CITY OF LEAVENWORTH WASHINGTON

REQUEST FOR PROPOSALS (RFP)
FOR
PARKING EQUIPMENT & MANAGEMENT SERVICES

Bid Proposals due Thursday, November 14, 2019 at 2:00 PM

Leavenworth City Hall
700 US Hwy 2 / P.O. Box 287
Leavenworth, WA 98826

TABLE OF CONTENTS

GENERAL

The City of Leavenworth, Washington invites sealed responses to Request for Proposal (RFP) for Parking Equipment and Management Services. The purpose of this solicitation is for the City of Leavenworth to select a firm, or partnering firms, to provide the City with metering equipment (single, dual, and multi-space), vehicle sensor equipment, citation issuance equipment, permit management, pay by cell services with integrated guidance applications with related software and services, and optional elements as described. It is the City's preference that proposals are comprehensive and deliver a full suite of services, either through a single provider or through a partnership of integrated service providers. Firms submitting a limited response to specific categories of services will be required to demonstrate, in its proposal, that providing a limited category of services is in the best interest of the City and its parking operations.

PROJECT BACKGROUND

The City of Leavenworth has 250 paid parking spaces in four (4) City owned surface lots operating with pay and display kiosks. The City's 403 on-street parking spaces within the commercial area are currently not timed except for eleven (11) 30-minute on-street parking spaces. The City will be implementing an actively managed pay parking program that includes the current pay and display surface level lots, on-street metered parking to approximately 403 spaces, with the addition of the multi-space/single-space meters in this proposal. The City is requesting proposals for new parking meter technology for new installation, the expansion/replacement on the number of parking kiosks for parking lot management, and the installation of vehicle detection sensors. It is assumed that all equipment will be able to interface with all other components.

The proposed new parking meter technology will:

a) Provide a wireless system for communication between the individual pay stations and the central computer, and enforcement hand held units.

b) Create a more convenient and user-friendly parking system for visitors and residents parking in the downtown, by allowing multiple forms of payment at the meters, and information on available parking locations.

c) Integrate the new dual-space and single-space meters with the pay stations and pay by cell solutions with integrated guidance app.

d) Provide new parking enforcement software, along with recommended equipment for enforcement, to meet the City's various current and long-term parking enforcement needs.

The new parking meter technology will enhance the City's current parking system and support all specifications and requirements identified within this RFP. The City is seeking a vendor that will provide both solution and implementation services, as well as training and support.

SCOPE OF SERVICES

Parking Meter Technology Solution Proposal

The City of Leavenworth requests proposal submissions for a parking meter system, Vehicle Detection Sensor, pay by cell, and either the addition or replacement of parking kiosks. The meters and kiosks must have the ability to be managed and monitored remotely. The enforcement component must work with the meter system providing future mounted vehicle cameras, hand held software, and all software to run the back-office system.

There are 10 main areas that the Parking Meter Technology Solution proposal should address. Proposals should provide technical specification and estimated pricing:

1. Single-Space and Dual-Space smart meter hardware proposal specifications, including all components and materials;

2. Single-Space and Dual-Space smart meter software proposal components and capabilities, including web-based back office application;

3. Pay Station hardware proposal specifications, including all components and materials;

4. Pay Station software proposal components and capabilities, including web-based back office application;

5. Vehicle Detection Sensors proposal including components and capabilities, including web-based back office applications;

6. Enforcement hardware proposal specifications, including all components and materials;

7. Enforcement software proposal components and capabilities including web-based back office;

8. Pay by Cell Solution with integrated parking guidance app;

9. Training and support;

10. After sales support;

11. Warranty.

The City of Leavenworth (City) is looking to work with one vendor; therefore, vendors must address in their proposals how they will be able to provide all equipment, software, and services, or be able to partner with various vendors to provide the requested equipment and software. The contract for each type of device shall be a firm fixed-price contract, with equipment batch payments, ongoing monthly communications, management system and credit card processing fees, and liquidated damages/credit assessments in accordance with the terms of the contract. No cost adjustments will be made for the base term of the contract. A single contract will be drafted for the entire procurement scope. The contract award is subject to approval by the Leavenworth Parking Advisory Committee and the Leavenworth City Council. The contract shall have an original term of five (5) years. In addition, City shall have the option to extend the term for a period of up to two (2) years, which City may exercise in its sole, absolute discretion.

CONTENT REQUIRED

Firms interested in responding to this RFP must submit the following information, in the order specified below:

1. **Introduction and Executive Summary (up to 2 pages)**

Submit a letter of introduction and executive summary of the Proposal. The letter must be signed by a person authorized by your firm to obligate your firm to perform the commitments contained in the Proposal. Submission of the letter will constitute a representation by your firm that your firm is willing and able to perform the commitments contained in the Proposal.

2. **Firm Qualifications and Experience (up to 5 pages)**

Provide information on your firm's background and qualifications that address the following:

a. A description of two to four procurement projects of similar scope by your firm, including the name and address of the client agency, the year(s) of the procurement, and the number of devices in the procurement. At least two projects must have commenced within the last seven years. Descriptions should be limited to 1/2 page for each project. If joint consultants or sub-consultants are proposed, provide the above information for each.

b. Provide references for the projects listed above, including the name, address and telephone number of at least two of the client agency's contacts capable of commenting on your firm's performance. The City of Leavenworth reserves the right to contact other agencies or individuals not listed by the proposer.

c. Provide a description and a resume identifying the proposed on-site program manager, along with a written assurance that the individual identified will be performing the work and will not be substituted with other personnel or reassigned to another project without the City's approval.

3. **Proposal Deliverables -- up to 20 pages** Provide a thorough response for each Proposal Deliverable identified in the Parking Meter Technology Solution Identified above. You may use the checklist in the Proposal Form as an outline for your responses (*see page 34*.)

4. **Cost Proposal --** The City intends to award this Contract to the firm that it considers will provide the best overall program of services. The City reserves the right to accept other than the lowest priced offer and to reject any Proposals that are not responsive to this request. Proposers will be provided with a spreadsheet itemizing each cost element. Please populate spreadsheet and provide in a sealed envelope marked "Parking Meter / Pay Station Cost Proposal."

RESPONSES DUE

Sealed proposals will be received by the City Clerk at Leavenworth City Hall, 700 US Hwy 2 / PO Box 287, Leavenworth, WA 98826 until 2:00 PM on Wednesday, November 14, 2019. It is the bidder's responsibility to ensure that their sealed proposal clearly marked "Parking Meter / Pay Station Cost Proposal" is delivered to the City Clerk on or before 2:00 PM on November 14, 2019. Any untimely proposal will not be accepted or considered, regardless of the reason.

