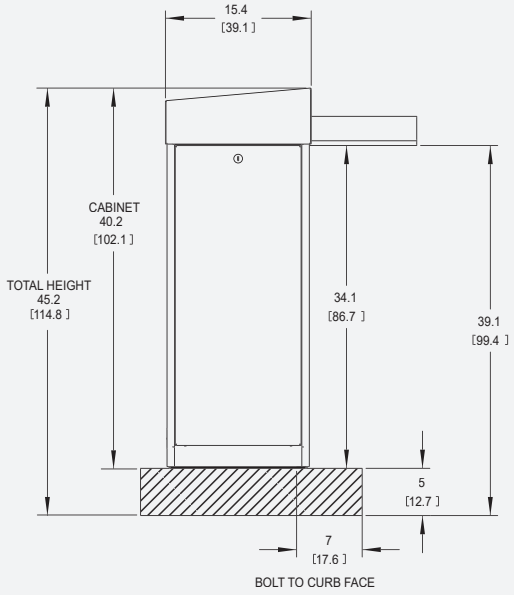
Features

- Two versions are available to meet the needs of various customer configurations
- DC direct drive motor minimizes gate arm droop
- Selectable "auto-up" or "auto-down" on power failure feature utilizing 12V battery
- Standard "extra-sensory" safety feature
- Able to store successive inputs for multi-vend applications
- Built-in detector harness supports two vehicle loop detectors for control of up to three loops
- One duplex 110V AC service convenience outlet (not available in 220V gate)
- Pedestal footprint design allows direct replacement of AGP and AMG gates
- Upper mechanism plate rotates in three directions independently of the pedestal for site-specific placement of the service access door
- Right-hand gate arm conversion kit is available

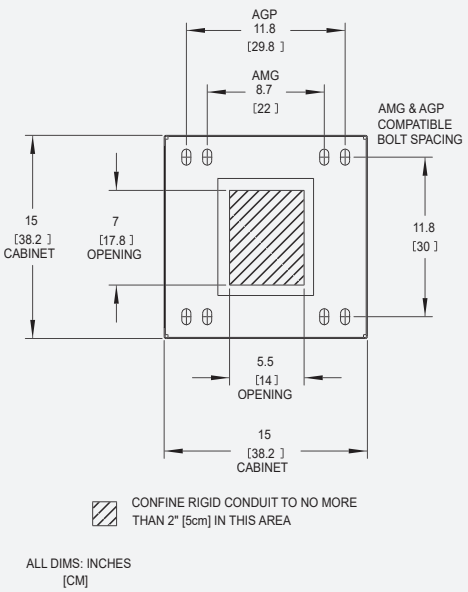
AMI-1200 Series

Universal Barrier Gate

CURB DIMENSIONS



BOLT LAYOUT



ALL DIMS: INCHES
[CM]

Manufactured by Amano McGann, Inc.
Specifications are approximate and are subject to change without notice.

SPECIFICATIONS

ELECTRICAL

Power: **Connections:**	120 VAC, 50/60 Hz One duplex utility power outlet, main power field box, main power switch with built-in circuit breaker
Power: **Connections:**	220/240 VAC, 50/60 Hz Main power field box, main power switch with built-in circuit breaker

MOTOR CHARACTERISTICS

High Torque Motor:	1/6 Hp DC direct drive gear motor
Speed:	3600 RPM
Starting amps:	7.7 amps (100 msec) without heater (120V)
Running amps:	4.0 amps (120V)
Brush Life:	3-million gate cycles

GEARBOX CHARACTERISTICS

Gear Ratio:	111:1
Torque Rating:	644 in-lbs.

GATE ARM CHARACTERISTICS

Height:	34" (86 cm) in down position from bottom of cabinet
Length:	AL35 (LH): 11', (323 cm) – folding gate arm – aluminum AL40 (RH): 11', (323 cm) – folding gate arm – aluminum AL12: 12', (365 cm) – aluminum AL10: 10', (304.8 cm) - aluminum

ENVIRONMENTAL

Temperature:	0°F to 122°F; -22°F with heater option
Humidity:	10% to 90% humidity (non-condensing)

CABINET

Heavy-duty, 14-gauge all weather steel construction

Direct replacement footprint for other Amano McGann gates

Dimensions:	40.2" H x 15.4" W x 15.4" D (102.11 cm x 39.12 cm x 39.12 cm)
Access:	Removable hood on drive mechanism (360° access) Removable door with keyed latching lock
Finish (Standard):	White (RAL 9010), OPUS and Overture Gray (RAL 7022), AMG Gray Classic, Amano Light Gray (RAL 7047), Custom colors available

MICROPROCESSOR-BASED CONTROLLER

Gate up/normal/down switch (internal manual override)

Two built-in detector sockets will accept single channel (EOE-122510) or dual channel (EOE-122520) vehicle detectors to support a maximum of three loops. One dual detector included.

Operational Modes:	Free way, one way, two way
Switch Selectable Features:	"Extra sensory" timer, closing loop safety "auto stop", backout timer, backout mode, power fail arm position and multi-vend

Versions

	AMI-1210/XX2 Online Version	**AMI-1210/XX3 Integrated Field Connect Board Version**
Designed for:	OPUSeries	Overture, and readers that utilize the MT-280 board
Communications:	Serial to IO100	Dry contact I/O
Field connect I/O kit:	Optional kit	Included
Digital I/O:	Yes	No
Analog I/O:	No	Yes

Options

A-0110/000-5000	Heater Kit required for temperatures below 0°F
A-0110/0S0-0100	Left-hand to Right-hand Field Conversion Kit
A-0110/000-1000	Door Switch Kit
A-0110/000-8000	Audible Alarm

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AMANO McGANN

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NORTECH



Vehicle Detector Products

Nortech's range of parking and traffic detectors satisfy a wide range of applications and budgets.

All of our detectors are extremely robust and have been designed to monitor vehicle activity above an inductive wire loop buried under the road surface.

The detectors can be programmed to provide status/event data via relay contacts or opto-isolated outputs to external control/monitoring equipment. The outputs can indicate the presence or movement of a vehicle over the detection loop(s), together with information relating to its direction of travel, speed, length, headway, etc. as required by a particular application. They can also indicate any fault detected in the loop.

Product Families



3-Series Parking



8-Series Parking

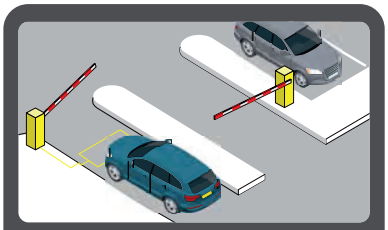


8-Series Traffic

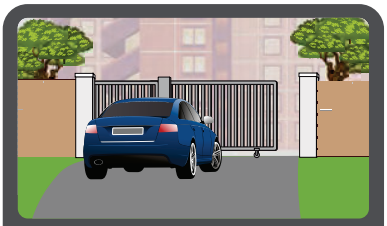
Common Benefits

- Compact size & elegant styling
- Robust design
- Single/dual channel options
- Diagnostic capabilities
- Select-able permanent presence
- Loop isolation protection
- Automatic Sensitivity Boost

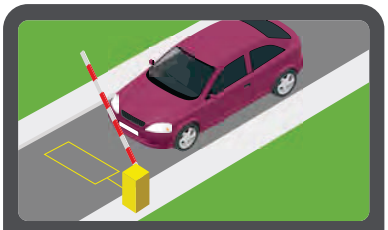
Applications



Parking Barrier



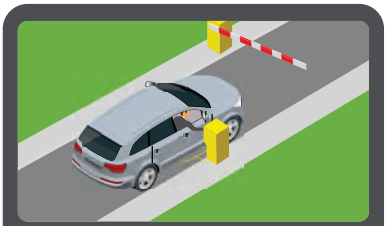
Motorised Gate



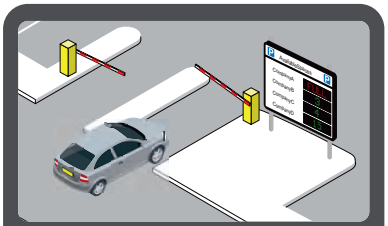
Safety Loop



Traffic Control



Arming Control



Vehicle Counting

nortechcontrol.com

t: +44 (0) 1633 485533
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e: info@nortechcontrol.com

Nortech Control Systems Ltd.
Nortech House,
William Brown Close,
Llantarnam Park, Cwmbran,
NP44 3AB, United Kingdom

PEOPLE & VEHICLE ACCESS SOLUTIONS

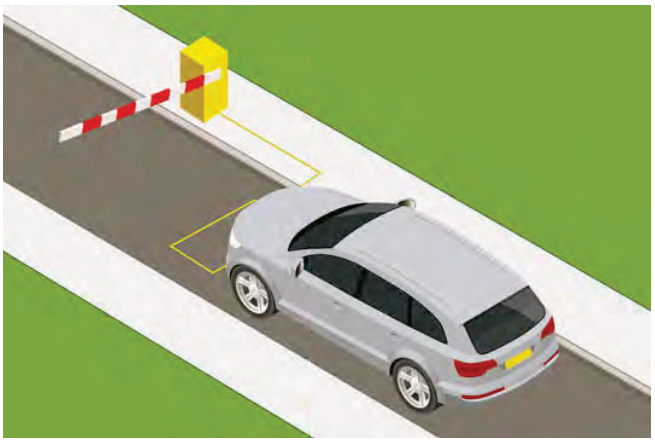


3-Series Parking Detectors

Key Features

- Proven reliability over many years
- Compact size & elegant styling
- Plug-in in relay style mount
- Settings via front panel switches
- Diagnostic capabilities using DU100
- Permanent presence selection
- Loop frequency indication
- Automatic Sensitivity Boost (ASB)

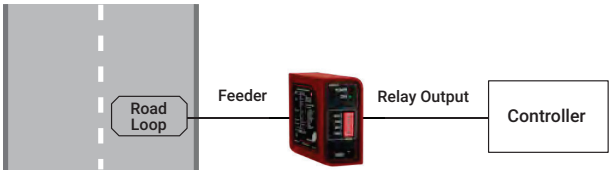
Operating Principle



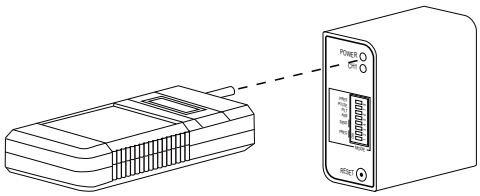


DU100

Detector diagnostic unit



3-Series Diagnostics





Ordering Information - 3-Series Single Channel Parking

PD132	Single channel, boxed, 230V AC
PD134	Single channel, boxed, 12-24 V AC/DC
DU100	Detector diagnostic unit



Ordering Information - 3-Series Dual Channel Parking

PD232	Dual channel, boxed, 230V AC
PD234	Dual channel, boxed, 12-24 V AC/DC

AMANO McGANN

Vehicle Detector Loops

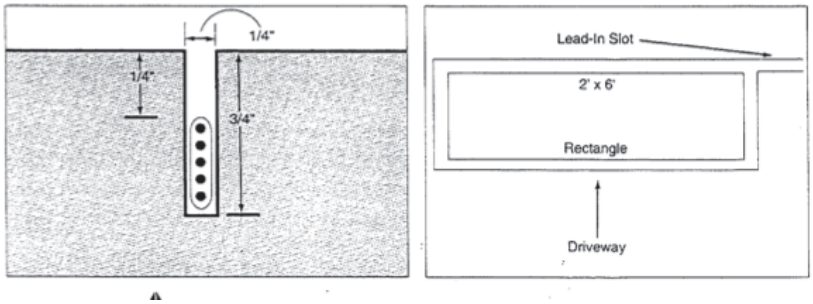
Dimensions

The five-turn loop has a perimeter of 16'. Thelead-in wire is twisted 12 turns per foot and is 25' long. For use in operation of gates or ticket printers, the loop should be installed in a 2' x 6' rectangular groove centered in the traffic lane. The L6 4' x 8' loop with 25' lead-in and L7 6' x 12' loop with 25' lead-in are also available for special applications.

Installation

Refer to the Amano McGann site installation drawings for placement of the loop groove. A heavy-duty electrical carpentry saw equipped with a masonry blade can be used.

1. Reinforcing concrete steel rods or steel mesh should be at least 2" below the loop. This is particularly important if steel mesh is used, as sensitivity may be affected.
2. Cut 3 sides of the appropriately sized rectangular groove centered in the traffic lane 1/4" wide and 3/4" to 1" deep. Also cut a groove for the lead-in wire to come out of the loop on the corner nearest to the control equipment.
3. Lay the loop in the groove to determine the exact location of the fourth side of the rectangle, and finish cutting the groove.
4. Place the loop and lead-in wire in the groove. Run the lead-in wire to the vehicle detector.
5. Cover the detector loop and groove with a suitable sealer, following manufacturer's instructions.



The Amano McGann Vehicle Detector Loop is a high-performance extension of the vehicle detectors utilized with Amano McGann systems and is designed to operate with gate and ticket printer control, counting, and other applications in parking facilities.

The loop consists of five turns of Teflon coated wire wrapped in vinyl plastic tape. Teflon is the most suitable material available for direct burial operation.

The loop possesses outstanding physical and electrical properties, resisting oils, heat, cold, water, gasoline, acids, alkalis, and solvents that are likely to be encountered during parking installations. The #18AWG wire consists of concentrically stranded silver-coated copper conductors, manufactured to MIL-W-16878 military specifications.

Specifications are approximate and are subject to change without notice.



RIB Building Automation

Functional Devices, Inc.
101 Commerce Drive
Sharpsville, IN 46068

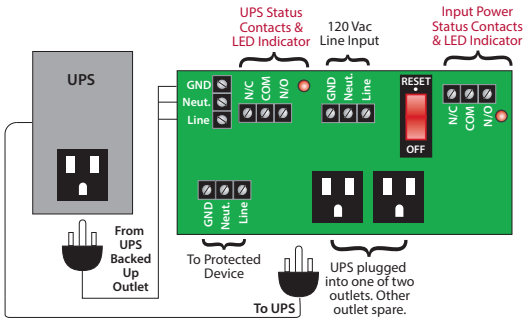
Confidence & Peace of Mind in Every Box™
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sales@functionaldevices.com

Office: (765) 883-5538
Fax: (765) 883-7505
Toll Free: (800) 888-5538

UNINTERRUPTABLE POWER SUPPLY KIT

PSH850-UPS-STAT

850VA UPS Backup Power Control Center, Status Contacts, 14" x 16" x 6" Metal Enclosure





Shown With Cover



Shown Without Cover

SPECIFICATIONS

UPS

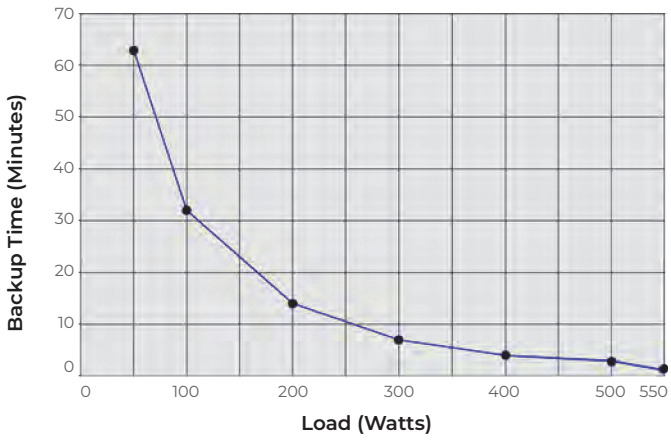
UPS: 850VA
Backup Time: 2 Min. @ Full 850 VA Load 8 Min. @ 1/2 Load
Input: 120 Vac, 12 Amp
Sine Wave Output: 120 Vac, 7.1 Amp
Max Load: 510 Watt
Frequency: 50/60 Hz
UPS Temperature Rating: 32 to 95° F
UPS Transfer Time: 4ms
Approvals: UL Listed, UL1778 Cyber
Model: Power Model 850PFCLCD

PSH2C2RB10-L

Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Main Breaker ON/OFF: Switch / Breaker (10 Amp)
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Dimensions: 14.000" H x 16.000" W x 6.000"D Metal Housing with Screw Cover
Origin: Made of US and non-US parts

SINUSOIDAL OUTPUT OR PURE SINE WAVE OUTPUT

ESTIMATED BACKUP TIME VS. LOAD



Line Input Status Contacts & UPS Output Status Contacts Rated:
10 Amp @ 277 Vac General Use
10 Amp @ 30 Vdc (N/O)
7 Amp @ 30 Vdc (N/C)
1/2 HP @ 125 Vac
1/4 HP @ 277 Vac
1000 VA @ 120 Vac Magnetic Ballast (N/C)
C300 Pilot Duty
16.8 VA @ 24 Vac Pilot Duty

UPS Status Contacts & LED Indicator
The UPS status contacts and LED indicate power from the UPS. When normal power is present, the relay is energized, and the LED is on. When normal power is lost, the relay will be energized as long as the UPS can sustain it (until the UPS battery is depleted), and the LED is on.

Input Power Status Contacts & LED Indicator
The input power status contacts and LED indicate the presence of normal power. When normal power is present, the relay is energized, and the LED is on. When normal power is lost, the relay is de-energized, and the LED is off.

Notes:
To order without UPS, so that any other commercial UPS with appropriate ratings and within housing space limitations may be used, see model PSH2C2RB10-L.

To order interface board for replacement or for separate use, order model PSMN2C2RB10.

Typical battery life: 3-6 years, depending on number of discharge/recharge cycles

PRODUCT ID: 5887

Outdoor Blank-out LED Direct-view Sign

MODEL
TCL718GR-100/120-277VAC

DIMENSIONS
7" H x 18" W x 2.5" D (est. 4.335 lbs)

CLASS
CLASS: TCL Series
Control Method: Switch (not included) or external relay.

CONSTRUCTION
Back Construction: 0.050" Lift-n-Shift Back
Cabinet: 1-piece, corrosion resistant, extruded aluminum frame, 2.5" deep.
Face Material: 1/8" impact resistant, smoke-tinted polycarbonate (5109)
Faces: Single Faced Sign
Finish: Duranodic Bronze
Mounting Channel: None

ELECTRICAL
Flashing: Not Included
Input Voltage: 120-277 VAC
Photodimming: None
UL/cUL Listed: Listed for wet locations

MESSAGE
Illumination: Super bright direct view LEDs. Message blanks out when off.
Sign Messages: See message table below

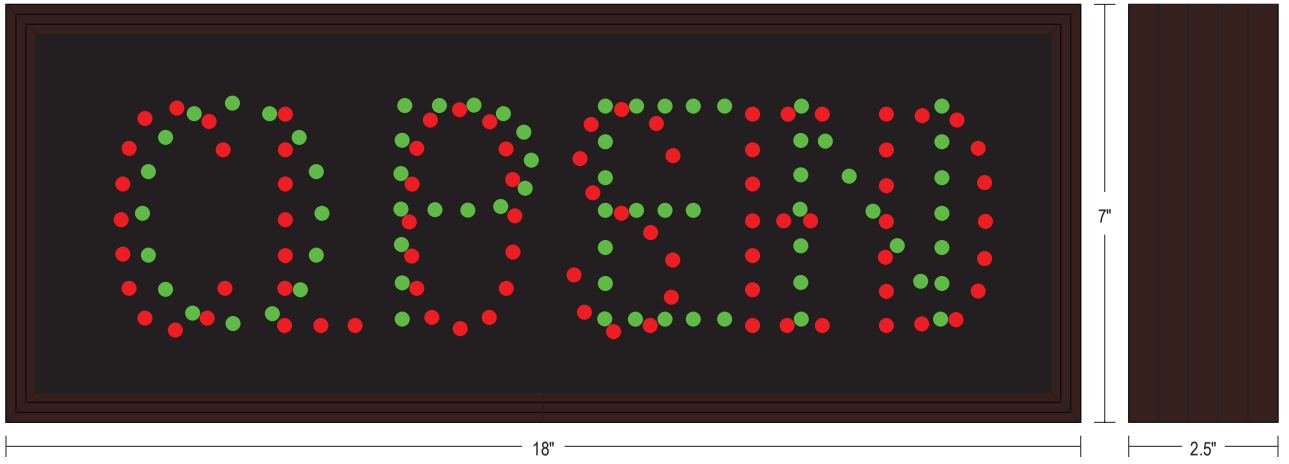
MESSAGE	LED/COLOR	HEIGHT	AMPS
OPEN	Green Wide Angle LED	3.5"	0.055-0.024
CLOSED	Red Wide Angle LED	3.5"	0.041-0.018

NOTE: Above messages are independently controlled.

Signal-Tech
4985 Pittsburgh Ave.
Erie, PA 16509
Phone: (877) 547-9900
Fax: (814) 835-2300
Email: sales@signal-tech.com
Website: www.signal-tech.com

Product View

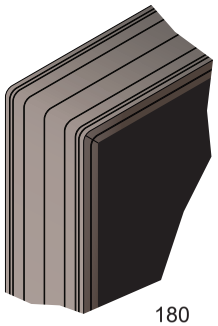
NOTE: Sign image may not exactly represent the finished product. For illustration purposes only.



Sample Display Options



Frame Detail



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Parking System Reports

OVERVIEW

Amano ONE delivers interactive dashboards and a powerful, responsive design to manage your parking data and generate best in class reporting from any web enabled device. The built-in reporting tool allows you to filter, sort, and report on the data without customization. Data can be exported to a wide variety of formats to fit the needs of your financial applications. Each report can have applicable configurations and filters, and the reporting suite supports exporting a report to PDF, XLS, CSV file formats at a minimum.





STANDARD REPORTS

Credential Access Reports

- Access Holder Activity Report
- Access Holder Detail Report
- Access Holder Status Report
- Hotel Self-Park Guest Report
- Prepaid Pass Report
- Prepaid Pass Status Report
- Shared Account Activity Report
- Valet Activity Report

Occupancy Reports

- Count Activity Differentials Report
- Count Activity Non-Reset Report
- Count Statistics Report

Revenue & Validation Reports

- Cashier Shift Report
- Flexible Parking Account Report
- Grace and Lag Transaction Report
- Hotel Self-Park Charges Report
- Over Usage Report
- Prepaid Pass Report
- Rate Details Report
- Revenue Transaction Report
- Summary Totals Report
- Time Parament Report
- Transaction Details Report
- Validation Statement Summary Report

Statistics & Analytics Reports

- Duration of Stay Report
- Entry Exit Report
- Parking Fee Report

System & Operations Reports

- Alarms & Alerts Report
- Call Center Report
- Cash Inventory Report
- Dispenser Transaction Report
- Rate Detail Report
- Ticket Status Report
- User Actions Report

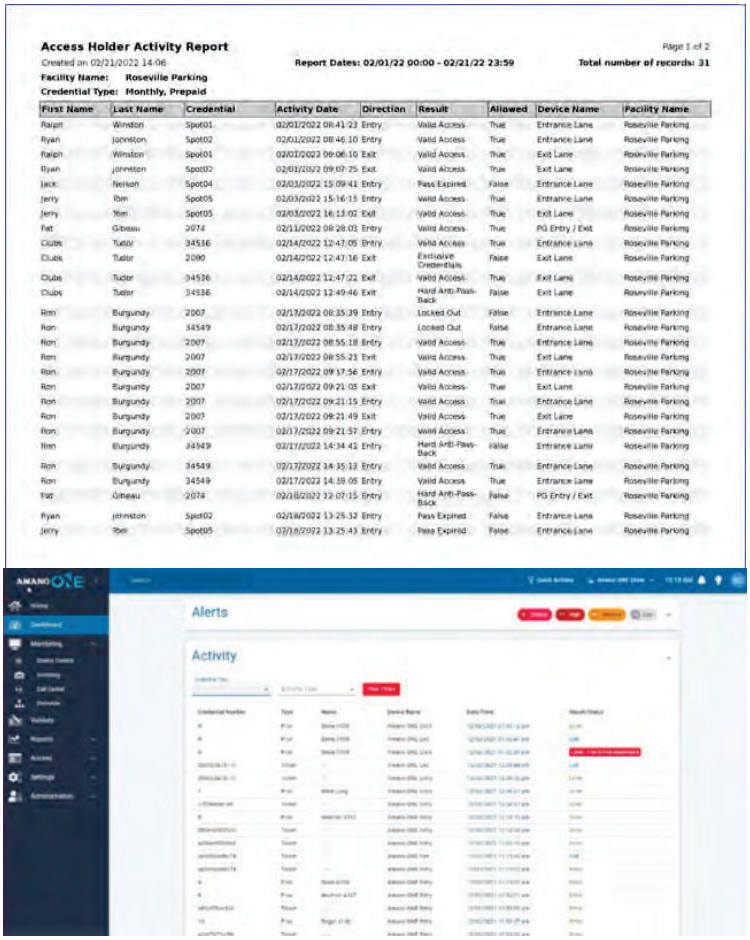
AMANO ONE

Amano ONE
Series

Parking System Reports

ACCESS HOLDER ACTIVITY REPORT

This report provides management with key information and details on the tenant access transactions processed over a period of time that you determine. These details can confirm the actual usage by your cardholders to determine their level of occupancy on a day-to-day, weekly, or monthly basis. Utilization details and projections can then be made by management that allows you to "over sell" your facility to drive revenues and occupy spaces that otherwise go unused.



Access Holder Activity Report

Created on 02/21/2022 14:06 — Report Dates: 02/01/22 00:00 - 02/21/22 23:59 — Page 1 of 2 — Total number of records: 31

Facility Name: Roseville Parking
Credential Type: Monthly, Prepaid

First Name	Last Name	Credential	Activity Date	Direction	Result	Allowed	Device Name	Facility Name
Ralph	Winston	Spot01	02/01/2022 08:41:23	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ryan	Johnston	Spot02	02/01/2022 08:46:10	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ralph	Winston	Spot01	02/01/2022 09:06:10	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ryan	Johnston	Spot02	02/01/2022 09:07:25	Exit	Valid Access	True	Exit Lane	Roseville Parking
Jack	Nelson	Spot04	02/03/2022 15:09:41	Entry	Pass Expired	False	Entrance Lane	Roseville Parking
Jerry	Ibm	Spot05	02/03/2022 15:16:15	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Jerry	Ibm	Spot05	02/03/2022 16:13:02	Exit	Valid Access	True	Exit Lane	Roseville Parking
Pat	Gibeau	2074	02/11/2022 08:28:03	Entry	Valid Access	True	PG Entry / Exit	Roseville Parking
Clubs	Tudor	34536	02/14/2022 12:47:05	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Clubs	Tudor	2090	02/14/2022 12:47:16	Exit	Exclusive Credentials	False	Exit Lane	Roseville Parking
Clubs	Tudor	34536	02/14/2022 12:47:22	Exit	Valid Access	True	Exit Lane	Roseville Parking
Clubs	Tudor	34536	02/14/2022 12:49:46	Exit	Hard Anti-Pass-Back	False	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 08:35:39	Entry	Locked Out	False	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 08:35:48	Entry	Locked Out	False	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 08:55:18	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 08:55:23	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:17:56	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:05	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:15	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:49	Exit	Valid Access	True	Exit Lane	Roseville Parking
Ron	Burgundy	2007	02/17/2022 09:21:57	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 14:34:42	Entry	Hard Anti-Pass-Back	False	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 14:35:13	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Ron	Burgundy	34549	02/17/2022 14:38:05	Entry	Valid Access	True	Entrance Lane	Roseville Parking
Pat	Gibeau	2074	02/18/2022 12:07:15	Entry	Hard Anti-Pass-Back	False	PG Entry / Exit	Roseville Parking
Ryan	Johnston	Spot02	02/18/2022 13:25:32	Entry	Pass Expired	False	Entrance Lane	Roseville Parking
Jerry	Ibm	Spot05	02/18/2022 13:25:43	Entry	Pass Expired	False	Entrance Lane	Roseville Parking

OCCUPANCY REPORT

The Amano ONE cloud-based software platform captures all real-time activity in your facility. Count data detail is critical in understanding the occupancy and utilization of your parking assets to drive revenue performance and improve the customer experience. The report quickly identifies differentiated space occupancy and availability for visitor, cardholder contract parking, and total facility using the built-in report engine filter. Date ranges can be used to capture historical count data which can provide operations the budgeting and workforce information to better manage their customer expectations and forecasting. The operations team can also use this data to "oversell" the facility on a day-to-day basis to address visitor parking demands improving customer service and increasing your revenue.

Count Activity Differentials Report

Created on 05/27/2022 12:13 — Report Dates: 05/26/22 00:00 - 05/26/22 23:59

Facility Name: Roseville Parking
Count Type: Occupied

Date and Time	Contract	Facility	Transient
05/26/2022 00:00	88	226	95
05/26/2022 01:00	88	226	95
05/26/2022 02:00	88	226	95
05/26/2022 03:00	88	226	95
05/26/2022 04:00	88	226	95
05/26/2022 05:00	88	226	95
05/26/2022 06:00	88	226	95
05/26/2022 07:00	88	226	95
05/26/2022 08:00	88	226	95
05/26/2022 09:00	89	227	95
05/26/2022 10:00	89	237	95
05/26/2022 11:00	89	237	95
05/26/2022 12:00	89	237	95
05/26/2022 13:00	89	237	95
05/26/2022 14:00	89	237	95
05/26/2022 15:00	90	238	95
05/26/2022 16:00	90	238	95
05/26/2022 17:00	90	238	95
05/26/2022 18:00	90	238	95
05/26/2022 19:00	90	238	95
05/26/2022 20:00	90	238	95
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05/26/2022 22:00	90	238	95
05/26/2022 23:00	90	238	95

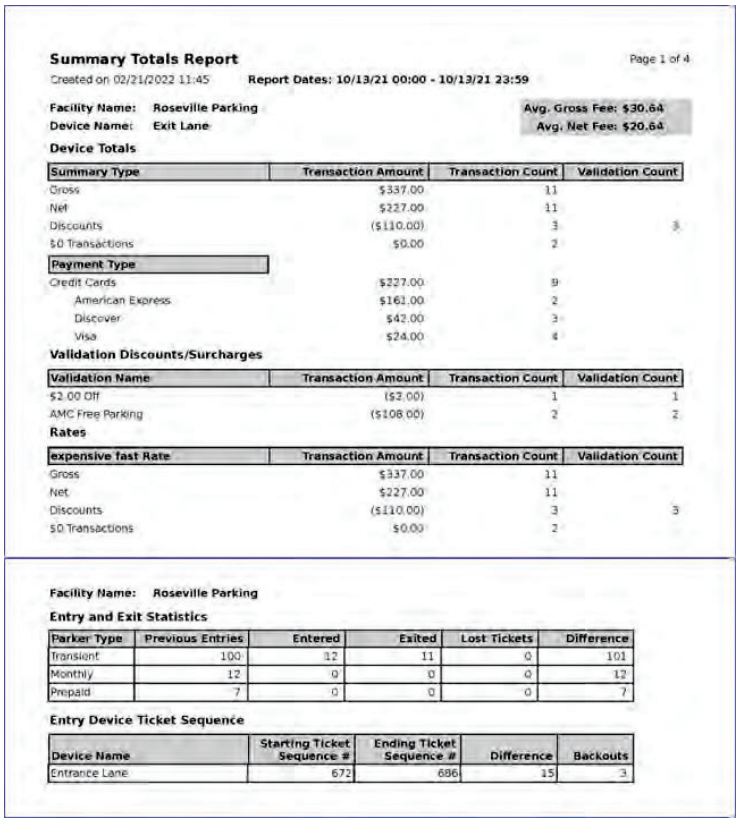
AMANO ONE

Amano McGann, Inc. ⋮ 2699 Patton Road ⋮ Roseville, MN 55113 USA ⋮ Tel: (612) 331-2020 ⋮ www.amanomcgann.com
Amano McGann Canada Inc. ⋮ 4123 Belgreen Dr Unit 1 ⋮ Ottawa, ON K1G 3N2 Canada ⋮ 1-877-408-6776
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AMANO McGANN

SUMMARY TOTALS REPORT

Accurate revenue reporting is obviously a key component to any successful operation of your parking asset. The Amano ONE Summary Report not only shows the revenue gross and net, but also segregates the dollars by credit card type, and the discounts or surcharges revenue and activity. As with all the reporting available in Amano ONE, you determine the range of dates, facilities, and devices that you want to report on. Entry and exit statistics are also conveniently displayed in this report detailing the transient, monthly, and prepaid parker activities.



Summary Totals Report

Page 1 of 4

Created on 02/21/2022 11:45 **Report Dates: 10/13/21 00:00 - 10/13/21 23:59**

Facility Name: Roseville Parking
Device Name: Exit Lane

Avg. Gross Fee: $30.64
Avg. Net Fee: $20.64

Device Totals

Summary Type	Transaction Amount	Transaction Count	Validation Count
Gross	$337.00	11	
Net	$227.00	11	
Discounts	($110.00)	3	3
$0 Transactions	$0.00	2	
Payment Type			
Credit Cards	$227.00	9	
American Express	$161.00	2	
Discover	$42.00	3	
Visa	$24.00	4	

Validation Discounts/Surcharges

Validation Name	Transaction Amount	Transaction Count	Validation Count
$2.00 Off	($2.00)	1	1
AMC Free Parking	($108.00)	2	2

Rates

expensive fast Rate	Transaction Amount	Transaction Count	Validation Count
Gross	$337.00	11	
Net	$227.00	11	
Discounts	($110.00)	3	3
$0 Transactions	$0.00	2	

Facility Name: Roseville Parking

Entry and Exit Statistics

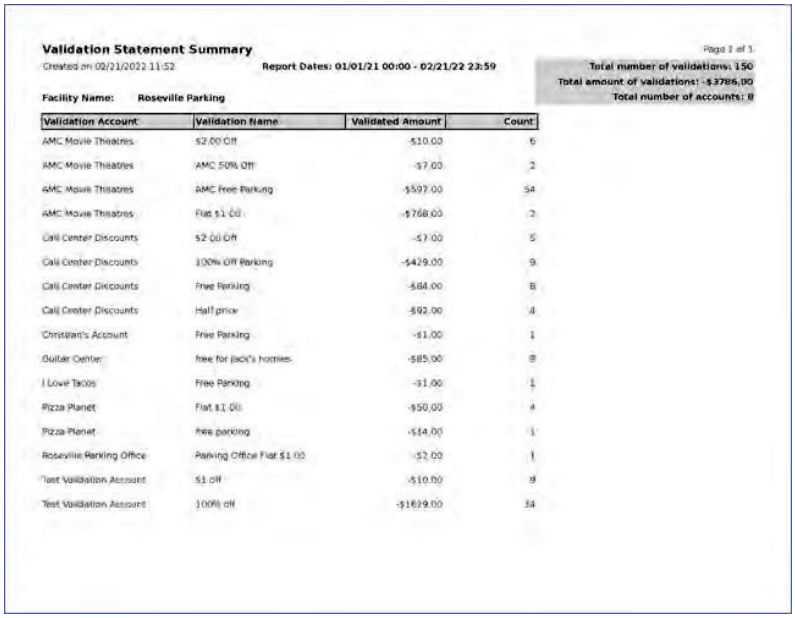
Parker Type	Previous Entries	Entered	Exited	Lost Tickets	Difference
Transient	100	12	11	0	101
Monthly	12	0	0	0	12
Prepaid	7	0	0	0	7

Entry Device Ticket Sequence

Device Name	Starting Ticket Sequence #	Ending Ticket Sequence #	Difference	Backouts
Entrance Lane	672	686	15	3

VALIDATION STATEMENT REPORT

Discount revenue dollars are important to your merchants and tenants to provide their customers the incentives for conducting business at your property. These amenities require quick and responsive reporting on these activities to ensure that the revenue is being collected and the validation account and discount are being properly enforced. The Validation Statement report provides you with a summary by validation account of the discount revenue that is been processed.



Validation Statement Summary

Page 1 of 1

Created on 02/21/2022 11:52 **Report Dates: 01/01/21 00:00 - 02/21/22 23:59**

Total number of validations: 150
Total amount of validations: -$3786.00
Total number of accounts: 8

Facility Name: Roseville Parking

Validation Account	Validation Name	Validated Amount	Count
AMC Movie Theatres	$2.00 Off	-$10.00	6
AMC Movie Theatres	AMC 50% Off	-$7.00	2
AMC Movie Theatres	AMC Free Parking	-$597.00	54
AMC Movie Theatres	Flat $1.00	-$768.00	2
Call Center Discounts	$2.00 Off	-$7.00	5
Call Center Discounts	100% Off Parking	-$429.00	9
Call Center Discounts	Free Parking	-$84.00	8
Call Center Discounts	Half price	-$92.00	4
Christian's Account	Free Parking	-$1.00	1
Guitar Center	free for jack's homies	-$85.00	8
I Love Tacos	Free Parking	-$1.00	1
Pizza Planet	Flat $1.00	-$50.00	4
Pizza Planet	free parking	-$14.00	1
Roseville Parking Office	Parking Office Flat $1.00	-$2.00	1
Test Validation Account	$1 Off	-$10.00	9
Test Validation Account	100% off	-$1629.00	34

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DURATION OF STAY REPORT

The Amano ONE technology has the ability to program and process unlimited rate structures giving you a wide range of revenue control options. However, when implementing a variable rate structure for your facility that charges your guests based on the time they have parked, can only maximize the revenue performance if the rate is implemented during "peak" parking times. The Duration of Stay report generates the details that show you by your rate structure time frames not only the % of total transactions but the gross revenue and what percentage it represents. By effectively using this report and modifying your rate structures you can significantly increase transient revenue activity.

Duration Report

Page 1 of 4

Created on 02/21/2022 11:26 **Report Dates: 01/01/21 00:00 - 12/31/21 23:59**

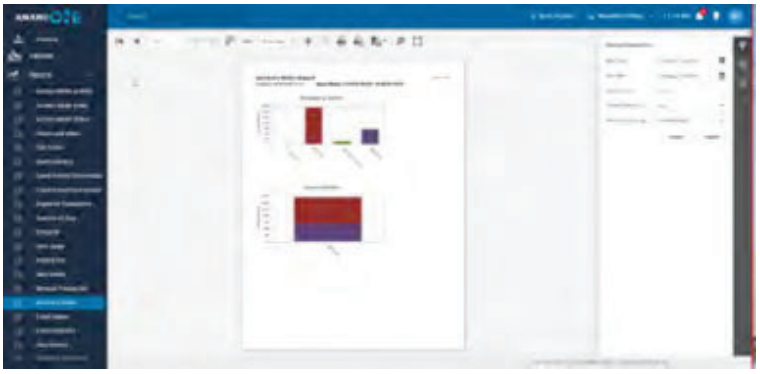
TRANSIENT ACTIVITY

Facility Name: Roseville Parking

Time Categories From	To	Transaction Count	% of Total Transactions	Gross Amount	% of Total Amount	Average Gross Amount
0 hr	0 hr 30 mn	192	48.12%	$642.00	10.98%	$3.34
0 hr 30 mn	1 hr	26	6.52%	$756.00	12.93%	$29.08
1 hr	1 hr 30 mn	22	5.51%	$383.50	6.56%	$17.43
1 hr 30 mn	2 hr	13	3.26%	$82.00	1.40%	$6.31
2 hr	2 hr 30 mn	11	2.76%	$143.00	2.45%	$13.00
2 hr 30 mn	3 hr	18	4.51%	$341.00	5.83%	$18.94
3 hr	4 hr	25	6.27%	$196.00	3.35%	$7.84
4 hr	5 hr	11	2.76%	$177.00	3.03%	$16.09
5 hr	6 hr	3	0.75%	$178.00	3.04%	$59.33
6 hr	7 hr	5	1.25%	$451.00	7.71%	$90.20
7 hr	8 hr	1	0.25%	$8.00	0.14%	$8.00
8 hr	9 hr	0	0.00%	$0.00	0.00%	$0.00
9 hr	10 hr	2	0.50%	$48.00	0.82%	$24.00
10 hr	11 hr	1	0.25%	$20.00	0.34%	$20.00
11 hr	12 hr	0	0.00%	$0.00	0.00%	$0.00
12 hr	13 hr	0	0.00%	$0.00	0.00%	$0.00
13 hr	14 hr	4	1.00%	$88.00	1.51%	$22.00
14 hr	15 hr	2	0.50%	$280.00	4.79%	$140.00
15 hr	16 hr	3	0.75%	$486.00	8.31%	$162.00
16 hr	24 hr	47	11.78%	$1091.00	18.66%	$23.21
24 hr	36 hr	13	3.26%	$476.00	8.14%	$36.62
36 hr	48 hr	0	0.00%	$0.00	0.00%	$0.00
48 hr	60 hr	0	0.00%	$0.00	0.00%	$0.00
60 hr	72 hr	0	0.00%	$0.00	0.00%	$0.00
72+ hr		0	0.00%	$0.00	0.00%	$0.00

DASHBOARD VIEWS







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C.14 Appendix C – PA DSS Report of Validation

The Amano ONE system utilizes P2PE certified devices from Windcave and manages stored credit cards through tokenization. Since Amano ONE does not handle or store any credit card data, we are considered out of scope for PA DSS compliance. Further details on Windcave and the credit card solution implemented with Amano ONE have been provided in the following Attestation of Compliance document.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.



Payment Card Industry
Data Security Standard

Attestation of Compliance for Self-Assessment Questionnaire D for Service Providers

For use with PCI DSS Version 4.0

Revision 2

Publication Date: August 2023

Section 1: Assessment Information

Instructions for Submission

This document must be completed as a declaration of the results of the entity's self-assessment against the *Payment Card Industry Data Security Standard (PCI DSS) Requirements and Testing Procedures.* Complete all sections: The entity is responsible for ensuring that each section is completed by the relevant parties, as applicable. Contact the entity(ies) to which the Attestation of Compliance (AOC) will be submitted for reporting and submission procedures.

This AOC reflects the results documented in an associated Self-Assessment Questionnaire (SAQ).

Capitalized terms used but not otherwise defined in this document have the meanings set forth in the PCI DSS Self-Assessment Questionnaire.

