



**INVITATION TO BID NO: 16-000**

**Electronic Tolling Transponders**

for the  
State Road and Tollway Authority

**Instructions to Bidders:**

All spaces below, as well as the documents referenced in Section 11 are to be filled in with signatures supplied where indicated. Failure to sign bid may render your bid invalid.

**BID OF:**

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

(Street Address)

City, State and Zip Code: \_\_\_\_\_

**SUBMIT BID TO:**

STATE ROAD AND TOLLWAY AUTHORITY  
Leanna Jordan Pierre, Procurement and Contracts Manager  
47 Trinity Ave 4<sup>th</sup> Floor  
Atlanta, Georgia 30334

**Bids Due and Open: March 29, 2016; 2:00 PM, Local Time (Atlanta, GA)**

**Schedule of  
Events**

<b>Release ITB</b>	<b>March 3, 2016</b>
<b>Deadline for Vendor Written Questions (Submit questions by email to <a href="mailto:lpierre@grta.org">lpierre@grta.org</a> )</b>	<b>March 15, 2016, 5PM, Local Time</b>
<b>SRTA Responses to Written Questions</b>	<b>March 22, 2016</b>
<b>Bid Due Date &amp; Opening Time</b>	<b>March 29, 2016, 2PM, Local</b>
<b>Notice of Contract Award</b>	<b>April 8, 2016</b>

All questions should be submitted by email to [lpierre@grta.org](mailto:lpierre@grta.org). Questions must be submitted no later than the deadline specified in the above Schedule of Events. Answers to written questions received will be available at the State Road and Tollway Authority (SRTA) website at <http://www.georgiatolls.com>.

Answers are provided for informational purposes only and will not be considered binding unless incorporated by amendment to this ITB. All questions and answers will be posted to the SRTA's website where the ITB document is located. **Bidders are reminded and encouraged to check this website daily for any changes to the ITB as well as to check this website for Notice of Contract Award. Posting of Notice of Award shall constitute official public notification.**

**STATE ROAD AND TOLLWAY AUTHORITY**  
**INVITATION TO BID**  
**ADDITIONAL**  
**INSTRUCTIONS**

**1. PURPOSE OF PROCUREMENT**

The State Road and Tollway Authority (SRTA) is issuing this Invitation to Bid (ITB) to establish an Open Contract for the purchase of Radio Frequency Identification (RFID) Transponders, at the convenience of SRTA. All Bids submitted pursuant to this ITB shall be made in accordance with the provisions of this ITB, including these instructions, the attached specifications and any appendices.

The Contract resulting from this ITB shall be available for use by other U.S. tolling entities and government agencies, with SRTA's consent, under a separate third party purchasing addendum. SRTA shall have no liability or responsibility whatsoever for and Proposer waives and such third party will waive in the purchasing addendum any claim against SRTA for the actions or inactions of whatever nature by either party to the purchasing addendum.

**2. SRTA BACKGROUND**

SRTA is a state-level, independent authority created by the Georgia General Assembly to operate tolled facilities within the state. SRTA also serves as a financing arm for state and local transportation projects across the state. SRTA's Mission is to enhance the mobility in Georgia by providing innovative transportation choices and financial solutions. SRTA's vision is to be a world class tolling and financing provider of transportation solutions. Much of that capability is dependent on the success of the toll collection implementation to accommodate the needed technology and ability to grow within the system. SRTA's core values go to integrity, expertise, collaboration, providing great customer service and diversity.

SRTA currently operates the I-85 Express Lanes, a 16-mile stretch of I-85 from Old Peachtree Road to Chamblee Tucker Road, just south of I-285. The I-85 Express Lanes are High Occupancy Toll lanes in which registered vehicles with 3 or more passengers, transit, motorcycles, emergency and electric vehicles are not tolled. Since their opening in October 2011, usage of the I-85 Express Lanes has more than tripled. SRTA anticipates opening three new toll facilities (Express Lanes) within the next three years: the 75 South Express Lanes, the NWC Express Lanes, and the I-85 Express Extension. SRTA currently processes approximately 4 million transactions and receives approximately \$9 million in toll revenue annually with a transponder base of approximately 450,000 and an approximate account base of 275,000.