Opening Proposals at 2:01 PM on November 14, 2019.

All proposals will be publicly opened and acknowledged in City of Leavenworth Council Chambers, 700 US Hwy 2 at 2:01 PM. on November 14, 2019.

EVALUATION CRITERIA

The City will select the successful firm through an evaluation process based on the firm that meets the specifications that are outlined in this RFP. A review committee will review in detail all proposals that are received. During the evaluation process, the City may require a proposer's representative to answer questions with regard to the proposal and/or make a formal presentation to the review committee. The review committee will make a recommendation to award the contract based on the criteria set forth below. This contract will be forwarded to the City Council for final approval.

The evaluation criteria listed below will be used in the selection of the successful Proposer.

1. Qualifications and Expertise.

2. Organization and Completeness of Proposal.

3. Proposal design and installation process.

4. Preference will be given to firms that can provide all proposed components in house or firms that can guarantee all proposed components will work together.

5. Price.

SELECTION PROCESS

The City will select a firm on the basis of the responsiveness of the proposal to the RFP submittal requirements, the evaluation criteria stated above, and the demonstrated willingness to execute an acceptable written contract. The City reserves the right to reject any or all proposals, and to request written clarification of proposals and supporting materials from the Proposer.

While it is the intent of the City to award a single firm, the City reserves the right to award in part or in whole and to select multiple firms and/or individuals, depending on whichever decision is deemed to be most advantageous to the City.

Errors, Omissions, Clarifications

All questions and requests for clarification relating to the RFP, the RFP process, and/or identification of any errors or omissions in the RFP documents shall be directed in writing to:

Contact: Joel Walinski

Email: Jwalinski@cityofleavenworth.com

Questions or request for clarification must be received on or before October 31, 2019 and responses will be provided to all prospective Proposers on or before November 7, 2019. Response can only be provided to vendors on the Prospective Proposers List who have provided proper contact information. Vendors who wish to be placed on the Prospective Proposer List must email Joel Walinski at jwalinski@cityofleavenworth.com or fax (509) 548-6429 with contact information.

SPECIFICATIONS FOR SMART METERS - *SINGLE, DUAL AND MULTI SPACE CONFIGURATION*

Smart Meter Mechanism

Respondents shall confirm their compliance and describe their proposed Smart Meter solution as it relates to the following minimum device specifications, features and functions:

Physical

1. Shall fit in standard meter housings

2. Shall be securely protected under a traditional single-space meter housing cap and dome.

3. Shall be able to operate without failure under a variety of weather conditions, including but not limited to humidity, snow, sleet, rain, sand, road grime, street vibrations, and temperatures from -40F to 185F.

4. Shall include a tactile key panel with appropriate buttons for intuitive payment navigation.

5. When installed, the meter must be ADA compliant without having to cut the meter poles.

6. Frame shall be manufactured using only new materials.

7. Payment Options.

8. Shall be able to accept credit cards, debit cards, and smart cards. It is the City's intent NOT TO ACCEPT COINS OR TOKENS; however, meters shall be upgradable to coins in the future if needed. Please describe any operating issues, features, or differences associated with not accepting coins.

9. Shall be able to display mobile phone payments on the meter without degrading battery life.

10. Shall have only one card slot with hybrid card reader for payment by credit, debit, and smart cards.

11. Card reader shall be easily and quickly field serviceable and replaceable without the use of special tools.

Payment Processing

Must process all credit and debit card transactions through the City's contracted merchant processor.

Configuration Options

Shall be configurable to accommodate:

- Single-space configuration;

- Dual-space configuration; or

- Multi-space configuration.

Please describe any operational features or differences from these configurations.

Card Reader

1. Moisture, grime, heat or cold shall not disable the card slot.

2. Card slot shall be functional in all weather, including rain, and shall not be disabled by water or other liquid.

3. Card reader shall be a hybrid magnetic-stripe and contact smart card reader.

4. Card reader shall be compatible with all ISO standard magnetic-stripe card readers, including VISA, MasterCard, American Express, and Discover.

5. Shall provide PCI-compliant real-time credit card authorization.

6. Obstruction of card slot shall not render meter inoperable.

7. Mechanism shall default to "Mobile Payment App Only" condition whenever card payments are unavailable.

8. The time/amount that the meter defaults to upon insertion and removal of a credit card shall be customizable.

9. Motorists shall be able to increase/decrease the amount of parking time/amount being requested.

10. Motorists shall always be able to cancel the transaction without penalty, prior to accepting the transaction, or allow the default time period to pass without action.

11. Payment Card Industry (PCI) Compliance.

12. Vendor must provide proof of PCI PA-DSS (Payment Application-Data Security Standard) certification applicable to their solution.

13. Vendor must provide proof of PCI-DSS certification applicable to their solution

14. Power.

15. Mechanism must have a rechargeable battery that lasts 9-12 months between charges.

16. Mechanism cannot be powered by non-rechargeable batteries unless the cost of replacement of non-rechargeable batteries and any components damaged by depletion of non-rechargeable batteries is included in a five-year warranty as part of the base price of the meter.

17. Mechanism shall retain configuration data during battery removal and/or exchange.

18. Battery shall be easily replaceable without the use of tools – please indicate how many screws and fasteners must be removed to replace the battery in the field.

19. Battery must be located in a battery compartment separate from the rest of the mechanism.

Display

1. Display shall be TFT-LCD panel with high resolution, high contrast graphical display, with ultra-low power consumption or equal.

2. Graphical display shall support custom graphics and text in any location on the screen, unlike character-driven displays.

3. Mechanism shall use Liquid Crystal Display (LCD) technology and/or LED technology or equal.

4. The LCD shall utilize a LED backlight for sufficient lighting at night with minimal power draw.

5. The backlight must have a programmable time of day setting.

6. The backlight shall have a programmable duration setting, activated upon coin/card insertion or pressing of keypad.

7. Display shall support "Out of Order" and "No Parking" notification symbols.

8. Display, card reader, and keypad shall be accessible and visible by users to support ADA compliance.

LED

1. Mechanism shall be equipped with "Super Bright" LED lights on both sides, for nighttime enforcement. Mechanisms shall also be able to disable LED lights.