Part 1. Contact Information	
Part 1a. Assessed Entity	
Company name:	Amano McGann, Inc
DBA (doing business as):	
Company mailing address:	2699 Patton Road Roseville, MN 55113
Company main website:	www.amanomcgann.com
Company contact name:	Jim Kinahan
Company contact title:	CFO & Executive Vice President
Contact phone number:	612-331-2020
Contact e-mail address:	jim.kinahan@amanomcgann.com
Part 1b. Assessor	
Provide the following information for all assessors involved in the assessment. If there was no assessor for a given assessor type, enter Not Applicable.	
PCI SSC Internal Security Assessor(s)	
ISA name(s):	Mike Knode
Qualified Security Assessor	
Company name:	
Company mailing address:	
Company website:	
Lead Assessor Name:	
Assessor phone number:	
Assessor e-mail address:	
Assessor certificate number:	

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Part 2. Executive Summary

Part 2a. Scope Verification

Services that were INCLUDED in the scope of the PCI DSS Assessment (select all that apply):

Name of service(s) assessed:	AmanoONE	
Type of service(s) assessed:		
Hosting Provider: ☐ Applications / software ☐ Hardware ☐ Infrastructure / Network ☐ Physical space (co-location) ☐ Storage ☐ Web-hosting services ☐ Security services ☐ 3-D Secure Hosting Provider ☒ Multi-Tenant Service Provider ☐ Other Hosting (specify):	**Managed Services:** ☐ Systems security services ☐ IT support ☐ Physical security ☐ Terminal Management System ☐ Other services (specify):	**Payment Processing:** ☒ POI / card present ☒ Internet / e-commerce ☐ MOTO / Call Center ☐ ATM ☐ Other processing (specify):
☐ Account Management	☐ Fraud and Chargeback	☐ Payment Gateway/Switch
☐ Back-Office Services	☐ Issuer Processing	☐ Prepaid Services
☐ Billing Management	☐ Loyalty Programs	☐ Records Management
☐ Clearing and Settlement	☐ Merchant Services	☐ Tax/Government Payments
☐ Network Provider		
☐ Others (specify):		

***Note**: These categories are provided for assistance only and are not intended to limit or predetermine an entity's service description. If these categories do not apply to the assessed service, complete "Others." If it is not clear whether a category could apply to the assessed service, consult with the entity(ies) to which this AOC will be submitted.*

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Part 2. Executive Summary *(continued)*

Part 2a. Scope Verification *(continued)*

Services that are provided by the service provider but were NOT INCLUDED in the scope of the PCI DSS Assessment (select all that apply):

Name of service(s) not assessed:	

Type of service(s) not assessed:

Hosting Provider:	**Managed Services:**	**Payment Processing:**
☐ Applications / software	☐ Systems security services	☐ POI / card present
☐ Hardware	☐ IT support	☐ Internet / e-commerce
☐ Infrastructure / Network	☐ Physical security	☐ MOTO / Call Center
☐ Physical space (co-location)	☐ Terminal Management System	☐ ATM
☐ Storage	☐ Other services (specify):	☐ Other processing (specify):
☐ Web-hosting services		
☐ Security services		
☐ 3-D Secure Hosting Provider		
☐ Multi-Tenant Service Provider		
☐ Other Hosting (specify):		
☐ Account Management	☐ Fraud and Chargeback	☐ Payment Gateway/Switch
☐ Back-Office Services	☐ Issuer Processing	☐ Prepaid Services
☐ Billing Management	☐ Loyalty Programs	☐ Records Management
☐ Clearing and Settlement	☐ Merchant Services	☐ Tax/Government Payments
☐ Network Provider		
☐ Others (specify):		

Provide a brief explanation why any checked services were not included in the assessment:	

Part 2b. Description of Role with Payment Cards

Describe how the business stores, processes, and/or transmits account data.	All POI and e-commerce PAN/SAD is handled by P2PE readers/redirects.
Describe how the business is otherwise involved in or has the ability to impact the security of its customers' account data.	Amano One has no access to PAN/SAD.
Describe system components that could impact the security of account data.	Amano One has no access to PAN/SAD.

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Part 2. Executive Summary *(continued)*

Part 2c. Description of Payment Card Environment

Provide a ***high-level*** description of the environment covered by this assessment. *For example:* • *Connections into and out of the cardholder data environment (CDE).* • *Critical system components within the CDE, such as POI devices, databases, web servers, etc., and any other necessary payment components, as applicable.* • *System components that could impact the security of account data.*	No CDE from Amano One perspective. All POI devices use P2PE readers. Payment pages are redirected to secure payment processor. Parking facility equipment (POI) only uses exclusively P2PE readers. E-commerce page redirects to secure payment processor. At no time, does service provider have access to cardholder data.
Indicate whether the environment includes segmentation to reduce the scope of the assessment. *(Refer to "Segmentation" section of PCI DSS for guidance on segmentation.)*	☒ Yes ☐ No

Part 2d. In-Scope Locations/Facilities

List all types of physical locations/facilities—for example, corporate offices, data centers, call centers, and mail rooms—in scope for the PCI DSS assessment.

Facility Type	Total number of locations (How many locations of this type are in scope)	Location(s) of facility (city, country)
Example: Data centers	*3*	*Boston, MA, USA*
Cloud Provider	1	AWS
Parking Facilities	100+	Various locations across the US.

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Part 2. Executive Summary *(continued)*

Part 2e. PCI SSC Validated Products and Solutions

Does the entity use any item identified on any PCI SSC Lists of Validated Products and Solutions♦?

☒ Yes ☐ No

Provide the following information regarding each item the entity uses from PCI SSC's Lists of Validated Products and Solutions.

Name of PCI SSC-validated Product or Solution	Version of Product or Solution	PCI SSC Standard to which product or solution was validated	PCI SSC listing reference number	Expiry date of listing (YYYY-MM-DD)
Windcave P2PE Solution	PxSCR 1.3.*	P2PE v3.1	2022-00742.005	23 Nov 2025

♦ For purposes of this document, "Lists of Validated Products and Solutions" means the lists of validated products, solutions, and/or components appearing on the PCI SSC website (www.pcisecuritystandards.org)—for example, 3DS Software Development Kits, Approved PTS Devices, Validated Payment Software, Payment Applications (PA-DSS), Point to Point Encryption (P2PE) solutions, Software-Based PIN Entry on COTS (SPoC) solutions, and Contactless Payments on COTS (CPoC) solutions.

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Part 2. Executive Summary *(continued)*

Part 2f. Third-Party Service Providers

For the services being validated, does the entity have relationships with one or more third-party service providers that:

• Store, process, or transmit account data on the entity's behalf (for example, payment gateways, payment processors, payment service providers (PSPs), and off-site storage)	☒ Yes ☐ No
• Manage system components included in the scope of the entity's PCI DSS assessment—for example, via network security control services, anti-malware services, security incident and event management (SIEM), contact and call centers, web-hosting services, and IaaS, PaaS, SaaS, and FaaS cloud providers.	☒ Yes ☐ No
• Could impact the security of the entity's CDE—for example, vendors providing support via remote access, and/or bespoke software developers.	☐ Yes ☒ No

If Yes:

Name of service provider:	**Description of service(s) provided:**
AWS	IaaS
Windcave	P2PE Readers, e-commerce webpage redirects

Note: *Requirement 12.8 applies to all entities in this list.*

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Part 2. Executive Summary *(continued)*

Part 2g. Summary of Assessment

(SAQ Section 2 and related appendices)

Indicate below all responses provided within each principal PCI DSS requirement.

For all requirements identified as either "Not Applicable" or "Not Tested," complete the "Justification for Approach" table below.

Note: *One table to be completed for each service covered by this AOC. Additional copies of this section are available on the PCI SSC website.*

Name of Service Assessed: Amano One

PCI DSS Requirement	Requirement Responses *More than one response may be selected for a given requirement. Indicate all responses that apply.*				
	In Place	In Place with CCW	Not Applicable	Not Tested	Not in Place
Requirement 1:	☐	☐	☒	☐	☐
Requirement 2:	☒	☐	☒	☐	☐
Requirement 3:	☐	☐	☒	☐	☐
Requirement 4:	☐	☐	☒	☐	☐
Requirement 5:	☒	☐	☐	☐	☐
Requirement 6:	☒	☐	☒	☐	☐
Requirement 7:	☐	☐	☒	☐	☐
Requirement 8:	☒	☐	☒	☐	☐
Requirement 9:	☐	☐	☒	☐	☐
Requirement 10:	☒	☐	☐	☐	☐
Requirement 11:	☒	☐	☐	☐	☐
Requirement 12:	☒	☐	☐	☐	☐
Appendix A1:	☒	☐	☐	☐	☐
Appendix A2:	☐	☐	☒	☐	☐

Justification for Approach

For any Not Applicable responses, identify which sub-requirements were not applicable and the reason.	N/A Req. 1,3,4,7,9: Amano One does not have any people, processes or technology that directly store, process, or transmit cardholder data or sensitive authentication data as part of the Amano One product architecture. As a result, Amano One does not have a CDE. These requirements are considered the customer's responsibility with respect to their own CDE.
For any Not Tested responses, identify which sub-requirements were not tested and the reason.	

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Section 2: Self-Assessment Questionnaire D for Service Providers

Self-assessment completion date:	2024-08-10
Were any requirements in the SAQ unable to be met due to a legal constraint?	☐ Yes ☒ No

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Section 3: Validation and Attestation Details

Part 3. PCI DSS Validation

This AOC is based on results noted in SAQ D (Section 2), dated (Self-assessment completion date *YYYY-MM-DD*).

Indicate below whether a full or partial PCI DSS assessment was completed:

☒ X **Full** – All requirements have been assessed therefore no requirements were marked as Not Tested in the SAQ.

☐ **Partial** – One or more requirements have not been assessed and were therefore marked as Not Tested in the SAQ. Any requirement not assessed is noted as Not Tested in Part 2g above.

Based on the results documented in the SAQ D noted above, each signatory identified in any of Parts 3b–3d, as applicable, assert(s) the following compliance status for the entity identified in Part 2 of this document.

Select one:

☒	**Compliant:** All sections of the PCI DSS SAQ are complete, and all assessed requirements are marked as being either 1) In Place, 2) In Place with CCW, or 3) Not Applicable, resulting in an overall **COMPLIANT** rating; thereby *(Service Provider Company Name)* has demonstrated compliance with all PCI DSS requirements included in this SAQ except those noted as Not Tested above.
☐	**Non-Compliant:** Not all sections of the PCI DSS SAQ are complete, or one or more requirements are marked as Not in Place, resulting in an overall **NON-COMPLIANT** rating, thereby *(Service Provider Company Name)* has not demonstrated compliance with the PCI DSS requirements included in this SAQ. **Target Date** for Compliance: *YYYY-MM-DD* An entity submitting this form with a Non-Compliant status may be required to complete the Action Plan in Part 4 of this document. Confirm with the entity to which this AOC will be submitted *before completing Part 4.*
☐	**Compliant but with Legal exception:** One or more assessed requirements in the PCI DSS SAQ are marked as Not in Place due to a legal restriction that prevents the requirement from being met and all other assessed requirements are marked as being either 1) In Place, 2) In Place with CCW, or 3) Not Applicable, resulting in an overall **COMPLIANT BUT WITH LEGAL EXCEPTION** rating; thereby *(Service Provider Company Name)* has demonstrated compliance with all PCI DSS requirements included in this SAQ except those noted as Not Tested above or as Not in Place due to a legal restriction. This option requires additional review from the entity to which this AOC will be submitted. *If selected, complete the following:*

Affected Requirement	Details of how legal constraint prevents requirement from being met

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Part 3a. Service Provider Acknowledgement

Signatory(s) confirms:

(Select all that apply)

☒	PCI DSS Self-Assessment Questionnaire D, Version *4.0* was completed according to the instructions therein.
☒	All information within the above-referenced SAQ and in this attestation fairly represents the results of the entity's assessment in all material respects.
☒	PCI DSS controls will be maintained at all times, as applicable to the entity's environment.

Part 3b. Service Provider Attestation



Signature of Service Provider Executive Officer ↑	*Date:* YYYY-MM-DD 2024-08-23
Service Provider Executive Officer Name: Jim Kinahan	*Title:* CFO & EVP

Part 3c. Qualified Security Assessor (QSA) Acknowledgement

If a QSA was involved or assisted with this assessment, indicate the role performed:	☐ QSA performed testing procedures.
	☐ QSA provided other assistance. If selected, describe all role(s) performed:

Signature of Lead QSA ↑	*Date: YYYY-MM-DD*
Lead QSA Name:	

Signature of Duly Authorized Officer of QSA Company ↑	*Date: YYYY-MM-DD*
Duly Authorized Officer Name:	*QSA Company:*

Part 3d. PCI SSC Internal Security Assessor (ISA) Involvement

If an ISA(s) was involved or assisted with this assessment, indicate the role performed:	☒ ISA(s) performed testing procedures.
	☐ ISA(s) provided other assistance. If selected, describe all role(s) performed:

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Part 4. Action Plan for Non-Compliant Requirements

Only complete Part 4 upon request of the entity to which this AOC will be submitted, and only if the Assessment has a Non-Compliant status noted in Section 3.

If asked to complete this section, select the appropriate response for "Compliant to PCI DSS Requirements" for each requirement below. For any "No" responses, include the date the entity expects to be compliant with the requirement and a brief description of the actions being taken to meet the requirement.

PCI DSS Requirement	Description of Requirement	Compliant to PCI DSS Requirements (Select One)		Remediation Date and Actions (If "NO" selected for any Requirement)
		YES	NO	
1	Install and maintain network security controls	☒	☐	
2	Apply secure configurations to all system components	☒	☐	
3	Protect stored account data	☒	☐	
4	Protect cardholder data with strong cryptography during transmission over open, public networks	☒	☐	
5	Protect all systems and networks from malicious software	☒	☐	
6	Develop and maintain secure systems and software	☒	☐	
7	Restrict access to system components and cardholder data by business need to know	☒	☐	
8	Identify users and authenticate access to system components	☒	☐	
9	Restrict physical access to cardholder data	☒	☐	
10	Log and monitor all access to system components and cardholder data	☒	☐	
11	Test security systems and networks regularly	☒	☐	
12	Support information security with organizational policies and programs	☒	☐	
Appendix A1	Additional PCI DSS Requirements for Multi-Tenant Service Providers	☒	☐	
Appendix A2	Additional PCI DSS Requirements for Entities using SSL/Early TLS for Card-Present POS POI Terminal Connections	☐	☐	



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C.15 Appendix D – Third-Party Escrow Agreement

Amano McGann can offer a third-party escrow agreement at an additional cost if desired. Should this be of interest to the CCDC, we can provide a sample agreement for your review.

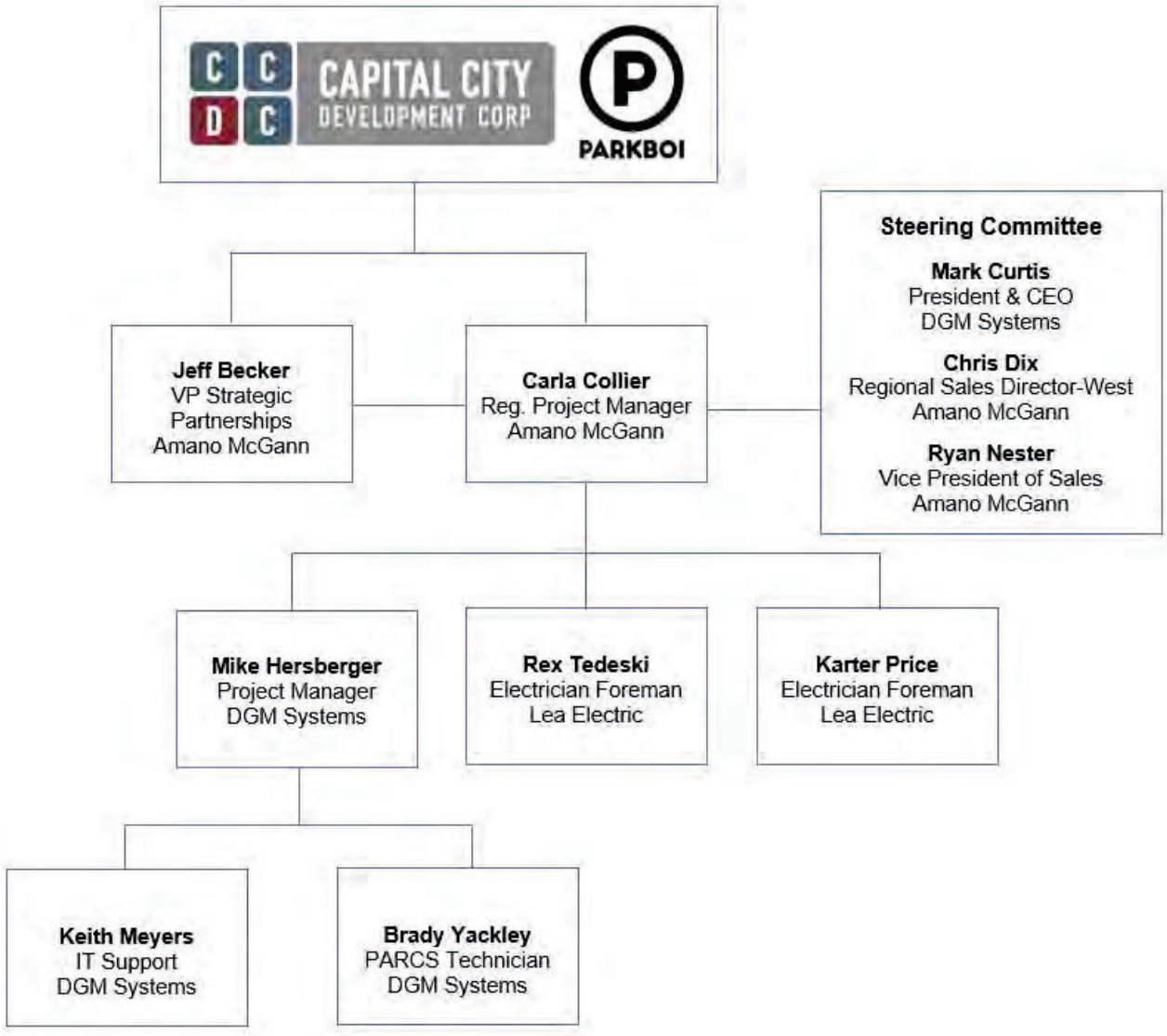
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D. Key Pe so el

1. O a i atio al Cha t

W R P M

. R
. T
. M
.



2. P o ect Team E e ie ce

R . T
A M G , DGM S ,
L E . T
.

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JEFF BECKER | VICE PRESIDENT STRATEGIC PARTNERSHIPS | AMANO MCGANN

Jeff Becker has over 20 years of experience with Amano McGann. He plans and executes company strategies to increase sales and achieve company growth. He has played an integral role in forming business partnerships and has assisted with over 250 projects and proposals. Throughout his career, he has taken an active role in the demonstration, production, testing, training, and implementation of various Amano McGann products.

Project Role

Jeff Becker will serve as the main point of contact for the ParkBOI Garages project installation and will provide project oversight to ensure optimal performance and integration of the Amano ONE solution.

PARCS Experience

Includes, but is not limited to:

- University of Iowa | Iowa City, IA
- City of St. Louis | St. Louis, MO
- City of Santa Fe | Santa Fe, NM
- Crown Center | St. Louis, MO
- University of Texas | Austin, TX
- University of Texas | San Antonio, TX
- Port of Galveston | Galveston, TX
- Austin-Bergstrom International Airport | Austin, TX
- Kansas City International Airport | Kansas City, MO
- St. Louis Lambert International Airport | St. Louis, MO

Educational Background/Certification

- Bachelor of Science Business Administration | University of Missouri

Professional Affiliations

- Member of the National Parking Association (NPA)
- Past NPA Board Member
- Member of International Parking & Mobility Institute (IPMI)

CARLA COLLIER | REGIONAL PROJECT MANAGER | AMANO MCGANN

Carla Collier has seven years of experience in the parking industry in parking management, finance, and operations. She has provided parking support to municipalities, hospitals, universities, hotels, and private parking operators.

Project Role

Carla Collier will be responsible for maintaining the project schedule and deliverables, system ordering, resource scheduling and deployment of all project team members and subcontractors, installation, and commissioning. She will also coordinate with the CCDC and their operations team to roll out the project efficiently and economically with minimal disruption to the traveling public.

Experience

- Amano McGann – Florida, Carolinas, Ohio, and Arizona. Holds the position of Regional Project Manager from June 2022 to present. Collier is responsible for managing million-dollar projects through expert planning, monitoring and finance control.
- Amano McGann – South Region. Held the position of Project Coordinator from August 2021 to June 2022. Collier was responsible for coordinating projects, and for project operational and financial success throughout the southern region.
- Amano McGann – Florida. Held the position of Project Administrator from April 2017 to June 2020. Duties included the responsibility for the day-to-day project operational and financial successes of parking operations throughout the state of Florida.

Educational Background/Certification

- Bachelor of Science in Engineering – Brazil

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MIKE HERSHBERGER | TECHNICAL SERVICES & PROJECT MANAGER | DGM SYSTEMS
Mike Hershberger leads the management team at DGM Systems and has installed and supported Amano McGann systems for over 20 years. With over 200 systems installed in the Northwest, he has a proven track record of success in deployment of PARCS solutions. This experience allows him to provide technical expertise, project implementation oversight, and operational guidance. His role for this project is to provide product technical expertise, project management and implementation oversight, and operational guidance. Hershberger will support and manage the local installation team and electrical contractor throughout the project to ensure the equipment and system are delivered and installed per the specifications and meets the expectations and goals for this PARCS project.

KEITH MEYERS | IT SUPPORT | DGM SYSTEMS
Keith Meyers has been an IT support specialist at DGM Systems for the past eight years. His work concentration includes system database management, internal corporate network management, and VoIP intercom/camera systems integration. Keith Meyers will provide onsite and remote IT support during the software mobilization and deployment phases of the project.

BRADY YACKLEY | PARCS TECHNICIAN | DGM SYSTEMS
Brady Yackley specializes in preparing for the deployment of installations to ensure all items are prepped and tested in advance. He also assists with post-installation service and support of parking access and revenue systems and performs routine preventative maintenance service. Yackley will assist with installation, testing, and commissioning of the PARCS solution.

REX TEDESKI | ELECTRICIAN FOREMAN | LEA ELECTRIC
Rex Tedeski is a highly experienced licensed journeyman electrician with over three decades of expertise in the electrical industry. His career spans a wide array of projects, from large-scale commercial installations to complex residential systems. His comprehensive experience with electrical system design, project management, and quality control means each project is delivered on time and to the highest standards. His extensive knowledge of the National Electrical Code (NEC) ensures his work complies with industry standards and regulations, providing safe and reliable electrical solutions. Tedeski is also skilled in troubleshooting and repairs for commercial, industrial, and residential facilities.

Project Experience
- BSU MCMR Bldg. | Reactor power installation and associated wiring
- CS Beef | Stainless steel conduit, wiring, and motors
- ACE Co. Machine Shop | 480v wiring, conduits, industrial motors, and welders
- Courtyard Marriott | Ground up electrical installation
- SunWest Bank | Electrical installation in new bank
- Williams Communications | Shelters
- Nextel/Sprint | Multiple cell sites
- Multiple Office Buildings | 10,000 sf.+

Training/Certifications
- OSHA 10
- Idaho License #065565
- Oregon License #33002J
- California C-10 License #626830

KARTER PRICE | ELECTRICIAN FOREMAN | LEA ELECTRIC
Karter Price is an experienced electrician with over 11 years of service at Lea Electric. His background includes a wide range of work in commercial, industrial, and residential facilities. He is known for his ability to ensure that all projects are completed efficiently and with the utmost attention to safety standards. He is also skilled in troubleshooting electrical issues and providing effective repair solutions for various facility types.

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Project Experience
- CS Beef | Stainless steel conduit, wiring, and motors
- 11th & Idaho Commercial Bldg. | Ground up construction of 10 story office building
- Identify Student Housing | 112,174 sf. student housing in Boise, ID
- JUMP | Community Event Center in downtown Boise, ID
- 5th & Idaho Apartment Complex | 97,483 sf. in living quarters

Training/Certifications
- OSHA 10
- First Aid and CPR
- Forklift Operator
- Aerial and Scissor Lift Operator
- JATC – IBEW – Loal 291 – Boise, ID

MARK CURTIS | PRESIDENT & CEO | DGM SYSTEMS | STEERING COMMITTEE

Mark Curtis is the President and CEO at DGM Systems. He began his career in the parking industry in 1985 as a City Manager for Diamond Parking in Portland, Oregon after completing his bachelor's degree in economics. In 1987, Curtis founded Pacific Cascade Corporation and later added DGM Systems in 1994, a parking systems integration firm in Vancouver, Washington. In 1994, Pacific Cascade founded the Parking Zone adding a retail parking supply catalog and internet sales division. Curtis has completed numerous PARCS projects throughout his 30-year career in the parking industry.

Project Role
Mark Curtis will serve on the Steering Committee for the installation and will coordinate with the Amano McGann team and Mike Hershberger to manage the DGM System's team and ensure the successful implementation of the PARCS solution.

CHRIS DIX | REGIONAL SALES DIRECTOR | AMANO MCGANN | STEERING COMMITTEE

Chris Dix has nearly 20 years of industry experience spanning multiple roles and companies. He is responsible for overseeing Amano McGann's Midwest and West Coast sales operations throughout ten branch offices. Dix has worn many hats throughout his parking career from technical services, account management, project management, business development, and management complex sales. His vertical market experience includes multi-use, hospitality, healthcare facilities, municipalities, and universities. He draws upon his breadth of experience to provide clients with efficient and effective communication and leadership.

Project Role
Chris Dix will serve on the Steering Committee for the installation and will provide leadership and operational guidance as needed to ensure customer expectations and goals are met.

PARCS Experience
Includes, but is not limited to:
- Ontario Airport | Ontario, CA
- Cross Border Xchange Airport | San Ysidro, CA
- County of San Diego I San Diego, CA
- Modesto Airport I Modesto, CA
- City of Rockford and Rockford International Airport | Rockford, IL
- City of Milwaukee and University of Wisconsin-Milwaukee | Milwaukee, WI
- 2nd & PCH I Long Beach, CA

Professional Affiliations
- Member of the National Parking Association (NPA)
- Member of International Parking & Mobility Institute (IPMI)
- Member of Vistage

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RYAN NESTER | VICE PRESIDENT OF SALES | AMANO MCGANN | STEERING COMMITTEE

Ryan Nester is a Certified Parking Professional with 20 years of industry experience. He is responsible for overseeing all sales operations for the Amano McGann branch offices across the U.S. Nester has managed and designed projects for a variety of markets including municipalities, healthcare facilities, and universities. He draws on his operational experience to provide clients with efficient PARCS solutions.

Project Role

Ryan Nester will serve on the Steering Committee for the ParkBOI Garages project and will provide sales support and leadership, communication, and operational guidance to ensure customer expectations and goals are met.

PARCS Experience

Includes, but is not limited to:

- City of Iowa City | Iowa City, IA
- Soldier Field | Chicago, IL
- Northwestern University | Chicago, IL
- City of Rockford and Rockford International Airport | Rockford, IL
- City of Milwaukee and University of Wisconsin-Milwaukee | Milwaukee, WI
- Austin Straubel International Airport | Green Bay, WI
- Greater Columbus Convention Center | Columbus, OH
- City of Springfield | Springfield, MA
- City of Hartford | Hartford, CT
- City of West Palm Beach | West Palm Beach, FL

Educational Background/Certification

- Certified Parking Professional, CPP

Professional Affiliations and Memberships

- Member of the National Parking Association

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

E. Cost Proposal

In compliance with the requirements outlined in the RFP for the ParkBOI PARCS Replacement Project, Amano McGann has completed Attachment C – Cost Form which includes all equipment and software, labor and installation, ancillary products and materials to provide a complete PARCS solution for each of the ParkBOI Garages. A copy of the Cost Form has been provided on the following pages and a copy has been submitted as a separate file in the original Excel format. A detailed equipment list has also been including following the Cost Form.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

Cost Form

TOTAL PARCS COST ESTIMATE FOR ALL FACILITIES			
Quantity	**Description**	**Unit Cost**	**Subtotal**
PARCS Costs			
1	Parking Equipment Costs		$ 1,045,821
1	Parking Event Management System/Software Included in base software		$ -
6	Parking Event Management System/Software Handheld Devices	$ 2,161	$ 12,966
1	Mobile Pay Setup Included in base system		$ -
1	Credit Card Subsystem Included in base system		$ -
1	PARCS Software (2 years initial cost) Included in base bid		$ -
1	Validation System/Software Included in base software		$ -
1	Prox Cards Software Included in base software		$ -
5500	Prox Cards Revised to match our proposal response		$ 22,000
1	Intercom and Camera System/Software Included in base system		$ -
1	PARCS Data Migration Included in base bid		$ -
6	Network Equipment	$ 2,037.00	$ 12,222.00
1	Training Included in base bid		$ -
1	Testing Included in base bid		$ -
1	Documentation Included		$ -
			$ -
			$ -
			$ -
Subtotal			$ 1,093,009
Construction Costs			
1	Equipment Removal Included in our base costs		
1	Construction Includes minor construction work, all new cable pulls, minor electrical & concrete		$ 185,714
			$ -
			$ -
			$ -
Subtotal			$ 185,714
GC & Soft Costs			
1	Design and Construction Contingency		$ -
1	General Conditions/Mobilization (field overhead)		$ -
1	Bonds and Insurance		$ 11,926
1	Overhead & Profit		$ -
1	Escalation		$ -
1	Vendor A/E Fees, Materials Testing		$ -
			$ -
			$ -
			$ -
Subtotal			$ 11,926
	GRAND TOTAL (Turn-key Cost)	**$1,429,987**	

Proposal Options - Reservation and Hotel Integration			
Quantity	**Description**	**Unit Cost**	**Subtotal**
1	Reservation System Included in our base software		$ -
1	Hotel Integrations Guest multi-day pass issuance included in our base system		$ -
1	ParkMobile Integration Included in our base software system		$ -
1	Servers and Network Equipment Labor Network equipment included total above		$ -
1	Equipment Installation (Includes removal and disposal of old equipment)		$ 61,376
1	Professional Services (Includes training, manufacturer project oversight)		$ 42,961
1	Training Included within professional services fees		$ -
1	Testing Included within Professional Services fees and labor		$ -
1	Documentation Included within Professional Services and Construction fees		
1	Freight		$ 35,000
	SUBTOTAL		

Proposal Options - AVI			
Quantity	**Description**	**Unit Cost**	**Subtotal**
11	Entries	N/A	#VALUE!
12	Exits	N/A	#VALUE!
6	Nested Lanes	N/A	#VALUE!

3500	Transponders	N/A	#VALUE!
6	Remove Prox Cards Readers	N/A	#VALUE!
			$ -
	Our base option includes AVI,		$ -
			$ -
	SUBTOTAL		

Proposal Options - Additional POF

Quantity	Description	Unit Cost	Subtotal
1	Additional POF at 10t and Front	$ 14,053	$ 14,053
	SUBTOTAL		

Year	SAAS Software Fees
1	$ 37,728
2	$ 38,860
3	$ 40,026
4	$ 41,227
5	$ 42,464
6	$ 43,738
7	$ 45,050
8	$ 46,402
9	$ 47,794
10	$ 49,228
	$ 432,516

Year	Extended Manufacturer Hardware Warranty (Maintenance & Service Provided by Owner's Rep
1	$ 48,397
2	$ 48,849
3	$ 50,344
4	$ 51,854
5	$ 53,410
6	$ 55,012
7	$ 56,662
8	$ 58,362
9	$ 60,113
10	$ 61,916
	$ 544,920

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

Description	Unit Price
Entry Terminal	$ 11,300
Entry Termina w/ Credit Card Acceptance	$ 13,074
Exit Terminal	$ 13,074
Barrier Gate	$ 3,701
Loops	$ 650
Prox Card Reader	$ 5,314
AVI Reader Includes Post	$ 2,158
Pay on Foot Machine (Credit Card Only)	$ 14,053
Pay on Foot Machine (Credit Card and Cash)	$ 27,959
ParkMobile Integration Included in base software	
LPR Camera Not included in our bid	
Open/Closed Signs in Lanes	$ 650
Dynamic Monument Sign Includes insert-only & shroud for opening	$ 4,316
UPS Featured in our proposal as one per lane/POF	$ 1,240
Straight gate arm	$ 327
Folding gate arm	$ 553

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

9th & Main			
Quantity	**Description**	**Unit Price**	**Total Price**
1	Entry Terminal	$ 11,300.00	$ 11,300.00
2	Exit Terminal	$ 13,074.00	$ 26,148.00
9	Barrier Gate	$ 3,701.00	$ 33,309.00
18	Loops	$ 649.75	$ 11,695.50
0	LPR	$ -	$ -
6	All in One Access Unit (no Prox) Includes Pedestal Pay-on-Foot Machine (Credit Card & Cash)	$ 5,314.00	$ 31,884.00
1	Prox Card Reader BikeBOI Includes Pedestal & Long Range Reader	$ 5,958.00	$ 5,958.00
1	Pay on Foot Machine (Credit Card Only) Qty Modified to Match Revised Spec	$ 14,053.00	$ 14,053.00
3	Pay on Foot Machine (Credit Card and Cash) Qty Modified to Match Revised Spec	$ 27,959.00	$ 83,877.00
13	UPS - Additional units are necessary to meet spec	$ 1,239.70	$ 16,116.10
	Note: We have modified qty's above to better align with our proposed solution or to adjust to match revised spec issued by city		
3	12' Straight Gate Arm	$ 327.00	$ 981.00
6	11' Folding Gate Arm	$ 553.00	$ 3,318.00
1	IP Display Insert Sign (6.25" x 25.2") w/ Shroud	$ 4,316.00	$ 4,316.00
9	AWID LR3000 Reader w/ Mounting Post	$ 2,158.00	$ 19,422.00
	OVERALL PARKING FACILITY TOTAL:	$ 262,377.60	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

9th & Front			
Quantity	**Description**	**Unit Price**	**Total Price**
2	Entry Terminal Includes Credit Card for Pre-pay	$ 13,074.00	$ 26,148.00
2	Exit Terminal	$ 13,074.00	$ 26,148.00
4	Barrier Gate	$ 3,701.00	$ 14,804.00
0	LPR	$ -	$ -
8	Loops	$ 649.75	$ 5,198.00
0	Prox Card Reader	$ -	$ -
4	Open/Closed Signs in Lanes	$ 650.00	$ 2,600.00
2	Pay on Foot Machine (Credit Card Only)	$ 14,053.00	$ 28,106.00
2	Pay on Foot Machine (Credit Card and Cash) Qty Modified to Match Revised Spec	$ 27,959.00	$ 55,918.00
8	UPS - Additional units are necessary to meet spec	$ 1,239.70	$ 9,917.60
	Note: We have modified qty's above to better align with our proposed solution or to adjust to match revised spec issued by city		
3	12' Straight Gate Arm	$ 327.00	$ 981.00
1	11' Folding Gate Arm	$ 553.00	$ 553.00
1	IP Display Insert Sign (6.25" x 25.2") w/ Shroud	$ 4,316.00	$ 4,316.00
4	AWID LR3000 Reader w/ Mounting Post	$ 2,158.00	$ 8,632.00
	OVERALL PARKING FACILITY TOTAL:	$ 183,321.60	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

10th & Front			
Quantity	**Description**	**Unit Price**	**Total Price**
1	Entry Terminal	$ 11,300.00	$ 11,300.00
2	Exit Terminal	$ 13,074.00	$ 26,148.00
3	Barrier Gate	$ 3,701.00	$ 11,103.00
0	LPR	$ -	$ -
6	Loops	$ 649.75	$ 3,898.50
0	Prox Card Reader	$ -	$ -
0	Pay on Foot Machine (Credit Card Only) Listed as optional per updated spec	$ 14,053.00	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ 27,959.00	$ 27,959.00
6	UPS - Additional units are necessary to meet the spec	$ 1,239.70	$ 7,438.20
	Note: We have modified qty's above to better align with our proposed solution or to adjust to match revised spec issued by city		
2	12' Straight Gate Arm	$ 327.00	$ 654.00
1	11' Folding Gate Arm	$ 553.00	$ 553.00
1	IP Display Insert Sign (6.25" x 25.2") w/ Shroud	$ 4,316.00	$ 4,316.00
3	AWID LR3000 Reader w/ Mounting Post	$ 2,158.00	$ 6,474.00
	OVERALL PARKING FACILITY TOTAL:	$ 99,843.70	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

11th & Front OPTIONAL. NOTE: COSTS ARE INCLUDED IN OUR PROPOSAL BUT CAN BE REMOVED			
Quantity	**Description**	**Unit Price**	**Total Price**
4	Entry Terminal	$ 11,300.00	$ 45,200.00
2	Exit Terminal	$ 13,074.00	$ 26,148.00
6	Barrier Gate	$ 3,701.00	$ 22,206.00
0	LPR	$ -	$ -
12	Loops	$ 649.75	$ 7,797.00
1	Prox Card Reader BikeBOI Includes Pedestal & Long Range Reader	$ 5,958.00	$ 5,958.00
0	Pay on Foot Machine (Credit Card Only) - Qty modified to match revised spec	$ 14,053.00	$ -
2	Pay on Foot Machine (Credit Card and Cash) - Qty modified to match revised spec	$ 27,959.00	$ 55,918.00
9	UPS - Additional units are necessary to meet the spec	$ 1,239.70	$ 11,157.30
	Note: We have modified qty's above to better align with our proposed solution or to adjust to match revised spec issued by city		
4	12' Straight Gate Arm	$ 327.00	$ 1,308.00
2	11' Folding Gate Arm	$ 553.00	$ 1,106.00
1	IP Display Insert Sign (6.25" x 25.2") w/ Shroud	$ 4,316.00	$ 4,316.00
6	AWID LR3000 Reader w/ Mounting Post	$ 2,158.00	$ 12,948.00
	OVERALL PARKING FACILITY TOTAL:	$ 194,062.30	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

Capitol & Main			
Quantity	**Description**	**Unit Price**	**Total Price**
1	Entry Terminal	$ 11,300.00	$ 11,300.00
2	Exit Terminal	$ 13,074.00	$ 26,148.00
3	Barrier Gate	$ 3,701.00	$ 11,103.00
0	LPR	$ -	$ -
6	Loops	$ 649.75	$ 3,898.50
0	Prox Card Reader	$ -	$ -
2	Pay on Foot Machine (Credit Card Only) Qty Modified to Match Revised Spec	$ 14,053.00	$ 28,106.00
3	Pay on Foot Machine (Credit Card and Cash) Qty Modified to Match Revised Spec	$ 27,959.00	$ 83,877.00
8	UPS	$ 1,239.70	$ 9,917.60
	Note: We have modified qty's above to better align with our proposed solution or to adjust to match revised spec issued by city		
2	12' Straight Gate Arm	$ 327.00	$ 654.00
1	11' Folding Gate Arm	$ 553.00	$ 553.00
1	IP Display Insert Sign (6.25" x 25.2") w/ Shroud	$ 4,316.00	$ 4,316.00
3	AWID LR3000 Reader w/ Mounting Post	$ 2,158.00	$ 6,474.00
	OVERALL PARKING FACILITY TOTAL:	$ 186,347.10	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

Capitol & Myrtle			
Quantity	**Description**	**Unit Price**	**Total Price**
2	Entry Terminal	$ 11,300.00	$ 22,600.00
2	Exit Terminal	$ 13,074.00	$ 26,148.00
4	Barrier Gate	$ 3,701.00	$ 14,804.00
0	LPR	$ -	$ -
8	Loops	$ 649.75	$ 5,198.00
0	Prox Card Reader	$ -	$ -
0	Pay on Foot Machine (Credit Card Only) Qty Modified to Match Revised Spec	$ 14,053.00	$ -
1	Pay on Foot Machine (Credit Card and Cash)	$ 27,959.00	$ 27,959.00
7	UPS - Additional units are necessary to meet the spec	$ 1,239.70	$ 8,677.90
	Note: We have modified qty's above to better align with our proposed solution or to adjust to match revised spec issued by city		
3	12' Straight Gate Arm	$ 327.00	$ 981.00
1	11' Folding Gate Arm	$ 553.00	$ 553.00
1	IP Display Insert Sign (6.25" x 25.2") w/ Shroud	$ 4,316.00	$ 4,316.00
4	AWID LR3000 Reader w/ Mounting Post	$ 2,158.00	$ 8,632.00
	OVERALL PARKING FACILITY TOTAL:	$ 119,868.90	

*Contractors to add additional lines and pricing information as needed

For items the Respondent takes exception to and for which the Respondent proposes an alternative, pricing for the alternative shall be provided in the blank space within the appropriate section of the Cost Form. Include a clear and concise description of the proposed alternative and denote the item as an “alternative” in the Cost Form.

