City of St. Louis Treasurer's Office



Response to Request for Proposals for:

Parking Management – Software, Meter Maintenance, Collections, and Parking Violations Bureau – ALTERNATE BID

Due: Friday, May 17, 2019 at 3:00 p.m. (CT)



Portions of this proposal contain valuable and protected information, ideas, know-how, concepts, processes and trade secrets that are the sole property of CivicSmart, Inc. and its affiliates, which includes Duncan Parking Technologies, Inc. This protected data has been noted and shall not be disclosed outside the proposal evaluation team and shall not be duplicated, used or disclosed in whole or in part for any purpose except the process related to the subject Request for Information (RFI).

Release of confidential information may place CivicSmart, Inc. and its affiliates including Duncan Parking Technologies, Inc., at serious and irreparable competitive disadvantage in future procurements by providing our competitors with sensitive, confidential and proprietary information that would be unavailable to any third party but for the disclosure of this proposal. In the event that a third party makes a request for disclosure of protected information, please notify us immediately in writing, so that we may have the opportunity to participate in any disclosure discussions and decisions.

CivicSmart, Inc. owns several related entities, including Duncan Parking Technologies, Inc., a wholly owned subsidiary which designs, manufactures and sells parking products in the United States.

For simplicity, these related entities are referred to as "CivicSmart". This proposal is submitted by Duncan Parking Technologies, Inc., which will execute any resulting contract.



May 17, 2019

Mr. Carl Phillips, Parking Administrator City of St. Louis Treasurer's Office 1200 Market Street, Room 220 St. Louis, MO 63130

Subject:RFP for Parking Management – Software, Meter Maintenance, Collections,
and Parking Violations Bureau – <u>ALTERNATE BID</u>

Dear Mr. Phillips:

Duncan Parking Technologies, Inc., a wholly-owned subsidiary of CivicSmart, Inc. ("CivicSmart"), is a technology services and engineering company specializing in developing and delivering Smart Parking and transportation offerings. Since purchasing Duncan's US parking equipment business in 2015, our innovations in design, features, functionality and hardware have helped cities become smarter and allowed us to steadily grow our client base.

We were excited to review the St. Louis Treasurer's Office's (STLTO) RFP and its invitation to submit alternate proposals that would allow the City's parking program to remain on the cutting edge of innovation. At the pre-bid conference last month, we heard the same message echoed about the Treasurer's openness to solutions that will reinforce the City's reputation as a leader in parking management technologies and practices.

While our AutoISSUE Handheld Enforcement System is included as part of Duncan Solution's separate bid for this project, we are submitting our own Alternate Bid here to highlight some of our world-leading offerings that are available to the Treasurer's Office today.

Our innovative Smart Parking technologies and what they offer to the St. Louis Treasurer's Office, motorists, residents, businesses, and visitors include:

- Highly Accurate Vehicle Detection Sensors our patented sensors capture real-time occupancy information which is already being displayed within the ParkMobile app in multiple cities for motorist convenience and within our AutoISSUE software for directed enforcement. These sensors have been installed in El Paso, TX (1,000), Ft. Collins, CO (2,700), Florida DOT (2,400 for truck parking), and many other cities.
- **On-street Reservations** we partnered with Dubai to deliver what we believe is the first on-street parking reservation program in the world last fall. This "Self Valet" program dedicates limited on-street spaces for "Reservation Only" parking. Our sensors integrate with an app to allow motorists to reserve a space for 5 times the standard meter rate. Payment and compliance are managed through our integrations. St. Louis can be the first US city to offer this level of convenience in select spaces by using a novel version of "Demand Based Pricing".