2. Shall have green, yellow, and red LEDs to indicate valid parking time, grace period, and expired.

3. LEDs shall be visible at a distance of 85 feet during periods of darkness.

4. LEDs shall flash at approximately one-second intervals when legal parking time is displayed.

5. Internal Time Keeping.

6. Mechanism shall include 365-day calendar real time clock.

7. Mechanism shall be fully programmable for automatic daylight savings time change.

8. Mechanism shall support linear and complex rate structures.

Data Key

1. Mechanism shall have insertable USB Data key that stores meter location and programming information or equal.

2. Meter swaps shall be easily accomplished in the field by switching USB Data key between mechanisms.

    a. **Communications.**

        1. Communicates via 3G/4G and/or LTE networks.

2. SIM card shall be removable without any special tools.

Meter Management System

The Vendor shall provide a comprehensive meter management system that will comply with the following software requirements:

1. Solution shall be web-based and fully hosted by the Proposer.

2. System shall provide for secured multi-user access.

3. The Vendor shall support secure (encrypted) credit card data transmission to the City's preferred merchant account provider.

4. Credit card data transmission shall meet the Payment Card Industry (PCI) Data Security Standards; vendor shall provide evidence of PCI-DSS Level 1 certification.

5. System shall provide for real-time alarm and status reporting for system monitoring and maintenance.

6. System shall provide for meter configuration, updates, and rate programming.

7. System shall provide for real-time and historical management information reporting.

8. All payments received at the mechanism must be immediately (in real-time) reported to the Centralized Management System, enabling wireless enforcement.

9. System shall provide two-way wireless communications allowing remote updates of meter software, configuration, and rate programming.

10. System shall have a mobile maintenance component to assist field staff with routing maintenance functions.

Project Management and Implementation

1. The Vendor shall provide a structured approach and plan for project implementation as well as ongoing support.

2. Vendor shall provide a comprehensive approach for implementation, testing, and acceptance.

3. Vendor shall provide required staff, management, and supervision necessary to successfully fulfill the contract.

4. Vendor shall participate in project status meetings as required.

Ongoing Support Services

The Proposer will describe its solution for the provision of ongoing system administration, including but not limited to:

1. System and data security management.

2. Replacement devices.

3. Spare parts.

4. System upgrades and enhancements.

5. Customer service.

6. Warranty.

7. Maintenance.

Vehicle Detection Sensor

The Smart Meters shall be integrated with Vehicle Detection Sensors meeting the following requirements:

1. Must be highly accurate, providing session accuracy of 99% or higher in all operating configurations.

2. Must be available in multiple form factors to accommodate varying areas of installation, including subterranean, pole-mount, and curb-mount. Due to accuracy concerns, dome-mount sensors are not desirable.

3. Must determine a change event and communicate to meter or server within an average of 10 seconds of the change.

4. Given the well-established limitations of magnetic detection, the sensor may not use magnetometers as the primary detection technology.

5. Must share occupancy data with various mobile applications, websites, and variable message signs at no extra cost.

Other Smart Parking Technologies

Given the fast pace of technology development, please provide information about any other Smart Parking technologies, features, or benefits that the vendor offers or that can be realized by deploying the vendor's solutions. Please include the price of any such technologies, if available.

MULTI-SPACE PAY STATION WITH WEB-BASED MANAGEMENT SYSTEM

*Pay Station and Multi-Space Parking Meter to be used interchangeably

MULTI-SPACE PAY STATION SPECIFICATIONS

GENERAL SPECIFICATIONS

Multi-space pay stations shall have the following primary features.

1. For superior protection against weather and vandalism, pay stations must feature a stainless steel cabinet and armored glass, or other vandal resistant screen covers, such as Lexan, as standard features.

2. Pay stations shall be capable of accepting payment via credit card, debit card, contact smart card, and optional NFC contactless payment at the pay station. Credit cards shall include Visa, MasterCard, American Express, and Discover payment capabilities at a minimum.

3. Pay stations shall be wirelessly networked via the cellular network and connected to a web-based management system. No wireless communication hardware is to be installed on street/utility/traffic light poles other than the pay station itself. No additional customer software other than an Internet browser shall be required to access the management system.

4. Hybrid AC / Solar power operation must be available.

5. Battery must be commercially available. The machine should not need more than 1 battery.

6. Battery life under normal operating conditions shall be 24-36 months.

7. Pay stations can wirelessly notify parking operations staff of any faults, such as a card reader malfunction, via a text message, email, or both.

8. In addition to PCI-DSS and PA-DSS requirements, for the further protection of cardholder security, no credit card information shall be authorized, transferred, or stored outside of North America.

9. The equipment should be capable of using a payment activated open/close switch for turnstile access control.

OPERATION AND RATES

The following rate and operating characteristics shall apply to all pay stations:

FIXED RATE – Same rate all day, for select/every day(s) of the week. Pay Stations can be remotely programmed for holidays, special events, or other rate changes via the web-based management system and will not require City staff to interface with the pay stations to accomplish such a rate update.

MULTIPLE-RATES – Varied rates throughout the day, with a minimum of 7 times, and the ability to increase this up to 12 times. This can include Tow-Away, No Parking, or Free Parking options, in addition to hourly parking rates for normal metering time. Pay stations can be remotely programmed for holidays, special events, or other rate changes via the web-based management system and will not require City staff to interface with each individual pay station to accomplish such a rate update.

PRE-PAY – Allow a motorist to pay for parking prior to the beginning of enforcement hours, up to the maximum stay period. However, metered time will only start at beginning of enforcement hours. For example, a 2 hour pay station can be fully paid prior to the beginning of enforcement at 8:00 AM. In such an example, metered time would only begin at 8:00 AM and expire at 10:00 AM. Pay stations can be remotely programmed for holidays, special events, or other rate changes via the web-based management system and will not require City staff to interface with each individual pay station to accomplish such a rate update.

TOW-AWAY – Pay stations can be programmed to enforce defined tow-away zones. During the tow-away period, the pay stations will not accept credit card payment. The pay stations shall be capable of displaying "Tow-Away Do Not Park" on the LCD screen. In

such a configuration, motorists will only be able to pay for time up to the beginning of the tow-away period. Changes to this feature can be remotely programmed via the web-based management system and will not require City staff to interface with each individual pay station to accomplish such a rate update.

EVENT PARKING – Pay stations can be programmed to accept event parking rates, such that flat rate payment will enable the vehicle to park for a pre-determined amount of time. For example, $15 for a baseball game, such that the rate begins at 5:00 PM and the $15 results in the space being paid for the duration of the event.

The pay station shall be capable of displaying the rates per hour, maximum stay (time period), and other customized messages or graphics on the pay station's LCD in English and other languages.

Changes/updates to all rate structures, maximum stay (time limits), available payment methods, and hours of parking operations (enforcement) shall also be managed and updated via a web-based management system, providing remote management capability.