ITEMIZED EQUIPEMNT LIST

SKU	NAME	QTY
HARDWARE		
9TH & MAIN		
AOTD1/A1000NE	Amano ONE Entry Station - No Prox, No CC, Custom Graphics Amano ONE Entry Station - No Prox, No CC, Custom Graphics. Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and customer graphics panel.	1
AOCC1/A1001NE	Amano ONE Exit Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
RM-100W	Reader Pedestal, White	7
AOCARD1/A10000BA	AO Access Reader - No Prox, No CC 1D/2D barcode scanner, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and standard graphics panel.	7
A-1210/2A3	AMI Direct Drive Gate, Integrated Field Connect Board Version 110V, L-Hand, Amano EN75 Gray (RAL 7047). Includes factory-	9
AL12	12 ft. Straight Gate Arm, Aluminum	3
AL35	11 ft. Folding Gate Arm, Aluminum, L-Hand	6
AOCASH1/A1001NP	Amano ONE Cash & Credit Card Pay-on-Foot Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, locking bill safe, recycling bill cassettes, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	3
AOCC1/A1001BP	Amano ONE Credit Card Only Pay-on-Foot Station - Windcave, No Prox Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and standard graphics panel.	1

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9TH & FRONT		
AOTD1/A1001NE	Amano ONE Entry Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
AOCC1/A1001NE	Amano ONE Exit Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
A-1210/2A3	AMI Direct Drive Gate, Integrated Field Connect Board Version 110V, L-Hand, Amano EN75 Gray (RAL 7047). Includes factory-installed Field Connect Board.	4
AL12	12 ft. Straight Gate Arm, Aluminum	3
AL35	11 ft. Folding Gate Arm, Aluminum, L-Hand	1
AOCASH1/A1001NP	Amano ONE Cash & Credit Card Pay-on-Foot Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, locking bill safe, recycling bill cassettes, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
AOCC1/A1001BP	Amano ONE Credit Card Only Pay-on-Foot Station - Windcave, No Prox Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and standard graphics panel.	2
10TH & FRONT		
AOTD1/A1000NE	Amano ONE Entry Station - No Prox, No CC, Custom Graphics Amano ONE Entry Station - No Prox, No CC, Custom Graphics. Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and customer graphics panel.	1

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AOCC1/A1001NE	Amano ONE Exit Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
A-1210/2A3	AMI Direct Drive Gate, Integrated Field Connect Board Version 110V, L-Hand, Amano EN75 Gray (RAL 7047). Includes factory-installed Field Connect Board.	3
AL12	12 ft. Straight Gate Arm, Aluminum	2
AL35	11 ft. Folding Gate Arm, Aluminum, L-Hand	1
AOCC1/A1001BP	☐ Amano ONE Credit Card Only Pay-on-Foot Station - Windcave, No Prox Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and standard graphics panel.	0
AOCASH1/A1001NP	Amano ONE Cash & Credit Card Pay-on-Foot Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, locking bill safe, recycling bill cassettes, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	1
11TH & FRONT (Optional Garage)		
AOTD1/A1000NE	☑ Amano ONE Entry Station - No Prox, No CC, Custom Graphics Amano ONE Entry Station - No Prox, No CC, Custom Graphics. Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and customer graphics panel.	4
AOCC1/A1001NE	☑ Amano ONE Exit Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
A-1210/2A3	☑ AMI Direct Drive Gate, Integrated Field Connect Board Version 110V, L-Hand, Amano EN75 Gray (RAL 7047). Includes factory-installed Field Connect Board.	6

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AL12	☑ 12 ft. Straight Gate Arm, Aluminum	4
AL35	☑ 11 ft. Folding Gate Arm, Aluminum, L-Hand	2
RM-100W	☑ Reader Pedestal, White	1
AOCARD1/A10000BA	☑ AO Access Reader - No Prox, No CC 1D/2D barcode scanner, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and standard graphics panel.	1
AOCASH1/A1001NP	☑ Amano ONE Cash & Credit Card Pay-on-Foot Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, locking bill safe, recycling bill cassettes, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
CAPITOL & MAIN		
AOTD1/A1000NE	Amano ONE Entry Station - No Prox, No CC, Custom Graphics Amano ONE Entry Station - No Prox, No CC, Custom Graphics. Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and customer graphics panel.	1
AOCC1/A1001NE	Amano ONE Exit Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
A-1210/2A3	AMI Direct Drive Gate, Integrated Field Connect Board Version 110V, L-Hand, Amano EN75 Gray (RAL 7047). Includes factory-installed Field Connect Board.	3
AL12	12 ft. Straight Gate Arm, Aluminum	2
AL35	11 ft. Folding Gate Arm, Aluminum, L-Hand	1
AOCASH1/A1001NP	Amano ONE Cash & Credit Card Pay-on-Foot Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, locking bill safe, recycling bill cassettes, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	3

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AOCC1/A1001BP	Amano ONE Credit Card Only Pay-on-Foot Station - Windcave, No Prox Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and standard graphics panel.	2
CAPITOL & MYRTLE		
AOTD1/A1000NE	Amano ONE Entry Station - No Prox, No CC, Custom Graphics Amano ONE Entry Station - No Prox, No CC, Custom Graphics. Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, and camera. Amano EN75 Light Gray (RAL 7047) and customer graphics panel.	2
AOCC1/A1001NE	Amano ONE Exit Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	2
A-1210/2A3	AMI Direct Drive Gate, Integrated Field Connect Board Version 110V, L-Hand, Amano EN75 Gray (RAL 7047). Includes factory-installed Field Connect Board.	4
AL12	12 ft. Straight Gate Arm, Aluminum	3
AL35	11 ft. Folding Gate Arm, Aluminum, L-Hand	1
AOCASH1/A1001NP	Amano ONE Cash & Credit Card Pay-on-Foot Station - Windcave, No Prox, Custom Graphics Barcode ticket, 1D/2D barcode scanner, thermal ticket/receipt printer, locking bill safe, recycling bill cassettes, IP intercom, camera, and Windcave SCR200F-VM contact/contactless credit card reader. Amano EN75 Light Gray (RAL 7047) and custom graphics panel.	1
ADDITIONAL AMANO EQUIPMENT		
AONW-00002	Amano ONE 5G Network Kit Network router supporting one hard-wired ISP and up to two 5G/LTE cellular SIM cards. If the primary internet source drops, the router will automatically fail over to the next active internet source. Up to three layers of redundancy supported. Typically, one Network Kit per system; however, certain scenarios utilizing cellular communications may require additional kits.	6
ATD-804700	Paper Roll, Amano ONE Lane/Cash	80

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SKU	NAME	QTY
THIRD PARTY PRODUCTS		
9TH & MAIN		
	IPLED 32 x 64 10ODX (6.25" X 25.2") Includes shroud to match opening.	1
LR-3000-0-0	LR-3000 White, AWID Logo, Long Range Reader Ruggedized for outdoor use.	9
P120B	120" Single Post Mount w/ 8" Base	9
EOE-125170	XM-700 Prox Reader	1
9TH & FRONT		
	IPLED 32 x 64 10ODX (6.25" X 25.2") Includes shroud to match opening.	1
LR-3000-0-0	LR-3000 White, AWID Logo, Long Range Reader Ruggedized for outdoor use.	4
P120B	120" Single Post Mount w/ 8" Base	4
TCL1010RG-I904TS/12-	X / Up Arrow	4
10TH & FRONT		
	IPLED 32 x 64 10ODX (6.25" X 25.2") Includes shroud to match opening.	1
LR-3000-0-0	LR-3000 White, AWID Logo, Long Range Reader Ruggedized for outdoor use.	3
P120B	120" Single Post Mount w/ 8" Base	3
11TH & FRONT		
	☑ IPLED 32 x 64 10ODX (6.25" X 25.2") Includes shroud to match opening.	1

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LR-3000-0-0	☑ LR-3000 White, AWID Logo, Long Range Reader Ruggedized for outdoor use.	6
P120B	☑ 120" Single Post Mount w/ 8" Base	6
EOE-125170	☑ XM-700 Prox Reader	1
CAPITOL & MAIN		
	IPLED 32 x 64 10ODX (6.25" X 25.2") Includes shroud to match opening.	1
LR-3000-0-0	LR-3000 White, AWID Logo, Long Range Reader Ruggedized for outdoor use.	3
P120B	120" Single Post Mount w/ 8" Base	3
CAPITOL & MYRTLE		
	IPLED 32 x 64 10ODX (6.25" X 25.2") Includes shroud to match opening.	1
LR-3000-0-0	LR-3000 White, AWID Logo, Long Range Reader Ruggedized for outdoor use.	4
P120B	120" Single Post Mount w/ 8" Base	4
ADDIT'/ONAL THIRD-PARTY EQUIPMENT		
	Handheld Smart Device	6
MOVE5000	Windcave Credit Card Reader w/Printer, Amano ONE Mobile Cashier Windcave credit card reader with built-in printer for Amano ONE Mobile Fee Computer and Aria POS Terminal.	6
CS-UHF-0-0	UHF Clamshell Badge AWID Logo Minimum order 50 cards.	5500

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

F. Finance & Insurance Requirements

1. Financial Requirements

1) Financial Statements

Amano McGann is backed by our parent company, Amano Corporation Japan, and we benefit tremendously from the influence and support of a global corporation with 4,500 employees generating more than $1 billion in annual revenue. The company's history, combined with our national and global stability, gives us the financial strength and capability to design, develop, manufacture, and support the proposed Amano McGann system. We have provided links below to the financial statements for the past three years and included a copy of the statements in the Appendix at the end of this proposal. Additional details and full financial reports are also available at: http://www.amano.co.jp/English/ir/financial_report.html.

- Consolidated Financial Statements for Fiscal Year 2023 (Year Ended March 31, 2024)
- Consolidated Financial Statements for Fiscal Year 2022 (Year Ended March 31, 2023)
- Consolidated Financial Statements for Fiscal Year 2021 (Year Ended March 31, 2022)

2) Ability to Obtain Payment & Performance Bonds

Amano McGann has the ability to secure the necessary Payment and Performance Bonds for this project, as confirmed by the surety letter from The Ohio Casualty Insurance Company and RT Specialty included on the following page. This assurance underscores our commitment to meeting all project requirements and ensuring financial protection for the project owner.

3) Bankruptcy

Amano McGann has not declared bankruptcy in the last 15 years or at any other time in the company's history.

2. Insurance Requirements

A sample copy of our Certificate of Insurance has been provided on the following pages which includes types and limits of coverage. Additional insurance coverage and endorsements as required by CCDC will be provided upon award.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

RYAN®
TURNER
SPECIALTY

595 Bethlehem Pike, Suite 103
Montgomeryville, PA 18936
Phone: 215.997.9099

October 15, 2024

Amano McGann, Inc.
2699 Patton Road
Roseville, MN 55113

Re: Amano McGann Inc. Bonding Program

To Whom It May Concern:

It has been the privilege of **The Ohio Casualty Insurance Company and RT Specialty** to provide surety bonds on behalf of **Amano McGann, Inc.** for over ten years.
In our opinion Amano McGann, Inc. remains properly financed, well equipped, and capably managed.

At the present time, The Ohio Casualty Insurance Company provides a $20MM single project/ $100MM aggregate surety program to Amano McGann, Inc. Current available bonding capacity is $95MM. As always The Ohio Casualty Insurance Company reserves the right to perform normal underwriting at the time of any bond request, including, without limitation, prior review and approval of relevant contract documents, bond forms, and project financing.

The Ohio Casualty Insurance Company is listed on the Department of the Treasury's Listing of Certified Companies (Circular 570) with a financial size of **XV** (strongest), and is rated **(A)** by A.M. Best Company.

Sincerely yours,

The Ohio Casualty Insurance Company

By: _____
William L. Minderjahn - Attorney-In-Fact

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 09/01/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of New Jersey, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Tokio Marine America Insurance Company	10945
INSURER B: Trans Pacific Insurance Company	41238
INSURER C: Arch Specialty Insurance Company	21199
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Amano McGann, Inc.
2699 Patton Road
Roseville, MN 55113

COVERAGES **CERTIFICATE NUMBER:** W29962943 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			CPP6404150-13	09/01/2023	09/01/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Policy Aggregate	$ $ $ $ $ $ $	1,000,000 1,000,000 10,000 1,000,000 2,000,000 2,000,000 5,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			CA 6404084-13	09/01/2023	09/01/2024	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $	1,000,000
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CU6404153-13	09/01/2023	09/01/2024	EACH OCCURRENCE AGGREGATE	$ $	10,000,000 10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: No If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC6409827-06	09/01/2023	09/01/2024	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $	1,000,000 1,000,000 1,000,000
C	Tech E&O			MPL0067462-01	11/12/2022	11/12/2023	Oc/Agg Retention		$1,000,000 $1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Evidence of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Information contained in this document is confidential and proprietary to Amano McGann, Inc.

G. Proposed Amendments to Contract Terms

After a thorough review of the Sample Contract provided in Attachment D of the ParkBOI Garages PARCS Replacement Project RFP, Amano McGann has no exceptions to the general terms of the contract. However, we request to incorporate our Software as a Service (SaaS) Agreement into the contract, as this aspect is not currently addressed. The SaaS Agreement can be accessed on our company website at SaaS Agreement - Amano McGann. A copy of the agreement has also been provided in the Appendix at the end of this proposal.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

H. Proposal Form

Amano McGann has acknowledged receipt of the addendum for the ParkBOI Garages PARCS Replacement Project and provided the required details regarding the subcontractors who will assist with the installation and the main point of contact for the project. These details are outlined in the Exhibit A Proposal Form, which has been signed by a company officer, with the declaration of authority to sign duly acknowledged.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

EXHIBIT A
PROPOSAL FORM

(REQUIRED FOR SUBMISSION)

PROJECT: PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS) REPLACEMENT PROJECT FOR PARKBOI GARAGES 2024

This proposal is submitted to:

Capital City Development Corporation
Attn: Parking Access and Revenue Control System Replacement Project
121 North 9th Street, Suite 501
Boise, Idaho 83702
bids@ccdcboise.com

1. The undersigned submits this proposal in response to the above referenced Request For Proposal: Parking Access and Revenue Control System (PARCS) Replacement Project for ParkBOI Garages (the "RFP"), being familiar with and understanding the advertised notice of opportunity and any and all information contained within the RFP (the "Proposal Documents"), as prepared by Capital City Development Corporation and posted on CCDC's website and on file in CCDC's office at 121 North 9th Street, Suite 501, Boise, Idaho 83702. The party submitting a proposal is the "Respondent".

2. CCDC reserves the right to withdraw and cancel this RFP prior to opening or to reject any and all proposals to waive any irregularities in the proposals received, and to accept the proposal that is in the best interest of CCDC and the public. The issuance of the RFP and the receipt and evaluation of sealed proposals does not obligate CCDC to award a contract. CCDC will not reimburse for any costs incurred by Respondents in responding to this RFP. CCDC may in its discretion cancel this process at any time prior to execution of a contract without liability.

3. The Respondent's proposal will remain subject to acceptance for one hundred twenty (120) days after receipt of Proposals, or for such longer period of time that Respondent may agree to in writing upon request of CCDC.

4. The undersigned also has visited and examined the site(s) involved, as required. As a consequence of this inspection, the undersigned Respondent has knowledge of local conditions and is fully cognizant of the circumstances and conditions that may affect completion of the work and the cost thereof.

5. Respondent acknowledges receipt of the following addenda to the Request for Proposals which addenda have been considered by Respondent in submitting this proposal. Enter addenda number and date below (if none, state "None"):

Addendum No. 1 - 10/08/2024	Addendum No. _____
Addendum No. _____	Addendum No. _____
Addendum No. _____	Addendum No. _____

6. Respondent agrees, if notified of the acceptance of this proposal, that Respondent will utilize the following material suppliers and subcontractors for the following noted types of work. No substitutions shall be made in the employment of material suppliers and/or subcontractors without written approval of CCDC. Per Idaho Code 67-2310, Respondent must provide the name, address, and license number of the subcontractors who will perform plumbing, HVAC work, or electrical work. If the Respondent will self-perform the work for plumbing, HVAC, or electrical, the Respondent shall include the valid contractor's license for that work. An Idaho Public Works License is required for any site civil work over $50,000.

(duplicate this page as needed)

SUBCONTRACTOR OR MATERIAL SUPPLIER		
Name: Lea Electric LLC		
Type of Work: Running conduit, wiring, equipment bolt down, and final terminations.		
Address: 2201 Commercial Street		
City: Meridian	City: ID	City: 83642
If applicable, provide		
Idaho Public Works License: PWC-C-14043-Unlimited-4		
Idaho Plumbing, HVAC or Electrical Contractors License No.: C22933		

SUBCONTRACTOR OR MATERIAL SUPPLIER		
Name: DGM Systems		
Type of Work: Equipment installation, testing, and commissioning.		
Address: 14208 NW 3rd Court		
City: Vancouver	State: WA	ZIP Code: 98685
Idaho Public Works License:		
Idaho Plumbing, HVAC or Electrical Contractors License No.:		

SUBCONTRACTOR OR MATERIAL SUPPLIER		
Name:		
Type of Work:		
Address:		
City:	State:	ZIP Code:
Idaho Public Works License:		
Idaho Plumbing, HVAC or Electrical Contractors License No.:		

7. Cost Form: Attached as Attachment C.
Excel Document Link

Respondent shall complete and submit in its entirety the attached Cost Form (provided in Excel format). All eight (8) tabs, including Summary of Costs, Unit Prices, 9th & Main, 9th & Front, 10th & Front, 11th & Front, Capitol & Main, and Capitol & Myrtle, must be filled out and submitted. All costs are inclusive and shall represent the total project cost.

PROPOSAL FORM SIGNATURE

Submitted by,

Respondent's Business Name: Amano McGann, Inc.

Contact Person: Jeff Becker

Mailing Address: 2699 Patton Road

Roseville, MN 55113

Physical Address: 2699 Patton Road

Roseville, MN 55113

Telephone: (314) 703-0008 Fax: (612) 331-5187

E-mail Address: jeff.becker@amanomcgann.com

AUTHORIZED SIGNATURE: X

Print Name / Title: Jim Kinahan / Executive Vice President and CFO

Date: October 17, 2024

DECLARATION OF AUTHORITY TO SIGN
The above signed declares: that he/she holds the position indicated as a corporate Officer or the owner or a partner in the business entity submitting this Proposal; that the above signed is informed of all relevant facts surrounding the preparation and submission of this Proposal, that the above signed knows and represents and warrants to CCDC that this Proposal is prepared and submitted without collusion with any other person, business entity, or corporation with any interest in this Proposal.

END OF EXHIBIT A

I. Waiver & Release Form

Amano McGann has reviewed Exhibit B Waiver and Release Form, and it has been signed by a company officer acknowledging CCDC's discretion and non-liability as outlined on the form.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

EXHIBIT B

WAIVER AND RELEASE FORM

(REQUIRED FOR SUBMISSION)

The undersigned has read this waiver and release and fully accepts Capital City Development Corporation's (CCDC) discretion and non-liability as stipulated herein, and expressly for, but not limited to, CCDC's decision to proceed with an evaluated selection process in response to the Request for Proposals (RFP) to select a company to provide PARCS replacement services.

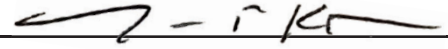
A. Discretion of CCDC: The company submitting a response to this RFP agrees that CCDC has the right to, unless contrary to applicable state law:

1) Modify or suspend any and all aspects of the process seeking proposals and making any decisions concerning the RFP;
2) Obtain further information from any person, entity, or group regarding the Respondent, and to ascertain the depth of Respondent's capability and experience for supplying the desired product and services and in any and all other respects to meet with and consult with any Respondent or any other person, entity, or group;
3) Waive any formalities or defects as to form, procedure, or content with respect to CCDC's RFP and any response by any Respondent thereto;
4) Accept or reject any sealed proposal received in response to the RFP, including any sealed proposal submitted by the undersigned; or select any one proposal over another in accordance with the selection criteria;
5) Accept or reject all or any part of any materials or statements, including, but not limited to, the nature and type of proposal.

B. Non-Liability of CCDC:

1) The undersigned agrees that CCDC shall have no liability whatsoever of any kind or character, directly or indirectly, by reason of all or any decision made at the discretion of CCDC as identified above.
2) The undersigned, including all team members, have carefully and thoroughly reviewed the RFP and have found it to be complete and free from ambiguities and sufficient for their intended purpose.

Company Name: Amano McGann, Inc.

AUTHORIZED SIGNATURE: X 

Print Name / Title: Jim Kinahan / Executive Vice President and CFO

Date: October 17, 2024

END OF EXHIBIT B

J. Appendix

1. Financial Statements

Financial statements for the past three years are provided on the following pages, demonstrating that Amano McGann has the financial resources necessary to perform and complete the work outlined in the RFP for the ParkBOI Garges PARCS Replacement Project, as well as to provide ongoing support services.

2. SaaS Agreement

A copy of the Amano McGann SaaS Agreement has been provided following the financial statements. As noted in section G. Proposed Amendments to the CCDC Contract Terms, we request to incorporate our Software as a Service (SaaS) Agreement into the contract, as this aspect is not addressed in the sample contract.

Information contained in this document is confidential and proprietary to Amano McGann, Inc.

Summary Financial Statements (Consolidated) for Fiscal Year 2021 (Year Ended March 31, 2022) (Japan GAAP)

April 26, 2022

Company name: Amano Corporation — Listed on: TSE
Securities code: 6436 — URL http://www.amano.co.jp/English
Representative: Hiroyuki Tsuda, President & Representative Director
Inquiries: Kunihiro Ihara, Director & Managing Operating Officer General Manager, Corporate Planning — Phone: +81 (45) 439-1591
Scheduled date for Ordinary General Meeting of Shareholders: June 29, 2022
Scheduled date for filing of securities report: June 29, 2022
Scheduled date for start of dividend payments: June 30, 2022
Supplementary explanation materials prepared for financial results: Yes
Briefing held on financial results: Yes (for institutional investors and analysts)

(Amounts less than 1 million yen are rounded down)

1. Business results for fiscal year 2021 (April 1, 2021 to March 31, 2022)

(1) Operating results

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income attributable to owners of the parent company	
	Millions of yen	(% change)	Millions of yen	(% change)	Millions of yen	(% change)	Millions of yen	(% change)
FY 2021 (year ended March 2022)	118,429	4.3	12,893	29.8	13,919	26.3	9,733	34.3
FY 2020 (year ended March 2021)	113,598	(14.6)	9,934	(38.6)	11,017	(34.7)	7,248	(31.4)

Note: Comprehensive income — FY 2021 (year ended March 2022): ¥ 12,052 million (48.9%)
FY 2020 (year ended March 2021): ¥ 8,093 million (-11.8%)

	Net income per share	Diluted net income per share	Ratio of net income to equity capital	Ratio of ordinary profit to total assets	Ratio of operating profit to net sales
	Yen	Yen	%	%	%
FY 2021 (year ended March 2022)	131.49	—	8.6	9.0	10.9
FY 2020 (year ended March 2021)	97.08	—	6.6	7.2	8.7

Reference: Equity in earnings of affiliates — FY 2021 (year ended March 2022): ¥ 228 million
FY 2020 (year ended March 2021): ¥ 250 million

(2) Financial position

	Total assets	Net assets	Equity ratio	Net assets per share
	Millions of yen	Millions of yen	%	Yen
FY 2021 (year ended March 2022)	159,342	116,271	72.5	1,563.31
FY 2020 (year ended March 2021)	150,559	111,585	73.6	1,485.46

Reference: Equity capital — FY 2021 (year ended March 2022): ¥ 115,519 million
FY 2020 (year ended March 2021): ¥ 110,851 million

(3) Cash flows

	Cash flow from operating activities	Cash flow from investing activities	Cash flow from financing activities	Cash and cash equivalents at end of year
	Millions of yen	Millions of yen	Millions of yen	Millions of yen
FY 2021 (year ended March 2022)	19,200	(5,891)	(10,870)	55,931
FY 2020 (year ended March 2021)	15,596	(6,355)	(8,634)	52,546

2. Dividends

	Annual dividends					Total dividend amount (Year)	Payout ratio (Consolidated)	Ratio of dividend to net assets (Consolidated)
	First quarter-end	Second quarter-end	Third quarter-end	Year-end	Total			
	Yen	Yen	Yen	Yen	Yen	Millions of yen	%	%
FY 2020 (year ended March 2021)	—	20.00	—	45.00	65.00	4,877	67.3	4.4
FY 2021 (year ended March 2022)	—	25.00	—	70.00	95.00	7,057	72.5	6.2
FY 2022 (year ending March 2023) (est.)	—	30.00	—	70.00	100.00		64.6	

*The detail of year-end dividend of FY2021(year ended March 2022):ordinary dividend ¥50.00, commemorative dividend ¥20.00

3. Forecast earnings for fiscal year 2022 (April 1, 2022 to March 31, 2023)

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income attributable to owners of the parent company		Net income per share
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%	Yen
First half	60,000	8.4	5,700	26.4	6,200	24.7	4,100	27.5	55.48
Full year	130,000	9.8	16,500	28.0	17,200	23.6	11,500	18.1	155.63

Notes

(1) Significant changes among subsidiaries during the fiscal year under review (i.e. changes among specific subsidiaries resulting in a change in the scope of consolidation) : None

(2) Changes to accounting policy, changes to accounting forecasts, and restatements

[1] Changes arising from revision of accounting standards : Yes

[2] Changes to accounting policy other than those in [1] above : None

[3] Changes to accounting forecasts : None

[4] Restatements : None

(3) Number of shares issued and outstanding (common stock)

[1] Number of shares issued and outstanding at the end of the period (including treasury stock)	As of March 31, 2022	76,657,829 shares	As of March 31, 2021	76,657,829 shares
[2] Number of shares of treasury stock at the end of the period	As of March 31, 2022	2,763,911 shares	As of March 31, 2021	2,033,401 shares
[3] Average number of shares outstanding	As of March 31, 2022	74,027,602 shares	As of March 31, 2021	74,660,620 shares

Note: The number of shares of treasury stock as of March 31, 2022, includes the Company's shares held by the Director's Compensation BIP Trust and the Employee Stock Ownership Plan (J-ESOP).
(400,519 shares as of Mar. 31, 2022 and 421,314 shares as of March 31, 2021 respectively)
In addition, these Company's shares are included in the treasury stock which is deducted in calculating the average number of shares outstanding.

Reference: Non-consolidated results

1. Business results for fiscal year 2021 (April 1, 2021 to March 31, 2022)

(1) Operating results

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income	
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%
FY 2021 (year ended March 2022)	61,770	(0.1)	8,165	15.6	10,587	13.4	7,776	14.3
FY 2020 (year ended March 2021)	61,803	(17.4)	7,061	(37.0)	9,338	(29.9)	6,805	(27.4)

	Net income per share	Diluted net income per share
	Yen	Yen
FY 2021 (year ended March 2022)	105.04	—
FY 2020 (year ended March 2021)	91.15	—

(2) Financial position

	Total assets	Net assets	Equity ratio	Net assets per share
	Millions of yen	Millions of yen	%	Yen
FY 2021 (year ended March 2022)	128,107	107,303	83.8	1,452.13
FY 2020 (year ended March 2021)	125,680	106,657	84.9	1,429.25

Reference: Equity capital FY 2021 (year ended March 2022): ¥ 107,303 million
FY 2020 (year ended March 2021): ¥ 106,657 million

2. Forecast earnings for fiscal year 2022 (April 1, 2022 to March 31, 2023)

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income		Net income per share
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%	Yen
First half	29,900	7.7	3,300	35.0	4,600	13.3	3,300	9.3	44.66
Full year	67,000	8.5	10,400	27.4	12,500	18.1	9,000	15.7	121.80

Note: Summary Financial Statements are not subject to auditing by a certified public accountant or auditing firm.

Note: Explanation concerning appropriate use of the earnings forecast, and other matters to note

Caution regarding forward-looking statements

Earnings forecasts and other forward-looking statements contained in this document are based on information available at the time of this document's preparation and on certain assumptions that are deemed to be reasonable. A variety of factors could cause actual results to differ significantly from the forecasts.

Obtaining supplementary financial results materials and information on the scheduled financial results briefing

Supplementary financial results materials are disclosed via TDnet on the same day as the date of this document. Also, a financial results briefing for institutional investors and analysts is scheduled for Thursday, April 28, 2022. The financial results materials to be distributed at this briefing are due to be published on the Amano's website immediately for Thursday, April 28, 2022.

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1. General Business Results

(1) General Business Results for This Fiscal Year

During the consolidated fiscal year under review, the effect of COVID-19 continues, but the world economy showed some signs of recovery triggered by the continuous recovery trend in the Chinese economy and the resumption of economic activities with the COVID-19 vaccination proceeding forward in various countries. However, it seems that the future outlook for the Japanese economy continues to be uncertain due to the global shortage of materials including semiconductors caused by the supply chain disruptions, and concerns about resurgence of COVID-19 in Japan and abroad, and impact of tensions between Russia and Ukraine , etc.

Amid this business environment, we the Amano Group set forth the management concept of "The 3rd Stage Towards a 100-year Company-Establishing a solid business foundation that leads to sustainable growth" in our 8th Medium-term Business Plan launched in April 2020, in which we will promote strategic investments into growth drivers in order to respond to digital transformation (DX), and we shall establish unrivaled competitive advantage by raising the synergistic effects of the strengths of each of our business divisions.

As a result, during the fiscal year under review, Amano recorded net sales of ¥118,429 million, up by 4.3% year-on-year. Operating profit increased by 29.8% to ¥12,893 million, ordinary profit went up by 26.3% to ¥13,919 million, and net income attributable to owners of the parent company increased by 34.3% to ¥9,733 million, resulting in increases in both sales and profit.

(Main factors behind the business results)

(i) At non-consolidated Amano, although the tailwind of “work style reform” continues, net sales decreased due to the reissuance of a national emergency declaration. Sales of the Information Systems decreased due to the continuation of the negative trend in hardware, although demand for software remained strong. In addition, although the Parking Systems began to recover in the second half year of this fiscal year, its sales declined due to the strong restraint on investment by major parking lot management firms and owners of parking lots until the first half year of this fiscal year. On the other hand, the Environmental Systems remained firm with the recovery in the Chinese economy.

(ii) In domestic group companies, consigned parking lot management service business was recovering smoothly. In addition, T&A cloud services continued to grow.

(iii) In overseas markets, although Amano McGann, Inc. decreased their sales, sales in North America increased mainly because Amano Pioneer Eclipse Corporation in North America grew. In addition, sales increased in Europe and Asia by double digits. Especially, Horoquartz, S.A. in France continued to grow their business results by mainly cloud services, whose sales exceeded even that as of previous fiscal year ended March 31, 2020, which was before the COVID-19 spreading.

The following is a breakdown of sales by business division.

Sales by business division (Millions of yen)

Category	FY 2020 (April 1, 2020– March 31, 2021)		FY 2021 (April 1, 2021– March 31, 2022)		Change	
	Amount	Ratio (%)	Amount	Ratio (%)	Amount	%
Time Information System business:						
Information Systems	27,878	24.6	28,808	24.3	929	3.3
Time Management Products	2,856	2.5	2,700	2.3	(156)	(5.5)
Parking Systems	53,854	47.4	55,581	46.9	1,726	3.2
Subtotal	84,590	74.5	87,090	73.5	2,499	3.0
Environment System business:						
Environmental Systems	18,664	16.4	19,977	16.9	1,313	7.0
Clean Systems	10,343	9.1	11,361	9.6	1,017	9.8
Subtotal	29,007	25.5	31,339	26.5	2,331	8.0
Total	113,598	100.0	118,429	100.0	4,830	4.3

Time Information System business

- Information Systems: Time & Attendance (T&A), Human Resources (HR) systems, Payroll information systems, access control, and digital time stamps
- Time Management Products: PC-linked time recorders, online time recorders, and time stamps
- Parking Systems: Parking lot management systems, bicycle parking lot management systems, and consigned parking lot management service

The sales in this business totaled ¥87,090 million, up by ¥2,499 million (up 3.0%) year-on-year. The following is a breakdown of sales by business division.

• Information Systems ¥28,808 million (up 3.3% year-on-year)
In this business, with the enactment of the bills related to the "work style reform" in April 2019, attention is focused on the future trends of companies' labor management efforts with digitalization and network technologies to improve productivity, make full use of diverse human resources, and introduce additional work styles such as teleworking, while new statutory requirements, such as the upper limit on working hours, are put into practice one by one.
In response to these market conditions, we, being "Amano—active in the area of HR (Human Resources)," added access control and security to the list of our "3-in-1" proposal, comprising time & attendance (T&A), payroll, and human-resource management, thus striving to bolster our activities to provide total solutions from system ownership to system use.
Domestic sales for the current term were as follows. For Amano, on an unconsolidated basis, software sales increased by ¥241 million (2.7%), hardware sales decreased by ¥522 million (16.7%), and sales generated by maintenance contracts and supplies services increased by ¥41 million (0.9%) year-on-year. Software sales increased because the orders for “TimePro-VG,” a piece of software for medium-sized and large businesses, remained strong and “TimePro-NX,” which is for small to medium-sized businesses was also recovering in the second half of the current term. The decrease in hardware sales was due to the effect of repeated declarations of a state of emergency. The cloud services developed by Amano Business Solutions Corporation continued to perform strongly, supported mainly by an increase in the number of users due to teleworking.
Overall overseas sales increased by ¥1,151 million (11.2%). While the sales of Accu-Time Systems, Inc. in North America decreased, the sales of Horoquartz S.A. in Europe increased because their highly profitable cloud services continued to perform strongly.

• Time Management Products ¥2,700 million (down 5.5% year-on-year)
Although there is constant demand for standard devices, the trend toward lower prices has continued in this business.
In this market environment, we have been working on expanding sales of our "TimeP@CK series" time recorders, which are equipped with aggregation software compatible with PCs and offer improved usability and functionality, as well as concentrating on expanding our customer base through the promotion of "User-club," a fee-based service for members. We have also proposed a new usage method by launching compact time recorders equipped with Wi-Fi functions as a standard feature and accommodating cloud connectivity.
Overall domestic sales for the current term decreased by ¥166 million (6.8%) year-on-year as the sales of both standard and PC-linked time recorders declined.
Overall overseas sales increased by ¥31 million (6.0%) as sales in North America increased, although sales in Europe and Asia fell.

• Parking Systems ¥55,581 million (up 3.2% year-on-year)
To respond to the increasingly diverse needs of parking lot management in Japan, the Parking Systems has been working on improving the efficiency and reducing the cost of parking lot management, increasing the level of convenience for parking lot users, ensuring safety and security in parking lots, making reservations and payments through the integration with the internet, and establishing non-contact ticketless and/or cashless systems.
In response to these market conditions, we further strengthened our cooperation with major parking lot management firms and, at the same time, concentrated on offering various services to small to medium-sized parking lot management firms through our parking lot data centers. We have also worked to improve the functionality and usability of our system equipment by strengthening proposals for our vehicle number-based ticketless system and made efforts to expand into the markets, such as bicycle parking systems, security-gate

systems, and toll road systems, as well as strengthening proposals for improving parking lot management efficiency and making new proposals for enhancing parking lot services to users.
Domestic sales for the current term were as follows. For Amano, on an unconsolidated basis, domestic parking equipment sales decreased by ¥419 million (3.0%) mainly due to the decrease in projects for management firms although orders received are recovering, while sales generated by maintenance contracts and supplies services increased by ¥177 million (2.1%). Sales increased in the consigned parking lot management service business operated by Amano Management Service because it is on a recovery trend. As a result of the continued investment by them, the number of parking spaces under management increased by 25,000 (4.9%) from the end of the previous fiscal year.
Overall overseas sales increased by ¥1,725 million (8.4%) due to the decrease in the sales of Amano McGann, Inc. in North America and the increase in sales of the consigned parking lot management service business in Korea and Hong Kong in Asia.

Environment System business

- Environmental Systems: Standard dust collectors, mist collectors, large dust collectors, pneumatic conveyors, deodorizing equipment, and industrial air purifiers
- Clean Systems: Industrial vacuum cleaners, automatic floor scrubbers, robotic floor scrubbers, wooden floor sanding machines, consigned janitorial management services, and electrolyzed water generators

The sales in this business totaled ¥31,339 million, up by ¥2,331 million (up 8.0%) year-on-year. The following is a breakdown of sales by business division.

• Environmental Systems ¥19,977 million (up 7.0% year-on-year)
Although this business was facing stagnating demand for capital investment, the situation seems improving with the Chinese economic recovery.
In this market environment, our domestic strategy focused on capitalizing the demand for our standard equipment by strengthening proposals, mainly targeting companies related to machine tools, electronic parts, and automobiles, which continue to invest in the development of next-generation automobiles, while seeking to win additional orders from customers in the pharmaceutical, foods, and cosmetics markets, whose demand was relatively stable. Meanwhile, we enhanced cooperation with our overseas Group companies, and reinforced their platforms for engineering, sales and services. Furthermore, we endeavored to achieve greater cost competitiveness by expanding their local procurement, while observing the investment trend of Japanese companies operating overseas.
During the current term for Amano, on an unconsolidated basis, domestic sales of standard equipment increased by ¥942 million (15.0%) with the recovery of machine tool orders market, sales of large dust collectors decreased by ¥653 million (11.7%) with the decrease of orders and sales generated by maintenance contracts and supplies services increased by ¥330 million (8.8%) year-on-year.
Overall overseas sales increased by ¥745 million (26.8%) as sales in Asia increased, supported by the economic recovery in China.

• Clean Systems ¥11,361 million (up 9.8% year-on-year)
In the Clean System, while the trend of companies trying to reduce cleaning costs continued domestically amid a shortage of sanitary workers in the building maintenance industry as well as an expansion of demand for cleanliness under the COVID-19 pandemic, need for further proposals that lead to higher cleaning efficiency and improved quality have been increasing.
In response to these market conditions, we proposed the automation of cleaning work using automatic floor scrubbers "EGrobo" and promoted robotic floor scrubbers "EG series" which feature improved safety and usability, as well as proposed improving public health management by using electrolyzed water generators.
During the current term for Amano, on an unconsolidated basis, overall domestic sales of cleaning equipment increased by ¥19 million (1.0%) led by the increase in the sales of automatic floor scrubbers, and domestic sales generated by maintenance contracts and supplies services decreased by ¥72 million (3.2%) year-on-year.
Overall overseas sales increased by ¥1,121 million (21.1%) as Amano Pioneer Eclipse Corporation in North America achieved the increase in sales by increasing the sales of wooden floor sanding machines.

Reference information

Information by area

(Millions of yen)

	Net sales				Operating profit or loss			
	FY 2020 (year ended March 2021)	FY 2021 (year ended March 2022)	Change	Percentage change (%)	FY 2020 (year ended March 2021)	FY 2021 (year ended March 2022)	Change	Percentage change (%)
Japan	75,004	75,222	218	0.3	13,222	14,830	1,607	12.2
Other Asia	16,950	19,614	2,663	15.7	519	902	383	73.7
North America	14,536	15,038	501	3.5	(876)	(626)	250	—
Europe	8,343	9,770	1,427	17.1	752	1,401	649	86.4
Total	114,834	119,646	4,811	4.2	13,618	16,508	2,890	21.2
Eliminations/ Corporate	(1,236)	(1,216)	—	—	(3,683)	(3,615)	—	—
Consolidated	113,598	118,429	4,830	4.3	9,934	12,893	2,958	29.8

Notes: 1. The national and regional demarcations are based on the degree of geographical proximity.
2. Major countries and territories included in areas other than Japan:
(1) Other Asia: Singapore, Thailand, Malaysia, Indonesia, South Korea, China, Philippines, and Vietnam
(2) North America: United States, Canada, and Mexico
(3) Europe: France, Belgium, and Spain

Overseas sales

(Millions of yen)

	Overseas sales				Proportion of consolidated net sales accounted for by overseas sales (%)		
	FY 2020 (year ended March 2021)	FY 2021 (year ended March 2022)	Change	Percentage change (%)	FY 2020 (year ended March 2021)	FY 2021 (year ended March 2022)	Change
Other Asia	16,971	19,628	2,657	15.7	14.9	16.6	1.7
North America	13,615	14,155	539	4.0	12.0	11.9	(0.1)
Europe	8,046	9,320	1,274	15.8	7.1	7.9	0.8
Other regions	903	1,220	317	35.1	0.8	1.0	0.2
Total	39,536	44,325	4,788	12.1	34.8	37.4	2.6
Consolidated net sales	113,598	118,429					

Notes: 1. The national and regional demarcations are based on the degree of geographical proximity.
2. Major countries and territories included in areas other than Japan:
(1) Other Asia: Singapore, Thailand, Malaysia, Indonesia, South Korea, China, Philippines, and Vietnam
(2) North America: United States and Canada
(3) Europe: France, Belgium, and Spain
(4) Other regions: Central and South America
3. Overseas sales comprise sales by the Company and its consolidated subsidiaries to countries and regions other than Japan.

(2) General Financial Condition for This Fiscal Year

(i) Assets, liabilities, and net assets

Total assets amounted to ¥159,342 million (up ¥8,783 million from the previous consolidated fiscal year-end).

- Current assets: an increase of ¥6,936 million due to an increase in cash and bank deposits and raw materials and supplies, etc.
- Fixed assets: an increase of ¥1,846 million due to an increase in investment securities and lease assets, etc.

Total liabilities amounted to ¥43,071 million (up ¥4,097 million from the previous consolidated fiscal year-end).

- Current liabilities: an increase of ¥4,015 million due to an increase in accrued income taxes, etc.
- Long-term liabilities: an increase of ¥81 million due to an increase in lease obligations, etc.

Net assets amounted to ¥116,271 million (up ¥4,686 million from the previous consolidated fiscal year-end).

- Shareholders' equity: an increase of ¥2,392 million due to posting of net income attributable to owners of the parent company, etc.
- Accumulated other comprehensive income: an increase of ¥2,274 million due to increases in foreign currency translation adjustments, etc.

(3) Summary of Cash Flows for This Fiscal Year

Consolidated cash and cash equivalents increased by ¥3,385 million from the previous fiscal year-end to a total of ¥55,931 million as of March 31, 2022. The status of each type of cash flow at year-end and the underlying factors are as follows.

Net cash provided by operating activities totaled ¥19,200 million (an increase in income of ¥3,604 million year-on-year).

- Main income factors:
  Posting of income before income taxes amounting to ¥14,253 million and posting of depreciation and amortization amounting to ¥8,070 million.
- Main expenditure factors:
  Posting of income taxes paid amounting to ¥2,938 million.

Net cash used in investing activities totaled −¥5,891 million (a decrease in cash outflow of ¥463 million year-on-year).

- Main income factors:
  Posting of proceeds from withdrawal of time deposits amounting to ¥2,428 million.
- Main expenditure factors:
  Posting of increase in time deposits amounting to ¥2,962 million and posting of payment for acquisition of investment securities amounting to ¥2,110 million.
  Posting of payment for purchase of tangible fixed assets amounting to ¥1,951 million and posting of payment for acquisition of intangible fixed assets amounting to ¥1,597 million.

Net cash used in financing activities amounted to −¥10,870 million (an increase in cash outflow of ¥2,235 million year-on-year).

- Main income factors:
  Posting of proceeds from sale and leaseback amounting to ¥1,312 million.
- Main expenditure factors:
  Posting of dividends paid amounting to ¥5,234 million and posting of repayments of lease obligations amounting to ¥4,606 million.
  Posting of payment for acquisition of treasury stock amounting to ¥2,154 million.

Reference: Trend of cash flow indicators

	As of Mar. 31, 2018	As of Mar. 31, 2019	As of Mar. 31, 2020	As of Mar. 31, 2021	As of Mar. 31, 2022
Equity ratio (%)	72.3	71.8	70.5	73.6	72.5
Fair value equity ratio (%)	150.1	132.5	116.1	134.0	102.4
Ratio of cash flow to interest-bearing liabilities (%)	11.2	14.0	27.1	43.5	38.1
Interest coverage ratio	483.5	539.4	227.9	101.9	139.1

Notes: Equity ratio: Equity capital/Total assets
Fair value equity ratio: Gross market capitalization/Total assets
Ratio of cash flow to interest-bearing liabilities: Interest-bearing liabilities/Cash flow from operating activities
Interest coverage ratio: Cash flow from operating activities/Interest payments

Assumptions:
* All indicators are calculated on the basis of consolidated financial values.
* Gross market capitalization is calculated by multiplying the closing price of the Company's shares at the year-end by the number of shares of common stock issued and outstanding at the year-end (less treasury stock).
* The term "cash flow from operating activities" refers to cash flow from operating activities posted under the consolidated statements of cash flows. The term "interest-bearing liabilities" refers to those liabilities stated in the consolidated balance sheets on which interest is paid. Interest payments equate with the interest paid recorded in the consolidated statements of cash flows

(4) Future Outlook

In the next fiscal year ending March 31, 2023, the effect of COVID-19 continues, but the world economy shows some signs of recovery triggered by the continuous recovery in the Chinese economy and the resumption of economic activities assosiated with the COVID-19 vaccination proceeding forward in various countries, etc. However, it seems that the future outlook for the Japanese economy continues to be uncertain due to the global shortage of materials including semiconductors caused by the supply chain disruptions, the continuation of various social and economic restrictions to cope with the worldwide resurgence of COVID-19, and successive price hikes against the backdrop of the tensions in Russia-Ukraine, etc.

Amid this business environment, Amano and our group companies have set "The 3rd Stage Towards a 100-year Company-Establishing a solid business foundation that leads to sustainable growth "as our management concept and work to address key issues in the 8th Medium-term Business Plan described in "3. Business Policies" on page 11 with a view to maximizing the corporate value of Amano.

For the next fiscal year ending March 31, 2023, we forecast net sales at ¥130,000 million, operating profit at ¥16,500 million, ordinary profit at ¥17,200 million and net income attributable to parent company shareholders at ¥11,500 million. For details, please refer to [2] Numerical targets indicated on page 14, in "3. Business Policies." Furthermore, this forecast assumes the currency exchange rates of ¥120 to the US dollar and ¥130 to the euro.

Although we have reflected the effects of COVID-19 in our full-year forecast above as much as possible, we intend to disclose them appropriately according to the future changes in the situation.

(5) Basic Policy on Distribution of Profits and Payment of Dividends for This Fiscal Year and the Next

Amano places great importance on our policy of paying dividends to shareholders. Our fundamental policy to return profits to shareholders is to make appropriate performance-based distributions and to buy back shares, as it deems necessary. We aim to maintain a dividend payout ratio of at least 40% on a consolidated basis, a net asset dividend rate of at least 2.5%, and a total return ratio of at least 55%.

In line with this policy, taking into account our current-year operations results, we plan to pay a year-end dividend of ¥50 per share, and the annual per-share dividend for this fiscal year will be ¥75 (including ¥25 per share paid as the interim dividend), an increase of ¥10 from the annual pershare dividend of ¥65 for the previous fiscal year.

In addition, Amano celebrated the 90th anniversary in November 2021. We would like to express our sincere gratitude to our shareholders and all other concerned parties for their support, and we would like to pay a commemorative dividend of ¥20 in order to repay the support we have received so far. As a result, the annual dividend per share will increase by ¥30 to ¥95.

On the other hands, the Board of Directors approved a resolution regarding the acquisition of treasury stock on April 26, 2022. The detail of this matter is available for inspection on the Amano's website.

（https://www.amano.co.jp/English/ir/dl/news/2022/20220426_2.pdf）

As a result, the consolidated payout ratio will be 72.5%, the net asset dividend rate will be 6.2%, and the total return ratio will be 98.2%.

With regard to the dividend for the next fiscal year ending March 31, 2023, in line with our Basic Policy on Distribution of Profits and in view of our outlook for the next fiscal year, we currently aim to pay an annual pershare dividend of ¥100 (with an interim dividend of ¥30 and a year-end dividend of ¥70).
Retained earnings will be earmarked to fund effective investment aimed at the fundamental enhancement of the capacity to conduct our business operations. This will include the expansion and strengthening of existing business fields, strategic investment in growth fields, and spending on research and development, as well as the rationalization of production plants and equipment for the purpose of reducing costs and further improving product quality, etc.