**3. RESTRICTIONS ON COMMUNICATIONS WITH STATE STAFF**

From the issue date of this ITB until the final award is announced, Bidders are not allowed to communicate, for any reason, with any SRTA, GDOT, GRTA or other State of Georgia staff except through the Issuing Officer named herein, as defined in this ITB, or as provided by existing work agreement(s). Prohibited communication includes all contact or interaction, including but not limited to telephonic communications, emails, faxes, letters, or personal meetings, such as lunch, entertainment, or otherwise. SRTA reserves the right to reject the Bid of any Bidder violating this provision.

**4. SUBMISSION OF BIDS**

Preparation of Bids should be made in such a way as to provide a straight forward, concise delineation of capabilities and compliance with requirements of this ITB. Expensive binders, colored displays, promotional materials, etc. are not necessary or desired. Emphasis should be concentrated on completeness and clarity of content.

Submit all bids to:

**State Road and Tollway Authority**  
**Attn: Leanna Jordan Pierre - ITB No. 16-000**  
**47 Trinity Ave. 4<sup>th</sup> floor**  
**Atlanta, Georgia 30334**

The responsibility for submitting a bid to SRTA on or before the stated time and date will be solely and strictly the responsibility of the Bidder. SRTA will in no way be responsible for delays caused by the United States mail delivery, common carrier or any other cause or occurrence.

Verbal, faxed, or unsealed bids will not be accepted.

## **5. AMENDMENTS TO THE SOLICITATION (ADDENDA)/POSTPONEMENT OF BID SUBMISSION DEADLINE**

SRTA reserves the right to revise or amend the solicitation up to the time set for the submission of bids. Such revisions and amendments, if any, shall be announced by written addenda to the ITB and posted on the SRTA website as set forth below. If an addendum significantly changes the ITB, the date set for the submission of proposals may be postponed by such number of days as in the opinion of SRTA shall enable potential Bidders to revise their bids. In any case, the bid submission deadline shall be at least five days after the last addendum, and the addendum shall include an announcement of the new date, if applicable, for the submission of bids.

Upon issuance, addenda will be considered part of the ITB and will prevail over inconsistent or conflicting provisions contained in the original ITB. Copies of all addenda will be made available on the SRTA website [SRTA Bid Opportunities](#). It is the responsibility of the Bidder to check the SRTA website daily to ensure that it has received notification of any changes to the ITB.

Proposers shall acknowledge receipt of all addenda by completing and submitting Offer Document #7 (Acknowledgement of Addenda), as part of its ITB. As with other required documentation, proposals that fail to reference receipt of addenda by inclusion of Offer Document #7 (Acknowledgement of Addenda) may be excluded from consideration for a contract award.

## **6. RESPONSIVENESS OF BIDS**

Bids must be complete in all respects, as required in this ITB. A bid may be rejected by SRTA if it is conditional; incomplete; fails to meet any requirement included in the ITB; or, contains any alterations of form or other irregularities of any kind.

## **7. MULTIPLE BIDS**

Bidders may be rejected if more than one bid is received from an individual, firm, partnership, corporation, or combination thereof, under the same or different names. Such duplicate interests may cause the rejection of all Bids in which such Bidder has participated.

## **8. WAIVERS**

SRTA may waive informalities or irregularities including, but not limited to typographical, mathematical, obvious errors, or other informalities or irregularities.

## **9. MODIFICATION OR WITHDRAWAL OF BIDS**

**Modifications** - SRTA will permit modifications to a bid after it has been submitted up until the bid submission deadline for accepting bids. The bid can be picked up by a representative of the Bidder and then it is the Bidder's responsibility to resubmit before the deadline.

**Withdrawal** - A bid may be withdrawn upon request by the Bidder without prejudice up until the bid submission deadline for submittal of bids, provided that the request is in writing, has been executed by the Bidder or the Bidder's duly authorized representative and has been filed with SRTA.