- Curb and Loading Zone Management cities are struggling to manage the growing demand for curb space that isn't solved by traditional metered parking or time-limit enforcement. Whether from increased e-commerce deliveries, Uber/Lyft pick-ups and drop-offs, e-scooter and bikeshare parking, parklets, and carshare services, congestion is increasing and cities need data to manage it. By installing our sensors in Loading Zones and other high use areas, we can provide the Treasurer's office with information to help set policy and direct resources. We can also inform delivery drivers where they can find available Loading Zones.
- **Electronic Tags** our sensors can read a unique ID from a small device placed on the vehicle's dashboard. The Tag ID can be associated with certain permissions to serve as an Electronic Permit (Residential Parking, Government, Loading Zone, Car Share, etc.) or can be linked to a payment account to support automated "Park and Walk" payments (like EZPass for Parking) without having to pay at the meter or with a smartphone.
- Liberty Next Gen Smart Parking Meters our LNG meters use innovative engineering and design to provide the most affordable Smart Meters on the market with a low purchase price, a low monthly fee, zero credit card transaction fees, zero transaction fees to display mobile payments on the meter, and a fully rechargeable battery with a five-year guarantee so there is no need to purchase replacement batteries. In addition to serving as a Single-space meter, our LNG can be configured as a Dual-space and even as a Multi-space meter (as part of a transition to meter-less or meter-lite parking) for even more savings. Our smart meters have been installed for over 50 clients including El Paso, TX (1,700), Charleston, SC (1,700), Lincoln, NE (1,300), Iowa City, IA (1,300), Evanston, IL (800), and Durango, CO (350).
- Trusted Meter Housings the Treasurer's Office has purchased Duncan Housings for decades. At the pre-bid it was mentioned that the STLTO wanted to upgrade its housings and we are offering discounted housing pricing if purchased with other CivicSmart Smart Parking offerings here. If the STLTO opts to replace its aging, expensive single-space meters with our cost-effective LNG Dual-space Meters, it will only need to purchase half the number of housings, saving even more money.
- AutoISSUE Enforcement Software Our handheld software is the leading enforcement solution in the country and is used by over 200 municipalities to issue parking citations including Atlanta, New Orleans, Miami-Dade County, Detroit, San Diego and, later this summer, Philadelphia. Our software is already integrated with the STLTO's ParkMobile, Parkeon and Genetec systems and uses an LPR engine, GPS, wireless communications and a map-based interface to optimize officer efficiency.

While our AutoISSUE Enforcement Software is included as part of Duncan Solutions' bid, we have included it in our Alternate Bid because, even if the Treasurer's Office selects a different citation processing vendor, there are compelling reasons why the STLTO should consider our handheld solution rather than accepting what a processing vendor offers:

• Citation processors are required to deliver handheld solutions as a cost of doing business. As a result, they underinvest in handheld software because it is not a core part of their offering. In contrast, we have invested in AutoISSUE for nearly 35 years and it shows.



- AutoISSUE's features are unmatched and municipalities and private operators across the country who have compared it to other solutions will attest to that. There is no need for an innovative program like the Treasurer's to settle for an inferior handheld solution. As part of this bid evaluation, the STLTO should invite us to demonstrate our solution before making a handheld decision.
- If the STLTO selects a citation processing vendor with limited large city experience, the vendor will be need to focus on that key implementation without having to simultaneously upgrade a limited handheld solution.
- At the pre-bid conference, the STLTO expressed a desire to accept multiple mobile payment systems. Doing so will maximize convenience for tourists and visitors and make the City one of the largest cities in the country to do so. AutoISSUE already integrates with ParkMobile, Passport, PayByPhone, MobileNOW and Pango and can support this from Day I. Just as importantly, because we are not a mobile payment provider, we do not have any conflicts with our partners. Mobile payment providers will be reluctant to integrate with a handheld vendor who also offers mobile payment service since proprietary payment and account data will have to be shared with a competitor. A neutral handheld provider doesn't pose this conflict.
- We can integrate citation data and photos into any citation processing system using batch or real-time updates.

Throughout this Alternate Bid, we discuss how our Smart Parking products and solutions can help improve the City's parking program and continue the Treasurer's transformation of on-street activity across St. Louis.

By enabling emerging and established Smart Cities to gain insights about motorist behavior, identify high-demand parking areas, deploy cost-effective parking technologies, enhance motorist convenience, improve parking program operations, and increase parking revenues, CivicSmart helps cities promote compliance with parking policies and regulations and spur economic development.

In conformance with the RFP, we are submitting three (3) hard copies and one (1) electronic PDF copy enclosed on a USB flash drive of our Technical Proposal. Our Cost Proposal is included in a separately sealed envelope.

We appreciate your consideration of our Letter of Interest and look forward to an opportunity to discuss the ideas, products and services described in this document with you further.

I can be reached at <u>mnickolaus@civicsmart.com</u> or at (202) 841-0225.