(6) Operating and Other Risk Factors

Matters relating to the qualitative information contained in these summary financial statements and relating to the consolidated financial statements that could be envisaged as having a possible material impact on investors are described below.
Every effort, including the establishment of various internal committees such as Compliance Committee and Risk Management Committee, are made to identify factors that may now or in the future pose a risk to the undertaking of business by the Amano Group, and these risk factors are then eliminated or otherwise managed in the course of business. The activities of each committee are reported to the Representative Director as appropriate and to the Board of Directors as necessary. The outline of each committee is available for inspection on the website of our company.
(https://www.amano.co.jp/English/corp/governance.html)
Forward-looking statements are current as of the date of release of these financial results (April 26, 2022).

(i) Impact on earnings due to changes in the business environment

The Amano Group uses the unique technologies and know-how we have accumulated to provide customers with high-quality products, services and solutions, thereby gaining large market shares in each sphere of business in Japan, North America, Europe, and Asia, and developing our business globally.
In the year ended March 31, 2022, the Time Information System business accounted for 73.5% of total sales, and the Environment System business accounted for 26.5%. Before the deduction of unallocated expenses, the Time Information System business contributed 75.2% to operating profit, while the Environment System business contributed 24.8%. In terms of weighted average sales over the last five years, the Time Information System business accounted for 74.0% of total sales and 73.1% of operating profit.
One future risk factor is that if market expansion is forecasted for a business activity within the Time Information System business segment (which accounts for a large proportion of the Group's business), for such reasons as a significant change in the demand structure or the creation of a new market, entities in other industries or other powerful competitors may be tempted to enter the market. In such an event, if a competitor were to enter with innovative products or solutions that surpass Amano's, the Amano Group's market advantage would decline, which may have a material impact on our business performance.
As part of our efforts to prepare for these risks, the Amano Group works to develop competitive products on an ongoing basis and strives to strengthen support systems further, engaging in business activities to maintain and improve our competitive advantage in each business by strengthening the relationship with existing customers and expanding transactions with new customers.

(ii) Fluctuations in exchange rates

Our group engages in business activities on a global scale and has production and sales bases overseas. In view of this, our group's business results may be impacted by fluctuations in exchange rates when the proceeds for overseas transactions are converted into yen.
As precautionary measures against such a risk, our group strives to reduce it by considering entering into, for example, forward exchange contracts as necessary.

(iii) Information security

In the course of providing system solutions and developing cloud business services (e.g., ASP, SaaS, and hosting services), the Amano Group handles confidential information, such as personal information concerning, or provided by, customers. The occurrence of an unforeseen situation such as a cyberattack that results in loss or leakage of confidential or personal information as described above could have an adverse material impact on our group's business performance due to factors such as loss of confidence.
As precautionary measures against such a risk, our group has established an Information Security Management Committee to strengthen and ensure thorough implementation of security control measures based on the

"Information Security Management Rules." More specifically, we have implemented measures to prevent the leakage of confidential information based on the encryption of hard disks and external storage media and are providing regular employee education using e-learning. Our company received the PrivacyMark certification in February 2014 and makes every effort in the area of information security, including the supervision of subcontractors and thorough compliance with internal regulations. European subsidiaries of our company are also working to reduce risk by, for example, implementing adequate measures regarding the EU General Data Protection Regulation (GDPR) enacted in May 2018, taking into consideration the guidance of local experts.

(iv) Natural disasters and infectious diseases

Natural disasters, such as large-scale earthquakes and windstorms, floods, etc., caused by climate change on a global scale, are occurring more and more frequently, and in the event of a natural disaster, our group may sustain damage to human lives or our property, such as the destruction of sales business sites and production bases. In the event of an outbreak of an infectious disease that makes it difficult for employees to continue to work, our group may temporarily lose the ability to continue to perform our operating activities.

As precautionary measures against such risks, our group has put in place measures to ascertain and ensure the safety of employees by introducing an emergency contact network and safety confirmation systems. In addition, our group is moving our file servers and other equipment to external data centers and is improving the environment to facilitate working from home to ensure business continuity. Other necessary measures that we have taken to reduce risk include the establishment of the protocol for the establishment of the disaster control headquarter in the event of an emergency.

(v) Overseas business development

Our group has been developing our business globally in Japan, North America, Europe, and Asia. Therefore, there is a possibility that a situation may arise in which business operations are disrupted due to the application of unique laws, ordinances, or regulations or social disorder due to political disturbances, war, or terrorism, or pandemic, etc. in countries or regions where our group conducts business, which may adversely impact our group's business performance.

In order to be ready for these risks, our group collects information on the situation in the countries and regions in which they operates on an ongoing basis before any emergency occurs. Our group also holds quarterly meetings of the Global Strategy Conference Executive Management Board, at which top management directly ascertains the situation and gives instructions to reduce risk. In the event that various risks are materialized, our group will grasp the situation quickly by sharing and exchanging information with overseas group companies.

(vi) Accounting estimate assumption change

Our group makes estimates regarding impairment accounting for fixed assets and deferred tax assets recoverability at the time of preparing the consolidated financial statements. These estimates are based on certain assumptions about the future. If the assumptions differ significantly due to the occurrence of unexpected events such as natural disasters that may have a significant impact on domestic and overseas economic activities and an outbreak of an infectious disease, it may affect our business performance.

In order to be ready for these risks, our group strives to calculate a reasonable amount based on available information at the time of accounting estimation.

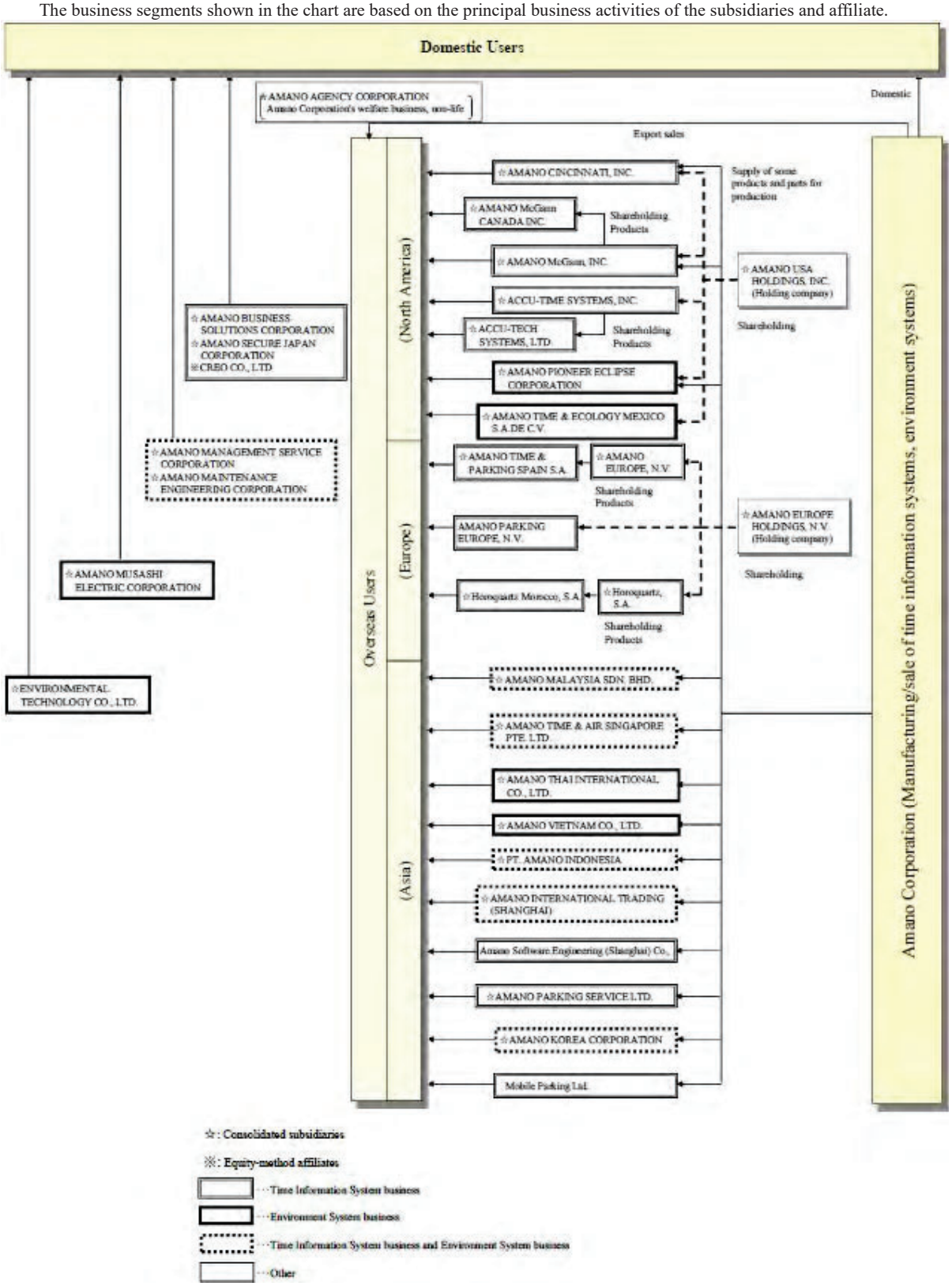
2. Status of the Corporate Group

The following chart sets out the Group's business activities.

Number of Amano and subsidiaries: 31

Number of affiliated companies to which the equity method is applied: 2

The business segments shown in the chart are based on the principal business activities of the subsidiaries and affiliate.



3. Business Policies

(1) Basic Management Policy

Amano's management philosophy is to create new values and contribute to the realization of a safe, comfortable and a wholesome society in the fields of "People & Time" and "People &Air."
Under this management philosophy and based on an optimal governance structure that responds to changes in the business environment, we will strive to maximize corporate value by ensuring sustained growth through the creation of new businesses and markets with a medium-to long-term global perspective, in addition to expanding our existing businesses. Furthermore, we will aim to become a company that has the trust and high regard of all the stakeholders including customers, business partner companies, shareholders, employees and local communities by constantly returning a fair profit earned through business activities.

(2) Medium-long term business strategy of the company

Amano launched the 8th Medium-term Business Plan for the three years from April 2020 to March 2023. An outline of the plan is set out below.

[1] Basic policies

Under the 8th Medium-Term Business Plan, with the Group's management concept of "The 3rd Stage Towards a 100-year Company-Establishing a solid business foundation that leads to sustainable growth," we will address the following two key issues towards achieving the goal of enhancing our corporate value while keeping ESG management in mind and emphasizing the establishment of a business management system that is suitable for the era of globalization and further efforts to ensure thorough compliance as a foundation.

(i) Investments in growth drivers

In response to the rapidly evolving digital transformation movements, Amano will vigorously push forward with digitalization and the effective use of IT in each business area. In particular, we will invest steadily in growth drivers including strategic investments in software assets, IoT, AI, etc., to realize sustainable growth in sales and profit.
We will also continue our investments for further growth in venture companies and startup companies and M&A activities, which started under the 7th Medium-Term Business Plan, to establish the sixth core business.

(ii) Establishment of unparalleled competitive advantage based on synergy among the strengths of each business division

After analyzing and grasping the strengths of each business division and group companies all over again, we will execute strategic investments shown in (i) above to further strengthen them, while ensuring synergy among them to further enhance our competitive advantages. In the course of this initiative, Amano will strive to deepen and enhance the customer base that we have developed and to further enhance the product lineup by anticipating market trends.

The target of the 8th Medium-term Business Plan is the achievement of the "AVERAGE 12% in the 3KPIs."
(1) Operating profit ratio (OPR): Achieve at least 13%
(2) Cash conversion cycle (CCC): Shorten by at least 12%
(3) Return on equity (ROE): Achieve at least 11%

Measures and issues for each region under these basic policies are as follows:
1. Japanese market
In the Japanese market, we will reinforce ties among domestic group companies and with other companies outside our group, and strengthen our capacity to provide holistic solutions (which cover hardware, software, and services) across all business fields, both qualitatively and quantitatively. We will also promote the 3-in-1 activities that leverage the strength of direct sales and support. Under our medium-to long-term strategies based on market and competitive analysis, our group will aim to establish an unparalleled competitive advantage in each business by building a sales capability that fits the market trend to reinforce the relationship with existing customers and to expand transactions with new customers.
In the Information Systems, the bills related to the "work style reform" were enacted in April 2019 and applied to smaller businesses in April 2020. In addition to the need for proper understanding for working hours to correct long working hours, demand continues for employment systems to improve and rebuild legitimate working hour

management becoming a corporate responsibilities with change in working styles due to the introduction of equal pay for equal work, side jobs and dual employment, and teleworking, etc. which expanded rapidly with the COVID-19 pandemic. Demand for cloud services is also expected to increase as the need for various administrative procedures to become available electronically grows, in addition to the need to track employees' work status due to an increase in the number of people working from outside the office.
In response to this market environment, we will continue to market holistic solutions with the "TimePro-NX," which is an integrated software package to manage time & attendance, human resource management, and payroll, to further increase market share in the small-to-medium sized enterprise (SME) market. At the same time, for the medium-to-large enterprise market where demand is firm, we will work to strengthen solutions for time & attendance, human resource management, payroll, and accounting software as well as consulting services by collaborating with CREO CO., LTD., and using "TimePro-VG." We will aim for continued expansion by improving the functions of our cloud-based time & attendance management systems, which can be customized to reflect each company's work rules, in response to the strong demand for cloud services in line with the penetration of new work styles such as teleworking, etc. In addition, we will strengthen our business development efforts around attendance management in such industries as healthcare, construction, and transportation, etc. to which the bills related to the "work style reform" will be applied from 2024 onwards, following the expiration of the grace period and we will actively promote the expansion of the "e-AMANO" cloud service to offer the electronic processing of various personnel affairs notifications and shift scheduling. In this way, we will maintain and expand our customer base with our one-stop services encompassing hardware, software, services, and cloud to further expand our business portfolio.

The Parking Systems has not yet seen full-scale recovery in the parking lot market, although parking lot utilization rates are recovering from the sharp decline caused by the COVID-19 pandemic. Even in such a situation, new demand continues to arise from the spread of cashless payment and ticketless operation. In addition, there are rising needs to offer solutions to reduce parking lot management costs, ensure safety and security, heighten environmental considerations, and improve user convenience, as well as to offer cloud-based services and provide operational solutions based on ETC technology amid the trend of digital transformation. Moreover, we can also expect new demand to be generated from the scheduled issuance of new banknotes (Bank of Japan notes) and the 2025 Japan International Exposition (Expo 2025 Osaka, Kansai).
Given these changes in the market environment, we will further strengthen partnerships with major parking lot management companies and provide various services through our parking lot data center for small- and medium-sized parking lot management companies while improving the functions and operability of system equipment. We will also continue to respond to transitions in the market, including the increased demand for parking reservations, the migration towards a sharing economy, and the advancement of self-driving technology, etc. In addition, we will continue to strengthen proposals in the consigned parking lot management service business by utilizing the data center service and strengthen and expand our efforts for facilities such as bicycle parking lots, security gates, and toll roads, etc. in order to expand our business.

The Environmental Systems has seen businesses start to resume their capital investment as the Chinese economy is recovering, but there is uncertainty currently in the outlook for corporate appetite for capital investment due to the shortages of parts and materials and rising geopolitical risks.
Given this market environment, we will aim to increase the quantity of sales of standard equipment in Japan by rolling out new products and applying existing products to new areas, and expand business domains including the pharmaceutical, food, and cosmetics markets, which are less affected by business sentiments, and growth strategy areas. We will also work to strengthen our engineering capabilities and comprehensive sales, including that of peripheral equipment based on energy- and labor-saving proposals as well as new service proposals leveraging IoT, by partnering with industrial equipment manufacturers and combining our technologies with those of other companies. With the rising demand to create a hygienic and safe environment, we will work to expand the sales of industrial air purifiers to new customers, such as companies in the medical field, various service providers, and retailers.

In the Clean Systems, the trend of companies trying to reduce cleaning costs continues. Amid the aging of sanitation workers and an increase in the proportion of women among newly hired workers, the need to improve the safety and operability of cleaning equipment and reduce the burden of these workers has been increasing. At the same time, the need to maintain building aesthetics at a low cost and the demand for cleaning work automation using robot technology have also been increasing. Furthermore, new demand is expanding with the rising

consciousness for cleanliness under the COVID-19 pandemic and the need for a cleaning style that is friendly to the global environment.
In response to these market conditions, in coordination with Preferred Robotics Inc. to which we contributed capital in November 2021, we will enhance the product lineup to target the expansion of the robotic cleaning market, enhance various services using communication functions, and work to expand the factory market by introducing cleaning devices. We will also strengthen recurring revenues by promoting maintenance contracts and increasing the order intake for supplies, which will maintain and expand our customer base. We will also promote comprehensive proposals for consigned janitorial management services that make full use of cleaning robots, aesthetic maintenance, and improving public health management by using electrolyzed water generators.

2. North American market
In the Parking Systems, we will aim to achieve full recovery in the financial performance of Amano McGann, Inc. as soon as possible by expanding system sales and enhancing the functionality and expanding the sales of new cloud-based systems in the market to achieve sales recovery. In the Information Systems, we will strive to expand the business by increasing the sales of Accu-Time Systems, Inc.'s time and attendance information terminals and enhancing cloud-based products. In the Clean Systems, we will further expand the business of the wooden floor sanding machine division of Amano Pioneer Eclipse Corp., while developing new niche areas and sales channels. In the Environmental Systems, Amano Time & Ecology de Mexico S.A. de C.V. will proceed with acquiring new customers and expanding orders received in the North American market, including Mexico.

3. European market
In the Information Systems, we will further enhance our customer base by promoting Horoquartz's workforce management and access control businesses as well as by expanding cloud services. At the same time, we will aim to expand this business into new countries other than France through M&A. In the Parking Systems, we will strive to expand operations by promoting system equipment sales and developing a consigned parking lot management service business.

4. Asian market
In the Asian region, we will aim to expand Parking Systems operations by strengthening services in the consigned parking lot management service business and by expanding services into new regions. In the Environmental Systems, we will strengthen our engineering capabilities as well as sales and service systems for Japanese companies operating in Asia by making use of the ties between our group companies across Asia and our head office in Japan, while also making proposals to local companies. We will work to establish a supply chain network in each region.

[2] Numerical targets

Our present three-year Medium-Term Business Plan has come into effect from April 2020 until March 2023, in which we are aiming to achieve ¥130,000 million or higher in net sales and ¥16,500 million or higher in operating profit in the FY 2022, the last fiscal year of the plan.

(Major assumptions of the numerical targets)

(i) The earnings plan for the FY2022 (year ending March 31, 2023), which marks the final year of the 8th Medium-Term Business Plan, has been revised based on the assumption that Amano and our group companies in and out of Japan will remain affected by the COVID-19 pandemic. In the original plan, we expected the COVID-19 pandemic to have ended. However, in reality, COVID-19 has lingered throughout the world. In addition, procurement issues for parts and materials, such as semiconductors, etc. still remain due to supply chain disruptions.

(ii) For unconsolidated Amano, the Information Systems is expected to remain on a growth trend, particularly in the area of software, supported by the government-driven work style reform initiatives, with the movement to reform work styles spreading to the public market and industries such as hospitals, construction, and transportation, etc. Meanwhile, the Parking Systems will start growing again as the investment appetite of parking lot owners is expected to recover. The Environmental Systems is expected to keep improving due to strong orders for machine tools and resumption of equipment investment in the car industry, etc. In addition, the Clean Systems is expected to achieve growth in net sales, particularly for robots, due to the increasing demand with the rising consciousness for cleanliness under the COVID-19 pandemic.

(iii) Consigned parking lot management services of the Parking Systems both in Japan and abroad are expected to drive consolidated growth in FY2022.

(iv) Amano McGann Inc., in North America will launch a new product on the market in the first half of FY2022, and they are expected to improve their profitability drastically from the second half of FY2022.

Please note that the numerical targets for more one-year Medium-Term Business Plan set out below are tentative at this point. Currently, COVID-19 is causing too many uncertainties hampering realistic future planning, so we intend to review these targets appropriately according to the future changes in the business environment, at which time, we hope to have a better outlook for the pandemic and the economic recovery trends of each country.

(Millions of yen)

	FY 2020 (year ended March 2021) (Results)		FY 2021 (year ended March 2022) (Results)		FY 2022 (year ending March 2023) (Original)		FY 2022 (year ending March 2023) (Revised)	
	Amount	YoY (%)	Amount	YoY (%)	Amount	YoY (%)	Amount	YoY (%)
Net sales	113,598	(14.6)	118,429	4.3	140,000	18.2	130,000	9.8
Operating profit	9,934	(38.6)	12,893	29.8	18,500	43.5	16,500	28.0
Operating profit ratio (%)	8.7%	—	10.9%	—	13.2%	—	12.7%	—
Ordinary profit	11,017	(34.7)	13,919	26.3	19,500	40.1	17,200	23.6
Net income attributable to owners of the parent company	7,248	(31.4)	9,733	34.3	13,000	33.6	11,500	18.1

4. Basic Approach to the Selection of Accounting Standards

We have not determined a specific date for the adoption of IFRS; however, to prepare for the future adoption, we will undertake the preparations and examinations that are presently possible, and at the same time we will continue to collect and study international accounting information.

5. Consolidated Financial Statements and Primary Explanatory Notes

(1) Consolidated Balance Sheets

(Millions of yen)

	FY 2020 (as of March 31, 2021)	FY 2021 (as of March 31, 2022)
Assets		
Current assets		
Cash and bank deposits	56,432	60,337
Notes and accounts receivable—trade	27,175	-
Notes and accounts receivable—trade and contract assets	-	27,995
Marketable securities	2,556	3,219
Merchandise and finished goods	3,883	3,687
Work in process	540	559
Raw materials and supplies	4,429	5,741
Other current assets	3,981	4,464
Allowance for doubtful accounts	(399)	(468)
Total current assets	98,600	105,537
Fixed assets		
Tangible fixed assets		
Buildings and structures	29,029	28,591
Accumulated depreciation	(19,451)	(19,697)
Buildings and structures (net)	9,578	8,894
Machinery and vehicles	7,241	7,355
Accumulated depreciation	(6,343)	(6,629)
Machinery and vehicles (net)	898	725
Tools, furniture and fixtures	15,712	15,755
Accumulated depreciation	(13,413)	(13,717)
Tools, furniture and fixtures (net)	2,298	2,038
Land	5,896	5,818
Lease assets	12,639	15,041
Accumulated depreciation	(5,956)	(7,035)
Lease assets (net)	6,683	8,005
Construction in progress	237	298
Total tangible fixed assets	25,592	25,780
Intangible fixed assets		
Goodwill	1,612	1,417
Software	3,760	2,980
Software in progress	922	1,110
Other	1,811	1,740
Total intangible fixed assets	8,107	7,249
Investments and other assets		
Investment securities	12,250	14,694
Claims in bankruptcy and similar claims	576	522
Fixed leasehold deposits	1,724	1,547
Net defined benefit assets	122	128
Deferred tax assets	2,403	2,505
Other	1,770	1,911
Allowance for doubtful accounts	(589)	(533)
Total investments and other assets	18,259	20,776
Total fixed assets	51,959	53,805
Total assets	150,559	159,342

(Millions of yen)

	FY 2020 (as of March 31, 2021)	FY 2021 (as of March 31, 2022)
Liabilities		
Current liabilities		
Notes and accounts payable—trade	5,371	5,605
Electronically recorded obligations	5,073	5,667
Short-term bank loans	520	367
Lease obligations	2,843	3,610
Accrued income taxes	1,445	3,426
Accrued bonuses	2,379	2,569
Accrued officers' bonuses	90	128
Other current liabilities	13,086	13,450
Total current liabilities	30,809	34,825
Long-term liabilities		
Lease obligations	4,856	4,994
Deferred tax liabilities	128	12
Net defined benefit liabilities	2,308	2,377
Provision for stock benefit	245	293
Provision for directors' stock benefit	186	203
Asset retirement obligations	33	33
Other long-term liabilities	405	331
Total long-term liabilities	8,164	8,245
Total liabilities	38,974	43,071
Net assets		
Shareholders' equity		
Common stock	18,239	18,239
Capital surplus	19,293	19,293
Retained earnings	81,749	86,244
Treasury stock	(4,443)	(6,546)
Total shareholders' equity	114,838	117,230
Accumulated other comprehensive income		
Net unrealized gains (losses) on available- for-sale securities	1,875	2,088
Foreign currency translation adjustments	(5,242)	(3,250)
Remeasurements of defined benefit plans	(620)	(549)
Total accumulated other comprehensive income	(3,986)	(1,711)
Non-controlling shareholders' interests	733	752
Total net assets	111,585	116,271
Total liabilities and net assets	150,559	159,342

(2) Consolidated Statements of Income and Consolidated Statements of Comprehensive Income

Consolidated Statements of Income

(Millions of yen)

	FY 2020 (April 1, 2020- March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Net sales	113,598	118,429
Cost of sales	63,761	64,876
Gross profit	49,837	53,552
Selling, general and administrative expenses		
Selling expenses	35,987	36,738
General and administrative expenses	3,915	3,921
Total selling, general and administrative expenses	39,902	40,659
Operating profit	9,934	12,893
Non-operating profit		
Interest income	197	203
Dividend income	218	208
Insurance dividend income	113	122
Insurance income	105	28
Foreign exchange gains	-	108
Equity in earnings of affiliates	250	228
Other	430	385
Total non-operating profit	1,315	1,285
Non-operating expenses		
Interest expenses	153	138
Loss on foreign exchange	13	-
Foreign withholding tax	12	21
Other	53	99
Total non-operating expenses	232	258
Ordinary profit	11,017	13,919
Extraordinary income		
Gain on sale of fixed assets	21	412
Gain on sales of investment securities	3	-
Total extraordinary income	25	412
Extraordinary losses		
Loss on disposal of fixed assets	45	49
Loss on sale of fixed assets	-	5
Impairment losses	1,121	-
Office transfer expenses	87	-
Sublease loss	-	24
Total extraordinary losses	1,253	78
Income before income taxes	9,788	14,253
Income taxes	3,612	4,745
Refund of income taxes	(1,245)	-
Deferred income taxes	117	(271)
Total income taxes	2,483	4,474
Net income	7,305	9,778
Net income attributable to non-controlling shareholders	56	45
Net income attributable to owners of the parent company	7,248	9,733

Consolidated Statements of Comprehensive Income

(Millions of yen)

	FY 2020 (April 1, 2020- March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Net income	7,305	9,778
Other comprehensive income		
Net unrealized gains (losses) on available-for-sale securities	851	212
Foreign currency translation adjustment	(504)	1,990
Remeasurements of defined benefit plans	440	70
Share of other comprehensive income of associates accounted for using equity method	0	0
Total other comprehensive income	788	2,273
Comprehensive income	8,093	12,052
(Breakdown)		
Comprehensive income attributable to owners of the parent company	8,078	12,008
Comprehensive income attributable to non-controlling shareholders	14	43

(3) Consolidated Statement of Changes in Shareholders' Equity

FY 2020 (April 1, 2020–March 31, 2021)

(Millions of yen)

	Net assets				
	Shareholders' equity	Capital surplus	Retained earnings	Treasury stock	Total shareholders' equity
Balance at the beginning of the year	18,239	19,293	80,204	(4,224)	113,512
Cumulative impact of changes of accounting policies			—		—
Balance at the beginning of the period reflecting changes of accounting policies	18,239	19,293	80,204	(4,224)	113,512
Changes during the year					
Dividends from surplus			(5,703)		(5,703)
Net income attributable to owners of the parent company			7,248		7,248
Purchase of treasury stock				(246)	(246)
Disposal of treasury stock				26	26
Net changes in items other than shareholders' equity					
Total changes during the year	—	—	1,544	(219)	1,325
Balance at year end	18,239	19,293	81,749	(4,443)	114,838

	Accumulated other comprehensive income				Non-controlling shareholders' interests	Total net assets
	Net unrealized gains (losses) on available-for-sale securities	Foreign currency translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income		
Balance at the beginning of the year	1,025	(4,781)	(1,061)	(4,817)	783	109,478
Cumulative impact of changes of accounting policies						—
Balance at the beginning of the period reflecting changes of accounting policies	1,025	(4,781)	(1,061)	(4,817)	783	109,478
Changes during the year						
Dividends from surplus						(5,703)
Net income attributable to owners of the parent company						7,248
Purchase of treasury stock						(246)
Disposal of treasury stock						26
Net changes in items other than shareholders' equity	850	(460)	440	830	(49)	781
Total changes during the year	850	(460)	440	830	(49)	2,106
Balance at year end	1,875	(5,242)	(620)	(3,986)	733	111,585

FY 2021 (April 1, 2021–March 31, 2022)

(Millions of yen)

	Net assets				
	Shareholders' equity	Capital surplus	Retained earnings	Treasury stock	Total shareholders' equity
Balance at the beginning of the year	18,239	19,293	81,749	(4,443)	114,838
Cumulative impact of changes of accounting policies			(4)		(4)
Balance at the beginning of the period reflecting changes of accounting policies	18,239	19,293	81,744	(4,443)	114,833
Changes during the year					
Dividends from surplus			(5,234)		(5,234)
Net income attributable to owners of the parent company			9,733		9,733
Purchase of treasury stock				(2,154)	(2,154)
Disposal of treasury stock				52	52
Net changes in items other than shareholders' equity					
Total changes during the year	—	—	4,499	(2,102)	2,397
Balance at year end	18,239	19,293	86,244	(6,546)	117,230

	Accumulated other comprehensive income				Non-controlling shareholders' interests	Total net assets
	Net unrealized gains (losses) on available-for-sale securities	Foreign currency translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income		
Balance at the beginning of the year	1,875	(5,242)	(620)	(3,986)	733	111,585
Cumulative impact of changes of accounting policies						(4)
Balance at the beginning of the period reflecting changes of accounting policies	1,875	(5,242)	(620)	(3,986)	733	111,581
Changes during the year						
Dividends from surplus						(5,234)
Net income attributable to owners of the parent company						9,733
Purchase of treasury stock						(2,154)
Disposal of treasury stock						52
Net changes in items other than shareholders' equity	212	1,991	70	2,274	18	2,293
Total changes during the year	212	1,991	70	2,274	18	4,690
Balance at year end	2,088	(3,250)	(549)	(1,711)	752	116,271

(4) Consolidated Statements of Cash Flows

(Millions of yen)

	FY 2020 (April 1, 2020- March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Cash flows from operating activities		
Income before income taxes	9,788	14,253
Depreciation and amortization	8,398	8,070
Amortization of goodwill	358	351
Impairment losses	1,121	-
Increase (decrease) in net defined benefit liabilities	207	148
Increase (decrease) in provision for stock benefit	65	83
Increase (decrease) in provision for directors' stock benefit	31	32
Increase (decrease) in allowance for doubtful accounts	7	(28)
Interest and dividend revenue	(415)	(411)
Equity in (earnings) losses of affiliates	(250)	(228)
Interest expenses	153	138
Foreign currency translation loss (gain)	(46)	(114)
Loss (gain) on sale of fixed assets	(21)	(406)
Loss on disposal of fixed assets	45	49
Sublease loss	-	24
Loss (gain) on liquidation of investment securities	(3)	-
(Increase) decrease in trade notes and accounts receivable	4,065	-
(Increase) decrease in trade notes and accounts receivable and contract assets	-	(274)
(Increase) decrease in inventories	646	(645)
Increase (decrease) in trade payables	(2,572)	672
Increase (decrease) in other current liabilities	247	(346)
Other	(1,607)	272
Subtotal	20,219	21,641
Receipts from interest and dividends	475	524
Interest paid	(153)	(137)
Special retirement payments	(11)	-
Income taxes paid	(5,800)	(2,938)
Income taxes refunded	865	111
Net cash provided by operating activities	15,596	19,200
Cash flows from investing activities		
Payment for acquisition of securities	(3,350)	(3,850)
Proceeds from redemption of securities	2,500	3,450
Payment for purchase of tangible fixed assets	(2,395)	(1,951)
Proceeds from sale of tangible fixed assets	44	771
Payment for acquisition of intangible fixed assets	(1,686)	(1,597)
Payment for acquisition of investment securities	(2,038)	(2,110)
Proceeds from liquidation of investment securities	3	-
Payments for acquisition of businesses	-	(200)
Increase in time deposits	(3,994)	(2,962)
Proceeds from withdrawal of time deposits	4,649	2,428
Other	(86)	129
Net cash used in investing activities	(6,355)	(5,891)

(Millions of yen)

	FY 2020 (April 1, 2020- March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Cash flows from financing activities		
Increase in short-term loans payable	489	358
Repayment for short-term bank loans	(641)	(519)
Payment for acquisition of treasury stock	(246)	(2,154)
Repayments of lease liabilities	(3,718)	(4,606)
Proceeds from sale and leaseback	1,249	1,312
Dividends paid	(5,703)	(5,234)
Payment of dividends to non-controlling shareholders	(63)	(25)
Cash flows from financing activities	(8,634)	(10,870)
Effect of exchange rate changes on cash and cash equivalents	(194)	947
Net increase (decrease) in cash and cash equivalents	411	3,385
Cash and cash equivalents at the beginning of the year	52,134	52,546
Cash and cash equivalents at end of period	52,546	55,931

(5) Notes to Consolidated Financial Statements

Notes Regarding the Premise of a Going Concern

None

Important Matters that Constitute the Basis for the Preparation of the Consolidated Financial Statements

1. Scope of consolidation

(1) Number of consolidated subsidiaries: 28

Names of major consolidated subsidiaries:

Please refer to "2. Status of the Corporate Group" on page 10

(2)Names of non-consolidated subsidiaries:

AMANO SOFTWARE ENGINEERING (SHANGHAI) CO., LTD.; Mobile Parking Ltd.; AMANO PARKING EUROPE, N.V. (3 companies)

Reasons for exclusion from the scope of consolidation

Non-consolidated subsidiaries are small in scale, and their combined total assets, sales, net income, and retained earnings (according to the Group's holding in them) would, in every case, have no material impact on the consolidated financial statements.

2. Application of the equity method

(1)Number of affiliated companies to which the equity method is applied: 1

Names of affiliated companies to which the equity method is applied:

CREO CO., LTD.

(2) Names of affiliated companies to which the equity method is not applied:

Preferred Robotics Inc.

Reasons for exclusion from the scope of affiliation

Preferred Robotics Inc. has been excluded from the scope of equity method because their net income or loss (as calculated by the equity method) and retained earnings (as calculated by the equity method) have a minimal effect on the consolidated financial statements and they are not significant as a whole.

3. Fiscal years of consolidated subsidiaries

Among consolidated subsidiaries, the fiscal year-end for those overseas is December 31. Their financial statements as of that date are used in the preparation of the consolidated financial statements, and necessary adjustments are made to the consolidated accounts if significant transactions take place between that date and the consolidated balance sheet date.

4. Accounting policies

(1) Valuation standards and methods for significant assets

(i) Securities:

Held-to-maturity bonds:

Amortized cost method applied

Other securities:

Other stocks without market price, etc.

Marked to market

(All valuation differences are processed by the direct net asset method. Cost of sales is mainly calculated by the moving average method.)

Stocks without market price, etc.

Marked to cost mainly by the moving average method

(ii) Derivatives:

Marked to market

(iii) Inventories:

In principal, stated at cost based on the periodic average method

(Balance sheet value calculated by write-down method based on reduced profitability)

(2) Depreciation methods for important depreciable assets

(i) Tangible fixed assets (excluding lease assets)

The declining-balance method is used. However, the straight-line method is used for buildings acquired on or after April 1, 1998 (excluding facilities attached to buildings) and for facilities attached to buildings and structures acquired on or after April 1, 2016.

Useful life of key items is deemed to be:

Buildings and other structures: 5–50 years

Machinery, equipment, and vehicles: 7–17 years

(ii) Intangible fixed assets (excluding lease assets)

Straight-line method

Software for sale by the Company is depreciated by the straight-line method based on the estimated period during which it can be sold (3 years), while software for internal use by the Company and its domestic consolidated subsidiaries is depreciated by the straight-line method over its useful life (5 years).

(iii) Lease assets

Lease assets in finance lease transactions not involving transfer of ownership:

Depreciation is calculated by the straight-line method over the lease term for leased assets with no residual value.

(3) Accounting for significant reserves

(i) Allowance for doubtful accounts

To provide against possible losses from doubtful accounts such as receivables and loan allowances, a rate determined by past loss experience is used for general receivables, and allowances for certain doubtful accounts are provided for estimated amounts if they are judged to be uncollectible when the collectability of each of the accounts is individually studied.

(ii) Accrued bonuses

To provide for the payment of employee bonuses, accrued bonuses are provided for as the amount incurred during the current consolidated fiscal year based on the estimated amount of bonus payments.

(iii) Accrued officers' bonuses

To provide for the payment of officers' bonuses, accrued officers' bonuses are provided for as the amount incurred during the current consolidated fiscal year based on the estimated amount of bonus payments.

(iv) Provision for stock benefit

In order to prepare for the payment of company stocks to employees under the stock benefit program, the estimated amount of stock benefit obligation in the current consolidated fiscal year is recorded based on the merit points allocated to the employees.

(v) Provision for directors' stock benefit

In order to prepare for the delivery of the Company stocks to officers and directors under the share delivery program, the estimated amount of stock benefit obligation in the current consolidated fiscal year is recorded based on the merit points allocated to the officers and directors.

(4) Accounting policy for retirement benefits

(i) Attribution method for expected retirement benefits

To calculate retirement benefit obligations, the amount of expected retirement benefits is attributed to the consolidated fiscal year under review on a benefit formula basis.

(ii) Accounting method for actuarial differences and prior service costs

Prior service costs are charged using the straight-line method over a fixed number of years (7–10 years) that falls within the average remaining service period of the Company employees at the time such costs are incurred.

Actuarial differences are charged to income from the fiscal year following the one in which they arise using the straight-line method over a fixed number of years (7–10 years) that falls within the average remaining service period of Company employees at the time such costs are incurred in each fiscal year.

(5) Recognition criteria for significant revenue and expenses

Amano Group recognizes revenue based on the following five-step approach:

Step 1: Identify the contracts with customers.

Step 2: Identify the performance obligations in the contract.

Step 3: Determine the transaction price.

Step 4: Allocate the transaction price to the performance obligations in the contract.

Step 5: Recognize revenue when the performance obligation is satisfied.

Amano Group companies mainly engages in the manufacture and sales of Information Systems, Time Management Products, Parking Systems, Environmental Systems, and Clean Systems. For details, please refer to "Segment Information 1. Outline of Reporting Segments" in the notes to consolidated financial statements. We normally recognize revenue for the sales of these products upon the completion of acceptance inspection by the customer, because we have determined that the customer gains control over the product and our performance obligation is satisfied upon the completion of the customer's acceptance inspection. For some non-installed products and domestic sales of supplies, etc., if the period from shipment to acceptance inspection by the customer is normal, revenue is recognized at the time of shipment. Revenue is measured at the price promised to the customer in the contract, after deducting any trade discounts, returns, etc.

We may provide the customer with maintenance and other services related to these products. In this case, revenue for such services is recognized over the contract period because the performance obligations for such services are satisfied basically over the passage of time.

Revenue for construction contracts for certain the Parking systems and the Environmental systems is recognized based on the percentage of completion pertaining to the satisfaction of performance obligation because we have determined that the performance obligation is satisfied over a certain period. For constructions whose construction period is extremely short, revenue is recognized when the installation that fully satisfies the performance obligation is completed. The percentage of completion pertaining to the satisfaction of performance obligation is estimated based on the percentage of actual cost to estimated total cost (input method) if the result of performance obligation can be reasonably measured.

(6) Home currency conversion of significant foreign-currency assets and liabilities

Monetary debts and credits denominated in foreign currencies are converted into yen at the spot exchange rate on the final day of the consolidated accounting period; any resulting conversion differences are treated as either gains or losses. The assets and liabilities of overseas consolidated subsidiaries, etc. are converted into yen at the spot exchange rate on the final day of their accounting periods, while income and expenses are calculated on an average exchange rate basis during the period. Any differences are included in net assets as foreign currency translation adjustments and minority interests.

(7) Amortization method of goodwill and the amortization period

Goodwill is amortized using the straight-line method over the period for which the investment is deemed to be in effect. However, if the amount of goodwill to be amortized is minor, it is amortized in its entirety during its duration.

(8) Scope of funds included in the consolidated statements of cash flows

These funds include cash on hand, demand deposits, and short-term investments maturing or redeemable within three months after acquisition that are highly liquid, readily convertible into cash, and exposed to low price-fluctuation risk.

(9) Other significant matters in the preparation of the consolidated financial statements

Accounting for consumption taxes

National and local consumption taxes are accounted for based on the tax-exclusion method.

Change of Accounting Policy

(Application of “Accounting Standard for Revenue Recognition”)

We have applied the “Accounting Standard for Revenue Recognition” (ASBJ Statement No. 29, March 31, 2020) and other standards from the consolidated fiscal under review. We now recognize revenue as the amount expected to be received in exchange for promised goods or services when control of said goods or services is transferred to the customer.

With regard to construction contracts, in the past, "Percent-of-Completion Method" was applied to construction work for which the certainty of the progress was recognized, and the "Completed-contract Method" was applied to other construction work. By applying the revenue recognition accounting standard, for construction works for which performance obligations are fulfilled over a certain period of time, the level of progress is now estimated. Provided that the result of the performance obligation can be reasonably measured, the level of progress is estimated based on the ratio of Actual Cost against Total Estimated Cost (accounting input method). As for construction with a very short construction period, revenue is recognized upon completely satisfying the performance obligations.

For the application of the revenue recognition accounting standard, we have followed the transitional treatment prescribed in Article 84 proviso of the standard. Accordingly, the cumulative effect of retroactively applying the new accounting policy prior to the beginning of the consolidated fiscal under review has been added to or subtracted from retained earnings at the beginning of the fiscal year. However, for the contracts for which almost all revenues have been recognized under the previous accounting method before the beginning of this consolidated fiscal year, the method stipulated in Article 86 of the Revenue Recognition Accounting Standard is not applied retroactively. In addition, in accordance to Provision (1) stipulated in Section 86 of the Accounting Standard for Revenue Recognition, the accounts have been processed reflecting all contract modifications on all contracts made prior to the beginning of this consolidated fiscal year, and the cumulative impact amount was either added to or subtracted from retained earnings at the beginning of this consolidated fiscal year. The impact of this change on the beginning balance of retained earnings, profit & loss for the consolidated fiscal, segment information, etc. and per share information was insignificant.

Due to the application of revenue recognition accounting standards, "Notes and accounts receivable-trade", which was indicated in "Current assets" in the previous year's consolidated balance sheet, is now indicated in "Notes and accounts receivable-trade and contract assets" from this consolidated fiscal year. In addition, the "(increase) decrease in trade notes and accounts receivables" which was indicated in the "cash flow from operating activities" of the consolidated cash flow statement for the previous consolidated fiscal year, is now included in the "(increase) decrease in trade notes and accounts receivables and contract assets" from the consolidated fiscal year. Furthermore, in accordance with the transitional treatment stipulated in Article 89-2 of the Accounting Standard for Revenue Recognition, the previous consolidated fiscal year has not been reclassified using the new presentation method.

(Application of “Accounting Standard for Fair Value Measurement”)

The "Accounting Standard for Market Value Calculation" (Corporate Accounting Standard No. 30, July 4, 2019; hereinafter referred to as "Market Value Calculation Accounting Standard"), etc. has been applied from the beginning of this consolidated fiscal year and in accordance with the transitional treatment stipulated in Paragraph 19 of the Standard and "Accounting Standard for Financial Instruments" (Corporate Accounting Standard No. 10, July 4, 2019), Paragraph 44-2. shall be applied in the future. Moreover, there is no impact on the consolidated financial statements.