## **10. BID FORMAT**

**An original hard copy, two duplicate hard copies (and one electronic copy) of all bid documents** technical literature, and any supporting documentation shall be submitted prior to bid opening. If there are any conflicts or discrepancies between the submitted documents, the contents of the original hard copy shall govern. Bids must be identified as follows:

Bid of (Your Company Name's) ITB Number: 16-000

Bid Opening Date and Time: **March 29, 2016, 2:00PM, Local Time (Atlanta, Georgia)**

## 11. BID DOCUMENTS REQUIRED

For this procurement, **Bidders must sign (if applicable) and return: Cover page; Offer Document 1 (Contractor Information); Offer Document 2 (Bid Letter); Offer Document 3 (Bid Certification); Offer Document 4 (Statement of Responsibility); Offer Document 5 (Technical Compliance Worksheet); Offer Document 6 (Bid Price Sheet); Offer Document 7 (Acknowledgment of Addenda);** and any Bidder Submitted Documentation.

## 12. BID PRICE SHEET

**Bidders must submit annual prices (annual based on State of Georgia Fiscal Year July 1 – June 30) for the products and services listed on Offer Document 6- Bid Price Sheet.**

Bids containing provisions for late or interest charges cannot be awarded a contract. Bidders are instructed to remove or strike through any reference to this provision in or on vendor printed forms and to initial changes prior to submitting a Bid response to SRTA. Failure to do so could delay bid award or result in bid disqualification if not removed.

## 13. CONTRACT QUESTIONS, CLARIFICATIONS AND RECOMMENDATIONS

From the date of issuance of this solicitation through the date of contract award by the SRTA, all official communications to and from SRTA regarding this solicitation will be transmitted in writing (defined as being sent or received via letter or email on official firm/agency letterhead or by electronic mail). SRTA shall not be responsible for any oral statements made by its employees regarding this solicitation.

All vendor communications concerning this solicitation should be directed to the Procurement & Contracts Manager at [lpierre@grta.org](mailto:lpierre@grta.org). **Unauthorized contact regarding this solicitation with other SRTA employees and/or Board members may result in disqualification.** Any oral communications will be considered unofficial and non-binding on the Authorities. Vendors should only rely on written statements issued by the Procurement & Contracts Manager.

## 14. CONTRACT ADDITIONS

Upon mutual agreement, products in addition to those listed in the **Bid Price Sheet (Offer Document 6)** may be added subsequent to contract award. The support costs quoted for these additional items should reflect the same discount from the normal costs as used in the determining the costs quoted in response to this ITB.

## 15. CONTRACT TERM

The Contract shall be for a base period of five (5) years (“Initial Term”). Thereafter, the Agreement may be renewed at the sole discretion of SRTA for up to six (6) additional terms of six (6) months each to be evidenced in writing by Amendment to the Contract (each, a Renewal Term”). The Initial Term and any and all Renewal Terms may be referred to collectively as the “Term.” SRTA may, at its sole option, renew as to all of the products to be provided hereunder or as to only selected products.

## 16. CONTRACT

The contract that SRTA intends to use with the successful Bidder is attached to this ITB and identified as **Appendix A**. Prospective Bidders are urged to carefully read this Contract prior to making their offers. SRTA reserves the right to add provisions consistent with the successful Bidder's offer and to negotiate with the successful Bidder other additions to, deletions from, and/or changes in the language in the Contract, provided that no such addition, deletion or change in contract language would, in the sole discretion of SRTA affect the evaluation criteria set forth herein, or increase the prices offered by the successful Bidder. The insurance and indemnification provisions set forth in the draft Contract should be considered by Bidder when setting their prices, as such insurance and indemnification provisions are not likely to change from the draft version provided.

At the end of the evaluation process, SRTA shall contact the apparent successful Bidder. Prior to the Contract award, the apparent successful Bidder will be required to enter into negotiations/discussions with SRTA to resolve any contractual differences before an award is made. These negotiations/discussions are to be finalized and all exceptions resolved within one (1) week of notification. Failure to resolve any contractual issues may lead to rejection of the Bidder. SRTA reserves the right to

proceed to discussions with the next highest ranked Bidder. The Bidder should not expect to make any modifications to the Contract unless the same are necessary in order to ensure that the Contract is consistent with the Bid.

The Contract resulting from this ITB shall be available for use by other U.S. tolling entities and government agencies, with SRTA's consent, under a separate contract. SRTA shall have no liability or responsibility whatsoever for and Proposer waives and such third party will waive in the separate contract any claim against SRTA for the actions or inactions of whatever nature by either party to the separate contract.

