

**Department of Accounting and General Services  
Automotive Management Division  
BID-02-AMD-2023**

**AUTOMATE PARKING GARAGE MACHINES  
AND PARKING PAY STATIONS**

**Delivery location:**

**869 PUNCHBOWL ST. SUITE -A  
HONOLULU, HI 96813**

**Attach a word doc. or PDF proposal with a bid for each delivery date.**

**This solicitation will have FOUR DELIVERY dates. All contracts can be canceled/terminated by AMD, due to the availability of funds and the needs of the State as determined by AMD. All equipment must be able to communicate and work with VENVUE services and servers. All existing equipment and software have restrictive specifications, see additional requirements and specifications.**

- 1. Provide and deliver Parking Pay Stations and extra parts for the locations below.**

***HILO LOT***

- Two (2) parking pay stations: AC powered with bill acceptance, 1,000 capacity locking bill cassette, coin acceptor, high-speed thermal printer, pay by license plate keyboard, match existing/current platform, online credit card option including modem, wireless cellular and dual head reader, programming to existing State of Hawaii Rate Table & venVUE account, set up to existing venDIRECT account.**

- Four (4) extra lockable coin bags.
- Four (4) extra locking bill cassettes with 1,000 bill capacity.
- Four (4) additional keys for external door locks. coded differently from existing locks.
- Sixteen (16) rolls of receipt paper.
- One (1) installation and repair manual.

### ***MAUI LOT***

- Two (2) parking pay stations to include: bill acceptance, 1,000 capacity locking bill cassette, coin acceptor, high-speed thermal printer, pay by license plate keyboard, match existing/current platform, online credit card option including modem, wireless cellular and dual head reader, programming to existing State of Hawaii Rate Table & venVUE account, set up to existing venDIRECT account.
- Two (2) Solar Power Kit.
- Four (4) extra lockable coin bags.
- Four (4) extra locking bill cassettes with 1,000 bill capacity.
- Four (4) additional keys for external door locks coded differently from existing door locks.
- Sixteen (16) rolls of receipt paper.
- One (1) installation and repair manual.

### ***MAKAI LOT A GARAGE***

- One (1) parking pay station: AC powered with bill acceptance, 1,000 capacity locking bill cassette, coin acceptor, high-speed thermal printer, pay by license plate keyboard, match existing/current platform, online credit card option including modem, wireless cellular and dual head reader, programming to existing State of Hawaii Rate Table & venVUE account, set up to existing venDIRECT account, Keys coded the same as existing locks.
- Two (2) extra lockable coin bags.
- Two (2) extra locking bill cassettes with 1,000 bill capacity.
- Eight (8) rolls of receipt paper.
- One (1) installation and repair manual.

**LOT D**

- One (1) parking pay station to include: bill acceptance, 1,000 capacity locking bill cassette, coin acceptor, high-speed thermal printer, pay by license plate keyboard, match existing/current platform, online credit card option including modem, wireless cellular and dual head reader, programming to existing State of Hawaii Rate Table & venVUE account, set up to existing venDIRECT account, Keys coded the same as existing locks.
- One (1) Solar Power Kit.
- Two (2) extra lockable coin bags.
- Two (2) extra locking bill cassettes with 1,000 bill capacity.
- Eight (8) rolls of receipt paper.
- One (1) installation and repair manual.

**LOT DH**

- One (1) parking pay station: AC powered with bill acceptance, 1,000 capacity locking bill cassette, coin acceptor, high-speed thermal printer, pay by license plate keyboard, match existing/current platform, online credit card option including modem, wireless cellular and dual head reader, programming to existing State of Hawaii Rate Table & venVUE account, set up to existing venDIRECT account.
- Two (2) extra lockable coin bags.
- Two (2) extra locking bill cassettes with 1,000 bill capacity.
- Eight (8) rolls of receipt paper.
- One (1) installation and repair manual.

**Delivery date for above 04/28/2023 – 06/30/2023**

**2. Provide parking automation for the South Street Garage (Lot R) located at 564 Pohukaina Street Honolulu, HI 96813.**

- One (1) Entry QR code ticket vending/issuance station, gate pulse with audible instructions.
- One (1) Pay in-lane/exit automated pay station with QR code reader, bill acceptor, 1,000 capacity cassette, gate pulse, and audible instructions.