Sincerely,

Michael Micholaus

Michael Nickolaus CEO, Duncan Parking Technologies, Inc., a subsidiary of CivicSmart, Inc.



A. SCOPE OF SERVICE

This section highlights our proposed Smart Parking Technologies and Benefits.

Vehicle Detection Sensors

A truly "Smart Parking" program begins with a "Smart Parking Space." Everything the Treasurer's Office wants to do in the evolution of the City's parking program depends upon knowing when, where and for how long vehicles park in metered and unmetered spaces. This requires installing highly accurate sensors in each space to provide real-time information about how the curb is being used. Our sensors communicate with our Liberty Next Gen smart meters, our AutoISSUE handhelds, our Electronic Tags, our Parking Enterprise

Management System, and numerous third-party equipment and systems. While people usually associate sensors with metered spaces, there are high-value uses for sensors in non-metered spaces to better enforce time-limited parking, Loading Zones, Residential Parking Zones, Handicapped Spaces, and to allow flexible uses of the curb at different times of the day.



Our directional radar-based detection technology (subterranean or curb-mount) is patented around the world and provides real-time occupancy data with 99.7%+ accuracy, average latency of less than 5 seconds, and 99% latency within 15 seconds. The sensors are hermetically sealed and are guaranteed to operate off of a battery for five years. Our sensors will detect real-time vehicle occupancy and publish this information via mobile apps (including ParkMobile, below left), a map on the City's website (below middle) and via roadside Variable Message Signs if desired.



Our sensors communicate through solar-powered gateways (above right) featuring proprietary low latency, noise-tolerant communications technology, which wirelessly transmits sensor data to our Parking Enterprise Management System (PEMS) for comprehensive data management and analysis.

In addition to providing motorists with information about where to find vacant spaces, our sensors are accurate enough to enforce time limits. The allowable parking duration for each space is stored in our

backend management system and whenever a vehicle overstays the time limit, the location will be automatically flagged in our AutoISSUE enforcement software discussed below.

On-Street Reservations

A true policy innovation of our proposed Smart Parking Program is to dedicate a portion of the City's spaces in high-demand areas for Reserved On-street Parking. Setting aside spaces for paid reserved parking will deliver the maximum in convenience for motorists in St. Louis. These spaces will be clearly marked with instructional signs that prohibit parking unless the motorist has a prepaid reservation. We have successfully deployed such a program in Dubai.

Motorists who want the convenience of a guaranteed space will be able to find a vacant one near their destination via a map on the mobile app (see example, right). They can then reserve the space in advance using their license plate and pay for it through a payment method or e-wallet registered within the app. The app will provide turn-by-turn guidance to the Reserved Space. When the motorist parks in their confirmed space, the sensor detects the vehicle and sends a confirmation alert to the motorist in the Mobile App. If the motorist confirms they've arrived, billing will continue until the vehicle leaves the space.

If a vehicle parks in a space without a reservation, an alert will be sent to the enforcement officers to issue a citation or initiate a tow. If a motorist has reserved that space and signals they haven't arrived yet, the System will offer to change their reservation to the nearest available space or allow them to cancel. Enforcement will also be initiated in that case. The penalty should be high enough to serve as an effective deterrent.

Curb and Loading Zone Management

There are specially designated spaces and Loading Zones throughout the City with varying time limits depending on vehicle type. However, as demand for limited curb space has increased with the explosion of e-commerce, the on-demand economy, ridesharing, and more, cities are seeing increased abuse of Loading Zones and other restricted areas (fire hydrants, taxi lanes, valet lanes, no parking areas, etc.). For companies that deliver goods and the merchants that receive them, misuse incurs substantial costs from congestion, the unavailability of vacant Loading Zones, and "failed first deliveries."

By installing sensors in the downtown Loading Zones and using the data to track vehicle duration of stay, vehicles that violate the time limit can







Innovative Parking Management Technologies

be automatically flagged for officers to enforce. In areas subject to recurring safety violations like fire hydrant spaces (right), sensors can be installed to alert officers and automatically dispatch tow trucks. By issuing Electronic Tags (discussed below) to vehicles holding Commercial Loading Zone permits, the STLTO can ensure that only authorized vehicles are using these spaces. Alternatively, Electronic Tag holders can be billed according to Loading Zone usage or restricted to a certain time of the day.