## **17. BASIS FOR AWARD**

The lowest Bidder will be the Bidder submitting the overall lowest total price based on the quantity criteria listed in the Bid Price Sheet (**Offer Document 6**) relative to the responsive products listed in the Technical Compliance Worksheet (**Offer Document 5**). Due to the possible variations in Transponder types, only each Bidder's lowest priced Interior and Exterior transponders will be used for evaluation purposes:

- 650,000 Primary Interior Mount Transponders (anticipated to be windshield sticker tags)
- 100,000 Exterior Mount Transponders (anticipated to be headlamp sticker or "bumper mount" hard case tags)

## **18. BIDDER RESPONSIBILITY**

A Responsible bidder is one that SRTA believes to be responsible based on responses provided on the Bidder's "Statement of Responsibility Certification Form" and/or based on Bidder's responses to the requirements of the solicitation document. Responsibility shall generally be presumed. In order for a Bidder to be deemed non-responsible, SRTA must make an affirmative determination of non-responsibility. SRTA reserves the right to conduct additional due diligence into any Bidder's responsibility status. Such due diligence may include investigations into one or more of the following areas:

1. Whether bidder has adequate financial resources to perform the contract, or the ability to obtain them. This includes, but is not limited to, the ability to obtain required bonds (if any) and insurance from sureties and insurance companies authorized to do business in Georgia.
2. Whether bidder is able to comply with the contract requirements, considering the firm's other business obligations.
3. Whether bidder is registered to do business in the State of Georgia and is listed as "ACTIVE/COMPLIANCE" with the Office of the Georgia Secretary of State.
4. Whether bidder is not presently debarred or suspended from bidding by any Federal or State governmental entity;
5. Whether bidder has within a three year period preceding this bid (or proposal) been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
6. Whether bidder is presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above.
7. Whether bidder has had a contract terminated for default in the last 3 years.
8. Whether bidder is currently under investigation for any possible breach of contract, or fraud or allegations of criminal activity related to the types of Services requested within this solicitation document. (And if yes, the circumstances, nature and magnitude of such investigation shall be considered in any possible non-responsibility determination).
9. Whether bidder has a satisfactory performance record.

10. Whether bidder has a satisfactory record of integrity and business ethics.
11. Whether bidder has satisfactory organization, experience, accounting and operational controls, and managerial and technical skills.

**BIDDERS MUST COMPLETE AND SUBMIT ALL OFFER DOCUMENTS.**

**19. BID SUBSTITUTIONS, ALTERNATES, EXCEPTIONS, AND EXTENSIONS**

Bidders that intend to propose alternate materials, services, techniques or equipment or substituted items that materially deviate from the items and/or services required in the Technical Requirements and specifications of this ITB, are strongly encouraged to request approval for such items, products and/or services from SRTA by the deadline for Questions set forth on the Cover Page of this ITB, but in no event later than **at least one week prior to time of Bid Due Date and opening**, for such proposed deviations to be considered.

If such a request is deemed by SRTA to have merit as an acceptable deviation, and is granted by SRTA, an addendum may be issued to all prospective Bidders to inform them of such an allowance, and/or to amend the requirements or specifications of this ITB.

SRTA reserves the right to extend the bid submission deadline based on such information, but is not required to do so. SRTA reserves the right to cancel the solicitation in its entirety and possibly re-advertise and issue a revised ITB for any reason.

Any exceptions that the Bidder has in their submitted Bids must also be clearly noted within the Bid to be considered by SRTA, regardless of whether or not such exceptions have been previously communicated to SRTA.

**PLEASE NOTE THAT BIDDERS SUBMITTING EXCEPTIONS TO THE REQUIREMENTS AND SPECIFICATIONS OF THIS ITB IN THEIR SUBMITTED BID DO SO AT THEIR OWN PERIL, SINCE EXCEPTIONS MAY RESULT IN A DETERMINATION OF “NON-RESPONSIVENESS” OF THE BIDDER AND/OR THEIR BID.**

**20. REJECTION OF BIDS**

SRTA reserves the right to reject any or all Bids submitted in response to this ITB.