- One (1) pay-by-foot automated pay station with QR code reader, bill acceptor, 1,000 capacity cassette, and audible instructions.
- Twenty (20) Sleeves, ticket stock, 1,000 count each.
- Two (2) credit card readers.
- Three (3) hardwired or wireless cellular modems.
- One thousand (1,000) magnetic stripe cards, blank multi-use validation.
- Two (2) Spare kits. Spare components include printers, dual-head credit card readers, coin acceptors.
- On-site setup, programming, and training.
- Three (3) Smart device plate enforcement applications, must include device and app.
- Four (4) Extra locking bill cassettes. 1,000 bill capacity.
- Four (4) Extra lockable coin bags.
- Two (2) Validation kits, QR Code Printer. Application with Android Smartphone, Zebra Printer & Annual Connectivity Hosting.

\*See “Additional Requirements and Specifications” on page 6.

**Delivery date for above 07/01/2023 – 04/20/2024**

### **3. Online Permitting System**

- One (1) online permitting module setup, white labeling, and 3<sup>rd</sup> party setup.
- Annual permitting subscription and 3<sup>rd</sup> party access fees.
- In-person or online training.

**Upgrades for Older Generation Ven Station Machines: Two (2) for Lot KP, One (1) for Lot V, and One (1) for Lot G2.**

- Four (4) upgrade kits to include: Upgrade controller platform, Dual head credit card reader, coin acceptor, printer, CA bracket, LCD, Cables & Decal, tilt panel face place with pay by license plate keyboard, on-site labor to provide upgrades at the location as specified.

**Delivery date for above 07/01/2024 – 05/20/2025**

#### **4. Citation Manager and Enforcement Program**

- **One (1) Enforcement Package must include: program, photo capture, Android handheld, printer, battery, charger, holster, strap, and citation roll.**
- **Eight (8) Kits to include: Additional android handhelds, printers, batteries, chargers, holsters, straps, and citation rolls.**
- **One (1) Citation Enforcement Program.**
- **Sixty-Four (64) hand-held device receipt paper rolls.**
- **Nine (9) Smart device plate enforcement applications, must include device and app.**

**Delivery date for above 07/01/2024 – 05/20/2025**

## **ADDITIONAL REQUIREMENTS AND SPECIFICATIONS:**

The Automated Multi-Space Parking Pay Station Machines (Automated Parking Payment Machine-APPM) shall be capable of selling parking time in a variety of rate calculation methods, accepting a variety of payment methods in Pay & Display and/or Pay by Space modes of operation, & Pay by License Plate. The system shall also be able, upon completion of charged rate, to provide a signal pulse to a gate arm, to raise a gate, for vehicle entry. The system shall provide the end user, with the entire interface features as described in each of the referenced sections above, without requiring any additional hardware or software to be added. The system shall be capable of utilizing 110vac to power the system as a whole or be able to fully function on a battery system utilizing solar power.

(APPM) shall be able to fully function in a standalone, single-unit, operation and in a multi-unit, networked environment, reporting to an offsite central database. The system shall provide, at the local machine level, a detailed paper audit trail and in a networked configuration, shall store detailed transaction and diagnostic data in the central database. The system shall be battery-backed up to provide full functionality for 48hrs of continuous operation in the event of a loss of main power.

(APPM) shall comply with PCI-PA-DSS VISA level 1 security requirements and be listed as certified compliant on the VISA PCI-PA-DSS website for validated payment applications.

(APPM) shall be capable of charging a Flat Rate, Variable Rates, or Screen Selectable Rates. The ability to change to any of the above rate calculation modes shall be an end-user function and require no additional hardware or software. The system shall be able to calculate a Flat Rate fee for parking for either a set length of time or to expire at a specific time of day. This Flat Rate shall be able to be shifted a minimum of 24 times a day (Midnight to Midnight) and provide a minimum of 14 rate-specific days that shall be able to be set to a specific day of the week (Monday - Sunday) or a specific calendar day of the year. The system shall be able to calculate a Variable Rate based on a "track" of picks. In the simplest sense, a track identifies a series of contiguous picks specified in a day which varies over time. A track shall be able to sell time based on a specific value for a specific amount of time or it can sell time-based on a set value for a specific time of day. The system shall be able to provide a Screen Selectable purchase choice of either a series of Flat Rates or Variable Rates or a combination of both. This Screen Selectable purchase shall be able to be shifted a minimum of 24 times a day (Midnight to Midnight) and provide a minimum of 14 rate-specific days that shall be able to be set to a specific day of the week (Monday - Sunday) or a specific calendar day of the year.