GRAPHICAL DISPLAY

1. Display must be high quality, color VGA, LED backlit, liquid crystal display.

2. Display image and resolution must be at least 640 x 480 pixels.

3. Screen must show dark letters on light background.

4. The screen shall be large enough, (at a minimum, must provide up to 15 lines of text with up to 32 characters per line), to support dynamic messaging functionality to reflect changes in pricing, regulations, display messages, format, or configurations made in the management system in English and other languages.

5. Current time and date must be shown at start.

6. Display must identify time increments (i.e. by minute or hours) or money increments.

7. Display must identify the expiration time & date before purchase.

8. The displays must be remotely programmable via web-based data management system, such that staff is not required to be present at the pay station for changes to be made.

9. Display must go into sleep mode in battery operation.

10. Pressing any key/button must bring the meter out of "sleep" mode.

11. The display shall be protected by armored glass or other vandal resistant cover such as Lexan, (minimum thickness 6.35 mm) in order to provide superior protection against vandalism.

PRINT TECHNOLOGY

1. Must use thermal print technology.

2. Life cycle of the print head should be no less than 20 million character lines and 50 km of Paper.

3. Print technology must use blank ticket stock in rolls.

4. Tickets must be separated by a self-sharpening cutter.

5. Ticket stock must be replaceable within one minute.

6. Ticket stock must be heat, fade, and curl resistant.

7. Meter must provide for an optional receipt portion on a ticket.

8. Printer Jam must cause remote alarm.

KEY PAD

1. Shall include feature buttons configurable for help screens, additional languages, maximum time, etc.

2. The Pay Station must have an alpha numeric tactile key pad.

3. The key pad must be vandal resistant, weatherproof, and corrosive resistant.

4. The key pad must be modular and easily unplugged and removable with basic tools for servicing.

5. Key pad activation must present audible indication.

CABINET

1. The cabinet of the pay station shall be comprised of stainless steel (11 gauge or better), rendering the unit highly weather resistant, maintenance free, and vandal resistant.

2. The exterior surface must have a powder coating for easy cleaning and graffiti removal.

3. The pay station must have separate compartments for maintenance and collections.

4. The units must be vandal resistant and have recessed door hinges.

5. All doors must be equipped with sensors that will send notification, in real time, to the back office software alerting the doors are being opened or closed.

6. Custom colors must be available.

7. Must meet ADA and UL standards.

8. Bolts, meter to pedestal, and anchors must be internal.

PAY STATION LOCKS AND SECURITY

1. For advanced protection against vandalism, the multi-space pay station shall be protected by a six (6) point or more secure locking system.

2. The pay station cabinet and coin vault shall feature separate keys and the collection vault shall provide a dual locking system.

3. All doors (including maintenance access and cash vault) and coin box shall be equipped with switches/sensors to enable remote monitoring.

4. Locks must be flush mounted or hidden.

5. Locks must have anti-drill protection.

6. Must use Medeco High Security locks or equivalent.

POWER

1. Hybrid AC / Solar power must be available.

2. Battery must be commercially available. The machine should not need more than one battery.

3. In an AC operation, battery must act as the main power source.

4. Temperature operating range of the battery must be -40F to 185F.

5. Battery voltage/amps must be able to be checked externally without opening the meter.

6. Low battery must be treated as a remote alarm function.

7. Battery in solar configuration must be stored independently of all other meter components.

8. 220 C option must be available.

9. AC power must be run through an AC charger and a rechargeable 17 Ah or greater battery to keep power flow steady and surge free.

10. Battery in Solar configuration must be at least 40 Ah.

11. Solar panels must be separately mounted.

12. Must use appropriately sized panels to ensure maximum solar harvesting and uptime.

13. Must meet military environmental standards for solar powered operation.

14. Flash Memory, clock, configuration, etc. must be able to re-sync with a central server when power is restored.

15. A low battery remote alarm indicator shall be included to facilitate timely replacement of batteries.

16. For environmental reasons, Nickel-Cadmium batteries shall not be used to power the pay station.

Please describe any unique power management capabilities that your machine possesses.

CREDIT CARD PAYMENT

1. Payment with a credit card must utilize a hybrid card reader. The hybrid card reader will allow for use of both magnetic-stripe credit card and smart card. Users will insert (smart card) or insert/remove (credit card) the card to start the payment process. Users will then have the ability to toggle up (add time) or down (less time) to select the amount of time to be purchased, up to the maximum and down to the minimum metered time. Users can then select "OK" to purchase, or can press "CANCEL" to stop the transaction.

2. The Vendor shall provide secure gateway service to provide for secure (encrypted) credit card data transmission to the City's merchant account provider. Credit card data

transmission shall meet the Payment Card Industry (PCI) Data Security Standards. Vendor shall provide evidence of both Payment Application (PA-DSS) compliance and PCI-DSS Level 1 certification. The Vendor must comply and be listed as a valid service provider for the Visa Cardholder Information Security Program (CISP) and the MasterCard Site Data Protection (SDP) programs. The vendor must be Level 1 PCI certified and submit supporting documentation as part of their submission.

3. For ease of installation and security, the credit card reader shall be integral to the mechanism design, shall not protrude from the pay station cabinets, and shall not require any additional modification to the cabinet to install.

4. Credit card authorization must be on an on-line real time process.

5. Complete card data must never be retained in the meter.

6. The credit card reader must be easily unplugged and removed for service and repair.

7. Please provide a breakout of the cost that will be associated with each transaction that the pay station will accept. Please include any third-party gateway fees if applicable.

8. Must accept Visa, Mastercard, American Express, and Discover credit cards.

9. The credit card type must be configurable through software by owner.

10. Meter must not batch any transactions, real-time transactions only.

11. Credit Card process must be certified PCI/PADSS.

12. Card acceptance can be configured to limit times used per time period.

13. Card slot must be protected from vandalism, weather, etc.

RECHARGEABLE STORED VALUE CARDS

1. Card reader must accept both magnetic-stripe cards (ISO 7810) and smart cards (ISO 7816).

2. Stored value card MUST use the same card slot as standard credit cards.

3. Stored value card MUST be rechargeable at any meter.

4. Must be able to perform split transactions using a stored value card.

MAINTENANCE

1. Meter must have self-diagnostic features.

2. The CPU must be modular and easily changeable with basic tools.

3. The CPU must support thousands of transactions in the non–volatile flash memory.

4. Credit card reader must be modular and easily changed with basic tools.

5. Key pad must be modular and easily changed with basic tools.

6. Printer must be modular and easily changed with basic tools.

7. Display must be modular and easily replaced with basic or no tools.

8. Connection plugs must be physically different and only fit one way.

9. The Maximum time required to change a modular assembly should be less than 2 minutes each.

ENFORCEMENT

In Pay-By-Space mode, enforcement staff must be able to print a report of expired or paid spaces at the meter.