The need for better curb mobility and management is growing as new transportation modes emerge. In the future, the growth of autonomous vehicles, microtransit, and other changes will further impact vehicle usage and demand for curb space and the City of St. Louis has a chance to be on the forefront in addressing these issues.

Our Parking Enterprise Management System (PEMS) can be used to support emerging Curb Management practices by displaying enforcement rules and activity on a map-based user interface.

Regulations for each curb section can be plotted for each curb (right) and PEMS users can view violations on this map.

Using a slider (below) to select the time of day, the user will see violations, and when clicking on a marked violation, they will be presented with information about the violation.

St. Louis Treasurer's Office







This information will provide the Treasurer's Office with the ability to identify problem areas and take appropriate action to alleviate curb management issues.

Electronic Permit Tags

CivicSmart designed and manufactures wireless, electronic permits that are simple to install and offer parking functionality similar to EZPass transponders for automatic toll payments. This patented technology is integrated with our sensors and automatically detects the tag when a vehicle enters the sensored space.

These tags can be distributed to permit holders instead of paper permits. If the tag is permitted to occupy the space, a green

indicator light will flash with an audible alert. If the tag is not permitted in that space, a red indicator will flash with an audible alert. These tags can be used as fraud-resistant electronic permits or, if linked with a payment account, as an automated payment method that enables "Park and Walk".



Managing residential parking is one of the largest challenges a city faces and one that generates some of the strongest emotions among stakeholders. Permits are often oversubscribed, residents complain they cannot find available parking, Councilmembers raise concerns of under-enforcement and nearby business owners argue that their customers have nowhere to park and don't patronize their business. To the extent that RPP programs are intended to manage these concerns, effective enforcement is a challenge because time-limit enforcement is time-consuming and many vehicles that overstay are entitled to do so. Further, the incentive for fraudulent permit use is high.

By demarcating spaces in residential permit areas, installing our sensors in these spaces, and issuing electronic permits in lieu of paper, hangtag or plate-based permits, the City can offer residents and users the following benefits:

• Guidance to available spaces in residential permit areas (real-time availability information could be limited to those residents with a valid permit) to reduce congestion and motorist frustration



- Automated monitoring of time-limit enforcement so officers can be guided to vehicles overstaying the time limit
- Efficient enforcement because motorists with an RPP tag who are allowed to stay all day will not be flagged for enforcement
- Reduced permit fraud and abuse since electronic permits cannot be counterfeited and when a permit expires, the credentials can be deactivated in the management system.

Liberty Next Gen (LNG) Smart Parking Meter Family

Our latest parking meter innovation is the patented "Liberty Next Gen" family of smart meters that offers cities unprecedented flexibility to shape a paid parking program to your unique needs. With the LNG, the STLTO may choose any of the following configuration options:

- A single-space smart meter
- A dual-space smart meter, or
- A card-only, small footprint multi-space smart meter.

As St. Louis moves to more cashless payments with fewer on-street meters, our dual- and multi-space LNG configurations are affordable, transitional devices.

Engineered with the future in mind, our Liberty Next Gen (LNG) employs advances in communications, battery and computing technologies to offer innovative features in the most cost-effective and flexible meter on the market. The LNG communicates wirelessly through a variety of communication protocols including 4G/3G, LoRa, and Bluetooth/Wifi. Payment and operational data is sent to our PEMS backend system in real-time.



Our LNG Smart Meter is extremely affordable with the lowest upfront cost of any Smart Meter, low monthly costs, no credit card gateway transaction fees, no fees to display ParkMobile payments on the meter, and a five-year battery guarantee so the STLTO will not be stuck with expensive battery replacements.

Meter Housings

CivicSmart's Meter Housings offer maximum revenue security while ensuring the highest levels of protection from tampering and vandalism. Manufactured to ISO standards, our simple-to-manage and easy-to-maintain meter housings provide extreme durability, legendary security, and maximum flexibility to accommodate high-demand parking areas. To meet your precise security and capacity requirements, our meter housings are available in a variety of configurations.