The system shall accept for payment of parking time all current versions of U.S.-issued \$1, \$5, \$10, and \$20 paper notes and all current versions of U.S.-issued

Nickels, Dimes, Quarters, and Dollar coins. Credit Card: The system shall accept for payment of parking time Visa, Master Card, American Express, and Discover credit cards including non-pin-based debit cards for pay-by-space or pay-by license plate applications and pin based for all other applications. The credit card processing capabilities for online credit card processing shall be networked, real-time credit card authorization. Networked real-time data collection and financial processing, post-authorization, or purchase with automatic daily settlements. System Shall allow for the end user to set the following credit card parameters. Off-line authorization mode with configurable transaction floor limits in cases where back-end authorization is temporarily unavailable. Optional Euro pay MasterCard NISA (EMV) Chip Card Acceptance Capable.

The system shall accept Pin/Coupon code payments for payment of parking time. Pin/Coupon Codes shall be able to be configured remotely. Pin/Coupon Codes shall be able to provide a 0% to 100% discount on a purchase. Pin/Coupon Codes shall be able to be enabled and/or disabled remotely. Pin/Coupon codes shall be able to be configured for purchases that are unavailable through any other form of payment. Pin/Coupon Codes shall have a detailed report module for their transactions/use. Pin/Coupon Codes shall be able to have floor limits set for the following. Total number or value of purchases by day. Total number or value of purchases for a specified period. Pin/Coupon Codes shall be able to be assigned to specific User Groups. User Groups shall be able to have multiple Pin/Coupon codes assigned to them. Loyalty/Stored Value Cards: The system shall be capable of accepting a proprietary card for the payment of parking time. Cell Phone Payment for Pay by Space: The system shall be capable of utilizing a third- party cell phone payment system.

The system shall have the capability for the end user to set the machine, locally if in standalone or remotely if networked, to function in a Pay & Display mode or Pay by Space mode of operation. This shall require no additional hardware or firmware to be added. Pay and Display mode shall be end-user definable, locally if in a standalone or remotely if networked, and offer all the rate calculation modes described in the section. Pay by Space mode shall be end-user definable, locally if in standalone or remotely if networked, and offer all different rate calculations. Pay by Space mode shall be able to have the following features.

Stall groups shall be able to be set to a specific day of the week (Monday - Sunday) or a specific calendar day. Stall Ranges up to 4-digit numbers. Pay by License Plate shall allow through an alphanumeric keypad, the ability to identify the purchaser by the input of a license plate number.

The system shall utilize one of the following network technologies. GPRS wireless data service on GSM networks such as AT&T/Cingular and T- Mobile. 1 XRTT wireless data service on CDMA networks such as Verizon and Sprint. Ethernet-wired data service on DSL, Cable, or satellite networks.

The case shall be constructed of a minimum of 10-gauge reinforced steel. The case shall have a weather-resistant design. Case design shall have a uniform, flush width from the cabinet top to the floor without indentions for pedestal bases or visible breaks in the cabinet compartments for a sleek aesthetic appearance. Case design shall be large enough to allow for easy removal of internal components, bill acceptor, coin acceptor, printer, etc.

The case shall have a locking system with a minimum of five locking points, requiring two keys to open. Optional reprogrammable electronic keying shall be available. The case shall have a built-in door and cabinet sensor suite for intrusion detection. The door open sensor shall be set to activate when the front door is opened 1/8" or more. The case shall be designed such that when mounted directly to the floor, the unit meets ADA height guidelines. The case shall be powder-coated standard grey with optional custom colors available. The cabinet is to be coated with a zinc protective anti-rust undercoating prior to the powder coat. The front of the case shall include an area with a minimum size of 14" x 14" covered with an attractive silkscreen graphic for the display of instructions and additional information. The case door shall feature a recessed clear Lexan cover providing protection for the display. The case shall be designed to bolt directly to a concrete base, with four 3/4" bolts. The case shall accommodate wiring entry through the bottom, or via conduit entry on the side or rear. The case provides optional tamper-resistant audible and/or silent alarms.