The enforcement staff must also have the option to retrieve the expired or paid stall reports directly from MMS remotely by browser capable devices (handheld computers, cell phones, etc.)

In Pay-By-Plate mode, enforcement must be able to print a report of valid plates or expired plates at the meter and also have the option to retrieve the same data directly from MMS remotely by browser capable devices, (handheld computers, cell phones, etc.)

WIRELESS DATA AND MANAGEMENT SYSTEM CAPABILITIES

1. Each multi-space pay station, single/dual space parking meter shall communicate to the same web-based management system.

2. Each pay station shall be individually capable of transmitting wireless data for the purposes of payment card processing, updates to the operating features, and rate configuration of the pay station, as well as fault notification. The wireless capability must be integral to the pay station design and shall not require a secondary connection to a wireless device. Such communication will be accomplished without any additional networking equipment that would need to be installed on city street poles or any other location, such as buildings, etc.

3. Updates to the pay station software, such as meter firmware and operating software, must be able to be performed wirelessly and will not require City staff to interface with each individual pay station to accomplish such an update.

4. The pay station's data management system shall not be dependent on the interaction of individual handheld devices and each pay station in the field. Management system shall be a completely web-based system accessible via desktop computer, laptop computer, or handheld wireless device by authorized personnel. No additional software, other than an Internet browser, shall be required for the management system to be accessed and fully used in conjunction with the single-space parking meter products. This shall provide access to the pay station's data management system from authorized user 24/7 over the web.

5. Management system shall provide a variety of reports to include financial, technical, and administrative functions via a single web-portal. No additional software will be required to access and update the pay station's data management system, other than access to an Internet browser. Reports shall include, but are not limited to:
   a. Credit card reconciliation (daily, weekly, monthly, annually).

b. Revenue Summary reports (daily, weekly, monthly, annually, by zone, route, street, or pole).

c. Individual transactions by pole.

d. GPS location of meters on a map with statistical mouse-over feature.

e. Ability to change text on LCD remotely o Adjudication Reports.

f. Ability to change rates and other operating parameters remotely via the internet.

g. Pay station uptime (over time, by zone, area, subarea, street, and by machine).

h. Maintenance software for logging Service requirements over time.

i. Paid occupancy reports.

j. Accumulative totals of all credit card transactions.

k. Exception reports for units not performing as required (communications or payment faults).

l. Access to help materials and user manuals shall be available on-line.

m. Search tool to quickly determine status of any given pay station.

n. Graphical dashboard that can be customized to provide snapshot of key performance indicators

MMS should support both multi-space and single space wireless meters from the same platform.

MMS should be widget-based open source technology for ease of integration with third party applications.

ADDITIONAL DESIRED FEATURES

Pay-by-Cell. The City would like the option to include a pay-by-cell phone option potentially in the future. Any meter system installed must have the ability to push any time purchased from a remote payment device or smart phone directly to the meter, such that the payment of the meter is transparent for the purposes of enforcement. Additionally, if so desired, a user may register for a service that would allow for delivery of a receipt after payment with a credit card, as well as a notification prior to meter expiration, for the purposes of adding additional time to the meter remotely, where public policy permits.

Meter Maintenance Application. With the use of a mobile device application for pay station maintenance, staff can easily log faults and repairs in the field from their cellular phone/tablet.

SMART PARKING REQUIREMENTS

Vendor must satisfy the following Minimum Requirements:

1. At least six (6) years' experience in North America providing mobility solutions, including payment processing by mobile application, Intelligent Voice Recognition (IVR), mobile web, head units of Original Equipment Manufacturers (OEMs), and/or personal computers (PCs).

2. At least 10 comparable active municipal contracts providing the abovementioned services.

3. Evidence that vendor currently processes at least 250,000 mobile parking transactions daily.

4. Evidence of active third-party integrations with parking space sensor providers, enabling end users to find available parking within the application's interactive map user interface.

5. Purchase of parking through vendor application must be transmitted in real-time to an identified enforcement and/or meter management back office.

6. All mobile parking payment processing must take place in a PCI-DSS v3.2 Level 1 Service Provider (or higher if applicable) secured environment.

7. **Vendor must hold PCI – DSS v3.2 Level 1 Service Provider certifications, not a third party that the mobile parking vendor has hired to satisfy this solicitation requirement.**

8. Must provide at least three (3) current public or private references for active mobile parking operations.

Vendor shall perform and provide these products and/or services under the terms of this agreement. The supplier shall assist the end user with making a determination of their individual needs. The following is a list of suggested (but not limited to) categories:

A. **Payment Options -** The mobile payment for parking system must have the following payment options:

1. Mobile payment system (IVR)

2. Pay by mobile application

3. Pay by web (PC)

B. **Pay by Mobile Application -** The vendor must provide smart phone applications with the following requirements:

1. Interactive Map functionality must have the following options:

   a. Search for available parking before arriving at destination.

   b. Location finding feature allowing customer(s) to identify their parking space from the mobile application's map.

   c. Provide mobile application customers with local amenities such as electric charging stations, restaurants, retail and event venues.

2. Amenities functionality must include the ability to filter options such as covered parking, height clearances, and RV parking.

3. Identify nearby multi-modal transportation options such as bus, rail, and streetcars.

4. Space Availability functionality must have the following options:

a. Clearly identify available parking spaces for customers in real-time for both on and off–street operations.

b. Allow customers to pay for identified parking in real–time.

c. Ability to turn feature on and off at customers discretion.

5. Ability to provide off-street reservations functionality consolidated in one mobile application with the following options:

a. Vendor must have the ability to develop and deploy individual customizable website landing pages for each off- street parking facility of a client.

b. Ability to reserve and pay for a specific parking space(s) for each off- street facility of a client (i.e., customer must be able to choose their parking down to space number).

c. Integrate real-time Interactive Map functionality for each off-street parking facility of a client.

d. Integrate real-time Space Availability functionality for each off-street parking facility of a client.

e. Ability to pre-select date, time, reserve and pay for off- street parking in real-time at any facility identified by the client.

f. Once parking inventory is purchased, space(s) must be immediately taken out of inventory to mitigate double-booking.

6. Mobile applications need to support existing and new Android, iOS, BlackBerry and Windows Mobile 7 versions, in addition to a browser version.