Additional Information

(Directors' Compensation BIP Trust and Employee Stock Ownership Plan (J-ESOP))

In Amano Corporation and some of our subsidiaries, for the purpose of enhancing the motivation to contribute to the improvement of medium- to long-term business performance and to increase corporate value, we have adopted the Directors' Compensation BIP Trust system for directors (excluding outside directors and expatriates) and operating officers (excluding expatriates). We have also adopted the Employee Stock Ownership Plan (J-ESOP) system for employees who meet the prescribed requirements.

[1] Outline of the system

Under the system, a trust is established with money contributed by Amano Corporation as a source, stocks of Amano Corporation are acquired by the trust, and the stocks are granted to the eligible persons. Furthermore, as for the executive compensation BIP trust, the trust period will be extended for the same period as the initial trust period as a stock compensation plan linked to the period of the 8th medium-term business plan which started in April 2020.

Under the Directors' Compensation BIP Trust, in accordance with the stock distribution rules and based on points granted according to the attainment level of numerical targets related to their positions and management indicators, stocks of Amano Corporation are provided by the trust to directors and operating officers.

[2] Stocks of Amano Corporation that remain in the trust

Stocks of Amano Corporation that remain in the trust are recorded as treasury stock in the net assets section with the book value of the trust (excluding incidental expenses).

Book value of the treasury stock and the number of shares

Current fiscal year ¥993 million, 400,519 shares

(The status of COVID-19 initiatives and the estimated accounting impact)

As an effort to ensure the health and safety of employees, Amano and our domestic group companies have adopted flexible work such as teleworking (working from home) and staggered working hours as well as workplace vaccination in limited areas.

Overseas group companies respond in accordance with instructions given, such as a curfew, by the local authorities of the countries or the states where they are located, and they generally work from home where a curfew is imposed.

As for our factory operations, domestic factories are now operating normally. Our U.S. factories are currently operating normally depending on enforcements issued by their local authorities.

We, the Amano Group companies makes accounting estimates for impairment loss on fixed assets and deferred tax assets recoverability based on information available at the time of preparing the consolidated quarterly financial statements. Although the impact and severity of COVID-19 on our group will differ depending on the business, it is assumed that the impact would still remain in FY2022, with the gradual recovery after the first half of the last fiscal year ending March 2021, but in which we had not a significant impact on the estimated accounting.

Segment Information

1. Outline of Reporting Segments

The reporting segments are defined as those business units which constitute the Company and from which separate financial information can be obtained. The reporting segments are periodically reviewed by the Company's highest decision-making body to determine the allocation of management resources and evaluate financial results.

The Company maintains several business units at its head office, separated into product and service types. The role of these business units is to formulate and implement domestic business strategies for similar types of products and services. In overseas business, meanwhile, local subsidiaries in each region develop strategies in their respective business fields in cooperation with the relevant business unit at the head office and carry out business activities in accordance with such strategy.

Based on the above, the Company divides its business into two segments, from which separate financial information can be obtained on a consolidated basis: the Time Information System business and the Environment System business. The operating results of these two segments are periodically reviewed by the Company's highest decision-making body to determine the allocation of management resources and evaluate financial results.

As described above, the Company's reporting segments consist of the Time Information System business and the Environment System business.

The Time Information System business and the Environment System business manufacture and sell the following products:

Business segment	Sales category	Principal products
Time Information System business	Information Systems	Time & Attendance (T&A), Human Resource (HR) systems, payroll information systems, cafeteria systems, access control, proximity IC card solutions, system time recorders, T&A and HR and payroll ASP services, time distribution and authentication services (digital time stamps)
	Time Management Products	PC-linked time recorders, online time recorders, computerized time recorders, standard electronic time recorders, electronic time stamps, patrol recorders
	Parking Systems	Automatic fee settlement systems, access control systems, parking lot management systems, bicycle parking lot management systems, automatic time registers, parking tower management systems, Internet-based parking guidance systems, commissioned parking lot management business
Environment System business	Environmental Systems	Industrial vacuum cleaners, standard dust collectors, mist collectors, fume collectors, large dust collection systems, deodorization systems, high-temperature hazardous-gas removal systems, pneumatic powder conveyance systems, environmental equipment monitoring/maintenance support systems, industrial air purifiers
	Clean Systems	Commercial vacuum cleaners, automatic floor scrubbers, robotic floor scrubbers, road and industrial sweepers, high-speed burnishers, polisher chemical products, supplies and accessories, wooden floor sanding machines, consigned janitorial management services, electrolytic water cleaning systems, alkaline electrolytic water industrial cleaning systems

2. Methodology for Determining Net Sales, Profit/Loss, Assets, Liabilities, and Other Line Item Amounts by Reporting Segment

The accounting methods used by the reporting business segments are the same as those described in the Basis for the Presentation of the Consolidated Financial Statements section.

Profits for the reporting segments are reported at the operating profit level.

Intersegment internal earnings and transfers are based on prevailing market prices.

3. Information by Reporting Segment Regarding Net Sales, Profit/Loss, Assets, Liabilities, and Other Line Item Amounts

FY 2020 (April 1, 2020–March 31, 2021)

(Millions of yen)

	Reporting segments			Adjustments (Note 1)	Amounts reported in consolidated financial statements (Note 2)
	Time Information System business	Environment System business	Total		
Net sales					
To customers	84,590	29,007	113,598	—	113,598
Intersegment	—	—	—	—	—
Total	84,590	29,007	113,598	—	113,598
Segment profit (loss)	9,654	4,033	13,687	(3,753)	9,934
Segment assets	65,616	25,657	91,273	59,285	150,559
Other items					
Depreciation and amortization	7,229	588	7,817	580	8,398
Impairment loss	1,121	—	1,121	—	1,121
Investments in affiliates accounted for using the equity method	2,134	—	2,134	—	2,134
Increases in tangible and intangible fixed assets	6,297	498	6,796	201	6,997

Notes: 1. Details of the adjustments are as follows.
(1) The −¥3,753 million adjustment in segment profit indicates company-wide expenses not allocated to the reporting segments. Company-wide expenses consist mainly of general and administrative expenses that do not belong to any of the reporting segments.
(2) The ¥59,285 million adjustment in segment assets indicates company-wide assets not allocated to the reporting segments. Company-wide assets consist mainly of assets and others associated with the administration function that do not belong to any of the reporting segments.
2. Segment profit is reconciled with operating profit in the consolidated statement of income.

FY 2021 (April 1, 2021–March 31, 2022)

(Millions of yen)

	Reporting segments			Adjustments (Note 1)	Amounts reported in consolidated financial statements (Note 2)
	Time Information System business	Environment System business	Total		
Net sales					
To customers	87,090	31,339	118,429	—	118,429
Intersegment	—	—	—	—	—
Total	87,090	31,339	118,429	—	118,429
Segment profit (loss)	12,569	4,136	16,706	(3,813)	12,893
Segment assets	70,331	29,704	100,036	59,306	159,342
Other items					
Depreciation and amortization	6,879	644	7,523	547	8,070
Impairment loss	—	—	—	—	—
Investments in affiliates accounted for using the equity method	2,261	—	2,261	—	2,261
Increases in tangible and intangible fixed assets	6,940	334	7,274	259	7,534

Notes: 1. Details of the adjustments are as follows.
(1) The −¥3,813 million adjustment in segment profit indicates company-wide expenses not allocated to the reporting segments. Company-wide expenses consist mainly of general and administrative expenses that do not belong to any of the reporting segments.
(2) The ¥59,306 million adjustment in segment assets indicates company-wide assets not allocated to the reporting segments. Company-wide assets consist mainly of assets and others associated with the administration function that do not belong to any of the reporting segments.
2. Segment profit is reconciled with operating profit in the consolidated statement of income.

Per-share Data

	FY 2020 (April 1, 2020– March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Net assets per share (Yen)	1,485.46	1,563.31
Net income per share (Yen)	97.08	131.49

Note: 1. Details for the diluted net income per share are not stated, because there are no potential shares.
2. The net income per share is calculated on the following basis.

Item	FY 2020 (April 1, 2020– March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Net income per share		
Net income attributable to owners of the parent company (Millions of yen)	7,248	9,733
Amount not attributed to common stockholders (Millions of yen)	—	—
Net income for common stock attributable to owners of the parent company (Millions of yen)	7,248	9,733
Average number of shares of common stock outstanding (Shares)	74,660,620	74,027,602

3. The net assets per share are calculated on the following basis.

Item	FY 2020 (as of March 31, 2021)	FY 2021 (as of March 31, 2022)
Total net assets (Millions of yen)	111,585	116,271
Amount to be deducted from total net assets (Millions of yen)	733	752
(of which, non-controlling shareholders' interests) (Millions of yen)	(733)	(752)
Net assets at the end of year attributable to common stock (Millions of yen)	110,851	115,519
Number of shares of common stock outstanding at year end used to calculate net assets per share (Shares)	74,624,428	73,893,918

4. Shares remaining in trust of the Director's Compensation BIP Trust and the Employee Stock Ownership Plan (J-ESOP) recognized in shareholders' equity as treasury stock are included in treasury stock to be deducted in the calculation of the average number of shares outstanding over the period to calculate net income per share and also included in treasuring stock to be deducted in the calculation of the number of shares of treasury stock at the end of the period to calculate net assets per share. The average number of shares of such treasury stock outstanding over the period that was deducted to calculate net income per share was 385,352 shares for the previous fiscal year and 412,477 for the fiscal year under review. The number of shares of treasury stock at the end of the period that was deducted to calculate net assets per share was 421,314 shares for the previous fiscal year and 400,519 for the fiscal year under review.

Significant Subsequent Events

On April 26, 2022, the Board of Directors of the Company approved the resolution to acquire treasury stock pursuant to the provisions of Article 156 of the Companies Act as applied by replacing certain terms under the provisions of Article 165, Paragraph 3 of the same Act.

1. Reasons for acquisition of treasury stock
While strengthening shareholder returns, treasury stock is acquired in order to flexibly carry out its capital management strategies and to improve capital efficiency in response to changes in the business environment.

2. Details of the acquisition

(1) Class of shares to be acquired	Common stock of the Company
(2) Total number of shares to be acquired	Up to 1,000,000 shares (upper limit) [Representing 1.35% of the Total number of shares issued (excluding treasury stock)]
(3) Total acquisition cost	Up to 2,500,000,000 yen (upper limit)
(4) Acquisition period	From April 27, 2022 to August 31, 2022

6. Unconsolidated Financial Statements

(1) Balance Sheets

(Millions of yen)

	FY 2020 (as of March 31, 2021)	FY 2021 (as of March 31, 2022)
Assets		
Current assets		
Cash and bank deposits	30,594	31,595
Notes receivable - trade	1,888	1,933
Accounts receivable - trade	16,761	17,002
Contract assets	-	52
Marketable securities	1,500	1,500
Merchandise and finished goods	1,575	1,345
Work in process	330	384
Raw materials and supplies	1,830	2,219
Other current assets	667	761
Allowance for doubtful accounts	(2)	(2)
Total current assets	55,146	56,791
Fixed assets		
Tangible fixed assets		
Buildings	7,908	7,471
Structures	246	218
Machinery and equipment	666	494
Vehicles	2	1
Tools, furniture and fixtures	514	401
Land	5,333	5,312
Construction in progress	45	98
Total tangible fixed assets	14,717	13,997
Intangible fixed assets		
Goodwill	-	55
Software	2,917	2,174
Software in progress	585	526
Other	35	33
Total intangible fixed assets	3,538	2,790
Investments and other assets		
Investment securities	10,062	10,373
Shares of subsidiaries and associates	38,816	40,820
Investments in capital of subsidiaries and associates	180	180
Claims in bankruptcy and similar claims	245	245
Fixed leasehold deposits	849	651
Insurance funds	1,256	1,373
Deferred tax assets	1,008	1,060
Other	122	85
Allowance for doubtful accounts	(264)	(263)
Total investments and other assets	52,277	54,527
Total fixed assets	70,533	71,315
Total assets	125,680	128,107

(Millions of yen)

	FY 2020 (as of March 31, 2021)	FY 2021 (as of March 31, 2022)
Liabilities		
Current liabilities		
Notes payable - trade	319	267
Electronically recorded obligations	5,073	5,667
Accounts payable - trade	3,145	3,288
Accounts payable - other	103	91
Accrued expenses	1,826	953
Accrued income taxes	626	1,920
Accrued consumption taxes	425	518
Advances received	1,666	-
Deposits received	290	290
Deposits received from employees	1,879	1,885
Accrued bonuses	2,050	2,072
Accrued officers' bonuses	90	128
Other current liabilities	192	2,154
Total current liabilities	17,688	19,237
Long-term liabilities		
Provision for retirement benefits	902	1,069
Provision for stock benefit	245	293
Provision for directors' stock benefit	186	203
Total long-term liabilities	1,334	1,566
Total liabilities	19,023	20,804
Net assets		
Shareholders' equity		
Common stock	18,239	18,239
Capital surplus		
Legal capital surplus	19,292	19,292
Total capital surplus	19,292	19,292
Retained earnings		
Legal retained earnings	2,385	2,385
Other retained earnings		
General reserve	10,881	10,881
Retained earnings brought forward	58,429	60,967
Total retained earnings	71,696	74,233
Treasury stock	(4,443)	(6,546)
Total shareholders' equity	104,784	105,219
Valuation and translation adjustments		
Net unrealized gains (losses) on available- for-sale securities	1,872	2,083
Total valuation and translation adjustments	1,872	2,083
Total net assets	106,657	107,303
Total liabilities and net assets	125,680	128,107

(2) Statements of Income

(Millions of yen)

	FY 2020 (April 1, 2020- March 31, 2021)	FY 2021 (April 1, 2021– March 31, 2022)
Net sales	61,803	61,770
Cost of sales	34,741	33,754
Gross profit	27,062	28,016
Selling, general and administrative expenses	20,000	19,850
Operating profit	7,061	8,165
Non-operating profit		
Interest and dividend revenue	1,617	1,709
Foreign exchange gains	24	86
Other	692	710
Total non-operating profit	2,333	2,506
Non-operating expenses		
Interest expenses	19	20
Other	37	64
Total non-operating expenses	56	84
Ordinary profit	9,338	10,587
Extraordinary income		
Gain on sale of fixed assets	-	88
Gain on sales of investment securities	3	-
Total extraordinary income	3	88
Extraordinary losses		
Loss on disposal of fixed assets	1	3
Office transfer expenses	62	-
Total extraordinary losses	64	3
Income before income taxes	9,277	10,672
Income taxes	2,375	2,990
Deferred income taxes	96	(94)
Total income taxes	2,471	2,896
Net income	6,805	7,776

(3) Statement of Changes in Shareholders' Equity

FY 2020 (April 1, 2020–March 31, 2021)

	Shareholders' equity	Capital surplus	
		Legal capital surplus	Total capital surplus
Balance at the beginning of the year	18,239	19,292	19,292
Cumulative impact of changes of accounting policies			
Balance at the beginning of the period reflecting changes of accounting policies	18,239	19,292	19,292
Changes during the year			
Dividends from surplus			
Net income			
Purchase of treasury stock			
Disposal of treasury stock			
Net changes in items other than shareholders' equity			
Total changes during the year	—	—	—
Balance at year end	18,239	19,292	19,292

	Net assets					
	Retained earnings				Treasury stock	Total shareholders' equity
	Legal retained earnings	Other retained earnings		Total retained earnings		
		General reserve	Retained earnings brought forward			
Balance at the beginning of the year	2,385	10,881	57,327	70,594	(4,224)	103,902
Cumulative impact of changes of accounting policies			—	—		—
Balance at the beginning of the period reflecting changes of accounting policies	2,385	10,881	57,327	70,594	(4,224)	103,902
Changes during the year						
Dividends from surplus			(5,703)	(5,703)		(5,703)
Net income			6,805	6,805		6,805
Purchase of treasury stock					(246)	(246)
Disposal of treasury stock					26	26
Net changes in items other than shareholders' equity						
Total changes during the year	—	—	1,102	1,102	(219)	882
Balance at year end	2,385	10,881	58,429	71,696	(4,443)	104,784

(Millions of yen)

	Valuation and translation adjustments		Total net assets
	Valuation difference on available-for-sale securities	Total valuation and translation adjustments	
Balance at the beginning of the year	1,022	1,022	104,924
Cumulative impact of changes of accounting policies			—
Balance at the beginning of the period reflecting changes of accounting policies	1,022	1,022	104,924
Changes during the year			
Dividends from surplus			(5,703)
Net income			6,805
Purchase of treasury stock			(246)
Disposal of treasury stock			26
Net changes in items other than shareholders' equity	849	849	849
Total changes during the year	849	849	1,732
Balance at year end	1,872	1,872	106,657

FY 2021 (April 1, 2021–March 31, 2022)

	Shareholders' equity	Capital surplus	
		Legal capital surplus	Total capital surplus
Balance at the beginning of the year	18,239	19,292	19,292
Cumulative impact of changes of accounting policies			
Balance at the beginning of the period reflecting changes of accounting policies			
Changes during the year			
Dividends from surplus			
Net income			
Purchase of treasury stock			
Disposal of treasury stock			
Net changes in items other than shareholders' equity			
Total changes during the year	—	—	—
Balance at year end	18,239	19,292	19,292

	Net assets					
	Retained earnings				Treasury stock	Total shareholders' equity
	Legal retained earnings	Other retained earnings		Total retained earnings		
		General reserve	Retained earnings brought forward			
Balance at the beginning of the year	2,385	10,881	58,429	71,696	(4,443)	104,784
Cumulative impact of changes of accounting policies			(4)	(4)		(4)
Balance at the beginning of the period reflecting changes of accounting policies	2,385	10,881	58,425	71,691	(4,443)	104,780
Changes during the year						
Dividends from surplus			(5,234)	(5,234)		(5,234)
Net income			7,776	7,776		7,776
Purchase of treasury stock					(2,154)	(2,154)
Disposal of treasury stock					52	52
Net changes in items other than shareholders' equity						
Total changes during the year	—	—	2,541	2,541	(2,102)	439
Balance at year end	2,385	10,881	60,967	74,233	(6,546)	105,219

(Millions of yen)

	Valuation and translation adjustments		Total net assets
	Valuation difference on available-for-sale securities	Total valuation and translation adjustments	
Balance at the beginning of the year	1,872	1,872	106,657
Cumulative impact of changes of accounting policies			(4)
Balance at the beginning of the period reflecting changes of accounting policies	1,872	1,872	106,652
Changes during the year			
Dividends from surplus			(5,234)
Net income			7,776
Purchase of treasury stock			(2,154)
Disposal of treasury stock			52
Net changes in items other than shareholders' equity	211	211	211
Total changes during the year	211	211	650
Balance at year end	2,083	2,083	107,303

7. Breakdown of Unconsolidated Sales by Business Division

(Millions of yen)

Category	FY 2020 (April 1, 2020– March 31, 2021)		FY 2021 (April 1, 2021– March 31, 2022)		Change	
	Amount	Ratio (%)	Amount	Ratio (%)	Amount	%
Time Information System business:		%		%		%
Information Systems	16,591	26.8	16,351	26.5	(240)	(1.4)
Time Management Products	2,434	3.9	2,267	3.7	(166)	(6.8)
Parking Systems	22,728	36.9	22,462	36.3	(265)	(1.2)
Subtotal	41,754	67.6	41,081	66.5	(672)	(1.6)
Environment System business:						
Environmental Systems	15,795	25.5	16,488	26.7	692	4.4
Clean Systems	4,253	6.9	4,200	6.8	(52)	(1.2)
Subtotal	20,049	32.4	20,689	33.5	639	3.2
Total	61,803	100.0	61,770	100.0	(32)	(0.1)
Export sales	945	1.5	1,120	1.8	175	18.5

8. Change of Directors

The change of directors was already officially announced in "Notice: The Changes of Corporate Officers" as of March 25, 2022. (https://www.amano.co.jp/English/ir/dl/news/2022/20220325_1.pdf)

Summary Financial Statements (Consolidated) for Fiscal Year 2022 (Year Ended March 31, 2023) (Japan GAAP)

April 26, 2023

Company name: Amano Corporation — Listed on: TSE
Securities code: 6436 — URL https://www.amano.co.jp/en
Representative: Manabu Yamazaki, President & Representative Director
Inquiries: Kunihiro Ihara, Director & Managing Operating Officer General Manager, Corporate Planning — Phone: +81 (45) 439-1591

Scheduled date for Ordinary General Meeting of Shareholders: June 29, 2023
Scheduled date for filing of securities report: June 29, 2023
Scheduled date for start of dividend payments: June 30, 2023
Supplementary explanation materials prepared for financial results: Yes
Briefing held on financial results: Yes (for institutional investors and analysts)

(Amounts less than 1 million yen are rounded down)

1. Business results for fiscal year 2022 (April 1, 2022 to March 31, 2023)

(1) Operating results

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income attributable to owners of the parent company	
	Millions of yen	(% change)	Millions of yen	(% change)	Millions of yen	(% change)	Millions of yen	(% change)
FY 2022 (year ended March 2023)	132,810	12.1	15,787	22.4	16,960	21.8	11,288	16.0
FY 2021 (year ended March 2022)	118,429	4.3	12,893	29.8	13,919	26.3	9,733	34.3

Note: Comprehensive income — FY 2022 (year ended March 2023): ¥ 15,262 million (26.6%); FY 2021 (year ended March 2022): ¥ 12,052 million (48.9%)

	Net income per share	Diluted net income per share	Ratio of net income to equity capital	Ratio of ordinary profit to total assets	Ratio of operating profit to net sales
	Yen	Yen	%	%	%
FY 2022 (year ended March 2023)	154.42	—	9.6	10.2	11.9
FY 2021 (year ended March 2022)	131.49	—	8.6	9.0	10.9

Reference: Equity in earnings of affiliates — FY 2022 (year ended March 2023): ¥ 172 million; FY 2021 (year ended March 2022): ¥ 228 million

(2) Financial position

	Total assets	Net assets	Equity ratio	Net assets per share
	Millions of yen	Millions of yen	%	Yen
FY 2022 (year ended March 2023)	171,250	121,638	70.5	1,656.43
FY 2021 (year ended March 2022)	159,342	116,271	72.5	1,563.31

Reference: Equity capital — FY 2022 (year ended March 2023): ¥ 120,756 million; FY 2021 (year ended March 2022): ¥ 115,519 million

(3) Cash flows

	Cash flow from operating activities	Cash flow from investing activities	Cash flow from financing activities	Cash and cash equivalents at end of year
	Millions of yen	Millions of yen	Millions of yen	Millions of yen
FY 2022 (year ended March 2023)	18,951	(7,376)	(13,950)	55,084
FY 2021 (year ended March 2022)	19,200	(5,891)	(10,870)	55,931

2. Dividends

	Annual dividends					Total dividend amount (Year)	Payout ratio (Consolidated)	Ratio of dividend to net assets (Consolidated)
	First quarter-end	Second quarter-end	Third quarter-end	Year-end	Total			
	Yen	Yen	Yen	Yen	Yen	Millions of yen	%	%
FY 2021 (year ended March 2022)	—	25.00	—	70.00	95.00	7,057	72.5	6.2
FY 2022 (year ended March 2023)	—	30.00	—	80.00	110.00	8,062	71.4	6.8
FY 2023 (year ending March 2024) (est.)	—	35.00	—	80.00	115.00		67.4	

*The detail of year-end dividend of FY2021(year ended March 2022):ordinary dividend ¥50.00, commemorative dividend ¥20.00

3. Forecast earnings for fiscal year 2023 (April 1, 2023 to March 31, 2024)

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income attributable to owners of the parent company		Net income per share
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%	Yen
First half	63,700	5.4	6,400	14.2	6,900	10.5	4,200	13.4	57.61
Full year	140,000	5.4	17,700	12.1	18,500	9.1	12,500	10.7	171.46

Notes

(1) Significant changes among subsidiaries during the fiscal year under review (i.e. changes among specific subsidiaries resulting in a change in the scope of consolidation) : None

(2) Changes to accounting policy, changes to accounting forecasts, and restatements

[1] Changes arising from revision of accounting standards : Yes

[2] Changes to accounting policy other than those in [1] above : None

[3] Changes to accounting forecasts : None

[4] Restatements : None

(3) Number of shares issued and outstanding (common stock)

[1] Number of shares issued and outstanding at the end of the period (including treasury stock)	As of March 31, 2023	76,657,829 shares	As of March 31, 2022	76,657,829 shares
[2] Number of shares of treasury stock at the end of the period	As of March 31, 2023	3,756,315 shares	As of March 31, 2022	2,763,911 shares
[3] Average number of shares outstanding	As of March 31, 2023	73,104,399 shares	As of March 31, 2022	74,027,602 shares

Note: The number of shares of treasury stock as of March 31, 2023, includes the Company's shares held by the Director's Compensation BIP Trust and the Employee Stock Ownership Plan (J-ESOP).
(398,219 shares as of Mar. 31, 2023 and 400,519 shares as of March 31, 2022 respectively)
In addition, these Company's shares are included in the treasury stock which is deducted in calculating the average number of shares outstanding.

Reference: Non-consolidated results

1. Business results for fiscal year 2022 (April 1, 2022 to March 31, 2023)

(1) Operating results

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income	
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%
FY 2022 (year ended March 2023)	64,736	4.8	9,794	19.9	13,419	26.7	9,841	26.6
FY 2021 (year ended March 2022)	61,770	(0.1)	8,165	15.6	10,587	13.4	7,776	14.3

	Net income per share	Diluted net income per share
	Yen	Yen
FY 2022 (year ended March 2023)	134.62	—
FY 2021 (year ended March 2022)	105.04	—

(2) Financial position

	Total assets	Net assets	Equity ratio	Net assets per share
	Millions of yen	Millions of yen	%	Yen
FY 2022 (year ended March 2023)	129,614	107,446	82.9	1,473.86
FY 2021 (year ended March 2022)	128,107	107,303	83.8	1,452.13

Reference: Equity capital FY 2022 (year ended March 2023): ¥ 107,446 million
FY 2021 (year ended March 2022): ¥ 107,303 million

2. Forecast earnings for fiscal year 2023 (April 1, 2023 to March 31, 2024)

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income		Net income per share
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%	Yen
First half	30,300	6.0	3,600	11.2	6,100	8.1	4,300	5.3	58,98
Full year	69,000	6.6	10,600	8.2	14,100	5.1	10,300	4.7	141.29

Note: Summary Financial Statements are not subject to auditing by a certified public accountant or auditing firm.

Note: Explanation concerning appropriate use of the earnings forecast, and other matters to note

Caution regarding forward-looking statements

Earnings forecasts and other forward-looking statements contained in this document are based on information available at the time of this document's preparation and on certain assumptions that are deemed to be reasonable. A variety of factors could cause actual results to differ significantly from the forecasts.

Obtaining supplementary financial results materials and information on the scheduled financial results briefing

Supplementary financial results materials are disclosed via TDnet on the same day as the date of this document. Also, a financial results briefing for institutional investors and analysts is scheduled for Friday, April 28, 2023. The financial results materials to be distributed at this briefing are due to be published on the Amano's website immediately for Friday, April 28, 2023.

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1. General Business Results

(1) General Business Results for This Fiscal Year

During the consolidated fiscal year under review, the world economy showed signs of recovery amid progress in balancing economic activities with measures to prevent infection by the COVID-19. However, it seems that the future outlook for the Japanese economy continues to be uncertain due to the concerns about a recession in Europe and the U.S., various price hikes against the backdrop of the global supply chain disruptions, the impact of the situation in Ukraine, and unstable currency fluctuations, etc.

Amid this business environment, we the Amano Group set forth the management concept of "The 3rd Stage Towards a 100-year Company-Establishing a solid business foundation that leads to sustainable growth" in our 8th Medium-Term Business Plan launched in April 2021, in which we will promote strategic investments into growth drivers in order to respond to digital transformation (DX), and we shall establish unrivaled competitive advantage by raising the synergistic effects of the strengths of each of our business divisions.

As a result, during the fiscal year under review, Amano recorded net sales of ¥132,810 million, up by 12.1% year-on-year. Operating profit increased by 22.4% to ¥15,787 million, ordinary profit went up by 21.8% to ¥16,960 million, and net income attributable to owners of the parent company increased by 16.0% to ¥11,288 million, resulting in increases in both sales and profit.

(Main factors behind the business results)

(i) At non-consolidated Amano, sales of the Information Systems grew mainly in software, reflecting the continued strong investment in systems for DX initiatives and business efficiency improvement with the tailwind of “work style reform” continuing. Sales for the Environmental Systems continued to grow, especially for standard equipment. On the other hand, sales for the Parking Systems increased due to continued recovery, but failed to make up for the first half downfall resulted in the plan not being achieved.

(ii) In domestic group companies, the consigned parking lot management service business performed well, approaching pre-COVID-19 results, and T&A cloud service for work management continued to grow due to an increase in inquiries from customers.

(iii) In overseas markets, sales increased in North America, Europe, and Asia partly due to the effect of yen depreciation. In particular, overall sales in Asia increased by double digits due to significant growth in the Parking Systems in Korea, Hong Kong, and Malaysia. In North America, although sales of parking systems increased due to the effect of launching a new product, earnings improvement was not achieved to continued investment in development and other factors.

The following is a breakdown of sales by business division.

Sales by business division (Millions of yen)

Category	FY 2021 (April 1, 2021– March 31, 2022)		FY 2022 (April 1, 2022– March 31, 2023)		Change	
	Amount	Ratio (%)	Amount	Ratio (%)	Amount	%
Time Information System business:						
Information Systems	28,808	24.3	31,353	23.6	2,545	8.8
Time Management Products	2,700	2.3	2,841	2.1	141	5.2
Parking Systems	55,581	46.9	64,708	48.7	9,126	16.4
Subtotal	87,090	73.5	98,903	74.4	11,813	13.6
Environment System business:						
Environmental Systems	19,977	16.9	20,838	15.7	860	4.3
Clean Systems	11,361	9.6	13,068	9.9	1,706	15.0
Subtotal	31,339	26.5	33,906	25.6	2,567	8.2
Total	118,429	100.0	132,810	100.0	14,381	12.1

Time Information System business

The sales in this business totaled ¥98,903 million, up by ¥11,813 million (up 13.6%) year-on-year. The following is a breakdown of sales by business division.

• Information Systems ¥31,353 million (up 8.8% year-on-year)
Domestic sales for the current term were as follows. For Amano, on an unconsolidated basis, software sales increased by ¥641 million (6.9%) due to a recovery in orders for small to medium-sized businesses, hardware sales increased by ¥81 million (3.1%), and sales generated by maintenance contracts and supplies services increased by ¥72 million (1.6%) year-on-year. The cloud services developed by Amano Business Solutions Corporation continued to perform strongly.
Overall overseas sales increased by ¥1,664 million (14.6%), because sales for both Accu-Time Systems, Inc. in North America and Horoquartz S.A. in Europe increased.

• Time Management Products ¥2,841 million (up 5.2% year-on-year)
During the current term for Amano, on an unconsolidated basis, the sales of standard time recorders increased, although sales of PC-linked time recorders decreased, while overall sales increased ¥19 million (0.9%) year-on-year partly due to an increase in exports.
Overall overseas sales increased by ¥195 million (35.7%), as sales in North America and Asia increased.

• Parking Systems ¥64,708 million (up 16.4% year-on-year)
Domestic sales for the current term were as follows. For Amano, on an unconsolidated basis, domestic parking equipment sales increased by ¥377 million (2.8%) due to a recovery trend, while sales generated by maintenance contracts and supplies services increased by 937 million (10.7%). Sales continued to increase in the consigned parking lot management service business operated by Amano Management Service because it is on a recovery trend. As a result of the continued investment by them, the number of parking spaces under management increased by 34,500 (5.3%) from the end of the previous fiscal year.
Overall overseas sales increased by ¥7,186 million (32.2%) due to the increase in the sales of Amano McGann, Inc. in North America and the significant increase in sales of the consigned parking lot management service business in Korea, Hong Kong, and Malaysia in Asia.

Environment System business

The sales in this business totaled ¥33,906 million, up by ¥2,567 million (up 8.2%) year-on-year. The following is a breakdown of sales by business division.

• Environmental Systems ¥20,838 million (up 4.3% year-on-year)
During the current term for Amano, on an unconsolidated basis, domestic sales of standard equipment increased by ¥271 million (3.8%), although the trend was slowdown. On the other hand, sales of large dust collectors decreased by ¥50 million (1.0%) with the recovering signs of orders, while sales generated by maintenance contracts and supplies services increased by ¥409 million (10.1%) year-on-year.
Overall overseas sales increased by ¥282 million (8.0%) as sales in Asia increased due to a recovery in China.

• Clean Systems ¥13,068 million (up 15.0% year-on-year)
During the current term for Amano, on an unconsolidated basis, overall domestic sales of cleaning equipment increased by ¥160 million (8.0%) led by due to the effect of the launch of the new robotic floor scrubber, and domestic sales generated by maintenance contracts and supplies services decreased by ¥40 million (1.8%) year-on-year.
Overall overseas sales increased by ¥1,610 million (25.0%) as Amano Pioneer Eclipse Corporation in North America achieved the increase in sales.

Reference information

Information by area

(Millions of yen)

	Net sales				Operating profit or loss			
	FY 2021 (year ended March 2022)	FY 2022 (year ended March 2023)	Change	Percentage change (%)	FY 2021 (year ended March 2022)	FY 2022 (year ended March 2023)	Change	Percentage change (%)
Japan	75,222	78,840	3,618	4.8	14,830	16,936	2,105	14.2
Other Asia	19,614	25,431	5,816	29.7	902	1,784	882	97.7
North America	15,038	19,360	4,321	28.7	(626)	(722)	(96)	—
Europe	9,770	10,712	942	9.6	1,401	1,543	142	10.2
Total	119,646	134,345	14,698	12.3	16,508	19,542	3,034	18.4
Eliminations/ Corporate	(1,216)	(1,534)	—	—	(3,615)	(3,755)	—	—
Consolidated	118,429	132,810	14,381	12.1	12,893	15,787	2,894	22.4

Notes: 1. The national and regional demarcations are based on the degree of geographical proximity.
2. Major countries and territories included in areas other than Japan:
(1) Other Asia: Singapore, Thailand, Malaysia, Indonesia, South Korea, China, Philippines, and Vietnam
(2) North America: United States, Canada, and Mexico
(3) Europe: France, Belgium, and Spain

Overseas sales

(Millions of yen)

	Overseas sales				Proportion of consolidated net sales accounted for by overseas sales (%)		
	FY 2021 (year ended March 2022)	FY 2022 (year ended March 2023)	Change	Percentage change (%)	FY 2021 (year ended March 2022)	FY 2022 (year ended March 2023)	Change
Other Asia	19,628	25,580	5,952	30.3	16.6	19.3	2.7
North America	14,155	18,185	4,030	28.5	11.9	13.7	1.8
Europe	9,320	10,353	1,033	11.1	7.9	7.8	(0.1)
Other regions	1,220	1,198	(22)	(1.9)	1.0	0.9	(0.1)
Total	44,325	55,318	10,993	24.8	37.4	41.7	4.3
Consolidated net sales	118,429	132,810					

Notes: 1. The national and regional demarcations are based on the degree of geographical proximity.
2. Major countries and territories included in areas other than Japan:
(1) Other Asia: Singapore, Thailand, Malaysia, Indonesia, South Korea, China, Philippines, and Vietnam
(2) North America: United States and Canada
(3) Europe: France, Belgium, and Spain
(4) Other regions: Central and South America
3. Overseas sales comprise sales by the Company and its consolidated subsidiaries to countries and regions other than Japan.

(2) General Financial Condition for This Fiscal Year

(i) Assets, liabilities, and net assets

Total assets amounted to ¥171,250 million (up ¥11,907 million from the previous consolidated fiscal year-end).

•Current assets: an increase of ¥8,211 million due to increases in notes and accounts receivable-trade and contract assets and raw materials and supplies, etc.

•Fixed assets: an increase of ¥3,695 million due to an increase in lease assets, etc.

Total liabilities amounted to ¥49,612 million (up ¥6,541 million from the previous consolidated fiscal year-end).

•Current liabilities: an increase of ¥3,688 million due to an increase in electronically recorded obligations, etc.

•Long-term liabilities: an increase of ¥2,852 million due to an increase in lease obligations, etc.

Net assets amounted to ¥121,638 million (up ¥5,366 million from the previous consolidated fiscal year-end).

•Shareholders' equity: an increase of ¥1,415 million due to posting of net income attributable to owners of the parent company, etc.

•Accumulated other comprehensive income: an increase of ¥3,821 million due to increases in foreign currency translation adjustments, etc.

(3) Summary of Cash Flows for This Fiscal Year

Consolidated cash and cash equivalents decreased by ¥847 million from the previous fiscal year-end to a total of ¥55,084 million as of March 31, 2023. The status of each type of cash flow at year-end and the underlying factors are as follows.

Net cash provided by operating activities totaled ¥18,951 million (a decrease in income of ¥249 million year-on-year).

•Main income factors:

Posting of income before income taxes amounting to ¥16,752 million and posting of depreciation and amortization amounting to ¥9,017 million.

•Main expenditure factors:

Posting of income taxes paid amounting to ¥5,670 million and posting of increase in inventories amounting to ¥2,617 million.

Posting of increase in trade notes and accounts receivable and contract assets amounting to ¥2,002 million.

Net cash used in investing activities totaled −¥7,376 million (an increase in cash outflow of ¥1,484 million year-on-year).

•Main income factors:

Posting of proceeds from withdrawal of time deposits amounting to ¥2,968 million.

•Main expenditure factors:

Posting of increase in time deposits amounting to ¥5,892 million and posting of payment for purchase of tangible fixed assets amounting to ¥2,795 million.

Posting of payment for acquisition of intangible fixed assets amounting to ¥1,577 million.

Net cash used in financing activities amounted to −¥13,950 million (an increase in cash outflow of ¥3,080 million year-on-year).

•Main income factors:

Posting of proceeds from sale and leaseback amounting to ¥1,730 million.

•Main expenditure factors:

Posting of dividends paid amounting to ¥7,399 million and posting of repayments of lease obligations amounting to ¥5,607 million.

Posting of payment for acquisition of treasury stock amounting to ¥2,479 million.

(4) Future Outlook

In the next fiscal year ending March 31, 2024, the world economy showed signs of recovery amid progress in balancing economic activities with measures to prevent infection by the COVID-19. However, it seems that the future outlook for the Japanese economy continues to be uncertain due to the growing concerns about a financial instability and a recession in Europe and the U.S., various price hikes against the backdrop of the global supply chain disruptions and the impact of the situation in Ukraine, etc., and unstable currency fluctuations, etc.
Amid this business environment, Amano and our group companies have set "The 4th Stage Towards a 100-year Company-Commitment to a Paradigm Shift Leading to Sustainable Management" as our management concept and work to address key issues in the 9th Medium-Term Business Plan.
The detail of this plan is available for inspection on the Amano's website.

(5) Basic Policy on Distribution of Profits and Payment of Dividends for This Fiscal Year and the Next

Amano places great importance on our policy of paying dividends to shareholders. Our fundamental policy to return profits to shareholders is to make appropriate performance-based distributions and to buy back shares, as it deems necessary. We aim to maintain a dividend payout ratio of at least 40% on a consolidated basis, a net asset dividend rate of at least 2.5%, and a total return ratio of at least 55%.
In line with this policy, taking into account our current-year operations results, we plan to pay a year-end dividend of ¥80 per share, and the annual per-share dividend for this fiscal year will be ¥110 (including ¥30 per share paid as the interim dividend), an increase of ¥15 from the annual per share dividend of ¥95 for the previous fiscal year.
In addition, the Board of Directors approved a resolution regarding the acquisition of treasury stock on April 26, 2023. The detail of this matter is available for inspection on the Amano's website.
（https://www.amano.co.jp/en/ir/dl/news/2023/20230426_4.pdf）.
As a result, the consolidated payout ratio will be 71.4%, the net asset dividend rate will be 6.8%, and the total return ratio will be 92.7%.
With regard to the dividend for the next fiscal year ending March 31, 2024, in line with our Basic Policy on Distribution of Profits and in view of our outlook for the next fiscal year, we currently aim to pay an annual per share dividend of ¥115 (with an interim dividend of ¥35 and a year-end dividend of ¥80).
Retained earnings will be earmarked to fund effective investment aimed at the fundamental enhancement of the capacity to conduct our business operations. This will include the expansion and strengthening of existing business fields, strategic investment in growth fields, and spending on research and development, as well as the rationalization of production plants and equipment for the purpose of reducing costs and further improving product quality, etc.

2. Business Policies

(1) Basic Management Policy

Amano's management philosophy is to create new values and contribute to the realization of a safe, comfortable and a wholesome society in the fields of "People & Time" and "People & Air."
Under this management philosophy and based on an optimal governance structure that responds to changes in the business environment, we will strive to maximize corporate value by ensuring sustained growth through the creation of new businesses and markets with a medium-to long-term global perspective, in addition to expanding our existing businesses. Furthermore, we will aim to become a company that has the trust and high regard of all the stakeholders including customers, business partner companies, shareholders, employees and local communities by constantly returning a fair profit earned through business activities.

(2) Our Medium-long Term Business Strategy

Amano launched the 9th Medium-Term Business Plan for the three years from April 2023 to March 2026, the detail of which is available for inspection on the Amano's website.
（https://www.amano.co.jp/en/ir/managementpolicy/plan/）

[1] Basic policies

In the 9th Medium-Term Business Plan, we have set "The 4th Stage Towards a 100-year Company - Commitment to Paradigm Shift Leading to Sustainable Management" as our management concept.
Starting as a hardware manufacturer, we have grown as a company that provides total solutions including services such as software, cloud services, and consigned businesses, etc., in response to changing market needs and technological innovation. To further develop this trend, we will promote DX in each business field and execute strategic investments in software-based assets, IoT, AI, etc. In addition, we will improve customer convenience by enhancing the functions of standard products and further enhance our competitive advantage in terms of profitability. Furthermore, we will develop and expand our management infrastructure and work to solve social issues such as maximizing the value of human capital and reducing environmental impact.
Under this policy, we will expand our business performance based on the three growth drivers, aiming to achieve sales of ¥160,000 million, operating profit of ¥21,000 million, operating profit margin (OPR) of 13%, and ROE of 12% in the fiscal year ending March 31, 2026, the final year of this plan.

Expansion of business performance based on the three growth drivers in the 9th Medium-Term Business Plan.

(i) Information Systems: Software plus cloud services
(ii) Parking Systems: Proposals centric to the Data center for Systems and Management Services
(iii) Clean Systems: Robot plus cloud service proposals

[2] Numerical targets

(Millions of yen)

	FY 2023 (year ending March 2024)		FY 2024 (year ending March 2025)		FY 2025 (year ending March 2026)	
	Amount	YoY (%)	Amount	YoY (%)	Amount	YoY (%)
Net sales	140,000	5.4	150,000	7.1	160,000	6.7
Operating profit	17,700	12.1	19,500	10.2	21,000	7.7
Operating profit ratio (%)	12.6%	—	13.0%	—	13.1%	—
Ordinary profit	18,500	9.1	20,500	10.8	22,000	7.3
Net income attributable to owners of the parent company	12,500	10.7	13,500	8.0	14,500	7.4

3. Basic Approach to the Selection of Accounting Standards

We have not determined a specific date for the adoption of IFRS; however, to prepare for the future adoption, we will undertake the preparations and examinations that are presently possible, and at the same time we will continue to collect and study international accounting information.