Housing Features:

- Compatible with all CivicSmart electronic and mechanical meters
- Operate under a wide range of environmental conditions and temperatures and does not require regular cleaning or maintenance
- One-piece dome lens constructed of high-impact, damage-resistant polycarbonate material
- To ensure security, access to upper housing is gained through a separate lock combination and key, and does not allow access to the coin compartment of the lower housing
- One year warranty and after-sale support
- Customizable color options available

Model 70

- Industry standard for maximum revenue security
- All iron lower housing with high-security internal locking mechanism

Model 76

- Ideal for revenue management in most cities and towns
- All zinc lower and upper housings; impact strength equal to or exceeds rating of zinc alloy Zamac #5

Model 80

- High durability minimizes risk of vandalism and tampering
- All iron lower housing provides maximum revenue security

Model 90 Single

- Ideal for maximum revenue security and collection efficiency
- All iron lower housing provides maximum revenue security

Model 95 Single

- High security and high durability to provide maximum protection in high demand areas
- All iron lower housing provides maximum revenue security

- Zinc alloy upper housing; impact strength equal to or exceeds rating for zinc alloy Zamac #5
- Standard sealed coin box capacity
- Standard revenue security
- Standard sealed coin box capacity
- All iron upper housing protects from theft
- Standard sealed coin box capacity
- Zinc alloy upper housing; impact strength equal to or exceeds rating for zinc alloy Zamac #5
- High capacity sealed coin box for optimal collection efficiency
- All iron upper housing provides maximum protection from tampeting and vandalism
- High capacity sealed coin box for optimal collection efficiency

Transition to "Meterless" Parking

Cities are striving to drive mobile and card payment adoption to avoid the hassle, costs and risks of coin collection and to reduce the amount of equipment on their sidewalks. In areas where the City may find it more advantageous to convert to a mostly mobile payment or "Park and Walk" payment method, the STLTO can install our LNG Dual Space Meter or our small footprint LNG Multi-Space Meter.

Our Dual Space meter offers a 6-button keypad (right) with easy-to-understand instructions. Since the STLTO is considering purchasing new housings, deploying this configuration will reduce the number of housings required in half. Over a five year total cost of ownership, our LNG DSM typically costs 60% less than traditional single-space smart meters.



If the City wants to go further, our LNG Multi-space Meter reduces the cost compared to traditional multi-space meters by ~90%, promotes the adoption of non-cash payment methods, but allows those who want to pay without using a smartphone or credit/debit card to do so via anonymous smartcards or even coins. Our multi-space LNG can cover 10-15 spaces but is a particularly cost cost-effective alternative for 3-7 spaces where cost of a full-featured paystation can't be justified. Our LNG MSM allows the motorist to use the arrow buttons to scroll to select and pay their space (see right). This is also a particularly cost-effective way to accept payments for motorcycle parking.



AutoISSUE Enforcement Software

We are the pioneer in handheld enforcement solutions with over 30 years of experience to draw from. We first entered the automated citation issuance marketplace with the introduction of the AutoCITE handheld enforcement device in 1986. CivicSmart's AutoISSUE handheld enforcement solution is used by hundreds of cities across the U.S., to efficiently and accurately issue citations that can be easily uploaded to your preferred citation processing system. Our AutoISSUE software runs on a variety of one- and two-piece Android hardware devices/printers and uses a mapbased user interface, handheld license plate recognition, an integrated camera, and data analytics. Real-time meter payment, mobile payment, and sensor data are displayed to guide officers on their routes, and GPS tracking provides supervisory and safety awareness of where officers are located.

Our software integrates with dozens of sensor, mobile payment, parking meter, permit, mobile LPR, citation management, intelligent streetlights and other Smart City systems to seamlessly deliver relevant information into the hands of officers when and where they need it. Existing integrations include the City's ParkMobile payment app, Parkeon paystations and Genetec MLPR system.

AutoISSUE is constantly being innovated and updated to best serve, and integrate with, an ever-evolving Smart Parking and Smart City industry.

Clients that use our AutoISSUE software include Atlanta, GA, New Orleans, LA, Detroit, MI, Miami-Dade County, FL, San Diego, CA, and hundreds more.

Directed Enforcement

Our Directed Enforcement feature increases officer productivity and accuracy which promotes compliance with parking regulations.