7. Applications can be downloaded from the Android Marketplace or Apple Store, or equivalent.

8. Applications can be downloaded or redirected from the vendor's website.

9. Upon logging in, the application must have the following options, with identical functionality to that of the IVR system:

a. Begin parking via GPS, QR Code, NFC, or manual entry.

b. Extend parking.

c. Check account balance.

d. Recharge account with credit card on file.

e. Manage account: Add, remove, or edit a credit card or vehicle.

f. Manage account: Select a primary vehicle.

g. Manage account: Add funds to the account from a credit card.

h. Transaction history showing all paid parking sessions by: Date and time, Duration, Rate, Total amount, Payment method, License plate number, Meter/block/zone ID.

10. For new or extended parking sessions, the application must:

   a. Remind the customer that the session is about to expire with a push notification on the phone. The user must be able to turn this feature on or off.

11. The application must have industry-level standards to encrypt and secure credit card.

C. Mobile payment for parking system (IVR) - The vendor must provide an IVR system with the following requirements:

1. Users can call a toll free or local number.

2. The system recognizes the user (account) based on the incoming number.

3. One account can be associated with multiple landline or cellular phone numbers.

4. The IVR system must recognize user inputs by touch tones and speech.

5. The IVR system must have menu options and dialog, including:

   a. Begin parking - One account can hold multiple vehicles (license plate numbers). The system must allow the user to choose a vehicle if multiple vehicles are on the account.

   b. Extend parking - The system must have the ability to restrict extensions that are beyond the maximum length of stay. The system must have the ability to reject purchases on the same block for a set amount of time after a maximum purchase.

   c. Sign up as a new user

6. If a user selects the option to begin parking, the system must:

   a. Prompt for a meter/block/zone ID.

   b. Query the parking system inventory to confirm that parking is permitted at the current time.

   c. Prompt for the time to park - The system must have the ability to impose a minimum time purchase. The system must have the ability to restrict purchases to increments of time. The system must reject an entry greater than the length of stay.

   d. Confirm that the purchase is complete.

   e. Prompt whether to remind the user that the parking session is set to expire with an automated SMS or email.

   f. Prompt for the number of minutes, prior to expiration, to send the reminder.

7. If a user selects the option to extend parking, the system must:

a. Verify that there is a currently active parking session.

b. Prompt for the time to extend.

c. Confirm that the extension is complete.

D. **Pay by Web** - The system must provide a website with the following requirements:

1. Customer must have the option to have a customized website or use the vendor's standard website.

2. Support desktop and mobile browsers.

3. When a user launches the website, it must:

    a. Prompt for the username and password (for registered users). The website must have the ability to save the username and password locally on the device (PC or phone) to expedite future logins.

    b. Provide an interface to sign up as a new user.

4. Upon logging in, the website must have the following options, with identical functionality to that of the mobile application:

    a. Begin parking. Extend parking.

    b. Check account balance.

    c. Recharge account with credit card on file. Manage account.

    d. Transaction history.

5. The application must have industry-level standards to encrypt and secure credit card and other personal data.

E. **Account Management** - The system must provide multiple ways for a user to manage his or her mobile payment for parking system account. This section contains the requirements for account management.

1. All interfaces for account management must have industry-level standards to encrypt and secure credit card and other personal data.

2. Users must be able to create and manage accounts through a website (desktop and mobile versions), mobile application, IVR system, and through a live customer service representative.

3. Users must be able to create new accounts with the following parameters:

    a. Username (email).

    b. Password.

    c. Phone number(s).

    d. License plate number(s).

    e. Credit card number.

   f. Billing name and address.

4. Users must be able to access a history of all transactions made on an account and be able to view reports and receipts showing:

   a. Date and time.

   b. Duration.

   c. Rate.

   d. Total amount.

   e. Payment method.

   f. License plate number.

   g. Meter/block/zone ID.

5. Users must able to configure reminders for session expirations, including the ability to:

   a. Enable or disable reminders.

   b. Configure the type of reminder (SMS or email).

6. When funding an account, the system must have the ability to impose a minimum charge/recharge amount.

7. The system must have the ability to automatically notify a user and/or recharge the account if the account balance falls below a certain amount.

8. The system must be able to support both pay per transaction and pay out of a "mobile wallet" models.

   a. The vendor must explain any difference in cost between these two models.

ADMINISTRATOR REQUIREMENTS

A. **Administrator Portal** - The system must provide a website accessible only to designed system administrators.

1. Customer service representatives must be able to create and manage user accounts.

2. Customer service representatives must be able to activate or deactivate mobile payment system user accounts.

3. Administrators must be able to run reports on transactions and accounts.

4. Administrators must have an interface to query transactions for ticket adjudication purposes.

B. **Reporting** - The system must provide reporting functionality to designated administrators of the system. These reports must include data on:

1. Transactions made by:

   a. License plate number.

      b. Phone number.

      c. Username/account number.

      d. Date and time.

      e. Duration.

      f. Rate.

      g. Total amount.

      h. Payment method.

      i. License plate number.

      j. Meter/block/zone ID.

2. Account sign ups.

3. Account charges/recharges.

4. The system must allow reports to be exported to:

      a. Microsoft Excel.

      b. Text files.

      c. Database flat files.

      d. Direct connection with another database.

5. Reports must be available for viewing or download within a reasonable time. The vendor must provide performance metrics on its reporting tool, with scenarios such as:

      a. Number of new accounts per week.

      b. Amount of transactions per day by meter/block/zone ID.

      c. All transactions in a calendar year.

C. **Parking System Inventory** - The system must have the option for a web-based tool to manage the inventory of the parking system. This section describes the requirements of the inventory management tool.

1. The inventory must hold information on each meter/block/zone, including its:

      a. ID.

      b. Address.

      c. Status (active or inactive).

      d. Rate.

      e. Hours of operation.

      f. Hours of restrictions.

       g.   Maximum length of stay.

2. Once a change is made to the inventory, the system must be either updated immediately or queued for update at a set time.

3. An administrator must be able to use the tool to manually update the attributes of a single meter/block/zone.

4. An administrator must be able to import a file to update the entire inventory.

OTHER TECHNICAL REQUIREMENTS

A. **Data Security** - The system must exercise industry standard protocols to ensure the protection of any data stored and transmitted in the system, including:

1. Securing physical servers, storage, etc.

2. Firewalls to protect against unauthorized access.

3. SSL encryption on websites.

4. PCI -DDS level 1 compliant on all applicable data.

5. SSAE Report before the Notice of Award.

6. The vendor must minimize member's exposure to sensitive data, such as:

    a.   Credit card numbers.

    b.   Personal information of users.

    c.   The vendor must describe its data security plan and disclose any breaches of security.