The display shall be a front-facing display, recessed behind a clear piece of a minimum of 3/8" Lexan for impact protection. Shall be a monochrome Liquid Crystal type, easily readable with a minimum size of W-6" x H-3.5". Display temperature shall be stabilized by a thermostatically controlled cooling fan, housed in an aluminum case. The display shall be backlit for improved readability during low/no light conditions. The font shall be 22.5 in size or larger, to provide improved readability.

The system shall provide both a 3x4 numerical keypad for stall entry and coupon code payment and a 1x4 keypad adjacent to the display for selecting both purchase options and maintenance options.

System Permit/Receipt shall utilize currently used thermal paper stock at the city with a width of 2 3/8" or provide cost to convert the current system to proposed ticket stock. System Permit/Receipts shall at a minimum display the following information. Unique receipt number, Transaction date and time, Cost of selected parking, Amount paid, Machine number/location, Last four of credit card, Auth code of credit purchase, and the Expiration time of parking.

Bill Acceptor shall be a two-part design allowing for the removal of a bill storage vault and be a secure design able to lock the bill vault into the machine and lock closed. Bill Vault shall be compatible with the existing bill vault or provide the cost to convert the existing two machines to the proposed bill vault. Bill Acceptor shall



accept all current versions of US \$1, \$5, \$10, and \$20 bills, accept bills in all four directions. Shall be able to vertically stack a minimum of 1000 bills. Optional 1500 Capacity. Include lockable, removable bill cassette. Be easily removed for servicing using a screwdriver. Utilize 12 VDC power for operation. Have configurable acceptance of bill denominations. Be upgradeable to accept changes in bill currency introduced by the mint.

(APPM) Shall provide for coin acceptance as a method of payment. Shall be able to accept all current versions of US nickel, dimes, quarters, and dollar coins. "Hot-swappable" - Can be installed and removed with power active. A coin hopper is an optional item that can be added at any time.

(APPM) shall have the option to incorporate a machine-readable ticket option for pay on foot interface of payment by calculation of time from an issued ticket upon entrance. Entry APPM shall issue a machine-readable QR-coded ticket. This ticket shall record the date and time of entry. POF/PIL APPM shall read dispensed entry and/or validation QR-coded tickets for fare due or validation value from 0-100% Optional remote/mobile validation kits shall include, a handheld device, printer, carrying case, and provide multi-pick validation QR-encoded tickets.

The (APPM) shall have the option of including a Bill Dispensing Unit for the purpose of giving back change due in bills. Shall provide two separate bill cassettes with optional denominations change to dispense.

The system must integrate/communicate with the existing VENVUE account, online credit card processing account, and VENSTATION network. The (APPM) shall interface with and report through the VENVUE online pay.

### **ADDITIONAL SPECIFICATIONS FOR LOT R**

Provide and install Parking Revenue Control System Ticket Pay Stations two (2) standalone systems and associated equipment. Lot R - South Street Garage is located at 564 Pohukaina St. Honolulu, Hawaii 96813.

Pay Stations: Provide two (2) Pay Stations inclusive of all construction, electrical work, conduit, and breakers as directed by Contract Administrator. Systems should be able to accept Cash denominations, pay by phone, and Credit/Debit card which shall be determined at a later date. Integrate with the current system or provide equipment to work in conjunction with the current POS system which will be retained as a backup in the event of a pay station failure. Pay Stations have the ability to track usage by Agency, Lot, date, time (duration), and revenue. Have to ability to reconcile daily, weekly, monthly, and annual reports at the station and through a remote computer system.