4. Consolidated Financial Statements and Primary Explanatory Notes

(1) Consolidated Balance Sheets

(Millions of yen)

	FY 2021 (as of March 31, 2022)	FY 2022 (as of March 31, 2023)
Assets		
Current assets		
Cash and bank deposits	60,337	62,399
Notes and accounts receivable—trade and contract assets	27,995	30,958
Marketable securities	3,219	3,357
Merchandise and finished goods	3,687	4,663
Work in process	559	791
Raw materials and supplies	5,741	7,956
Other current assets	4,464	4,112
Allowance for doubtful accounts	(468)	(491)
Total current assets	105,537	113,749
Fixed assets		
Tangible fixed assets		
Buildings and structures	28,591	29,016
Accumulated depreciation	(19,697)	(20,419)
Buildings and structures (net)	8,894	8,597
Machinery and vehicles	7,355	7,807
Accumulated depreciation	(6,629)	(6,914)
Machinery and vehicles (net)	725	892
Tools, furniture and fixtures	15,755	16,704
Accumulated depreciation	(13,717)	(14,422)
Tools, furniture and fixtures (net)	2,038	2,281
Land	5,818	5,846
Lease assets	15,041	19,149
Accumulated depreciation	(7,035)	(7,995)
Lease assets (net)	8,005	11,153
Construction in progress	298	364
Total tangible fixed assets	25,780	29,135
Intangible fixed assets		
Goodwill	1,417	1,214
Software	2,980	3,194
Software in progress	1,110	702
Other	1,740	1,729
Total intangible fixed assets	7,249	6,840
Investments and other assets		
Investment securities	14,694	14,974
Claims in bankruptcy and similar claims	522	458
Fixed leasehold deposits	1,547	1,661
Net defined benefit assets	128	115
Deferred tax assets	2,505	2,591
Other	1,911	2,194
Allowance for doubtful accounts	(533)	(470)
Total investments and other assets	20,776	21,525
Total fixed assets	53,805	57,501
Total assets	159,342	171,250

(Millions of yen)

	FY 2021 (as of March 31, 2022)	FY 2022 (as of March 31, 2023)
Liabilities		
Current liabilities		
Notes and accounts payable—trade	5,605	6,138
Electronically recorded obligations	5,667	6,284
Short-term bank loans	367	266
Lease liabilities	3,610	4,150
Accrued income taxes	3,426	3,523
Accrued bonuses	2,569	2,766
Accrued officers' bonuses	128	130
Other current liabilities	13,450	15,252
Total current liabilities	34,825	38,513
Long-term liabilities		
Lease liabilities	4,994	7,791
Deferred tax liabilities	12	16
Net defined benefit liabilities	2,377	2,281
Provision for stock benefit	293	357
Provision for directors' stock benefit	203	249
Asset retirement obligations	33	34
Other long-term liabilities	331	367
Total long-term liabilities	8,245	11,098
Total liabilities	43,071	49,612
Net assets		
Shareholders' equity		
Common stock	18,239	18,239
Capital surplus	19,293	19,293
Retained earnings	86,244	90,133
Treasury stock	(6,546)	(9,019)
Total shareholders' equity	117,230	118,646
Accumulated other comprehensive income		
Net unrealized gains (losses) on available- for-sale securities	2,088	2,237
Foreign currency translation adjustments	(3,250)	248
Remeasurements of defined benefit plans	(549)	(375)
Total accumulated other comprehensive income	(1,711)	2,109
Non-controlling shareholders' interests	752	882
Total net assets	116,271	121,638
Total liabilities and net assets	159,342	171,250

(2) Consolidated Statements of Income and Consolidated Statements of Comprehensive Income

Consolidated Statements of Income

(Millions of yen)

	FY 2021 (April 1, 2021- March 31, 2022)	FY 2022 (April 1, 2022– March 31, 2023)
Net sales	118,429	132,810
Cost of sales	64,876	72,555
Gross profit	53,552	60,254
Selling, general and administrative expenses		
Selling expenses	36,738	40,551
General and administrative expenses	3,921	3,916
Total selling, general and administrative expenses	40,659	44,467
Operating profit	12,893	15,787
Non-operating profit		
Interest income	203	265
Dividend income	208	245
Insurance dividend income	122	161
Insurance income	28	70
Foreign exchange gains	108	48
Equity in earnings of affiliates	228	172
Other	385	440
Total non-operating profit	1,285	1,405
Non-operating expenses		
Interest expenses	138	151
Foreign withholding tax	21	0
Other	99	80
Total non-operating expenses	258	232
Ordinary profit	13,919	16,960
Extraordinary income		
Gain on sale of fixed assets	412	11
Total extraordinary income	412	11
Extraordinary losses		
Loss on disposal of fixed assets	49	58
Loss on sale of fixed assets	5	1
Office transfer expenses	-	11
Sublease loss	24	-
Loss on valuation of investment securities	-	150
Total extraordinary losses	78	220
Income before income taxes	14,253	16,752
Income taxes	4,745	5,584
Deferred income taxes	(271)	(186)
Total income taxes	4,474	5,397
Net income	9,778	11,354
Net income attributable to non-controlling shareholders	45	65
Net income attributable to owners of the parent company	9,733	11,288

Consolidated Statements of Comprehensive Income

(Millions of yen)

	FY 2021 (April 1, 2021- March 31, 2022)	FY 2022 (April 1, 2022– March 31, 2023)
Net income	9,778	11,354
Other comprehensive income		
Net unrealized gains (losses) on available-for-sale securities	212	150
Foreign currency translation adjustment	1,990	3,583
Remeasurements of defined benefit plans	70	174
Share of other comprehensive income of associates accounted for using equity method	0	0
Total other comprehensive income	2,273	3,907
Comprehensive income	12,052	15,262
(Breakdown)		
Comprehensive income attributable to owners of the parent company	12,008	15,109
Comprehensive income attributable to non-controlling shareholders	43	152

(3) Consolidated Statement of Changes in Shareholders' Equity

FY 2021 (April 1, 2021–March 31, 2022)

(Millions of yen)

	Net assets				
	Shareholders' equity	Capital surplus	Retained earnings	Treasury stock	Total shareholders' equity
Balance at the beginning of the year	18,239	19,293	81,749	(4,443)	114,838
Cumulative impact of changes of accounting policies			(4)		(4)
Balance at the beginning of the period reflecting changes of accounting policies	18,239	19,293	81,744	(4,443)	114,833
Changes during the year					
Dividends from surplus			(5,234)		(5,234)
Net income attributable to owners of the parent company			9,733		9,733
Purchase of treasury stock				(2,154)	(2,154)
Disposal of treasury stock				52	52
Net changes in items other than shareholders' equity					
Total changes during the year	—	—	4,499	(2,102)	2,397
Balance at year end	18,239	19,293	86,244	(6,546)	117,230

	Accumulated other comprehensive income				Non-controlling shareholders' interests	Total net assets
	Net unrealized gains (losses) on available-for-sale securities	Foreign currency translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income		
Balance at the beginning of the year	1,875	(5,242)	(620)	(3,986)	733	111,585
Cumulative impact of changes of accounting policies						(4)
Balance at the beginning of the period reflecting changes of accounting policies	1,875	(5,242)	(620)	(3,986)	733	111,581
Changes during the year						
Dividends from surplus						(5,234)
Net income attributable to owners of the parent company						9,733
Purchase of treasury stock						(2,154)
Disposal of treasury stock						52
Net changes in items other than shareholders' equity	212	1,991	70	2,274	18	2,293
Total changes during the year	212	1,991	70	2,274	18	4,690
Balance at year end	2,088	(3,250)	(549)	(1,711)	752	116,271

FY 2022 (April 1, 2022–March 31, 2023)

(Millions of yen)

	Net assets				
	Shareholders' equity	Capital surplus	Retained earnings	Treasury stock	Total shareholders' equity
Balance at the beginning of the year	18,239	19,293	86,244	(6,546)	117,230
Cumulative impact of changes of accounting policies			—		—
Balance at the beginning of the period reflecting changes of accounting policies	18,239	19,293	86,244	(6,546)	117,230
Changes during the year					
Dividends from surplus			(7,399)		(7,399)
Net income attributable to owners of the parent company			11,288		11,288
Purchase of treasury stock				(2,479)	(2,479)
Disposal of treasury stock				5	5
Net changes in items other than shareholders' equity					
Total changes during the year	—	—	3,888	(2,473)	1,415
Balance at year end	18,239	19,293	90,133	(9,019)	118,646

	Accumulated other comprehensive income				Non-controlling shareholders' interests	Total net assets
	Net unrealized gains (losses) on available-for-sale securities	Foreign currency translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income		
Balance at the beginning of the year	2,088	(3,250)	(549)	(1,711)	752	116,271
Cumulative impact of changes of accounting policies						—
Balance at the beginning of the period reflecting changes of accounting policies	2,088	(3,250)	(549)	(1,711)	752	116,271
Changes during the year						
Dividends from surplus						(7,399)
Net income attributable to owners of the parent company						11,288
Purchase of treasury stock						(2,479)
Disposal of treasury stock						5
Net changes in items other than shareholders' equity	148	3,498	174	3,821	129	3,951
Total changes during the year	148	3,498	174	3,821	129	5,366
Balance at year end	2,237	248	(375)	(2,109)	882	121,638

(4) Consolidated Statements of Cash Flows

(Millions of yen)

	FY 2021 (April 1, 2021- March 31, 2022)	FY 2022 (April 1, 2022– March 31, 2023)
Cash flows from operating activities		
Income before income taxes	14,253	16,752
Depreciation and amortization	8,070	9,017
Amortization of goodwill	351	311
Increase (decrease) in net defined benefit liabilities	148	108
Increase (decrease) in provision for stock benefit	83	70
Increase (decrease) in provision for directors' stock benefit	32	45
Increase (decrease) in allowance for doubtful accounts	(28)	(113)
Interest and dividend revenue	(411)	(511)
Equity in (earnings) losses of affiliates	(228)	(172)
Interest expenses	138	151
Foreign currency translation loss (gain)	(114)	(79)
Loss (gain) on sale of fixed assets	(406)	(10)
Loss on disposal of fixed assets	49	58
(Increase) decrease in trade notes and accounts receivable and contract assets	24	-
Loss (gain) on valuation of investment securities	-	150
(Increase) decrease in trade notes and accounts receivable and contract assets	(274)	(2,002)
(Increase) decrease in inventories	(645)	(2,617)
Increase (decrease) in trade payables	672	853
Increase (decrease) in other current liabilities	(346)	1,041
Other	272	591
Subtotal	21,641	23,644
Receipts from interest and dividends	524	614
Interest paid	(137)	(151)
Income taxes paid	(2,938)	(5,670)
Income taxes refunded	111	514
Net cash provided by operating activities	19,200	18,951
Cash flows from investing activities		
Payment for acquisition of securities	(3,850)	(3,850)
Proceeds from redemption of securities	3,450	4,050
Payment for purchase of tangible fixed assets	(1,951)	(2,795)
Proceeds from sale of tangible fixed assets	771	18
Payment for acquisition of intangible fixed assets	(1,597)	(1,577)
Payment for acquisition of investment securities	(2,110)	(306)
Payments for acquisition of businesses	(200)	-
Increase in time deposits	(2,962)	(5,892)
Proceeds from withdrawal of time deposits	2,428	2,968
Other	129	7
Net cash used in investing activities	(5,891)	(7,376)

(Millions of yen)

	FY 2021 (April 1, 2021- March 31, 2022)	FY 2022 (April 1, 2022– March 31, 2023)
Cash flows from financing activities		
Increase in short-term loans payable	358	213
Repayment for short-term bank loans	(519)	(385)
Payment for acquisition of treasury stock	(2,154)	(2,479)
Repayments of lease liabilities	(4,606)	(5,607)
Proceeds from sale and leaseback	1,312	1,730
Dividends paid	(5,234)	(7,399)
Payment of dividends to non-controlling shareholders	(25)	(22)
Cash flows from financing activities	(10,870)	(13,950)
Effect of exchange rate changes on cash and cash equivalents	947	1,528
Net increase (decrease) in cash and cash equivalents	3,385	(847)
Cash and cash equivalents at the beginning of the year	52,546	55,931
Cash and cash equivalents at end of period	55,931	55,084

(5) Notes to Consolidated Financial Statements

Notes Regarding the Premise of a Going Concern

None

Change of Accounting Policy

(Application of ASU 2016-02 "Leases")

For those of our subsidiaries that are subject to US-GAAP, we have applied ASU 2016-02 "Leases" from the current fiscal year. Accordingly, in principle, lessees recognize all leases on the current fiscal year consolidated balance sheet as assets and liabilities. In adopting this accounting standard, we have adopted the permitted transitional measure whereby the cumulative effect when applying this standard, is recognized on the effective date of application.

As a result, compared with the previous accounting standard, the balance of lease assets under tangible fixed assets increased by ¥662 million, lease obligations under current liabilities by ¥148 million, and lease obligations under long-term liabilities by ¥513 million at the beginning of the current fiscal year. The effect of this change on profit and loss for the current fiscal year was negligible.

Additional Information

(Directors' Compensation BIP Trust and Employee Stock Ownership Plan (J-ESOP))

In Amano Corporation and some of our subsidiaries, for the purpose of enhancing the motivation to contribute to the improvement of medium- to long-term business performance and to increase corporate value, we have adopted the Directors' Compensation BIP Trust system for directors (excluding outside directors and expatriates) and operating officers (excluding expatriates). We have also adopted the Employee Stock Ownership Plan (J-ESOP) system for employees who meet the prescribed requirements.

[1] Outline of the system

Under the system, a trust is established with money contributed by Amano Corporation as a source, stocks of Amano Corporation are acquired by the trust, and the stocks are granted to the eligible persons. Furthermore, as for the executive compensation BIP trust, the trust period will be extended for the same period as the initial trust period as a stock compensation plan linked to the period of the 8th Medium-Term Business Plan which started in April 2020.

Under the Directors' Compensation BIP Trust, in accordance with the stock distribution rules and based on points granted according to the attainment level of numerical targets related to their positions and management indicators, stocks of Amano Corporation are provided by the trust to directors and operating officers.

Under the Employee Stock Ownership Plan (J-ESOP), in accordance with the stock distribution rules and based on points granted according to their positions and operating performance, etc., stocks of Amano Corporation are provided by the trust to employees who meet certain requirements.

[2] Stocks of Amano Corporation that remain in the trust

Stocks of Amano Corporation that remain in the trust are recorded as treasury stock in the net assets section with the book value of the trust (excluding incidental expenses).

Book value of the treasury stock and the number of shares

Current fiscal year	¥987 million, 398,219 shares

In addition, the Board of Directors approved a resolution regarding the continuance and partial revision of the Directors' Compensation BIP Trust on April 26, 2023. The detail of this matter is available for inspection on the Amano's website.

（https://www.amano.co.jp/en/ir/dl/news/2023/20230426_3.pdf）

Segment Information

1. Outline of Reporting Segments

The reporting segments are defined as those business units which constitute the Company and from which separate financial information can be obtained. The reporting segments are periodically reviewed by the Company's highest decision-making body to determine the allocation of management resources and evaluate financial results.

The Company maintains several business units at its head office, separated into product and service types. The role of these business units is to formulate and implement domestic business strategies for similar types of products and services. In overseas business, meanwhile, local subsidiaries in each region develop strategies in their respective business fields in cooperation with the relevant business unit at the head office and carry out business activities in accordance with such strategy.

Based on the above, the Company divides its business into two segments, from which separate financial information can be obtained on a consolidated basis: the Time Information System business and the Environment System business. The operating results of these two segments are periodically reviewed by the Company's highest decision-making body to determine the allocation of management resources and evaluate financial results.

As described above, the Company's reporting segments consist of the Time Information System business and the Environment System business.

The Time Information System business and the Environment System business manufacture and sell the following products:

Business segment	Sales category	Principal products
Time Information System business	Information Systems	Time & Attendance (T&A), Human Resource (HR) systems, payroll information systems, cafeteria systems, access control, proximity IC card solutions, system time recorders, T&A and HR and payroll ASP services, time distribution and authentication services (digital time stamps)
	Time Management Products	PC-linked time recorders, online time recorders, computerized time recorders, standard electronic time recorders, electronic time stamps, patrol recorders
	Parking Systems	Automatic fee settlement systems, access control systems, parking lot management systems, bicycle parking lot management systems, automatic time registers, parking tower management systems, Internet-based parking guidance systems, commissioned parking lot management business
Environment System business	Environmental Systems	Industrial vacuum cleaners, standard dust collectors, mist collectors, fume collectors, large dust collection systems, deodorization systems, high-temperature hazardous-gas removal systems, pneumatic powder conveyance systems, environmental equipment monitoring/maintenance support systems, industrial air purifiers
	Clean Systems	Commercial vacuum cleaners, automatic floor scrubbers, robotic floor scrubbers, road and industrial sweepers, high-speed burnishers, polisher chemical products, supplies and accessories, wooden floor sanding machines, consigned janitorial management services, electrolytic water cleaning systems, alkaline electrolytic water industrial cleaning systems

2. Methodology for Determining Net Sales, Profit/Loss, Assets, Liabilities, and Other Line Item Amounts by Reporting Segment

The accounting methods of the reported business segments are in accordance with the accounting policies adopted to prepare the consolidated financial statements.

Profits for the reporting segments are reported at the operating profit level.

Intersegment internal earnings and transfers are based on prevailing market prices.

3. Information by Reporting Segment Regarding Net Sales, Profit/Loss, Assets, Liabilities, and Other Line Item Amounts

FY 2021 (April 1, 2021–March 31, 2022)

(Millions of yen)

	Reporting segments			Adjustments (Note 1)	Amounts reported in consolidated financial statements (Note 2)
	Time Information System business	Environment System business	Total		
Net sales					
To customers	87,090	31,339	118,429	—	118,429
Intersegment	—	—	—	—	—
Total	87,090	31,339	118,429	—	118,429
Segment profit (loss)	12,569	4,136	16,706	(3,813)	12,893
Segment assets	70,331	29,704	100,036	59,306	159,342
Other items					
Depreciation and amortization	6,879	644	7,523	547	8,070
Investments in affiliates accounted for using the equity method	2,261	—	2,261	—	2,261
Increases in tangible and intangible fixed assets	6,940	334	7,274	259	7,534

Notes: 1. Details of the adjustments are as follows.
(1) The −¥3,813 million adjustment in segment profit indicates company-wide expenses not allocated to the reporting segments. Company-wide expenses consist mainly of general and administrative expenses that do not belong to any of the reporting segments.
(2) The ¥59,306 million adjustment in segment assets indicates company-wide assets not allocated to the reporting segments. Company-wide assets consist mainly of assets and others associated with the administration function that do not belong to any of the reporting segments.
2. Segment profit is reconciled with operating profit in the consolidated statement of income.

FY 2022 (April 1, 2022–March 31, 2023)

(Millions of yen)

	Reporting segments			Adjustments (Note 1)	Amounts reported in consolidated financial statements (Note 2)
	Time Information System business	Environment System business	Total		
Net sales					
To customers	98,903	33,906	132,810	—	132,810
Intersegment	—	—	—	—	—
Total	98,903	33,906	132,810	—	132,810
Segment profit (loss)	14,927	4,705	19,632	(3,844)	15,787
Segment assets	79,509	30,935	110,444	60,806	171,250
Other items					
Depreciation and amortization	7,773	748	8,521	496	9,017
Investments in affiliates accounted for using the equity method	2,331	—	2,331	—	2,331
Increases in tangible and intangible fixed assets	9,363	781	10,145	257	10,402

Notes: 1. Details of the adjustments are as follows.
(1) The −¥3,844 million adjustment in segment profit indicates company-wide expenses not allocated to the reporting segments. Company-wide expenses consist mainly of general and administrative expenses that do not belong to any of the reporting segments.
(2) The ¥60,806 million adjustment in segment assets indicates company-wide assets not allocated to the reporting segments. Company-wide assets consist mainly of assets and others associated with the administration function that do not belong to any of the reporting segments.
2. Segment profit is reconciled with operating profit in the consolidated statement of income.

Per-share Data

	FY 2021 (April 1, 2021– March 31, 2022)	FY 2022 (April 1, 2022– March 31, 2023)
Net assets per share (Yen)	1,563.31	1,656.43
Net income per share (Yen)	131.49	154.42

Note: 1. Details for the diluted net income per share are not stated, because there are no potential shares.
2. The net income per share is calculated on the following basis.

Item	FY 2021 (April 1, 2021– March 31, 2022)	FY 2022 (April 1, 2022– March 31, 2023)
Net income per share		
Net income attributable to owners of the parent company (Millions of yen)	9,733	11,288
Amount not attributed to common stockholders (Millions of yen)	—	—
Net income for common stock attributable to owners of the parent company (Millions of yen)	9,733	11,288
Average number of shares of common stock outstanding (Shares)	74,027,602	73,104,399

3. The net assets per share are calculated on the following basis.

Item	FY 2021 (as of March 31, 2022)	FY 2022 (as of March 31, 2023)
Total net assets (Millions of yen)	116,271	121,638
Amount to be deducted from total net assets (Millions of yen)	752	882
(of which, non-controlling shareholders' interests) (Millions of yen)	(752)	(882)
Net assets at the end of year attributable to common stock (Millions of yen)	115,519	120,756
Number of shares of common stock outstanding at year end used to calculate net assets per share (Shares)	73,893,918	72,901,514

4. Shares remaining in trust of the Director's Compensation BIP Trust and the Employee Stock Ownership Plan (J-ESOP) recognized in shareholders' equity as treasury stock are included in treasury stock to be deducted in the calculation of the average number of shares outstanding over the period to calculate net income per share and also included in treasuring stock to be deducted in the calculation of the number of shares of treasury stock at the end of the period to calculate net assets per share. The average number of shares of such treasury stock outstanding over the period that was deducted to calculate net income per share was 412,477 shares for the previous fiscal year and 398,794 for the fiscal year under review. The number of shares of treasury stock at the end of the period that was deducted to calculate net assets per share was 400,519 shares for the previous fiscal year and 398,219 for the fiscal year under review.

Significant Subsequent Events

On April 26, 2023, the Board of Directors of the Company approved the resolution to acquire treasury stock pursuant to the provisions of Article 156 of the Companies Act as applied by replacing certain terms under the provisions of Article 165, Paragraph 3 of the same Act.

1. Reasons for acquisition of treasury stock

While strengthening shareholder returns, treasury stock is acquired in order to flexibly carry out its capital management strategies and to improve capital efficiency in response to changes in the business environment.

2. Details of the acquisition

(1)	Class of shares to be acquired	Common stock of the Company
(2)	Total number of shares to be acquired	Up to 800,000 shares (upper limit) [Representing 1.09% of the Total number of shares issued (excluding treasury stock)]
(3)	Total acquisition cost	Up to JPY2,400 Million (upper limit)
(4)	Acquisition period	From April 27, 2023 to August 31, 2023

Summary Financial Statements (Consolidated) for Fiscal Year 2023 (Year Ended March 31, 2024) (Japan GAAP)

April 25, 2024

Company name: Amano Corporation — Listed on: TSE
Securities code: 6436 — URL https://www.amano.co.jp/en
Representative: Manabu Yamazaki, President & Representative Director
Inquiries: Kunihiro Ihara, Director & Executive Operating Officer General Manager, Corporate Planning — Phone: +81 (45) 439-1591

Scheduled date for Ordinary General Meeting of Shareholders: June 27, 2024
Scheduled date for filing of securities report: June 27, 2024
Scheduled date for start of dividend payments: June 28, 2024
Supplementary explanation materials prepared for financial results: Yes
Briefing held on financial results: Yes (for institutional investors and analysts)

(Amounts less than 1 million yen are rounded down)

1. Business results for fiscal year 2023 (April 1, 2023 to March 31, 2024)

(1) Operating results

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income attributable to owners of the parent company	
	Millions of yen	(% change)	Millions of yen	(% change)	Millions of yen	(% change)	Millions of yen	(% change)
FY 2023 (year ended March 2024)	152,864	15.1	19,567	23.9	20,855	23.0	13,141	16.4
FY 2022 (year ended March 2023)	132,810	12.1	15,787	22.4	16,960	21.8	11,288	16.0

Note: Comprehensive income — FY 2023 (year ended March 2024): ¥ 19,403 million (27.1%)
FY 2022 (year ended March 2023): ¥ 15,262 million (26.6%)

	Net income per share	Diluted net income per share	Ratio of net income to equity capital	Ratio of ordinary profit to total assets	Ratio of operating profit to net sales
	Yen	Yen	%	%	%
FY 2023 (year ended March 2024)	182.48	—	10.6	11.7	12.8
FY 2022 (year ended March 2023)	154.42	—	9.6	10.2	11.9

Reference: Equity in earnings of affiliates — FY 2023 (year ended March 2024): ¥ 184 million
FY 2022 (year ended March 2023): ¥ 172 million

(2) Financial position

	Total assets	Net assets	Equity ratio	Net assets per share
	Millions of yen	Millions of yen	%	Yen
FY 2023 (year ended March 2024)	184,585	128,103	69.1	1,779.42
FY 2022 (year ended March 2023)	171,250	121,638	70.5	1,656.43

Reference: Equity capital — FY 2023 (year ended March 2024): ¥ 127,600 million
FY 2022 (year ended March 2023): ¥ 120,756 million

(3) Cash flows

	Cash flow from operating activities	Cash flow from investing activities	Cash flow from financing activities	Cash and cash equivalents at end of year
	Millions of yen	Millions of yen	Millions of yen	Millions of yen
FY 2023 (year ended March 2024)	23,771	(10,221)	(18,216)	51,648
FY 2022 (year ended March 2023)	18,951	(7,376)	(13,950)	55,084

2. Dividends

	Annual dividends					Total dividend amount (Year)	Payout ratio (Consolidated)	Ratio of dividend to net assets (Consolidated)
	First quarter-end	Second quarter-end	Third quarter-end	Year-end	Total			
	Yen	Yen	Yen	Yen	Yen	Millions of yen	%	%
FY 2022 (year ended March 2023)	—	30.00	—	80.00	110.00	8,062	71.4	6.8
FY 2023 (year ended March 2024)	—	40.00	—	95.00	135.00	9,787	74.5	7.9
FY 2024 (year ending March 2025) (est.)	—	45.00	—	95.00	140.00		70.0	

3. Forecast earnings for fiscal year 2024 (April 1, 2024 to March 31, 2025)

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income attributable to owners of the parent company		Net income per share
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%	Yen
First half	72,200	2.9	8,400	4.8	8,900	3.4	5,700	2.6	79.49
Full year	160,000	4.7	21,000	7.3	22,00	5.5	14,500	10.3	202.21

Notes

(1) Significant changes among subsidiaries during the fiscal year under review (i.e. changes among specific subsidiaries resulting in a change in the scope of consolidation) : None

(2) Changes to accounting policy, changes to accounting forecasts, and restatements

[1] Changes arising from revision of accounting standards : None

[2] Changes to accounting policy other than those in [1] above : None

[3] Changes to accounting forecasts : None

[4] Restatements : None

(3) Number of shares issued and outstanding (common stock)

[1] Number of shares issued and outstanding at the end of the period (including treasury stock)	As of March 31, 2024	76,657,829 shares	As of March 31, 2023	76,657,829 shares
[2] Number of shares of treasury stock at the end of the period	As of March 31, 2024	4,948,546 shares	As of March 31, 2023	3,756,315 shares
[3] Average number of shares outstanding	As of March 31, 2024	72,019,048 shares	As of March 31, 2023	73,104,399 shares

Note: The number of shares of treasury stock as of March 31, 2024, includes Amano's shares held by the Director's Compensation BIP Trust and the Employee Stock Ownership Plan (J-ESOP).
(793,884 shares as of Mar. 31, 2024 and 398,219 shares as of March 31, 2023 respectively)
In addition, these Company's shares are included in the treasury stock which is deducted in calculating the average number of shares outstanding.

Reference: Non-consolidated results

1. Business results for fiscal year 2023 (April 1, 2023 to March 31, 2024)

(1) Operating results

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income	
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%
FY 2023 (year ended March 2024)	72,685	12.3	12,090	23.4	15,986	19.1	10,684	8.6
FY 2022 (year ended March 2023)	64,736	4.8	9,794	19.9	13,419	26.7	9,841	26.6

	Net income per share	Diluted net income per share
	Yen	Yen
FY 2023 (year ended March 2024)	148.35	—
FY 2022 (year ended March 2023)	134.62	—

(2) Financial position

	Total assets	Net assets	Equity ratio	Net assets per share
	Millions of yen	Millions of yen	%	Yen
FY 2023 (year ended March 2024)	132,798	108,216	81.5	1,509.11
FY 2022 (year ended March 2023)	129,614	107,446	82.9	1,473.86

Reference: Equity capital FY 2023 (year ended March 2024): ¥ 108,216 million
FY 2022 (year ended March 2023): ¥ 107,446 million

2. Forecast earnings for fiscal year 2024 (April 1, 2024 to March 31, 2025)

(Percentages represent year-on-year changes)

	Net sales		Operating profit		Ordinary profit		Net income		Net income per share
	Millions of yen	%	Millions of yen	%	Millions of yen	%	Millions of yen	%	Yen
First half	33,800	4.0	5,000	11.6	7,900	7.5	5,700	4.7	79.49
Full year	76,000	4.6	12,800	5.9	16,600	3.8	11,800	10.4	164.55

Note: Summary Financial Statements are not subject to auditing by a certified public accountant or auditing firm.

Note: Explanation concerning appropriate use of the earnings forecast, and other matters to note

Caution regarding forward-looking statements

Earnings forecasts and other forward-looking statements contained in this document are based on information available at the time of this document's preparation and on certain assumptions that are deemed to be reasonable. A variety of factors could cause actual results to differ significantly from the forecasts.

Obtaining supplementary financial results materials and information on the scheduled financial results briefing

Supplementary financial results materials are disclosed via TDnet on the same day as the date of this document. Also, a financial results briefing for institutional investors and analysts is scheduled for Friday, April 26, 2024. The financial results materials to be distributed at this briefing are due to be published on the Amano's website immediately for Friday, April 26, 2024.

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1. Summary of Business Results

(1) Summary of Business Results for This Fiscal Year

During the consolidated fiscal year under review, the Japanese economy is considered to be on a moderate recovery trend as economic activities continue to normalize, although the outlook of the Japanese economy is ridden by uncertainties such as overseas economic slowdown, extensive price hikes, and exchange rate volatility.

Under this business environment, in our ”9th Medium-Term Business Plan" that started in April 2023, we, the Amano Group, have set forth the management concept of "The 4th Stage Towards a 100-year Company-Initiatives for a Paradigm Shift Leading to Sustainable Management" in which we have promoted DX (digital transformation) in each business field and have executed strategic investments in software-based assets, IoT, AI, etc., and further enhance our competitive advantage in terms of profitability. Furthermore, we have proactively worked to solve social issues.

As a result, during the fiscal year under review, Amano recorded net sales of ¥152,864 million, up by 15.1% year-on-year. Operating profit increased by 23.9% to ¥19,567 million, ordinary profit went up by 23.0% to ¥20,855 million, and net income attributable to owners of the parent company increased by 16.4% to ¥13,141 million, resulting in increases in both sales and profit.

(Main factors behind the business results)

(i) At non-consolidated Amano, Parking Systems sales continued to significantly grow indicating that the recovery trend is clearly positive. Clean Systems sales also continued to increase due to stronger sales of cleaning robots. Information Systems sales increased in both software and hardware. Environmental Systems sales of standard dust collection systems declined due to the impact of lower orders for machine tools, but large-scale systems sales grew in response to demand for rechargeable batteries for EVs, etc., resulting positive overall sales.

(ii) In domestic group companies, the consigned parking lot management service business performed well, exceeding pre-COVID-19 results, and the cloud service business for T&A also continued to grow. The digital time stamp business continued to perform well, meeting the needs to respond to the requirements under the revised Electronic Books Preservation Act, etc.

(iii) In overseas markets, sales increased in North America, Europe, and Asia, partly due to the effect of yen depreciation. In Europe, sales of Information Systems in France continued to grow by capturing customer needs. In North America, Parking Systems sales increased due to the effect of new products, achieving a monthly surplus during demand periods, etc. with an improving earnings trend, while Clean Systems sales decreased due to a slowdown in the core wood floor sanding business. In Asia, Parking Systems sales grew in South Korea and Hong Kong, and Environmental Systems sales grew in Thailand.

(iv) As a result of evaluating the future excess earning power of a portion of the investment securities held by Amano as of fiscal year end, a loss on valuation of investment securities was booked in accordance with impairment accounting.

The following is a breakdown of sales by business division.

Sales by business division (Millions of yen)

Category	FY 2022 (April 1, 2022– March 31, 2023)		FY 2023 (April 1, 2023– March 31, 2024)		Change	
	Amount	Ratio (%)	Amount	Ratio (%)	Amount	%
Time Information System business:						
Information Systems	31,353	23.6	35,757	23.4	4,403	14.0
Time Management Products	2,841	2.1	2,572	1.7	(268)	(9.5)
Parking Systems	64,708	48.7	78,510	51.3	13,801	21.3
Subtotal	98,903	74.4	116,840	76.4	17,936	18.1
Environment System business:						
Environmental Systems	20,838	15.7	23,089	15.1	2,250	10.8
Clean Systems	13,068	9.9	12,935	8.5	(133)	(1.0)
Subtotal	33,906	25.6	36,024	23.6	2,117	6.2
Total	132,810	100.0	152,864	100.0	20,054	15.1

Time Information System business

The sales in this business totaled ¥116,840 million, up by ¥17,936 million (up 18.1%) year-on-year. The following is a breakdown of sales by business division.

• Information Systems ¥35,757 million (up 14.0% year-on-year)
Domestic sales for the current term were as follows. For non-consolidated Amano, software sales increased by ¥809 million (8.2%) due to a continuing recovery trend in orders for small to medium-sized businesses, hardware sales increased by ¥451 million (16.8%), and sales generated by maintenance contracts and supplies services decreased by ¥33 million (0.7%) year-on-year. The cloud services developed by Amano Business Solutions Corporation continued to perform strongly.
Overall overseas sales increased by ¥3,024 million (23.1%), as both Accu-Time Systems, Inc. in North America and Horoquartz S.A. in Europe sales increased.

• Time Management Products ¥2,572 million (down 9.5% year-on-year)
Overall domestic sales for the current term decreased by ¥51 million (2.2%) year-on-year as the sales of standard time recorders and PC-linked time recorders decreased.
Overall overseas sales decreased by ¥176 million (23.8%) as sales in North America and Asia decreased.

• Parking Systems ¥78,510 million (up 21.3% year-on-year)
Domestic sales for the current term were as follows. For non-consolidated Amano, domestic parking lot management systems sales continued to increase by ¥2,925 million (21.2%) due to a recovery trend, while sales generated by maintenance contracts and supplies services increased by ¥1,600 million (16.6%). Sales continued to increase in the consigned parking lot management service business operated by Amano Management Service. As a result of the continued investment by them, the number of parking spaces under management increased by 27,000 (3.9%) from the end of the previous fiscal year.
Overall overseas sales increased by ¥9,190 million (31.2%) due to the increase in the sales of Amano McGann, Inc. in North America and the increase in sales of the consigned parking lot management service business in South Korea and Hong Kong in Asia.

Environment System business

The sales in this business totaled ¥36,024 million, up by ¥2,117 million (up 6.2%) year-on-year. The following is a breakdown of sales by business division.

• Environmental Systems ¥23,089 million (up 10.8% year-on-year)
During the current term for non-consolidated Amano, domestic sales of standard dust collectors decreased by ¥455 million (6.1%). On the other hand, sales of large-scale systems increased by ¥2,518 million (51.9%), while sales generated by maintenance contracts and supplies services remained flat year-on-year.
Overall overseas sales increased by ¥122 million (3.2%) as sales in Asia increased due to a recovery in mainly Thailand.

• Clean Systems ¥12,935 million (down 1.0% year-on-year)
During the current term for non-consolidated Amano, overall domestic sales of cleaning equipment increased by ¥378 million (17.4%) due to increase in sales of robotic floor scrubbers, and domestic sales generated by maintenance contracts and supplies services increased by ¥22 million (1.1%) year-on-year.
Overall overseas sales decreased by ¥560 million (7.0%) as Amano Pioneer Eclipse Corporation in North America saw the decline in sales.

Reference information

Information by area

(Millions of yen)

	Net sales				Operating profit or loss			
	FY 2022 (year ended March 2023)	FY 2023 (year ended March 2024)	Change	Percentage change (%)	FY 2022 (year ended March 2023)	FY 2023 (year ended March 2024)	Change	Percentage change (%)
Japan	78,840	87,229	8,388	10.6	16,936	19,347	2,410	14.2
Other Asia	25,431	32,473	7,041	27.7	1,784	2,385	600	33.6
North America	19,360	21,108	1,747	9.0	(722)	(165)	557	—
Europe	10,712	13,551	2,838	26.5	1,543	1,944	400	26.0
Total	134,345	154,362	20,017	14.9	19,542	23,511	3,969	20.3
Eliminations/ Corporate	(1,534)	(1,497)	—	—	(3,755)	(3,944)	—	—
Consolidated	132,810	152,864	20,054	15.1	15,787	19,567	3,780	23.9

Notes: 1. The national and regional demarcations are based on the degree of geographical proximity.
2. Major countries and territories included in areas other than Japan:
(1) Other Asia: Singapore, Thailand, Malaysia, Indonesia, South Korea, China, Philippines, and Vietnam
(2) North America: United States, Canada, and Mexico
(3) Europe: France, Belgium, and Spain

Overseas sales

(Millions of yen)

	Overseas sales				Proportion of consolidated net sales accounted for by overseas sales (%)		
	FY 2022 (year ended March 2023)	FY 2023 (year ended March 2024)	Change	Percentage change (%)	FY 2022 (year ended March 2023)	FY 2023 (year ended March 2024)	Change
Other Asia	25,580	32,687	7,106	27.8	19.3	21.4	2.1
North America	18,185	19,800	1,614	8.9	13.7	12.9	(0.8)
Europe	10,353	13,105	2,751	26.6	7.8	8.6	0.8
Other regions	1,198	1,361	163	13.6	0.9	0.9	0.0
Total	55,318	66,954	11,636	21.0	41.7	43.8	2.1
Consolidated net sales	132,810	152,864					

Notes: 1. The national and regional demarcations are based on the degree of geographical proximity.
2. Major countries and territories included in areas other than Japan:
(1) Other Asia: Singapore, Thailand, Malaysia, Indonesia, South Korea, China, Philippines, and Vietnam
(2) North America: United States and Canada
(3) Europe: France, Belgium, and Spain
(4) Other regions: Central and South America
3. Overseas sales comprise sales by Amano and its consolidated subsidiaries to countries and regions other than Japan.

(2) Summary of Financial Condition for This Fiscal Year

(i) Assets, liabilities, and net assets

Total assets amounted to ¥184,585 million (up ¥13,334 million from the previous consolidated fiscal year-end).

•Current assets: an increase of ¥7,142 million due to increases in notes and accounts receivable-trade and contract assets, and merchandise and finished goods, etc.

•Fixed assets: an increase of ¥6,191 million due to increases in lease assets (net), and investment securities, etc.

Total liabilities amounted to ¥56,482 million (up ¥6,869 million from the previous consolidated fiscal year-end).

•Current liabilities: an increase of ¥6,776 million due to an increase in lease obligations, etc.

•Long-term liabilities: an increase of ¥93 million due to an increase in lease obligations, etc.

Net assets amounted to ¥128,103 million (up ¥6,464 million from the previous consolidated fiscal year-end).

•Shareholders' equity: an increase of ¥728 million due to posting of net income attributable to owners of the parent company, etc.

•Accumulated other comprehensive income: an increase of ¥6,116 million due to increases in foreign currency translation adjustments, etc.

(3) Summary of Cash Flows for This Fiscal Year

Consolidated cash and cash equivalents decreased by ¥3,435 million from the previous fiscal year-end to a total of ¥51,648 million as of March 31, 2024. The status of each type of cash flow at year-end and the underlying factors are as follows.

Net cash provided by operating activities totaled ¥23,771 million (an increase in income of ¥4,820 million year-on-year).

•Main income factors:

Posting of income before income taxes amounting to ¥19,032 million and posting of depreciation and amortization amounting to ¥10,256 million.

•Main expenditure factors:

Posting of income taxes paid amounting to ¥6,089 million and posting of increase in trade notes and accounts receivable and contract assets amounting to ¥4,110 million.

Net cash used in investing activities totaled −¥10,221 million (an increase in cash outflow of ¥2,845 million year-on-year).

•Main income factors:

Posting of proceeds from withdrawal of time deposits amounting to ¥10,856 million.

•Main expenditure factors:

Posting of increase in time deposits amounting to ¥13,530 million and posting of payment for purchase of tangible fixed assets amounting to ¥3,417 million.

Posting of payment for acquisition of intangible fixed assets amounting to ¥2,439 million and posting of payment for acquisition of subsidiary shares involving change to the scope of consolidation amounting to ¥1,809 million.

Net cash used in financing activities amounted to −¥18,216 million (an increase in cash outflow of ¥4,265 million year-on-year).

•Main income factors:

Posting of proceeds from sale and leaseback amounting to ¥1,732 million.

•Main expenditure factors:

Posting of dividends paid amounting to ¥8,764 million and posting of repayments of lease obligations amounting to ¥6,785 million.

Posting of payment for acquisition of treasury stock amounting to ¥3,719 million.

(4) Future Outlook

With regard to the outlook for the Japanese economy in the next fiscal year, although there are uncertainties in the economic outlook due to such concerns about recession overseas, heightened geopolitical risks, and the impact of various price hikes and changes in monetary policy, etc., the economy is expected to continue on a gradual recovery path, backed by strong corporate appetite for capital investment.

Amid this business environment, Amano and our group companies have set "The 4th Stage Towards a 100-year Company-Commitment to a Paradigm Shift Leading to Sustainable Management" as our management concept and work to address key issues in the ”9th Medium-Term Business Plan”.

The details of the Plan are available for inspection on the Amano’s website.

(5) Basic Policy on Distribution of Profits and Payment of Dividends for This Fiscal Year and the Next

Amano places great importance on our policy of paying dividends to shareholders. Our fundamental policy to return profits to shareholders is to make appropriate performance-based distributions and to acquire treasury stock, as it deems necessary. We aim to maintain a dividend payout ratio of at least 40% on a consolidated basis, a net asset dividend rate of at least 2.5%, and a total return ratio of at least 55%.

In line with this policy, taking into account our current-year operations results, we plan to pay a year-end dividend of ¥95 per share, and the annual per-share dividend for this fiscal year will be ¥135 (including ¥40 per share paid as the interim dividend), an increase of ¥25 from the annual per share dividend of ¥110 for the previous fiscal year.

In addition, the Board of Directors approved a resolution regarding the acquisition of treasury stock on April 25, 2024. The detail of this matter is available for inspection on the Amano’s website.

(https://www.amano.co.jp/en/ir/dl/news/2024/20240425_2.pdf).

As a result, the consolidated payout ratio will be 74.5%, the net asset dividend rate will be 7.9%, and the total return ratio will be 89.7%.

With regard to the dividend for the next fiscal year ending March 31, 2025, in line with our "Basic Policy on Distribution of Profits" and in view of our outlook for the next fiscal year, we currently aim to pay an annual per share dividend of ¥140 (with an interim dividend of ¥45 and a year-end dividend of ¥95).

Retained earnings will be earmarked to fund effective investment aimed at the fundamental enhancement of the capacity to conduct our business operations. This will include the expansion and strengthening of existing business fields, strategic investment in growth fields, and spending on research and development, as well as the rationalization of production plants and equipment for the purpose of reducing costs and further improving product quality, etc.

2. Business Policies

(1) Basic Management Policy

Amano's management philosophy is to create new values and contribute to the realization of a safe, comfortable and a wholesome society in the fields of "People & Time" and "People & Air."

Under this management philosophy and based on an optimal governance structure that responds to changes in the business environment, we will strive to maximize corporate value by ensuring sustained growth through the creation of new businesses and markets with a medium-to long-term global perspective, in addition to expanding our existing businesses. Furthermore, we will aim to become a company that has the trust and high regard of all the stakeholders including customers, business partner companies, shareholders, employees and local communities by constantly returning a fair profit earned through business activities.