B. **System Availability** - The system must provide redundant/failsafe servers which ensure at least 99.5% uptime of all components of the system, including:

1. IVR, including the availability of live customer service representatives.

2. Smart phone/device applications.

3. User and administrator websites.

4. Integration with existing multi space meters (only for the integration part for which the vendor is responsible).

5. The proposed system must be able to handle up to 50 million mobile payment transactions per year, including up to 12,000 transactions per hour.

6. The system must provide system uptime reports from the past 4 years and also provide a plan to scale the system to support additional users and transactions.

INTEGRATIONS

A. **Multi space meters -** The system must be able to communicate with the back office system of the existing multi space meters. The system must have the following requirements:

1. Send each transaction to the existing back office system or a 3rd party system as it happens in real-time.

2. Accept transactions sent from the back office system or a 3rd party system.

3. The vendor must provide examples of data formats and delivery methods used to communicate transactions to and from external systems.

B. **Enforcement** - The system must be able to communicate with any enforcement system. The system must have the following requirements:

1. Allow a device to query the payment status of a vehicle through its license plate number using an API provided by the vendor that is compatible with Android, iOS.:

2. Allow a device to query a list of paid vehicles through a meter/block/zone ID.

3. Allow a license plate recognition system to query the payment status of a vehicle through its license plate number within 3 seconds.

4. Pull or receive a list of license plate numbers flagged by law enforcement.

5. The system must be able to send an alert when a matching vehicle makes a parking transaction.

6. The vendor must provide examples of their enforcement integration models with other clients.

C. **Marketing** - The vendor must implement the following requirements **at no cost to the Client:**

1. Provide push notifications directly through the mobile phone application.

2. Provide in-app messaging functionality directly through the mobile phone application.

3. Provide geo-fencing functionality directly through the mobile phone application.

4. Provide location based marketing to integrate sending real-time push notifications, in-app messaging and geo-fencing based on a mobile parking application user's location.

5. Provide an initial marketing plan to promote the use of the system, including details on the message, medium, location, and frequency of marketing.

6. Provide a comprehensive recurring marketing plan, including signage used to identify meter/block/zone IDs.

7. Supply all promotional and operational graphics, excluding the street.

8. Develop and deploy social media and email marketing strategies.

9. Work with identified stakeholders and provide support for local events and venues through mobile phone application.

10. The vendor must provide examples of marketing plans used in other cities or markets.

11. All marketing plans and materials shall be approved prior to implementation.

CUSTOMER SERVICE

A. **End User Customer Service -** The vendor must provide the following customer services to end users:

1. Live operators available 24/7 to create accounts and resolve issues.

2. Language support for:

   a. English.

   b. Spanish (if available).

3. Customers looking to establish contact with a live operator must be provided the option at the start of a parking action.

4. Callers seeking a live operator must not be on hold for longer than 2 minutes.

5. Music and updated messaging must be provided during calls on hold.

6. Customers looking to find parking must be provided a web-based or mobile app-based map, or other method of locating metered parking.

7. The vendor must provide a customer support plan that includes projected call volumes and number of support staff available.

B. **Support -** The vendor must provide the following services:

1. Technical support during normal business hours of 8:30 am to 6:00 pm, (EST).

2. Engineering staff to perform development, testing, and deployment.

3. Response times of less than 30 minutes for urgent issues.

4. Resolution of urgent issues in less than 2 hours.

5. The vendor must provide examples of development project plans and issue resolution processes with other clients.

C. **Training**

1. The vendor must provide training to personnel designated in the following areas:

   a. Use of payment methods.

   b. Use of any websites designed for users and administrators.

   c. Use of any enforcement tools.

2. The vendor must also provide training for end users, including, but not limited to a frequently asked questions (FAQ) section and/or instructional videos on the vendor's website.

D. Deployment

1. The vendor must provide examples of deployment plans with other clients that include the following:

   a. Development schedule.

   b. Testing schedule.

   c. Roll out schedule.

   d. Marketing schedule.

   e. Training schedule.

2. The vendor must provide a tentative deployment schedule that includes all services.

ADDITIONAL INTEGRATED SERVICES

A. **Additional Integrated Services** - The vendor must incorporate additional integrated services and pricing to their proposal, including but not limited to:

1. Central database repository for aggregated parking data (analysis), central enforcement and integration of several parking methods and technologies, such as but not limited to:

   a. Mobile payments for parking system.

   b. Pay by plate (multi space meter).

   c. Digital permit management system.

   d. Enforcement.

2. Access for mobile payment users to gated parking facilities via:

   a. QR Code, either via scanning within a mobile app or scanning at the gate.

   b. Near Field Communication (NFC).

   c. RFID or Proximity Cards.

   d. License Plate Recognition (LPR).

3. Electrical Vehicle Charging.

4. Event permit system, either via mobile payments for parking system (temporary event rate override of regular parking rates).

5. Integrations with major meter, ticket software applications and sensor technology providers.

PROPOSAL FORM – PROPOSERS AGREEMENT

PROJECT IDENTIFICATION: Multi Space Meter Parking System

THIS PROPOSAL IS SUBMITTED TO:
CITY OF LEAVENWORTH, WA
ATT: Joel Walinski
700 US Hwy 2 / P.O. Box 287
Leavenworth, WA 98826

1. The undersigned PROPOSER proposes and agrees, if this proposal is accepted, to enter into an agreement with OWNER to perform and furnish all Work as specified or indicated in the Proposal for the Price and within the Times indicated in this proposal and in accordance with the other terms and conditions of the Proposal.

2. PROPOSER accepts all of the terms and conditions of the Advertisement for Proposals and Instructions to Proposers including without limitation those dealing with the disposition of Proposal security. This Proposal will remain subject to acceptance for 90 days after the day of Proposal opening. PROPOSER will sign and deliver the required number of counterparts of the Agreement with the Bond and other documents required by the Proposal Requirements within fifteen days after the date of OWNER'S Notice of Award.

3. In submitting this Proposal, PROPOSER represents, as more fully set forth in the Agreement, that:

   (a) PROPOSER has examined and carefully studied the Proposal Documents, including the Specifications and the following Addenda receipt of all which is hereby acknowledged: (List Addenda by Addendum Number and Date)

   _____

   _____

   _____

   (b) PROPOSER has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Work.

   (c) PROPOSER is familiar with and is satisfied to all federal, state and local Laws and Regulations that may affect cost, progress, performance and furnishing of the Work.

   (d) PROPOSER is aware of the general nature of Work to be performed by owner and others at the site that relates to Work for which this Proposal.

   (e) PROPOSER has correlated the information known to PROPOSER, information and observations obtained from visits to the site, reports and drawings and all additional examinations, investigations, explorations, tests, studies.