Provide two (2) electronic ticket validators. Validators shall be AC-powered and have the ability to track usage (validations issued) by Agency, Lot, date, time (duration), and revenue. Validators have to ability to reconcile daily weekly monthly and annually or comparable equipment machine

Garage Entrance / All equipment must be able to work with existing software and be able to communicate with VENVUE servers. Provide and install one (1) Mag-stripe or similar Ticket Dispenser with sequential numbering on parking tickets issued.

Optional automatic ticket issue upon vehicle loop trigger. Parking tickets shall be internally encoded in machine-readable format on mag stripe. The ticket dispenser can operate offline, without losing machine-readable capabilities. The ticket dispenser is programmable. The ticket dispenser has Dual Ticket Stacks for continuous ticket feed. When one ticket box is empty, the second ticket box shall automatically load and issue tickets. Intergrade with the existing system. Provide one hundred (100) additional ticket rolls. One (1) Vehicle Detector & Harness (Ticket Dispenser/Card Reader Arming) Use Existing Vehicle Presence Loop (Arming). The system should count entries/exits to prevent overselling of the lot. The system should prohibit entry when lot allocation/counts are exhausted. One (1) Reuse/Interface Existing Entrance Barrier Gate: Note: Re-using the current ticket dispenser is acceptable if applicable.

### **Installation of Booth Exit Lane**

Exit Booth Pay station. Leave the Existing Fee Machine and receipt printer as a backup in case of Pay Station failure.

Pay Station machines can operate online or offline without losing automatic fee calculation. The fee machine is field programmable to accept various validations for the time used. Pay Station shall open a barrier gate upon validation or payments.

One (1) Reuse/Interface Existing Exit Barrier Gate or provide a new gate.

The system provided does not interfere with the current employee entry and exit card system. All system parts and ticket stock shall be available to purchase locally and available within 24 hours.

Additional Pay Station installs at (Lot R) will be determined during a walk-through of the facility.

**Provide and install at Administration Office 869A Punchbowl St Parking Office - Online Parking System download to run reports. We must be able to communicate with VENVUE servers.**

- Online - to monitor pay stations journal tape, by operators, date/time, starting and ending transactions numbers, number of transactions by type, total sales, total cash, short amount, total validations used, net earnings, cash in, total sales each rate, number of manual transactions and exception transactions.
- Parking usage report, cashier summary report, validation report, and daily lane report. Monitors all fee machines, revenue transactions, events, and activities.
- Reports should be able to be viewed and printed online or locally.
- Communication Converters to connect all parking devices online to the parking server.
- Note Integration and retaining of current software and hardware system are acceptable.
- printer refillable ink cartridge tanks A3 paper or comparable

### **BIDDER REQUIREMENTS:**

All materials supplied by the Bidder shall be new of the like kind specified. Materials, supplies, and equipment not conforming to the specifications, including substitutions not properly approved or authorized, are defective and will be rejected by the Automotive Management Division.

This warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Bidder, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage.

The Bidder must present the Automotive Management Division with two (2) copies of any manufacturer's warranty or guarantee information. The Bidder guarantees against any faulty materials or workmanship for a period of one (1) year after final payment. Any such defects must be corrected, either through repair or replacement, at the Bidder's expense.

The successful Bidder warrants to the Automotive Management Division that all materials, supplies, and equipment furnished will be of good quality and new unless otherwise required or permitted by the Specifications, that the materials, supplies, and equipment will be free from defects not inherent in the quality required or permitted, and that the materials, supplies, and equipment will conform to the Specifications. Materials, supplies, and equipment not conforming to the Specifications, including substitutions not properly approved or authorized are defective and will be rejected by the Automotive Management Division. This warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Bidder, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage.

The prices submitted shall include:

1. The cost of materials, labor, and equipment either specified, or necessary, for the implementation of the work as described above. Subcontracted labor, equipment, or materials should be clearly identified.
2. The cost of any material and/or labor which is not specifically described, but which is necessary to complete the Contract, including project administration costs.

Bidders are requested to notify the Automotive Management Division of any errors and omissions discovered in the bid documents. If an error or omission is discovered after the bid opening, the Automotive Management Division reserves the right to determine whether to require the submission of new bids. Such decisions are final and not subject to recourse. All bids shall be submitted in the HIEPRO system that includes a bid for each delivery date and inclusive of applicable taxes.