(2) Medium-long Term Business Strategy

Amano launched the "9th Medium-Term Business Plan" for the three-year period from April 2023 to March 2026, and has revised the numerical targets in consideration of the business results of the current period.

The details of the plan are posted on the Amano's website.

（https://www.amano.co.jp/en/ir/managementpolicy/plan/）

[1] Basic policies

In the "9th Medium-Term Business Plan", we have set "The 4th Stage Towards a 100-year Company - Commitment to Paradigm Shift Leading to Sustainable Management" as our management concept.

Starting as a hardware manufacturer, we have grown as a company that provides total solutions including services such as software, cloud services, and consigned businesses, etc., in response to changing market needs and technological innovation. To further develop this trend, we will promote DX (digital transformation) in each

business field and execute strategic investments in software-based assets, IoT, AI, etc. In addition, we will improve customer convenience by enhancing the functions of standard products and further enhance our competitive advantage in terms of profitability. Furthermore, we will develop and expand our management infrastructure and work to solve social issues such as maximizing the value of human capital and reducing environmental impacts.
Under this policy, we will expand our business performance based on the three growth drivers, aiming to achieve sales of ¥168,000 million, operating profit of ¥23,000 million, operating profit margin (OPR) of 13%, and ROE of 12% in the fiscal year ending March 31, 2026, the final year of this plan.

Expansion of business performance based on the three growth drivers in the "9th Medium-Term Business Plan."

(i) Information Systems: Software plus cloud services
(ii) Parking Systems: Proposals centric to the Data center for Systems and Management Services
(iii) Clean Systems: Robot plus cloud service proposals

[2] Numerical targets

(Major assumptions of the numerical targets)

(i) Information Systems Business at non-consolidated Amano is expected to see continued investment in systems by various companies, including those in industries that are exempt from the "Work Style Reform Law" and in the public and education sectors. In addition, Parking Systems Business is expected to post record-high performance due to full-scale expansion of renewal investment, which had been settled by the Coronavirus Pandemic, as well as support for new banknotes. Environmental Systems Business is expected to grow mainly due to investment in large-scale systems for rechargeable batteries for EVs, etc., while Clean Systems Business is expected to achieve significant earnings growth due to expanded sales of cleaning robots.
(ii) The domestic and overseas parking lot management service business will further drive the Amano Group overall performance as a growth driver.
(iii) Amano-McGann, Inc. in North America, whose performance is on the way to recovery, plans to further improve profitability through new products and restructuring of the sales structure.

(Millions of yen)

	FY 2023 (year ended March 2024) (Results)		FY 2024 (year ending March 2025) (Original Plan)		FY 2024 (year ending March 2025) (Revised)		FY 2025 (year ending March 206) (Original Plan)		FY 2025 (year ending March 2026) (Revised)	
	Amount	YoY (%)	Amount	YoY (%)	Amount	YoY (%)	Amount	YoY (%)	Amount	YoY (%)
Net sales	152,864	15.1	150,000	(1.9)	160,000	4.7	160,000	6.7	168,000	5.0
Operating profit	19,567	23.9	19,500	(0.3)	21,000	7.3	21,000	7.7	23,000	9.5
Operating profit ratio (%)	12.8%	—	13.0%	—	13.1%	—	13.1%	—	13.7%	—
Ordinary profit	20,855	23.0	20,500	(1.7)	22,000	5.5	22,000	7.3	24,000	9.1
Net income attributable to owners of the parent company	13,141	16.4	13,500	2.7	14,500	10.3	14,500	7.4	15,500	6.9

3. Basic Approach to the Selection of Accounting Standards

We have not determined a specific date for the adoption of IFRS; however, to prepare for the future adoption, we will undertake the preparations and examinations that are presently possible, and at the same time we will continue to collect and study international accounting information.

4. Consolidated Financial Statements and Primary Explanatory Notes

(1) Consolidated Balance Sheets

(Millions of yen)

	FY 2022 (as of March 31, 2023)	FY 2023 (as of March 31, 2024)
Assets		
Current assets		
Cash and bank deposits	62,399	62,577
Notes and accounts receivable—trade and contract assets	30,958	36,038
Marketable securities	3,357	2,725
Merchandise and finished goods	4,663	5,672
Work in process	791	916
Raw materials and supplies	7,956	8,601
Other current assets	4,112	4,753
Allowance for doubtful accounts	(491)	(393)
Total current assets	113,749	120,892
Fixed assets		
Tangible fixed assets		
Buildings and structures	29,016	29,355
Accumulated depreciation	(20,419)	(20,985)
Buildings and structures (net)	8,597	8,369
Machinery and vehicles	7,807	7,993
Accumulated depreciation	(6,914)	(7,031)
Machinery and vehicles (net)	892	961
Tools, furniture and fixtures	16,704	17,670
Accumulated depreciation	(14,422)	(14,980)
Tools, furniture and fixtures (net)	2,281	2,689
Land	5,846	5,743
Lease assets	19,149	23,094
Accumulated depreciation	(7,995)	(10,490)
Lease assets (net)	11,153	12,603
Construction in progress	364	728
Total tangible fixed assets	29,135	31,096
Intangible fixed assets		
Goodwill	1,214	1,884
Software	3,194	3,241
Software in progress	702	1,421
Other	1,729	2,196
Total intangible fixed assets	6,840	8,742
Investments and other assets		
Investment securities	14,974	16,764
Claims in bankruptcy and similar claims	458	471
Fixed leasehold deposits	1,661	1,872
Net defined benefit assets	115	142
Deferred tax assets	2,591	2,071
Other	2,194	3,007
Allowance for doubtful accounts	(470)	(476)
Total investments and other assets	21,525	23,853
Total fixed assets	57,501	63,693
Total assets	171,250	184,585

(Millions of yen)

	FY 2022 (as of March 31, 2023)	FY 2023 (as of March 31, 2024)
Liabilities		
Current liabilities		
Notes and accounts payable—trade	6,138	6,979
Electronically recorded obligations	6,284	6,533
Short-term bank loans	266	94
Lease liabilities	4,150	5,407
Accrued income taxes	3,523	4,100
Accrued bonuses	2,766	2,973
Accrued officers' bonuses	130	200
Other current liabilities	15,252	19,001
Total current liabilities	38,513	45,289
Long-term liabilities		
Lease liabilities	7,791	8,356
Deferred tax liabilities	16	23
Net defined benefit liabilities	2,281	1,721
Provision for stock benefit	357	407
Provision for directors' stock benefit	249	315
Asset retirement obligations	34	35
Other long-term liabilities	367	332
Total long-term liabilities	11,098	11,192
Total liabilities	49,612	56,482
Net assets		
Shareholders' equity		
Common stock	18,239	18,239
Capital surplus	19,293	19,293
Retained earnings	90,133	94,510
Treasury stock	(9,019)	(12,668)
Total shareholders' equity	118,646	119,374
Accumulated other comprehensive income		
Net unrealized gains (losses) on available- for-sale securities	2,237	4,740
Foreign currency translation adjustments	248	3,253
Remeasurements of defined benefit plans	(375)	231
Total accumulated other comprehensive income	2,109	8,226
Non-controlling shareholders' interests	882	502
Total net assets	121,638	128,103
Total liabilities and net assets	171,250	184,585

(2) Consolidated Statements of Income and Consolidated Statements of Comprehensive Income

Consolidated Statements of Income

(Millions of yen)

	FY 2022 (April 1, 2022- March 31, 2023)	FY 2023 (April 1, 2023– March 31, 2024)
Net sales	132,810	152,864
Cost of sales	72,555	83,916
Gross profit	60,254	68,948
Selling, general and administrative expenses		
Selling expenses	40,551	45,200
General and administrative expenses	3,916	4,180
Total selling, general and administrative expenses	44,467	49,380
Operating profit	15,787	19,567
Non-operating profit		
Interest income	265	706
Dividend income	245	288
Insurance dividend income	161	114
Insurance income	70	35
Foreign exchange gains	48	47
Equity in earnings of affiliates	172	184
Other	440	310
Total non-operating profit	1,405	1,686
Non-operating expenses		
Interest expenses	151	284
Other	80	113
Total non-operating expenses	232	398
Ordinary profit	16,960	20,855
Extraordinary income		
Gain on sale of fixed assets	11	8
Total extraordinary income	11	8
Extraordinary losses		
Loss on disposal of fixed assets	58	72
Loss on sale of fixed assets	1	35
Office transfer expenses	11	-
Loss on valuation of investment securities	150	1,713
Other	-	9
Total extraordinary losses	220	1,831
Income before income taxes	16,752	19,032
Income taxes	5,584	6,608
Deferred income taxes	(186)	(837)
Total income taxes	5,397	5,771
Net income	11,354	13,261
Net income attributable to non-controlling shareholders	65	119
Net income attributable to owners of the parent company	11,288	13,141

Consolidated Statements of Comprehensive Income

(Millions of yen)

	FY 2022 (April 1, 2022- March 31, 2023)	FY 2023 (April 1, 2023– March 31, 2024)
Net income	11,354	13,261
Other comprehensive income		
Net unrealized gains (losses) on available-for-sale securities	150	2,498
Foreign currency translation adjustment	3,583	3,036
Remeasurements of defined benefit plans	174	607
Share of other comprehensive income of associates accounted for using equity method	0	0
Total other comprehensive income	3,907	6,142
Comprehensive income	15,262	19,403
(Breakdown)		
Comprehensive income attributable to owners of the parent company	15,109	19,257
Comprehensive income attributable to non-controlling shareholders	152	146

(3) Consolidated Statement of Changes in Shareholders' Equity

FY 2022 (April 1, 2022–March 31, 2023)

(Millions of yen)

	Net assets				
	Shareholders' equity	Capital surplus	Retained earnings	Treasury stock	Total shareholders' equity
Balance at the beginning of the year	18,239	19,293	86,244	(6,546)	117,230
Changes during the year					
Dividends from surplus			(7,399)		(7,399)
Net income attributable to owners of the parent company			11,288		11,288
Purchase of treasury stock				(2,479)	(2,479)
Disposal of treasury stock				5	5
Net changes in items other than shareholders' equity					
Total changes during the year	—	—	3,888	(2,473)	1,415
Balance at year end	18,239	19,293	90,133	(9,019)	118,646

	Accumulated other comprehensive income				Non-controlling shareholders' interests	Total net assets
	Net unrealized gains (losses) on available-for-sale securities	Foreign currency translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income		
Balance at the beginning of the year	2,088	(3,250)	(549)	(1,711)	752	116,271
Changes during the year						
Dividends from surplus						(7,399)
Net income attributable to owners of the parent company						11,288
Purchase of treasury stock						(2,479)
Disposal of treasury stock						5
Net changes in items other than shareholders' equity	148	3,498	174	3,821	129	3,951
Total changes during the year	148	3,498	174	3,821	129	5,366
Balance at year end	2,237	248	(375)	(2,109)	882	121,638

FY 2023 (April 1, 2023–March 31, 2024)

(Millions of yen)

	Net assets				
	Shareholders' equity	Capital surplus	Retained earnings	Treasury stock	Total shareholders' equity
Balance at the beginning of the year	18,239	19,293	90,133	(9,019)	118,646
Changes during the year					
Dividends from surplus			(8,764)		(8,764)
Net income attributable to owners of the parent company			13,141		13,141
Purchase of treasury stock				(3,719)	(3,719)
Disposal of treasury stock				70	70
Net changes in items other than shareholders' equity					
Total changes during the year	—	—	4,377	(3,648)	728
Balance at year end	18,239	19,293	94,510	(12,668)	119,374

	Accumulated other comprehensive income				Non-controlling shareholders' interests	Total net assets
	Net unrealized gains (losses) on available-for-sale securities	Foreign currency translation adjustments	Remeasurements of defined benefit plans	Total accumulated other comprehensive income		
Balance at the beginning of the year	2,237	248	(375)	2,109	882	121,638
Changes during the year						
Dividends from surplus						(8,764)
Net income attributable to owners of the parent company						13,141
Purchase of treasury stock						(3,719)
Disposal of treasury stock						70
Net changes in items other than shareholders' equity	2,503	3,005	607	6,116	(379)	5,736
Total changes during the year	2,503	3,005	607	6,116	(379)	6,464
Balance at year end	4,740	3,253	231	8,226	502	128,103

(4) Consolidated Statements of Cash Flows

(Millions of yen)

	FY 2022 (April 1, 2022- March 31, 2023)	FY 2023 (April 1, 2023– March 31, 2024)
Cash flows from operating activities		
Income before income taxes	16,752	19,032
Depreciation and amortization	9,017	10,256
Amortization of goodwill	311	293
Increase (decrease) in net defined benefit liabilities	108	97
Increase (decrease) in provision for stock benefit	70	120
Increase (decrease) in provision for directors' stock benefit	45	66
Increase (decrease) in allowance for doubtful accounts	(113)	(137)
Interest and dividend revenue	(511)	(995)
Equity in (earnings) losses of affiliates	(172)	(184)
Interest expenses	151	284
Foreign currency translation loss (gain)	(79)	(145)
Loss (gain) on sale of fixed assets	(10)	27
Loss on disposal of fixed assets	58	72
Loss (gain) on valuation of investment securities	150	1,713
(Increase) decrease in trade notes and accounts receivable and contract assets	(2,002)	(4,110)
(Increase) decrease in inventories	(2,617)	(813)
Increase (decrease) in trade payables	853	821
Increase (decrease) in other current liabilities	1,041	2,216
Other	591	403
Subtotal	23,644	29,021
Receipts from interest and dividends	614	1,102
Interest paid	(151)	(284)
Income taxes paid	(5,670)	(6,089)
Income taxes refunded	514	22
Net cash provided by operating activities	18,951	23,771
Cash flows from investing activities		
Payment for acquisition of securities	(3,850)	(3,450)
Proceeds from redemption of securities	4,050	3,950
Payment for purchase of tangible fixed assets	(2,795)	(3,417)
Proceeds from sale of tangible fixed assets	18	129
Payment for acquisition of intangible fixed assets	(1,577)	(2,439)
Payment for acquisition of investment securities	(306)	(306)
Payment for acquisition of subsidiary shares involving change to the scope of consolidation	-	(1,809)
Increase in time deposits	(5,892)	(13,530)
Proceeds from withdrawal of time deposits	2,968	10,856
Other	7	(205)
Net cash used in investing activities	(7,376)	(10,221)

(Millions of yen)

	FY 2022 (April 1, 2022- March 31, 2023)	FY 2023 (April 1, 2023– March 31, 2024)
Cash flows from financing activities		
Increase in short-term loans payable	213	77
Repayment for short-term bank loans	(385)	(230)
Payment for acquisition of treasury stock	(2,479)	(3,719)
Repayments of lease liabilities	(5,607)	(6,785)
Proceeds from sale and leaseback	1,730	1,732
Dividends paid	(7,399)	(8,764)
Payment of dividends to non-controlling shareholders	(22)	(526)
Cash flows from financing activities	(13,950)	(18,216)
Current liabilities	1,528	1,230
Net increase (decrease) in cash and cash equivalents	(847)	(3,435)
Cash and cash equivalents at the beginning of the year	55,931	55,084
Cash and cash equivalents at end of period	55,084	51,648

(5) Notes to Consolidated Financial Statements

Notes on Regarding the Premise of a Going Concern

None

Additional Information

Directors' Compensation BIP Trust and Employee Stock Ownership Plan (J-ESOP)

In Amano Corporation and some of our subsidiaries, for the purpose of enhancing the motivation to contribute to the improvement of medium-to long-term business performance and to increase corporate value, we have adopted the Directors' Compensation BIP Trust system for directors (excluding outside directors and expatriates) and operating officers (excluding expatriates). We have also adopted the Employee Stock Ownership Plan (J-ESOP) system for employees who meet the prescribed requirements.

[1] Outline of the system

Under the system, a trust is established with money contributed by Amano Corporation as a source, and stocks of Amano Corporation are acquired by the trust, and the stocks are granted to the eligible persons. Furthermore, this BIP Trust period has been extended for the same period accordingly after partial revision, with the launch of the "9th Medium-Term Business Plan" in April 2023.

Under the Directors' Compensation BIP Trust, in accordance with the stock distribution rules and based on points granted according to the attainment level of numerical targets related to their positions and management indicators, stocks of Amano Corporation are provided by the trust to directors and operating officers.

Under the Employee Stock Ownership Plan (J-ESOP), in accordance with the stock distribution rules and based on points granted according to their positions and operating performance, etc., stocks of Amano Corporation are provided by the trust to employees who meet certain requirements.

[2] Stocks of Amano Corporation that remain in the trust

Stocks of Amano Corporation that remain in the trust are recorded as treasury stock in the net assets section with the book value of the trust (excluding incidental expenses).

Book value of the treasury stock and the number of shares

As of the current fiscal year end: ¥2,268 million, 793,884 shares

Segment Information

1. Outline of Reporting Segments

The reporting segments are defined as those business units which constitute Amano and from which separate financial information can be obtained. The reporting segments are periodically reviewed by Amano's highest decision-making body to determine the allocation of management resources and evaluate financial results.

Amano maintains several business units at its head office, separated into product and service types. The role of these business units is to formulate and implement domestic business strategies for similar types of products and services. In overseas business, meanwhile, local subsidiaries in each region develop strategies in their respective business fields in cooperation with the relevant business unit at the head office and carry out business activities in accordance with such strategy.

Based on the above, Amano divides its business into two segments, from which separate financial information can be obtained on a consolidated basis: the Time Information System business and the Environment System business. The operating results of these two segments are periodically reviewed by Amano's highest decision-making body to determine the allocation of management resources and evaluate financial results.

As described above, Amano's reporting segments consist of the Time Information System business and the Environment System business.

The Time Information System business and the Environment System business manufacture and sell the following products:

Business segment	Sales category	Principal products
Time Information System business	Information Systems	Time & Attendance (T&A), Human Resource (HR) systems, payroll information systems, access control, proximity IC card solutions, system time recorders, T&A and HR and payroll ASP services, time distribution and authentication services (digital time stamps)
	Time Management Products	PC-linked time recorders, online time recorders, computerized time recorders, standard electronic time recorders, electronic time stamps, patrol recorders
	Parking Systems	Automatic fee settlement systems, access control systems, parking lot management systems, bicycle parking lot management systems, automatic time registers, parking tower management systems, Internet-based parking guidance systems, commissioned parking lot management business
Environment System business	Environmental Systems	Industrial vacuum cleaners, standard dust collectors, mist collectors, fume collectors, large dust collection systems, deodorization systems, high-temperature hazardous-gas removal systems, pneumatic powder conveyance systems, environmental equipment monitoring/maintenance support systems, industrial air purifiers
	Clean Systems	Commercial vacuum cleaners, automatic floor scrubbers, robotic floor scrubbers, road and industrial sweepers, high-speed burnishers, polisher chemical products, supplies and accessories, wooden floor sanding machines, consigned janitorial management services, electrolytic water cleaning systems, alkaline electrolytic water industrial cleaning systems

2. Methodology for Determining Net Sales, Profit/Loss, Assets, Liabilities, and Other Line Item Amounts by Reporting Segment

The accounting methods of the reported business segments are in accordance with the accounting policies adopted to prepare the consolidated financial statements.

Profits for the reporting segments are reported at the operating profit level.

Intersegment internal earnings and transfers are based on prevailing market prices.

3. Information by Reporting Segment Regarding Net Sales, Profit/Loss, Assets, Liabilities, and Other Line Item Amounts

FY 2022 (April 1, 2022–March 31, 2023)

(Millions of yen)

	Reporting segments			Adjustments (Note 1)	Amounts reported in consolidated financial statements (Note 2)
	Time Information System business	Environment System business	Total		
Net sales					
To customers	98,903	33,906	132,810	—	132,810
Intersegment	—	—	—	—	—
Total	98,903	33,906	132,810	—	132,810
Segment profit (loss)	14,927	4,705	19,632	(3,844)	15,787
Segment assets	79,509	30,935	110,444	60,806	171,250
Other items					
Depreciation and amortization	7,773	748	8,521	496	9,017
Investments in affiliates accounted for using the equity method	2,331	—	2,331	—	2,331
Increases in tangible and intangible fixed assets	9,363	781	10,145	257	10,402

Notes: 1. Details of the adjustments are as follows.
(1) The −¥3,844 million adjustment in segment profit indicates company-wide expenses not allocated to the reporting segments. Company-wide expenses consist mainly of general and administrative expenses that do not belong to any of the reporting segments.
(2) The ¥60,806 million adjustment in segment assets indicates company-wide assets not allocated to the reporting segments. Company-wide assets consist mainly of assets and others associated with the administration function that do not belong to any of the reporting segments.
2. Segment profit is reconciled with operating profit in the consolidated statement of income.

FY 2023 (April 1, 2023–March 31, 2024)

(Millions of yen)

	Reporting segments			Adjustments (Note 1)	Amounts reported in consolidated financial statements (Note 2)
	Time Information System business	Environment System business	Total		
Net sales					
To customers	116,840	36,024	152,864	—	152,864
Intersegment	—	—	—	—	—
Total	116,840	36,024	152,864	—	152,864
Segment profit (loss)	19,029	4,548	23,578	(4,010)	19,567
Segment assets	92,044	30,330	122,374	62,210	184,585
Other items					
Depreciation and amortization	8,979	784	9,763	493	10,256
Investments in affiliates accounted for using the equity method	2,410	—	2,410	—	2,410
Increases in tangible and intangible fixed assets	11,711	1,887	13,599	366	13,965

Notes: 1. Details of the adjustments are as follows.
(1) The −¥4,010 million adjustment in segment profit indicates company-wide expenses not allocated to the reporting segments. Company-wide expenses consist mainly of general and administrative expenses that do not belong to any of the reporting segments.
(2) The ¥62,210 million adjustment in segment assets indicates company-wide assets not allocated to the reporting segments. Company-wide assets consist mainly of assets and others associated with the administration function that do not belong to any of the reporting segments.
2. Segment profit is reconciled with operating profit in the consolidated statement of income.

Per-share Data

	FY 2022 (April 1, 2022– March 31, 2023)	FY 2023 (April 1, 2023– March 31, 2024)
Net assets per share (Yen)	1,656.43	1,779.42
Net income per share (Yen)	154.42	182.48

Note: 1. Details for the diluted net income per share are not stated, because there are no potential shares.
2. The net income per share is calculated on the following basis.

Item	FY 2022 (April 1, 2022– March 31, 2023)	FY 2023 (April 1, 2023– March 31, 2024)
Net income per share		
Net income attributable to owners of the parent company (Millions of yen)	11,288	13,141
Amount not attributed to common stockholders (Millions of yen)	—	—
Net income for common stock attributable to owners of the parent company (Millions of yen)	11,288	13,141
Average number of shares of common stock outstanding (Shares)	73,104,399	72,019,048

3. The net assets per share are calculated on the following basis.

Item	FY 2022 (as of March 31, 2023)	FY 2023 (as of March 31, 2024)
Total net assets (Millions of yen)	121,638	128,103
Amount to be deducted from total net assets (Millions of yen)	882	502
(of which, non-controlling shareholders' interests) (Millions of yen)	(882)	(502)
Net assets at the end of year attributable to common stock (Millions of yen)	120,756	127,600
Number of shares of common stock outstanding at year end used to calculate net assets per share (Shares)	72,901,514	71,709,283

4. Shares remaining in trust of the Director's Compensation BIP Trust and the Employee Stock Ownership Plan (J-ESOP) recognized in shareholders' equity as treasury stock are included in treasury stock to be deducted in the calculation of the average number of shares outstanding over the period to calculate net income per share and also included in treasuring stock to be deducted in the calculation of the number of shares of treasury stock at the end of the period to calculate net assets per share. The average number of shares of such treasury stock outstanding over the period that was deducted to calculate net income per share was 398,794 shares for the previous fiscal year and 639,679 for the fiscal year under review. The number of shares of treasury stock at the end of the period that was deducted to calculate net assets per share was 398,219 shares for the previous fiscal year and 793,884 for the fiscal year under review.

Significant Subsequent Events

On April 25, 2024, the Amano's Board of Directors meeting approved the resolution to acquire treasury stock pursuant to the provisions of Article 156 of the Companies Act as applied by replacing certain terms under the provisions of Article 165, Paragraph 3 of the same Act.

1. Reasons for acquisition of treasury stock

While strengthening shareholder returns, treasury stock is acquired in order to flexibly carry out its capital management strategies and to improve capital efficiency in response to changes in the business environment.

2. Details of the acquisition

(1) Class of Shares to be acquired	Common stock of Amano Corporation
(2) Total Number of Shares to be acquired	Up to 500,000 shares (upper limit) [Representing 0.69% of the Total number of shares issued (excluding treasury stock)]
(3) Total Acquisition Cost	Up to JPY2,000 Million (upper limit)
(4) Acquisition Period	From April 26, 2024 to July 31, 2024

SOFTWARE AS A SERVICE AGREEMENT

This Software as a Service Agreement ("**SaaS Agreement**") is between the Customer, as defined in the applicable Proposal ("**Customer**"), and Amano McGann, Inc., a Delaware corporation ("**AMI**"), with its principal place of business at 2699 Patton Road, Roseville, MN 55113, with an effective date as of the date of Customer's signature on the applicable Proposal ("**Effective Date**"). Customer and AMI are referred to individually as a "**Party**," and collectively as the "**Parties**."

1. **DEFINITIONS**. Capitalized terms not defined in this SaaS Agreement shall have the meanings defined in the GENERAL TERMS AND CONDITIONS FOR THE SALE OF PRODUCTS AND SERVICES (the "**Terms**"), or the applicable work order or proposal (the "**Proposal**"). The following terms have the meanings given below.

   1.1 "**Affiliate**" means any person, entity, or other form of enterprise that directly or indirectly controls, is controlled by, or is under common control with, a Party, where "control" means the possession, directly or indirectly, through one or more intermediaries, of power to direct, or to cause the direction of, the management or affairs of such entity, whether through ownership interests, contract, voting trust or otherwise.

   1.2 "**Confidential Information**" means any information, in any form or medium, that is either marked as confidential, or is disclosed under circumstances that would lead a reasonable person to understand that it is confidential, and shall include, without limitation, this SaaS Agreement, the Software Solution software programs, Customer Data, AMI Data, and all non-public proprietary information related to Discloser's or its Affiliates' businesses and operations. Confidential Information does not include information that (i) is or becomes generally available to the public other than as a result of a breach of this SaaS Agreement by Recipient, (ii) is independently developed by or for Recipient without reliance upon, or reference to, the Confidential Information of Discloser, as evidenced by records made in the ordinary course of business, (iii) is disclosed to Recipient by a third party not bound by any duty of confidentiality concerning the information disclosed, or (iv) was rightfully in Recipient's possession before receipt from Discloser, as evidenced by records made in the ordinary course of business.

   1.3 "**Customer Data**" means data and information that Customer inputs into the Software Solution in connection with its use thereof.

   1.4 "**Discloser**" means the Party (including its Affiliates, where applicable) who discloses or otherwise makes available its Confidential Information to Recipient.

   1.5 "**Documentation**" means the specifications provided in a Proposal for the Software Solution.

   1.6 "**Force Majeure Event**" means an event, or a series of related events, that is outside the reasonable control of the Party affected, including without limitation, power failures, changes to Laws, disasters, pandemics, explosions, fires, floods, riots, strikes, unusually-severe weather, terrorist attacks, wars and government shut-downs.

   1.7 "**Implementation and Program Support Services**" means those implementation and program support services offered to Customer regarding the Software Solution as set forth in a Proposal.

   1.8 "**IP Rights**" means all rights and interests in and to inventions, patents, utility models, designs (whether registered or not and including rights relating to semiconductor topographies), trade secrets, database rights, copyrights, and trademarks (whether

registered or common law), together with all rights to the grant of licenses and applications for the same, and including all similar or analogous rights, and all other rights in the nature of intellectual and industrial property, throughout the world, and all future rights of such nature.

1.9 "**Law(s)**" means all applicable laws, ordinances, rules, and regulations, whether domestic or international, that apply to the Support Services, the use of the Software Solution by Customer, and this SaaS Agreement.

1.10 "**Malicious Code**" means code, files, scripts, agents or programs (e.g., viruses, worms, time bombs and Trojan horses) that may be used to access, alter, delete, threaten, infect, assault, vandalize, defraud, disrupt, damage, disable, inhibit, or shut down or impair computer systems, computer data, databases, environments, infrastructures, or software.

1.11 "**Recipient**" means the Party (including its Affiliates, where applicable) who receives or otherwise obtains Discloser's Confidential Information.

1.12 "**Support Services**" means (i) hosted delivery by AMI of the Software Solution to Customer; (ii) the Implementation and Program Support Services set forth in any Proposal as it relates to the Software Solution; and (iii) AMI's general system administration, system management and system monitoring as it relates to the Software Solution.

1.13 "**Services Term**" means the initial term and any renewal term(s), as identified in a Proposal with regards to the Software Solution.

1.14 "**Software Solution**" means that certain software-as-a-service offering,as described in the Documentation, owned by AMI to which AMI grants Customer access as provided by a Proposal.

1.15 "**Users**" mean those individuals authorized to access and use the Software Solution, as set forth in a Proposal, and for whom Customer has paid all required fees.

1.16 "**Proposal**" refers to any ordering document, such as a work order or proposal, signed by the Parties, under which Customer agrees to subscribe to the Software Solution.

2. **RIGHTS TO USE THE SERVICES**.

2.1 **Licenses**. Upon AMI's acceptance of the Proposal, AMI grants to Customer a revocable, non-exclusive, non-assignable (except as set forth in Section 16.10 below), royalty-free, world-wide limited license and right to use the Software Solution during the Services Term solely for Customer's internal business operations, all in accordance with the terms of this SaaS Agreement. Customer grants to AMI an irrevocable, perpetual, non-exclusive, non-assignable (except as permitted by Section 16.10), royalty-free, fully-paid-up, world-wide limited license to reproduce, distribute, use, and display Customer Data to the extent necessary for purposes of (i) providing the Support Services under this SaaS Agreement, (ii) aggregating and enriching Customer Data with AMI Data and additional data sets, and creating de-identified data pursuant to Section 5.3, and (iii) any other activities expressly agreed by Customer.

2.2 **Authorized Users**. Users may access and use the Software Solution for the purpose set forth in Section 2.1. Access to and use of the Software Solution is priced on a monthly-subscription, per-User basis.

2.3 **Customer Acknowledgements**. Customer acknowledges that AMI delivers access to the Software Solution on a software-as-a-service basis, and AMI has no physical delivery obligation with respect to the software comprising the Software Solution, and will not ship copies of the Software Solution to Customer. Customer agrees that Customer does not

acquire any license to use the Software Solution in excess of the scope or duration set forth in the Proposal. Upon the termination of a Proposal or this SaaS Agreement, the licenses granted to Customer, Customer's right to access or use the Software Solution, and Customer's right to receive the Support Services from AMI in connection with the Software Solution shall all terminate.

2.4 **Third-Party Technology**. To the extent any third-party technology is appropriate or necessary for use with the Software Solution and is specified in the Documentation or Proposal, Customer's right to use such third-party technology is governed by the terms of the applicable third-party technology license agreement and not by this SaaS Agreement.

2.5 **Tools and Diagnostics**. AMI may use tools, scripts, software, and utilities (collectively, the "**Tools**") to monitor and administer the Support Services, and to help resolve issues with the Software Solution. Collection, reporting or storage of any Customer Data residing in the Software Solution production environment may be used by AMI to troubleshoot or diagnose and resolve problems with the Software Solution. Customer Data collected by the Tools may also be used to assist in managing AMI's product and service portfolio and for compliance management. Customer will not be granted access to, and may not access or use, the Tools unless expressly permitted by AMI; such access to the Tools shall be granted in AMI's sole discretion and shall be subject to additional fees. Customer will grant AMI such access to Customer's IT systems as may be reasonably required by AMI solely to remotely diagnose issues that Customer reports to AMI it has with the Software Solution, or that AMI may discover through its administration of the Software Solution.

3. **RESTRICTIONS AND PROHIBITIONS**. Customer will not, at any time, during or after the Services Term:

3.1 Remove or modify any AMI markings or any notice of AMI's IP Rights;

3.2 Provide any third party with access to, or otherwise make the Software Solution available to such third party without AMI's prior, written consent;

3.3 Copy, modify, make derivative works of, disassemble, reverse compile, or reverse engineer any part of the Software Solution;

3.4 Use the Software Solution to store or transmit any Malicious Code, or introduce (intentionally or otherwise) Malicious Code into the Software Solution;

3.5 License, sell, rent, lease, transfer, assign, distribute, display, host, outsource, or disclose the Software Solution software programs to any third party;

3.6 Use or permit the use of the Software Solution, including by uploading, emailing, posting, publishing or otherwise transmitting any material, for any purpose that may (i) menace or harass any person or cause damage or injury to any person or property, (ii) involve the publication of any material that is false, defamatory, harassing or obscene, (iii) violate privacy rights, (iv) promote or condone bigotry, racism, hatred or harm, (v) constitute unsolicited bulk e-mail, "junk mail," "spam" or chain letters; (vi) infringe upon or violate the IP Rights of any person or entity, or (vii) otherwise violate Laws;

3.7 Use the Software Solution to create a database, build, or help another to build, a product or service using similar ideas, features, functions or graphics as the Software Solution, whether to directly compete with AMI or otherwise;

3.8 Permit (including by failure to adequately supervise and monitor) any User to share its access credentials for the Software Solution with another.

3.9 In addition to, and without prejudicing, any other rights or remedies available to AMI, AMI reserves the right to remove or disable Customer's access to the Software Solution if Customer violates any of the foregoing restrictions. AMI shall have no liability to Customer in the event that AMI takes such action.

4. **CUSTOMER RESPONSIBILITIES**.

4.1 **Assistance**. Customer will provide commercially-reasonable information and assistance to AMI to enable AMI to deliver the Support Services.

4.2 **Data Delivery**. Upon request from AMI, Customer shall promptly deliver complete and accurate set(s) of Customer Data to AMI in electronic file format(s) specified and accessible by AMI. AMI's ability to deliver the Software Solution in the manner provided in this SaaS Agreement may depend upon the accuracy and timeliness of such information and assistance.

4.3 **Legal and Regulatory Compliance**. Customer shall comply with all Laws in using the Software Solution, and in performing its obligations under this SaaS Agreement, including gathering any permissions or consents required with regards to the use and processing of Customer Data in order for AMI to legally process Customer Data under the terms of this SaaS Agreement.

4.4 **Unauthorized Use; False Information**. Customer agrees to make reasonable efforts to prevent unauthorized third parties from accessing the Software Solution. Customer shall (i) notify AMI immediately of any unauthorized use of any access credentials or any other known or suspected breach of security, (ii) report to AMI immediately, and use reasonable efforts to stop, any unauthorized use of the Software Solution that is known or suspected by Customer or any User, and (iii) not provide false identity information to gain access to or use the Software Solution.

4.5 **User Acts and Omissions**. Customer shall be solely responsible for the acts and omissions of Users. Customer will be responsible for Users' compliance with this SaaS Agreement, the Documentation and all Proposals. AMI shall not be liable for any loss of data or impaired functionality caused directly or indirectly by Users.

4.6 **Customer Data**. Customer is responsible for the accuracy, quality and legality of Customer Data, the means by which Customer acquired Customer Data, and Customer's use of Customer Data in connection with the Software Solution.

4.7 **Customer Equipment**. Customer shall be responsible for providing and maintaining the required terminal equipment and data lines for its use of the Software Solution, and shall ensure that their configuration and technical condition comply with the then current requirements issued by AMI from time to time.

5. **INTELLECTUAL PROPERTY OWNERSHIP**.

5.1 AMI owns the software code and all other elements that comprise the Software Solution, excluding code or software that is considered open source, or is licensed by AMI from a third-party and any modifications, customizations, or improvements thereto, whether made by AMI or Customer, including all IP Rights therein. AMI owns anything developed and delivered under this SaaS Agreement, including the IP Rights therein. Anything developed by Customer and delivered to AMI in connection with this SaaS Agreement shall be deemed a work-made-for-hire as such is defined and interpreted by U.S. copyright laws. To the extent the work-made-for-hire doctrine does not apply to any such works, Customer hereby irrevocably transfers and assigns all right, title and interest in and to such works to AMI. AMI's proprietary data analysis methodology used to provide the Services, and all

associated mathematical models, algorithms, business processes, designs, software, and source code, including any future modifications, is owned by AMI, including all IP Rights therein. No intellectual property rights are granted to Customer under this SaaS Agreement except as expressly set forth herein.

5.2 Notwithstanding Customer's data delivery obligations under Section 4.2, and subject to the license granted to AMI under Section 2.1, and AMI's right to use de-identified portions of Customer Data under Section 5.3, Customer Data is owned by Customer.

5.3 AMI may use de-identified data to create aggregated/combined data, reports, and analyses from the Customer Data or Customer's use of the Software Solution (such aggregated, combined, enriched, de-identified data, reports, and analyses are "**AMI Data**"). Without limiting the generality of the foregoing, AMI Data shall also include: (a) the results of AMI's analytics, enhancements and modifications to AMI Data; (b) any Customer Feedback (as defined in Section 5.5 below); and (c) AMI's learnings from providing Services. AMI shall own the AMI Data, and all IP Rights therein, and may use AMI Data for its own lawful business purposes including providing third-party customers with data products and services derived from AMI Data.

5.4 Notwithstanding the foregoing, but subject to the confidentiality provisions in this SaaS Agreement, Customer may develop and use during the Services Term only and solely for its internal business purposes, works and analyses created by Customer from Customer Data or from the results of the Services ("**Derivative Works**"). Customer shall own its Derivative Works and all IP Rights therein, subject to the requirement of this Section 5.4 that Customer only use such Derivative Works during the Services Term.

5.5 To the extent not covered by Section 5.1, AMI shall own and retain all intellectual property rights in any suggestion, enhancement request, recommendation, correction or other feedback, including without limitation, new features or functionality relating thereto, or any comments, questions, suggestions, or the like related to the Software Solution ("**Feedback**") provided by Customer, Users or any of Customer's employees or contractors whether provided by mail, email, telephone, or otherwise. AMI is free to use such Feedback irrespective of any other obligation or limitation between the Parties governing such Feedback. To the extent required, Customer hereby assigns to AMI on Customer's behalf, and on behalf of its employees, contractors and/or agents, all right, title, and interest in, and AMI is free to use, without any attribution or compensation to any party, any ideas, know-how, concepts, techniques, or other intellectual property rights contained in the Feedback, for any purpose whatsoever, although AMI is not required to use any Feedback. Any Feedback shall not be considered a Derivative Work.

5.6 Subject only to the terms of this Section 5, any use (whether authorized or not) of intellectual property or Confidential Information owned by a Party shall, inure to the sole benefit of that Party.

6. **WARRANTIES, DISCLAIMERS AND EXCLUSIVE REMEDIES**.

6.1 AMI warrants to Customer that (i) the Software Solution will perform materially as described in this SaaS Agreement for a period of one (1) year following the Effective Date; and (ii) at the time the Software that is part of the Software Solution is made available to Customer hereunder, it does not contain any virus or other malicious code that would cause the Software Solution to become inoperable or incapable of being used in accordance with the Documentation. THE FOREGOING WARRANTIES DO NOT APPLY, AND AMI STRICTLY DISCLAIMS ALL WARRANTIES, WITH RESPECT TO ANY THIRD-PARTY PRODUCTS AND SERVICES.

6.2 The warranties set forth in Section 6.1 do not apply and become null and void if Customer breaches any material provision of this SaaS Agreement, or if Customer, any User, or any other person provided access to the Software Solution by Customer or any User, whether or not in violation of this SaaS Agreement: (i) installs or uses the Software Solution and/or the Software therein on or in connection with any hardware or software not specified in the Documentation or expressly authorized by AMI in writing; (ii) modifies or damages the Software Solution and/or the Software therein; or (iii) misuses the Software Solution or the Software therein, including any use of such Software other than as specified in the Documentation or expressly authorized by AMI in writing.

6.3 If, during the period specified in Section 6.1, the Software Solution fails to comply with the warranty in Section 6.1, and such failure is not excluded from warranty pursuant to Section 6.2, AMI shall, subject to Customer's promptly notifying AMI in writing of such failure, at its sole option, either: (i) repair or replace the Software Solution, provided that Customer provides AMI with all information AMI requests to resolve the reported failure, including sufficient information to enable AMI to recreate such failure; or (ii) refund the Fees paid for such Software Solution, subject to Customer's ceasing all use of the Software Solution. If AMI repairs or replaces such Software Solution, the warranty will continue to run from the Effective Date and not from Customer's receipt of the repair or replacement. The remedies set forth in this Section 6.3 are Customer's sole remedies and AMI's sole liability under the limited warranty set forth in Section 6.1.

6.4 AMI further represents, warrants and covenants to Customer that (i) AMI has, and throughout the Services Term will have, the unconditional and irrevocable right, power, and authority to provide the Services and grant and perform all rights granted by it under this SaaS Agreement; (ii) AMI has taken all industry-standard measures to prevent the introduction of Malicious Code into the Software Solution; and (iii) AMI will perform all Services in a professional and workmanlike manner in accordance with recognized industry standards and practices, using personnel with appropriate skill.

6.5 EXCEPT FOR THE LIMITED WARRANTY SET FORTH IN SECTION 6.1, THE SOFTWARE SOLUTION AND APPLICABLE DOCUMENTATION ARE PROVIDED "AS IS" AND AMI HEREBY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE. AMI SPECIFICALLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT, AND ALL WARRANTIES ARISING FROM COURSE OF DEALING, USAGE, OR TRADE PRACTICE. EXCEPT FOR THE LIMITED WARRANTY SET FORTH IN SECTION 6.1, AMI MAKES NO WARRANTY OF ANY KIND THAT THE SOFTWARE SOLUTION AND APPLICABLE DOCUMENTATION, OR RESULTS OF THE USE THEREOF, WILL MEET CUSTOMER'S OR ANY OTHER PERSON'S REQUIREMENTS, OPERATE WITHOUT INTERRUPTION, ACHIEVE ANY INTENDED RESULT, BE COMPATIBLE OR WORK WITH ANY SOFTWARE, SYSTEM OR OTHER SERVICES, OR BE SECURE, ACCURATE, COMPLETE, FREE OF HARMFUL CODE, OR ERROR FREE.

6.6 **Third Party Websites, Content, Products and Services**. The Software Solution may enable Customer to add access to content, products and services of third parties. In the event Customer adds such access, AMI is not responsible for any content provided by such third parties, and Customer bears all risks associated with the access and use of such content, products and services.

7. **FEES AND TAXES; EXPENSES**.

7.1 **Fees**. Customer agrees to pay the fees for all Services set forth in any Proposal including the Software Solution. All fees due pursuant to a Proposal accepted by AMI are non-cancelable and the sums paid are non-refundable except as specifically set forth in this SaaS Agreement. Fees for Services listed in a Proposal are exclusive of taxes and expenses. Notwithstanding anything in a Proposal to the contrary: (i) if AMI has archived data for a Customer for at least three (3) years, AMI may charge Customer for any future data retention and/or archiving to be provided by AMI; (ii) to the extent there are increases by AMI's third party vendors for the Software Solution, then AMI may increase the fees for the Services hereunder to account for such increase by such third party vendors; (iii) on each one-year anniversary of the SaaS activation date, AMI may adjust pricing by an amount equal to the greater of: (a) three percent (3%); or (b) the percentage equal to the percentage change for services in the Consumer Price Index statistic published by the United States Bureau of Labor; and (iv) if Customer goes over thirty-thousand (30,000) transactions per month ("Transaction Limit") for two (2) months in a row, AMI reserves the right to raise the fees. All invoiced amounts not reasonably in dispute are due and payable within thirty (30) days of Customer's receipt of AMI's invoice. If Customer fails to pay any invoice, or portion thereof, when due, AMI reserves the right to: (i) suspend Customer's access to the Software Solution and suspend providing Services; (ii) accrue and charge Customer interest at the lower of the rate of eighteen percent (18%) per annum, or the highest rate permitted by Law, from the date due until the date paid; and/or (iii) terminate this SaaS Agreement upon notice to Customer without further obligation to Customer or the refund of any previously-paid fees. Should AMI initiate any legal action or collections proceedings with respect to a past-due invoice, or portion thereof, AMI shall be entitled to recovery of its reasonable expenses in so doing, including without limitation, reasonable attorneys' fees and court costs.