Depending on the area, whenever a vehicle overstays the time limit, is parked at an expired meter, parks in an unauthorized space, or violates other City rules, the violation will quickly appear on the handheld map (right) to guide a nearby officer to efficiently issue a citation. The citation issuance page is pre-populated with all available data such as date, time, officer name,



9 4 97 # 28% # 3:55 PM

o

AI

8





AI



8



759 # 9.39 PM

0

officer ID#, location information, vehicle plate information from the LPR, business rules, and preestablished dropdown lists to prevent errors. All of the City's business rules, data fields and logic are pre-loaded into the software to prevent common errors. An enhanced LPR engine will scan and enter number plate information into the citation within seconds. Electronic chalks are shared across all handhelds and MLPR vehicles. CivicSmart will work with the City to customize a citation form that suits the needs and flow of the program. AutoISSUE is a powerful platform that integrates images and detects violations from fixed intelligent streetlights, and displays license plates captured by Mobile LPR systems.



AutoISSUE's map-based interface increases officer awareness and productivity, and GPS tracking supports directed enforcement and provides unprecedented information for supervisory staff. Officers can see their own routes and citation counts from within the app while Supervisors can do the same from the PEMS backend management system.





Heat maps of citation issuance and officer activities are available in PEMS.

Emails of issuance are sent to enforcement supervisors every hour to provide immediate insights into field activities rather than waiting until the next day to learn about issues.

Summary Tour	Citation Count	Distinct	Avg Cites Office	Cumulative Count	Warnings	Vaida
67	2	1	- 3	3	3	0
05	17	2	8.30	19	.4	1.0
09	53	15	3.53	72	1.4	1
10	1,87	28	6.68	259	4	. 0
11	255	33	7.06	492	4	0
12	185	31	3.26	603	1	0
13	1	- T.	1	636	1.1	3
Officer Detail Officer Name	Нош	Citation Count	Warnings	Vaids		
D. YARBER	07	. 2	0	0.		
D. YARSER	06	16	0	0	1.1	
K.Levii	08	1	9	0	1.1	
B. WALKER	.08	2		0		
C. MENDERSON	09	t	.0	0		
D. ELLY	09	- 2	0	0		
	1 and	1.1	-	141		

We can also geo-fence officer beats and send email and text alerts to supervisors and officers if they leave their assigned area.





Parking Enterprise Management System (PEMS)

Compatible with all CivicSmart products and already integrated with dozens of other parking industry companies, CivicSmart's Parking Enterprise Management System[™] (PEMS) is a powerful back-end system providing comprehensive, cloud-based data management in a user-friendly format. While PEMS provides detailed operational and transactional information for managing individual technology components, it can integrate its data with the City's systems to support the City's analytical and management needs of the on-street parking program.

Real-time monitoring, fault/alert management and ad hoc reporting will ensure that the CivicSmart products are fully functional at all times.



The PEMS home screen displays a comprehensive management dashboard featuring charts



B. Experience and Capability

CivicSmart has an 83 year history of making parking meters and housings that are used by thousands of cities, including St. Louis for decades. The cornerstone to our success is using the knowledge gained from our past and combining it with the latest in innovations to create the best parking products. Our products stand the test of time in every sense of the phrase—they are reliable, durable, have classic aesthetic appeal, are easy to maintain, and are user-friendly for any generation.

- In 1936, Duncan introduced our first Single-Space Parking Meter
- In **1986**, we introduced the AutoCITE handheld enforcement device through Enforcement Technology
- In 1990, Reino International commences the Multi-Space Meter business
- In **2005**, Duncan Solutions is formed by the merger of Duncan Parking Technologies, Enforcement Technology, and Reino International
- In **2015**, CivicSmart acquires Duncan Parking Technologies, which includes all of Duncan's USbased parking products.



Over the last five years, we have had over 50 installations of our Liberty smart meters including two dozen clients with over 100 meters.

Our sensors have been deployed on 5 continents including 2,700 in Fort Collins, CO; 2,400 sensors across Florida for the State DOT to cover over half the State's truck parking spaces to provide truckers with real-time information about parking availability to promote compliance with "hours of service" regulations; 1,000 in El Paso, TX; 2,500 in North Sydney, AUS; 1,200 in Birmingham, MI, and 1,100 in Chester, PA (implementation underway).

Our handhelds have been installed in over 200 cities including Atlanta, GA, New Orleans, LA, Detroit, MI, Miami-Dade County, FL, and San Diego, CA.

C. References

Below are references from El Paso, TX (LNG meters and sensors), Durango, CO (LNG meters and handhelds), Atlanta, GA (LNG meters and handhelds), and Charleston, SC (LNG meters).