(f) PROPOSER has given the City of Leavenworth written notice of all conflicts, errors, ambiguities or discrepancies that PROPOSER has discovered in the RFP and the written resolution thereof by City of Leavenworth is acceptable to PROPOSER, and the text is generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Proposal is submitted.

(g) This Proposal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; PROPOSER has not directly or indirectly induced or solicited any other PROPOSER to submit a false or sham Proposal; PROPOSER has not solicited or induced any person, firm or corporation to refrain from Proposal; and PROPOSER has not sought by collusion to obtain for itself any advantage over any other PROPOSER or over OWNER.

4. PROPOSER will provide all labor, materials, and equipment in order to complete the Work in accordance with Proposal for the following price(s):

Proposal Form: Please include completed attached Proposal form

---

(AMOUNT WRITTEN)

5. PROPOSER agrees that the Work will be substantially completed and ready for final payment in accordance with on or before _____ or within the number of calendar days indicated in the Agreement. The City will hold no less than 10% of payment until items are completed and inspected.

6. The following documents are attached to and made a condition of this Proposal:

(a) Required Proposal Security in the form of performance bond. Each proposal shall be accompanied by a bond executed by a surety company acceptable to the City of Leavenworth and licensed to do business in Washington for the amount of the proposal and price of the contract, guaranteeing that the Proposer shall complete the work covered under the Proposal and at the fees stated therein.

7. Communications concerning this Proposal shall be addressed to the address of PROPOSER indicated below.

SUBMITTED on   .
State Contractor License No.

If PROPOSER is:

<u>An Individual</u>

By _____(SEAL)
         (Individual's Name)

Doing business as

_____ Business

Address: _____

Phone No: _____

<u>A Partnership</u>

By _____ (SEAL)
         (First Name)

_____
         (General partner)

Business Address: _____

Phone No: _____

<u>A Corporation</u>

By _____ (SEAL)
         (Corporation Name)

_____
         (State of incorporation)

By_____
         (name of person authorized to sign)

_____
           (Title)

(Corporate Seal)

Attest_____

                    (Secretary)

Business Address:

_____

_____

Phone No: _____

Date of Qualification to do business is_____

<u>A Joint Venture</u>

By _____ (SEAL)

                   (Name)

_____

                   (Address)

By _____

                   (Name)

_____

                   (Address)

Contact Name, Phone Number, address, and email for receipt of official communications.

_____

_____

_____

_____

(Each joint venture must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

PROPOSAL FORM CHECKLIST – PARKING METER TECHNOLOGY

Proposal should provide information on each item listed below:

1. Single-Space and Dual-Space smart meter hardware proposal specifications, including all components and materials;

2. Single-Space and Dual-Space smart meter software proposal components and capabilities, including web-based back office application;

3. Pay Station hardware proposal specifications, including all components and materials;

4. Pay Station software proposal components and capabilities, including web-based back office application;

5. Vehicle Detection Sensors proposal including components and capabilities, including web-based back office applications;

6. Parking Enforcement hardware proposal specifications, including all components and materials;

7. Parking Enforcement software proposal components and capabilities including web-based back office;

8. Training and support;

9. After sales support;

10. Warranty.

PROPOSAL FORM – ESTIMATED COST PROPOSAL

DUAL SPACE CONFIGURATIONS			
Quantity	Description		
		Per Meter Cost	Total
1. Upfront Capital Costs			
179	Dual Space Smart Meter	$ -	$0
179	Field Installation of Meter	$ -	$0
1	Initial Training	$ -	$0
	Subtotal (Dual Space)		**$0**
2. Monthly Costs			
179	***2.A. Wireless Communications & Software License Fee*** *(Some vendors separate this monthly fee into multiple buckets. Enter the sum of all fixed monthly fees on this line).*	$ -	$0
	2.B. Credit Card Gateway Fees	$0.00	$0
	Credit Card Transactions per Day (Each city differs, but meters can average 1 to 2+ credit card transactions per day.)		
	Meter Days per Month (enter 21 days for M-F, 25 for M-Sa, 29 for M-Su)		
SINGLE SPACE CONFIGURATIONS			
Quantity	Description		
		Per Meter Cost	Total
1. Upfront Capital Costs			
45	Single Space Smart Meter		
45	Field Installation of Meter		
45	Initial Training		
	Subtotal (Single Space)		
2. Monthly Costs			

45	**4.A. Wireless Communications & Software License Fee** *(Some vendors separate this monthly fee into multiple buckets. Enter the sum of all fixed monthly fees on this line).*		
-	**4.B. Credit Card Gateway Fees**		
4.0	*Credit Card Transactions per Day (Each city differs, but meters can average 1 to 2+ credit card transactions per day.)*		
-	*Meter Days per Month (enter 21 days for M-F, 25 for M-Sa, 29 for M-Su)*		
45	*Meters*		
-	*Credit Card Transactions per Month*		

WARRANTIES

4	*Years (Years 2-5)*		
179	*Number of Meters (Dual Space)*		
716	*Number of "Meter Years" of Extended Warranty Coverage*		
716	**5.A. Five Year Extended Meter Warranty (Dual Space)**		
45	*Number of Meters (Single Space)*		
180	*Number of "Meter Years" of Extended Warranty Coverage*		
180	**5.B. Five Year Extended Meter Warranty (Single Space)**		
240	*Number of Batteries*		
240	**5.C. Five Year Extended Battery Warranty**		

KIOSKS

	Kiosks	Per Unit	Total
10	Kiosks		
10	Field installation of Kiosks		
1	Initial Training		

MONTHLY COSTS

0	*2.A. Wireless Communications & Software License Fee* *(Some vendors separate this monthly fee into multiple buckets. Enter the sum of all fixed monthly fees on this line).*	$ -	
	2.B. Credit Card Gateway Fees		
	Credit Card Transactions per Day (Each city differs, but meters can average 1 to 2+ credit card transactions per day.)		
	Meter Days per Month (enter 21 days for M-F, 25 for M-Sa, 29 for M-Su)		
	2. C 5 Year Warranty Costs		
1. Housings		**Totals**	
224	Housings		
224	Field Installation of Housing		
	Subtotal		
2. Sensors		*Per Unit*	*Total*
653	Vehicle Detection Sensor		
653	Field Installation of Sensors		
7	Communications Gateway		
7	Field Installation of Communication Gateway		
1	Sensor Software Fee (one-time fee)		
	Subtotal		
3. Monthly Costs for Sensors and Gateways			
653	Sensor Software Fee (recurring fee)		
653	Sensor Communications Fee		
7	Communications Gateway Fee		
	Subtotal - Monthly Operating Costs		
	TOTAL		