7.2 **Taxes**. Customer agrees to pay any sales, use, value-added or other taxes imposed by Law that AMI must remit to relevant taxing authorities based on the Services Customer orders, except for taxes based on AMI's income.

7.3 **Expenses**. Customer agrees to reimburse AMI for reasonable expenses incurred in providing any portion of the Services to Customer at Customer's location(s) or at such other off-site locations that Customer may designate.

8. **CONFIDENTIAL INFORMATION**.

8.1 **Use and Disclosure Restrictions**. Recipient shall maintain the confidentiality of Discloser's Confidential Information and use the same degree of care (but in no event less than a reasonable degree of care) to protect such Confidential Information as Recipient uses to protect its own similar Confidential Information. Recipient shall not discuss, use, disclose, reproduce, disassemble, decompile, or reverse engineer Discloser's Confidential Information except as permitted under this SaaS Agreement or as otherwise required or expressly permitted by Law.

8.2 **Sharing Confidential Information**. Subject to this Section 8, (i) AMI may disclose Customer's Confidential Information only to those employees and subcontractors of AMI who have a need to know for the purposes of providing the Services or to otherwise perform AMI's obligations under this SaaS Agreement; and (ii) Customer may disclose AMI's Confidential Information only to those employees and subcontractors of Customer who have a need to know for the purposes of receiving the Services, evaluating AMI's performance under this SaaS Agreement, or to otherwise exercise Customer's rights under this SaaS Agreement. Notwithstanding the foregoing, each Party, as applicable, must first ensure that such employees and subcontractors are obligated in writing to comply with

duties of confidentiality and non-disclosure that are no less stringent than those set forth in this SaaS Agreement, and make commercially-reasonable efforts to prevent employees and subcontractors from unauthorized use or disclosure of the other's Confidential Information.

8.3 **No Grant of Rights**. This SaaS Agreement does not grant Recipient any IP Rights in a Discloser's Confidential Information except as provided in Sections 5.1 and 5.5.

8.4 **Disclosures Required by Law**. If Recipient becomes required by Law to disclose any of Discloser's Confidential Information, Recipient shall promptly notify Discloser so that Discloser has an opportunity to seek a protective order or other appropriate relief to safeguard its Confidential Information, to the extent legally permitted. Recipient will thereafter be entitled to disclose only those portions of Discloser's Confidential Information necessary to strictly comply with Law. Any portion of Confidential Information that is disclosed pursuant to this Section 8.4 remains subject to Section 8 of this SaaS Agreement.

8.5 **Notice of Breach and Remedies**. Recipient shall notify Discloser immediately upon becoming aware of any breach or threatened breach of this Section 8. Recipient shall provide reasonable assistance to Discloser in connection with any reasonable actions that Discloser takes to prevent or stop the breach or threatened breach. Breach of this Section 8 may cause Discloser irreparable harm, for which monetary damages are not adequate compensation, or are not reasonably capable of being ascertained. Therefore, Discloser is entitled to injunctive or other equitable relief to prevent or stop any breach or threatened breach of this Section 8 without the need to prove actual harm or post any bond, and Recipient will take no action to diminish or impede such rights of Discloser. Nothing in this Section 8 may be construed as limiting Discloser's right to any other remedies at law or equity.

8.6 **Return of Confidential Information**. Upon termination or expiration of this SaaS Agreement, Recipient shall return or destroy, all Confidential Information received from Discloser, whether in tangible or electronic form, together with all copies, reproductions and summaries of Confidential Information, and upon Discloser's written request, will certify in writing to Discloser such return or destruction within thirty (30) days of receipt of the written request. To the extent required by Law, Recipient may retain one (1) copy of Discloser's Confidential Information for archival purposes only.

8.7 **AMI Data**. Provisions of this Section 8 that would otherwise apply to AMI expressly do not apply to AMI's use and dissemination of AMI Data under Section 5.3 above.

9. **TERM AND TERMINATION; SURVIVAL**.

9.1 **Term**. This SaaS Agreement shall commence on the Effective Date and continue for the duration of the Services Term, unless earlier terminated in accordance with this Section 9 or other provisions of this SaaS Agreement granting early termination rights. The initial Services Term shall be as set forth in the Proposal. The Services Term shall thereafter automatically renew for successive renewal terms of identical duration to the renewal of the initial Services Term, until either Party provides notice of its intent to not renew after completion of the then-current Services Term. Such notice shall be delivered at least thirty (30) days prior to the end of the then-current Services Term and termination shall become effective on the last day of the then-current Services Term.

9.2 **Termination for Breach**. If either Party breaches a term of this SaaS Agreement and fails to cure the breach within fifteen (15) days of receipt of written notice of the breach, then the breaching Party is in default and the non-breaching Party may terminate the applicable Proposal under which the breach occurred or this SaaS Agreement. The non-breaching

Party may agree in its sole discretion to extend the 15-day cure period for so long as the breaching Party continues reasonable efforts to cure the breach. If Customer terminates this SaaS Agreement due to an uncured breach by AMI, Customer shall pay for all Services delivered prior to such termination. If AMI terminates this SaaS Agreement due to Customer's uncured breach, Customer must pay, within thirty (30) days, all amounts that have accrued prior to such termination date, as well as all sums remaining unpaid for the Services ordered under this SaaS Agreement, plus related taxes and expenses.

9.3 **Suspension**. In addition to, or in lieu of, its termination rights, AMI may immediately suspend Customer's access to the Software Solution if (i) Customer fails to pay any amounts to AMI when due, or (ii) Customer violates any provision within sections 2, 3, 4, 5, 8 or 14 of this SaaS Agreement. Any suspension by AMI of the Software Solution under this Section 9.3 shall not in any manner affect, limit or waive any other rights of remedies of AMI under this SaaS Agreement or Law, nor excuse Customer from its obligation to make timely and full payments under this SaaS Agreement.

9.4 **Consequences of Termination**. Upon termination of any Proposal, the license granted to Customer under Section 2, and all of Customer's rights to access or use the Software Solution and receive the Support Services set forth in the Proposal, shall terminate. Upon termination of this SaaS Agreement, the same shall apply, except that all existing Proposals shall be deemed terminated concurrently with the SaaS Agreement.

9.5 **Post-Termination Data Retrieval**. At Customer's request, and for a period of up to sixty (60) days after the termination or expiration of the applicable Proposal, AMI may permit Customer to access the Software Solution for the sole purpose, and only to the extent necessary, for Customer to retrieve the Customer Data then in the production environment. AMI has no obligation to retain Customer Data beyond such sixty (60) day period, and Customer Data may be irretrievably deleted following the termination or expiration of the Proposal. AMI shall provide commercially-reasonable assistance to Customer with respect to such data retrieval or migration, at Customer's expense, unless termination is due to an uncured breach by AMI, in which case such assistance will be provided at AMI's expense. Upon Customer's request, and for a period of up to sixty (60) days after the termination or expiration of the applicable Proposal, AMI will provide Customer a copy of Customer Data then in the production environment, subject to additional charges at Customer's expense.

9.6 **Survival**. Provisions that by their nature contemplate observance or performance after termination or expiration of this SaaS Agreement shall survive, including without limitation, Section 1, Subsections 2.4 and 2.5, Section 3, Subsections 4.3, 4.5, 4.6, Sections 5 through 8, Subsections 9.2, 9.4, 9.5, 9.6, Sections 10 through 12, and Subsections 16.1, 16.2, 16.3, 16.5, 16.6, 16.7, 16.9, 16.10, 16.12.

10. **INDEMNIFICATION**.

10.1 **Indemnity by AMI**. Subject to Section 10.3, AMI shall indemnify, defend, and hold harmless Customer from and against any and all losses, damages, liabilities, costs (including reasonable attorneys' fees) incurred by Customer resulting from any third-party claim, suit, action, or proceeding that the Software Solution, or any use of the Software Solution in accordance with this SaaS Agreement, infringes or misappropriates such third party's US patents, copyrights, trade secrets, or other intellectual property right ("IP Claim"), provided that Customer promptly notifies AMI in writing of the IP Claim, cooperates with AMI, and allows AMI sole authority to control the defense and settlement of such IP Claim. Customer shall have the option, at Customer's sole discretion and expense, to participate in the defense of any IP Claim using attorneys selected by Customer. If such an IP Claim is made or appears possible, Customer agrees to permit AMI, at AMI's

sole discretion, to (A) modify or replace the Software Solution or Documentation, or component or part thereof, to make it non-infringing, or (B) obtain the right for Customer to continue to use the Software Solution. If AMI determines that none of these alternatives is reasonably available, AMI may terminate this SaaS Agreement, in its entirety or with respect to the affected component or part, effective immediately on written notice to Customer and provide to Customer a pro rata refund of any pre-paid fees.. AMI shall have no obligation to indemnify Customer hereunder with respect to any IP Claim to the extent it arises due to any: (A) use of the Software Solution in combination with data, software, hardware, equipment, or technology not provided by AMI or authorized by AMI in writing; (B) modifications to the Software Solution not made by AMI; (C) use of any version other than the most current version of the Software Solution or Documentation delivered to Customer; (D) Third-Party Products; or (E) combination, operation or use of the Software Solution with software program(s) or data not part of the Services if the IP Claim would have been avoided had such combination, operation or use not occurred.

10.2 **Indemnity by Customer**. Customer shall, at its sole cost and expense, defend AMI, its Affiliates, and their respective officers, directors, employees and agents, from and against any and all actions, claims, demands, suits, or proceedings brought against AMI by a third party resulting from, or arising in connection with, Customer's (i) breach of any of the terms of this SaaS Agreement, or (ii) negligent or intentionally-wrongful acts or omissions ("Claims"). Customer shall indemnify and hold AMI, its Affiliates, and their respective officers, directors, employees and agents harmless from and against any and all losses, costs, damages, judgments, liabilities and expenses (including without limitation reasonable attorneys' fees) arising out of, or in settlement of, such Claims, provided that AMI notifies Customer promptly (but in any event within ten (10) days of becoming aware) in writing of the Claim and provides Customer with all reasonable assistance, information and authority necessary to perform the above. Customer shall have sole control of the defense with respect to any such Claim, including settlement of such Claim; provided, however, that Customer may not settle any Claim unless the settlement unconditionally releases AMI of all liability. AMI shall have the option, at AMI's sole discretion and expense, to participate in the defense of any such Claim using attorneys selected by AMI.

10.3 **Scope of Obligations**. The obligations of Sections 10.1 and 10.2 above shall exist whether arising from the act or omission of a Party, or that Party's Affiliate or subcontractor.

10.4 **Above Remedies Exclusive**. The remedies set forth in Section 10.1 above are Customer's sole and exclusive remedies, and AMI's sole obligations, with respect to any IP Claims.

11. **LIMITATION OF LIABILITY**. IN NO EVENT SHALL EITHER PARTY BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO ANY LOSS OF REVENUE OR PROFITS, DATA LOSS, OR DATA BREACH. AMI'S MAXIMUM LIABILITY FOR ANY DAMAGES ARISING OUT OF OR RELATED TO THIS SAAS AGREEMENT, WHETHER IN CONTRACT, TORT, OR OTHERWISE, SHALL IN NO EVENT EXCEED, IN THE AGGREGATE, THE TOTAL AMOUNTS ACTUALLY PAID TO AMI FOR THE SERVICES UNDER THE ORDER THAT IS THE SUBJECT OF THE CLAIM IN THE TWELVE (12) MONTH PERIOD IMMEDIATELY PRECEDING THE EVENT GIVING RISE TO SUCH CLAIM. ANY DAMAGES IN CUSTOMER'S FAVOR AGAINST AMI SHALL BE REDUCED BY (I) ANY DISCOUNT, REFUND, OR CREDIT RECEIVED BY CUSTOMER DURING THE TERM OF THIS SAAS AGREEMENT, AND (II) ANY AMOUNTS OWED TO AMI BUT NOT PAID BY CUSTOMER. NOTWITHSTANDING THE FOREGOING, THE LIMITATIONS OF LIABILITY SET FORTH HEREIN SHALL NOT APPLY TO THE PARTIES' INDEMNIFICATION OBLIGATIONS SET

FORTH IN SECTION 10; BREACH BY A PARTY OF ITS CONFIDENTIALITY OBLIGATIONS UNDER SECTION 8; OR DAMAGES CAUSED BY A PARTY'S GROSS NEGLIGENCE OR WILLFUL MISCONDUCT.

12. **EXPORT COMPLIANCE**. Aspects of the Software Solution, and any derivatives therefrom, may be subject to export laws and regulations of the United States and other jurisdictions. Customer agrees that such export control laws govern Customer's use of the Software Solution and any Support Services provided under this SaaS Agreement. Customer will not permit any User to access or use the Services in a U.S.- embargoed country or region (currently, Cuba, Iran, North Korea, Sudan, Syria and Crimea) or in violation of any applicable export law or regulation.

13. **OFFLINE CAPABILITIES**

13.1 **Amano ONE Offline Capabilities**. To the extent applicable, Amano ONE offers a limited offline functionality that allows certain transient and monthly card holders the ability to enter and exit a facility, which may be enabled by Customer or by AMI on behalf of Customer ("Offline Mode"). Transactions that may occur in Offline Mode, with the exception of tickets that are issued, will not be available in the Amano ONE portal once the connection has been restored to the cloud. As such, Customer acknowledges that use of the Offline Mode may cause reporting and tracking discrepancies at the facility. If Customer agrees to have Offline Mode enabled, AMI shall not be responsible for any adverse effects of the system while operating in Offline Mode.

14. **SUPPORT AND MAINTENANCE.** The terms of this section 14 apply to the Software Solution, notwithstanding anything in a Proposal to the contrary. AMI shall make commercially reasonable efforts to ensure that the Software Solution will be accessible and functional 24 hours per day, 7 days per week, with the exception of scheduled maintenance periods and the Uptime Exceptions (defined below) (collectively the "Excused Downtime"). The foregoing notwithstanding, Customer acknowledges and agrees that the Software Solution may be inaccessible or inoperable at any time and for any reason, including without limitation due to equipment malfunctions, unscheduled maintenance or repairs, or causes that are beyond AMI's reasonable control or not reasonably foreseeable by AMI, including without limitation interruption or failure of telecommunication or digital transmission links, hostile network attacks, network congestion, internet traffic problems or other failures, or failures with Customer's hardware, software, technology, equipment, or applications that are not provided by AMI, or a Force Majeure Event (collectively the "Uptime Exceptions"). If the Software Solution becomes inaccessible to users or not fully functional, other than due to the Excused Downtime, AMI shall have qualified personnel respond and endeavor to remedy such unavailability or failure of functionality as soon as reasonably possible.

15. **DATA SECURITY AND PRIVACY**.

15.1 **Personal Information Processing.** AMI shall process all data, including personal information, provided by Customer or collected in connection with this SaaS Agreement in accordance with AMI's Privacy Policy, located at https://www.amanomcgann.com/terms-conditions/.

15.2 **Customer Obligations.** Customer acknowledges and consents to AMI's Privacy Policy (linked above) as a term of this SaaS Agreement, which may be amended from time to time. Customer is responsible for its use of the Software Solution and any of Customer's Users in compliance with this SaaS Agreement. AMI retains the right to remove authorization and access of any of Customer's Users upon request of Customer or in the event such User is in breach of the terms of this SaaS Agreement.

15.3 **Security Testing**. Customer shall not, nor direct any third party to, tamper with, compromise, or attempt to circumvent any physical or electronic security or audit measures used by AMI in the course of AMI's business operations.

16. **GENERAL PROVISIONS**.

16.1 **Entire Agreement Order of Precedence**. The Parties agree that the Agreement, including this SaaS Agreement and each applicable Proposal (including the information which is incorporated into this Agreement by written reference, including reference to information contained in a URL or referenced policy), is the complete agreement for the Services ordered by Customer, and supersedes all prior or contemporaneous agreements or representations, written or oral, regarding such Services. It is expressly agreed that the terms of this Agreement, including this SaaS Agreement and any Proposal, shall supersede the terms in any purchase order or other non- AMI document, and no terms included in any such purchase order or other non- AMI document shall apply. Furthermore, to the extent there is a conflict between the SaaS Agreement and the Proposal or Documentation, the terms of the main body of this SaaS Agreement shall control.

16.2 **Third-Party Beneficiaries**. No other person or entity other than the Parties will have any rights, interests, or claims hereunder, or be entitled to any benefits under, or on account of, this SaaS Agreement as a third-party beneficiary or otherwise.

16.3 **Severability**. If any term of this SaaS Agreement is found to be invalid or unenforceable, the remaining provisions will remain effective and such term shall be replaced with a term consistent with the purpose and intent of this SaaS Agreement.

16.4 **Updates and Amendments**. AMI may amend this SaaS Agreement and modify, update, or upgrade the Software Solution ("Software Updates") from time to time without notice or consent from Customer; provided, that if such changes materially affect the nature or scope of the SaaS Agreement, the functionality of the Software Solution, or the fees or any performance dates set forth in the Proposal, then AMI shall provide prior written notice of such contract amendments and Software Updates to Customer. Customer's continued access and/or use of the Software Solution following such contract amendments and Software Updates shall be deemed to be its acceptance of the revised SaaS Agreement and/or Software Solution. Further, the terms of this SaaS Agreement shall apply to any Software Updates that AMI may make available to the Customer under the terms herein.

16.5 **Relationship of the Parties**. AMI is an independent company, and the Parties agree that no partnership, joint venture, or agency relationship exists between the Parties. Neither Party has the power to bind the other or incur obligations on the other's behalf without the other Party's prior written consent. Each Party will be responsible for paying its own employees, including employment related taxes and insurance.

16.6 **Governing Law**. This SaaS Agreement shall be governed by the substantive and procedural laws of the State of Minnesota, and Customer and AMI agree to submit to the exclusive jurisdiction of, and venue in, the courts in Hennepin County, Minnesota in any dispute arising out of, or relating to, this SaaS Agreement.

16.7 **Notices**. Notices required by this SaaS Agreement shall be in writing and shall be deemed properly dispatched if (a) personally delivered, (b) sent by facsimile (with confirmation of transmission), (c) sent by registered or certified U.S. mail, postage prepaid, return receipt requested, or (d) sent using a nationally-recognized overnight courier service with package tracing capabilities. All notices shall be sent to the address set forth in applicable Proposal, or such other address as a Party may designate in a notice that complies with the terms of this Section. Notices shall be deemed to have been given as of (i) the date delivered if by

personal delivery, (ii) the date delivered as evidenced by the return receipt of the U.S. Postal Service if sent by U.S. Mail, or (iii) the date delivered as evidenced by the tracking document if sent by overnight courier.

16.8 **Dispute Resolution**. Except with respect to IP Rights, breaches of confidentiality, claims subject to indemnification, or other matters for which temporary injunctive relief is sought, if a dispute arises between the Parties relating to the interpretation, performance, or termination of this SaaS Agreement, the Parties agree to hold a meeting (virtually or in Minneapolis, Minnesota) within fifteen (15) days of written request by either Party, attended by individuals with necessary decision-making authority, to attempt in good faith to negotiate a resolution to the dispute prior to pursuing other available remedies. If, within fifteen (15) days after such meeting, the Parties have not succeeded in resolving the dispute, either Party may take action to protect its interests by any lawful means available to it.

16.9 **Attorneys' Fees**. Should either Party initiate legal action to interpret, enforce, or resolve a dispute under this SaaS Agreement, the substantially-prevailing party shall be entitled to recovery of its reasonable attorneys' fees and court costs.

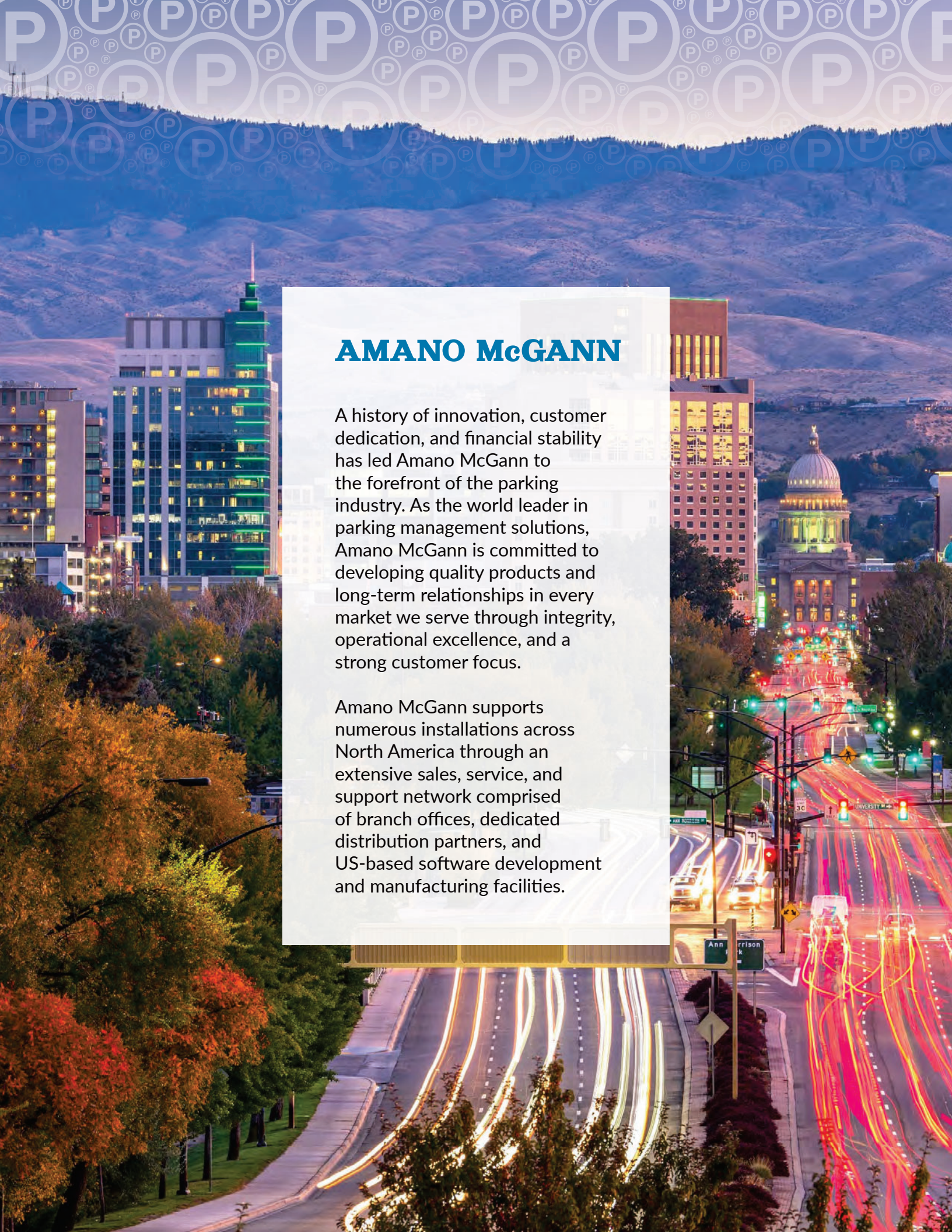
16.10 **Binding Effect; Assignment**. This SaaS Agreement shall be binding upon and inure to the benefit of the Parties hereto and their respective successors and permitted assigns. Neither Party may assign this SaaS Agreement, in whole or in part, without the prior, written consent of the other Party, which consent shall not be unreasonably delayed, conditioned or withheld; except that either Party may assign this SaaS Agreement without the other Party's consent, but with prior written notice, in conjunction with a corporate reorganization, acquisition, merger or sale of substantially all of its assets.

16.11 **Usage Audit Rights**. AMI may audit Customer's use of the Software Solution. Customer agrees to cooperate with AMI's audit and provide reasonable assistance and access to information. Any such audit shall not unreasonably interfere with Customer's normal business operations. Customer agrees to pay within thirty (30) days of written notification any fees applicable to Customer's use of the Services in excess of Customer's rights. If Customer does not pay any such fees owed, AMI can suspend Customer's access to the Software Solution or terminate this SaaS Agreement. Customer agrees that AMI shall not be responsible for any of Customer's costs incurred in cooperating with the audit.

16.12 **Waiver**. No waiver shall be effective unless it is in writing and signed by the waiving Party. The waiver by either Party of any right or breach of this SaaS Agreement shall not constitute a waiver of such right in any other instance or of any subsequent breach.

16.13 **Force Majeure**. Where a Force Majeure Event gives rise to a failure or delay in either Party performing its obligations under this SaaS Agreement (other than obligations to make payment), those obligations will be suspended for the duration of the Force Majeure Event. A Party who becomes aware of a Force Majeure Event that gives rise to, or that is likely to give rise to, any failure or delay in performing its obligations under this SaaS Agreement, will promptly notify the other, and inform the other of the period for which it is estimated that such failure or delay will continue. The affected Party will make commercially-reasonable efforts to mitigate the effects of the Force Majeure Event.

16.14 **Publicity and Marketing Materials**. Customer will respond to AMI's request to identify Customer as a recipient of Services or use Customer's logo in sales presentations, marketing materials or press releases within ten (10) business days of such request.



AMANO McGANN

A history of innovation, customer dedication, and financial stability has led Amano McGann to the forefront of the parking industry. As the world leader in parking management solutions, Amano McGann is committed to developing quality products and long-term relationships in every market we serve through integrity, operational excellence, and a strong customer focus.

Amano McGann supports numerous installations across North America through an extensive sales, service, and support network comprised of branch offices, dedicated distribution partners, and US-based software development and manufacturing facilities.

CLARIFICATIONS REQUESTED ON AMANO PROPOSAL - Issued 11.21.2024	AMANO'S RESPONSES - Received 11.27.2024
QUESTIONS	**ANSWERS**
It appears Amano may have been confused about the relationship of the Performance Bond to the accuracy of LPR. A performance bond only covers initial construction activities, no long-term operations or accuracy of the equipment installed. It would come into play if the contractor walked off the job and left it half done. The government agency could then call on the surety company to help cover the costs of hiring someone to finish the job. Knowing that, will Amano be able to provide updated pricing with LPR included? CCDC would like to explore the option of having LPR installed for user convenience. CCDC recognizes that there are physical limitations that might degrade the accuracy, but would like to consider even if it's using front license plates (knowing that not all vehicles might have one). What cameras do you propose for the LPR? Are there any additional fees in associations with the LPR camera? How long have you been using the LPR cameras and what locations are they in use?	If a performance requirement for LPR accuracy is not included in the Performance Bond for the project, Amano is willing to conduct a thorough review of each facility to assess the feasibility of deploying LPR technology. If front plate is utilized, we recommend it be done for each lane in a facility to keep the reads consistent from entry and exit to support a consistent end-user experience. We can utilize multiple LPR vendors including Genetec, OmniQ, Survision, Tagmaster, and Inex Zamir. Genetec has the widest usage and we have sites that have been using it across our portfolio for years including, but not limited to, The Georgia World Congress Center serving the Atlanta Convention Center and two professional sports stadiums; the Gaylord Texan, Rockies, and Opryland serving large hospitality and conventions; The Bloc, an urban lifestyle center serving downtown Los Angeles; and The University of Arizona campus. The cost for the Genetec LPR hardware, the mounting devices, trigger loop, and additional detector is $7,050 per lane. Civil costs will have to be quoted separately, but typically range between $600 and $750 per lane, assuming no major work is required. If using LPR instead of AVI, we could deduct the cost of AVI but keep the post to accomodate mounting of the camera and this could result in further cost reductions.
Is there an Amano fee for pay-by-phone transient transactions using Amano's solution ?	Amano does not charge any fee (no additional monthly SaaS fee or transactional) for the use of our Amano ONE pay-by-phone solution. The service is a built-in utility of the system and only requires the acquisition of an e-commerce terminal ID from the payment processor. CCDC does have the option to apply a convenience fee to the pay-by-phone transactions, but ownership has full discretion over how to manage this revenue opportunity.
Why are voice commands/instructions not supported at entry/exit kiosks? Is this anticipated to be an option in the future and when?	This feature is on our product development roadmap; however, an estimated timeframe for its availability has not yet been established.
Confirming Amano will have off-line capabilities for the system (RFP Submittal identified Q4 of 2024 as the target date). What is currently being developed under these functionalities?	This response contained a typographical error. As part of our product development roadmap, we will be advancing our offline functionality to ensure both contract and transient parkers can continue using the system during an internet outage. Transactions will be buffered while connectivity is down. This feature will be developed and released in a phased approach until a full standalone/offline feature set is achieved. The first phase of our offline functionality has already been released and is available now. The phased release of the standalone/offline will be an ongoing process until all features described on tab labeled **"Offline Phasing"** are fully implemented. Screen captures demonstrating the reliability of the Amano ONE system over the past year have been included on the tab labeled **"Amano ONE Cloud Reliability".**

What is the vendor's proposed plan to install exit lane kiosks where there are existing cashier booths immediately adjacent to the lane? What physical modifications to the booths will be required?	Three exit lanes with booths will require custom alcove enclosures to accommodate the installation of standard Amano ONE credit card-only exit lane devices. These custom prefabricated enclosures will be mounted from the exterior lane side through a pre-cut opening in the cinder block wall. This design ensures standard operation and door access, while reducing the need for specialized lane hardware modifications.
The RFP requested the amount of storage area (square footage) required to store equipment not installed (Section 1.07.B). Please explain why this was not included in your proposal.	We plan to store the majority of the equipment at our local contractor, Lea Electric's, facility. However, having access to approximately 500 square feet of storage space onsite for items needed in the immediate days would be sufficient for our operational needs.
Please confirm the customer can digitally scan the ticket pulled on entry and it takes them to the portal in one step. What fees will the customer be charged?	The pay-by-phone feature operates similarly to the restaurant menus that became popular during COVID. Each Amano ONE entry credential includes a barcode with a URL embedded in it. When a smartphone is held over the barcode, a prompt will appear saying "Open in Chrome", or whichever browser is set as the default on the device. Upon selecting the prompt, the browser will open and automatically direct the user to the web portal where the parking fee for the ticket will be displayed. The fee presented is the parking fee that you have built into the system. If your hourly rate is $1 an hour and the patron has been there for 3 hours, the fee will be $3. If taxes are built into your rate structure, they can be added to the rate and applied on top of the $3. Additionally, if you choose to apply a convenience fee for pay-by-phone activity, the fee would be added and displayed. For example, if a $1 convenience fee is to be applied, the total displayed would be $4 to include the base rate and convenience fee.
If a customer enters the garage and does not take the ticket (back out ticket), then they decide to exit. Does the Amano equipment retract the ticket? Is the ticket then voided? What if the next customer takes the ticket, does the gate then open?	The printer will retract the ticket if the parker backs away without it. In the event the ticket fails to retract, it will be marked in the system so it cannot be used at exit. Additionally, if the ticket fails to retract, the gate will not open if the next parker attempts to use it.
Are there additional fees for utilizing the Planet option for credit card processing? Or, is the cost the same as Windcave?	Actual costs for the processing service are negotiated with Planet or Windcave directly. We provided sample costs for Windcave in our proposal and are providing the sample pricing for Planet in this response for your review. The in-lane hardware devices are very similar in cost and Amano's pricing will not change based upon which of the two vendors you choose. See the tab titled **"Planet Sample Pricing".**
Are all of hotel reservation systems viable through existing API's with hotels?	Amano ONE does not currently have a direct integration with Hilton or StayNTouch PMS; however, Amano ONE has a feature that allows the hotel front desk to convert a patron's ticket into a pass. The guest can then use the ticket to enter and exit the parking facilities during their stay. The feature can also text or email the patron a link to a barcode that will allow them to use their mobile device as their credential. Amano ONE also has an API available for either PMS to use for an integration.

Please provide additional details regarding the “valet solutions” program? Valet is a key component of the RFP and details of how it works will be helpful.	The valet system(s) typically utilizes barcoded credentials to track vehicles. Valet barcodes in the queue to be used would be entered into the system via a bulk load using our CSV import utility. The valet driver would scan the barcode associated with the vehicle they are bringing it into the garage and then scan the same barcode again when retrieving the vehicle.
Please provide additional information regarding the lack of breakaway gates? ParkBOI experiences an unusual amount of both gate lift (vertical) as well as gate ram (horizontal) damage to gates. Are the Amano One gates similar to the Amano Overture gates? Does a gate lift, or ram, cause damage to the controller, motor, etc.?	The Amano Overture gate is an older design. The current gate design is similar, but it includes a mechanical brake that can be overcome with enough vertical force without causing damage to the gate. Horizontal force may damage the extruded aluminum arm, but it will not typically affect the internal mechanisms of the gate.
Dynamic messaging display/sign – can the number of available spaces be added to the digital signs or are the signs limited to “open” and “closed?”	The IPdisplays we have proposed to replace the existing Daktronics signs can show the number of available spaces if desired, or simply indicate 'Open' or 'Closed'.
Does the Amano/Umojo integration allow for a “call-down” feature? For example, if someone from the Park-on-Call team notices a vehicle at the exit gate having difficulty, could the Park-on-Call operator call “down” to the exit gate?	The integration between Amano and Umojo is still being built out. As we do have the ability to call down with another intercom vendor, it is our expectation that this feature will also be available with Umojo.
Please provide additional details and clarification regarding the Implementation Plan found in C.4.1.	This implementation plan serves as a strategic roadmap for upgrading the parking access and revenue control systems at ParkBOI. By systematically following the outlined phases and prioritizing training, testing, and quality assurance, we aim to deliver an operationally efficient system that meets the diverse needs of the ParkBOI community. The installation will be a phased approach with each facility being fully finished before moving on to the next. As requested, each facility will remain operational throughout the conversion process. We will communicate with CCDC in advance of starting a facility, providing the exact timing and process for the site. This will allow all parties to make any necessary modifications, communications, etc. to the appropriate parties to minimize disruption. The installation will begin at Capital & Myrtle Garage on April 7, 2025 and proceed through 10th & Front, 11th & Front, 9th & Front, and 9th & Main, finishing at Capital & Main on July 2nd at which time we will begin full operational testing which will run through August 6, 2025. Our onsite team of Lea Electric will be led locally by DMG Systems, our trusted partner who has experience installing Amano products, including Amano ONE. They will provide onsite management and supervision and will report directly to the Amano Project Manager for this project. Our teams will include a remote project manager, an onsite project foreman, and 2-3 onsite installers per garage. Our schedule is built so each lane will require lane acceptance testing by the project foreman who will report progress to the project manager. Any deficiencies will be corrected lane by lane, and by facility, before moving to the next facility. Through collaboration, meticulous planning, and execution, we will ensure a successful project outcome that enhances the parking experience for all users.

Is DGM the installer and then TCP/ParkBOI is able to complete day-to-day maintenance? Or, do we need to contact DGM for daily maintenance?	TCP/ParkBOI are able to complete the day-to-day maintenance. TCP has been through our virtual training programs and these same programs will be made available to ParkBOI individuals. Training sessions will cover the basics of hardware support, as well as key aspects of software settings and configuration. The status of a device can be monitored remotely from the cloud, allowing for initial troubleshooting before deployment. As long as an individual has been granted the necessary access to that portion of the system, they can drill down to the device and, if needed, perform tasks such as rebooting it.
The “Valet Activity Report” sample on page 86 of the proposal shows one line of a report and then a blank area. Please clarify this is all the information meant to be provided. If not, please provide the full report.	The Valet activity report will only display information if Amano's CVPS valet platform is utilized. Outside valet systems do not integrate with Amano ONE; therefore, this report would not be relevant to your location.
Please provide details regarding data import of existing monthly parkers to your software system.	We have a CSV import function that can be used to bulk load the data for existing contract parkers. There is specific mapping for the information which will be provided to TCP/ParkBOI to ensure the data is extracted from the current system in a format that can be digested by Amano ONE.

PLANET PRICING PLANS

Plan	Monthly Fee	Monthly Included Transactions	Per Transaction Overage Fee	Term w/60 Days Out
Business (A)	$60.00	1,000	$0.08	12 months
Business (B)	$330.00	5,000	$0.07	12 months
Corporate (A)	$700.00	12,000	$0.06	12 months
Corporate (B)	$1230.00	25,000	$0.05	12 months
Monthly RMA* (Optional)	$25.00			

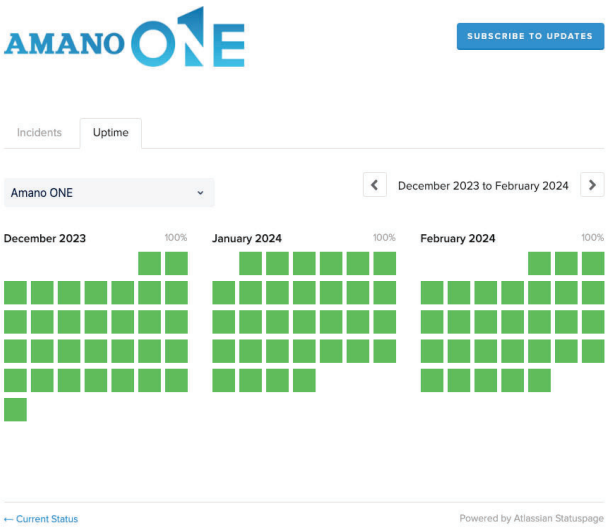
A one-time setup fee of $350.00 will apply for new accounts.

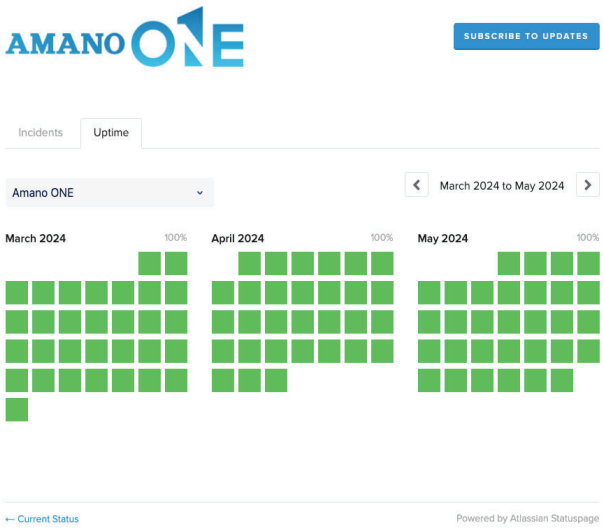
*Monthly RMA covers all back end set ups, RMA costs, and a LIFETIME warranty which includes tampers, thefts, and physical damage.

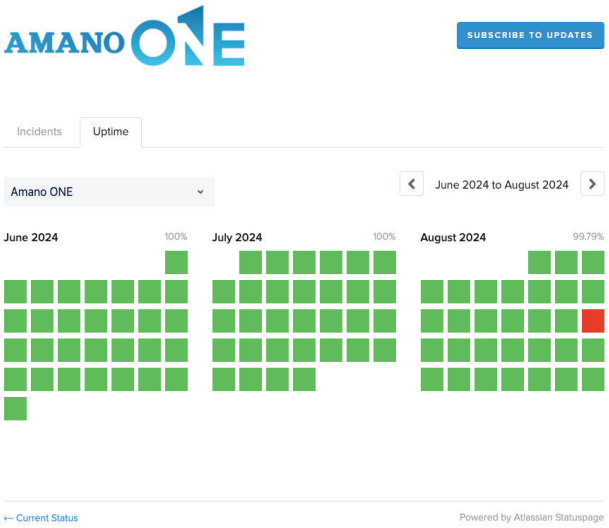
OFFLINE PHASING

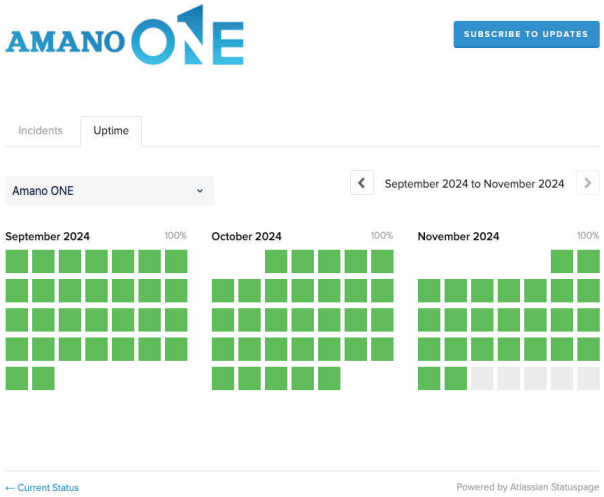
Phase 1 Contract Cardholders (Existing functionality)	Contract cardholders' credentials will continue to operate the gate by checking system code and valid card format. Once communications have been restored, the Amano ONE system has the ability for the user to perform a "re-sync" operation to set cards to a neutral status.
Phase 2 Contract Cardholders (Future functionality)	Distributive service will be added to the local devices to store offline transactions and share both transaction information and resources between locally connected devices. When the network connection is restored, the lane devices will upload buffered transactions to the cloud.
Phase 1 Transient Entrance (Existing functionality)	Transient ticket activity will continue during the communication loss, with the Entry Station still enabling ticket issuance, up to 5,000 entry tickets. All tickets up to 5,000 per device would buffer and upon restore would send the ticket data to the cloud.
Phase 2 Transient Entrance (Future functionality)	Distributive service will be added to the local devices to share both transaction information and resources between locally connected devices.
Phase 1 Transient Exit (Existing functionality)	Upon exiting during this degraded time, the Exit Payment Station can be configured to read an Amano ONE entry ticket and either open the gate or display a user configurable message such as "Please Pay the Attendant." The mode of operation can be selected by the local team.
Phase 2 Transient Exit (Future functionality)	Distributive service will be added to the local devices to store offline transactions and share both transaction information and resources between locally connected devices. Offline connected devices that are able to communicate locally will be able to show a fee and collect a payment for the transaction. When the network connection is restored, the lane devices will upload buffered transactions to the cloud.

12 Month Reflection of the Performance of Amano ONE









CAPITAL CITY DEVELOPMENT CORP

PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS) REPLACEMENT PROJECT

D e: Octobe 21, 2024 3:00 .m.

INAL EVALUATION TALLY

VENDOR	Possible Poi ts	AMANO MCGANN			FLASH PARKING			SCHEIDT BACHMANN			SKIDATA		
		S			I			N S			I		
		1	2	3	1	2	3	1	2	3	1	2	3
C ite ia													
T L	**20**	16	20	18	17	18	20	14	19	19	10	17	8
R Q E	**100**	85	99	80	75	85	73	50	85	85	60	80	70
T R PARCS F S	**400**	326	386	343	240	312	301	206	328	262	164	263	244
K P	**100**	70	99	100	65	95	80	65	95	70	30	80	77
C P	**200**	122	157	133	177	178	178	149	157	149	175	179	177
F I R	**30**	30	30	30	20	25	15	25	25	23	15	25	30
P A CCDC C T	**0**	45	45	45	45	42	45	40	45	40	40	40	40
P D , P I	**100**	85	90	85	70	80	80						
T	**1000**	779	926	834	709	835	792	549	754	648	494	684	646
	1000	2539			2336			**1 1**			**1 24**		
		1	1	1	2	2	2	3	3	3	4	4	4
AVERAGE		846.33			778.67			**0.33**			608.00		
Ra i		1			2			3			4		