City of El Paso, Texas		
Contraction of the second seco	Key Project Data	Implementation: 2013 Solution Elements: I,800 Liberty single-space meters Eagle CK single-space meters I,000 vehicle detection sensors Pay-by-cell service PEMS management system

The City of El Paso has been a Duncan Parking Technologies customer for over 60 years. In 2013, the City awarded a contract for us to provide 1,400 Liberty meters and 400 vehicle detection sensors. The Liberty meters, as well as existing Eagle 2100 meters, accept the City of El Paso Smart Card, provided by Duncan Parking Technologies. The sensor-enabled Liberty meters support the City's "Smart Parking" initiative which includes providing an hour free-time when vehicles park and other valuable features arising from integration between our sensors and Liberty meters.

Since 2014, the City purchased 400 more Liberty meters and 600 more sensors. Most recently, we have completed the integration of El Paso sensor data within the ParkMobile app in 2019.

Contact	Paul Stresow
Title	Director of International Bridges
Address	1001 S. Stanton St.
	El Paso, TX 79901
Phone	(915) 533-7428, ext. 12
Email	StresowP@ElPasoTexas.gov

City of Durango, Colorado

CITY of DURANGO	Key Project Data	Implementation: 2013 Solution Elements: 350 Liberty single-space meters Eagle 2100 meters Smart Cards PEMS management system AutoISSUE Enforcement Solution

The City of Durango, CO has been a longtime customer of our Eagle meters and for six years has had our Liberty meters. In 2017, the city requested a trial of the new LNG meters and has since purchased 220 Liberty Next Gen Smart Meters. They also upgraded to our latest AutoISSUE software in 2018.

Contact	Wade Moore
Title	Parking Operations Manager
Address	250 W 8 th St., Durango, CO 81301
Phone	(970) 375-4952
Email	Wade.Moore@DurangoGov.org

City of Atlanta, Georgi	a	
COLOUR CONTRACTOR	Key Project Data	Implementation: 2013 Solution Elements: • 750 Liberty Next Gen single-space meters • Credit Card acceptance • 55 AutoISSUE handhelds • PEMS management system

In 2001, CivicSmart provided the city with 2,500 coin-only meters. In 2009 we provided AutoCITE handhelds integrated with Parkeon meters and Parkmobile mobile payment data. Between 2013 and 2015 CivicSmart provided the city with 756 Liberty Smart Meters.

In 2017, CivicSmart provided SP Plus with 55 handhelds with AutoISSUE featuring an enhanced LPR engine and integrated with new Parkeon Pay-by-Plate paystations and Parkmobile mobile payment data. Later in the year, CivicSmart integrated AutoISSUE with Georgia Power and GE, to allow information from GE's City IQ nodes to be integrated into the enforcement software.

Contact	Jason Sutton
Title	Regional Manager, ATLPlus (SP Plus)
Address	121 Luckie St., Suite 200, Atlanta, GA 30303
Phone	(770) 883-3162
Email	jsutton@spplus.com

City of Charleston, South Carolina			
Charleston SOUTH CAROLINA where history lives	Key Project Data	 Implementation: 2017 Solution Elements: I,700 Liberty Next Gen single-space meters Credit Card & Smart Card acceptance PEMS management system 	
In 2015, the City of Charleston I This competitive procurement as payments and allow for such to mechanisms, and payment monito ultimately selected to provide 1,70	Procurement Division ked for a single-spac backend tasks like c bring. After a lengthy 00 LNG meters and m	issued solicitation for smart parking meters. the parking meter that could offer credit card communicating expired spaces, dysfunctional interview and negotiation process, we were management software to the City.	
The City has purchased 10,000 p addition to coins, credit and debit	re-paid smart cards t cards.	hat motorists can use to purchase parking in	

Contact	Robert Somerville
Title	Assistant Director
Address	180 Lockwood Dr. #C, Charleston, SC 29403
Phone	(843) 834-5858
Email	Somerville@Charleston-SC.gov

D. Cost Proposal

A Cost Proposal for the offerings presented in this Alternate Bid is included in a separate sealed envelope.



E. Insurance

Depending on the offerings purchased by the St. Louis Treasurer's Office, CivicSmart would be happy to agree and provide appropriate insurance coverage.