**21. SMALL AND MINORITY BUSINESS POLICY AND TAX INCENTIVE**

It is the policy of the State of Georgia that small businesses, female-owned businesses and minority businesses have a fair and equal opportunity to participate in the State purchasing process. SRTA encourages all small businesses, female-owned businesses and minority-owned businesses to compete for, win, and receive contracts for goods, services, and construction. Potential respondents to this ITB are advised that O.C.G.A. § 48-7-38 provides for an income tax adjustment on the Georgia state income tax return of any company that subcontracts with a “Certified minority-owned” firm to furnish goods, property, or services to the State of Georgia. Any selection made as a result of this ITB will be made without regard to race, color, religion, sex, or national origin. This desire on the part of SRTA is not intended to restrict or limit competitive bidding or to increase the cost of the work. Any selection made as a result of this ITB will be made without regard to race, color, sex, religion, or national origin.

**22. RESPONSIBILITY FOR COSTS INCURRED**

All costs incurred by any interested party in responding to this ITB shall be borne by such interested parties, and SRTA shall have no responsibility whatsoever for any associated direct or indirect costs related to the development or any other aspect of the bids or this ITB.

**23. SALES AND USE TAXES**

SRTA is exempt from paying sales and use taxes. All proposal prices must exclude sales and use taxes (if applicable).

## 24. RESERVED RIGHTS

SRTA reserves the right to reject any and all proposals or any portion of a specific proposal for any reason. Issuance of this ITB and receipt of bids does not commit SRTA to award a contract.

SRTA has the sole right to select the successful Bidder for contract award; to reject any bid as unsatisfactory or non-responsive due to non-conformance with the requirements of this ITB; to cancel the solicitation and to advertise for a new ITB; or not to award a contract as a result of this ITB.

SRTA reserves the right to accept any ITB deemed to be in the best interest of SRTA and to waive any irregularities in any bid that does not prejudice other Bidders.

## 25. PROJECT INFORMATION

SRTA intends to contract with the successful Bidder to provide new radio frequency identification (“RFID”) Transponders, as further described herein in this ITB (collectively, “RFID Equipment”) to be used on current and future tolling, parking and potential other AVI projects. The successful Bidder in this procurement will be required to cooperate and participate with and to provide technical support to SRTA’s contractors regarding the integration of Bidder’s Transponders into SRTA’s AVI systems.

The AVI system implemented on the I-85 Express lanes (and planned for implementation on SRTA’s other projects expected to go live in 2017/2018) uses 3M ID 6204 readers.

Readers are configured to read 3 protocols: ISO 18000-6C, TransCore SeGo®, and the Kapsch TDM protocols. The current population of SRTA transponders in use is 6C and eGo Plus®.

Current SRTA 6C Transponders in use are programmed per a spec that pre-dates the 6C Toll Operator’s Coalition AVI Transponder Programming Standard (“6C TOC Standard”, current revision attached as **Appendix B**). SRTA will coordinate the Transponder ID ranges with the successful Bidder to not interfere with existing SRTA ranges.

**Key Definitions.** For purposes of this ITB, the following definitions shall apply:

“**6C**” is defined as the ISO 18000-63 (formerly ISO 18000-6C) standard for RFID devices operating in the 900 MHz frequency range.

“**6C TOC Standard**” is defined as a uniform programming standard for 6C in North American tolling applications as more fully detailed in **Appendix B**.

“**Contract**” is defined as the written agreement entered into between the successful Bidder and SRTA.

“**State**” means the State of Georgia.

“**Transponder**” is defined as an in-vehicle or exterior RFID device that receives signals from, and transmits signals to, a reader device.

## 26. ESTIMATED QUANTITIES AND MINIMUM ORDER

26.1 SRTA *estimates* ordering 250,000 Interior Mount Transponders and 20,000 Exterior Mount Transponders throughout the remainder of calendar year 2016. **However, these are estimates only.**

26.2 **MINIMUM ORDER AMOUNT:** SRTA shall order a minimum of 250,000 Interior Mount Transponders by the close of FY17 through the Contract awarded pursuant to this ITB.

26.3 All other items and quantities are estimates based on projected needs and are given for evaluation purposes only. The award contract shall be an Indefinite Delivery/ Indefinite Quantity (IDIQ) contract. As such, SRTA reserves the right to increase or decrease the total quantities as necessary to meet actual requirements. Additional quantities for all items will be determined based on need. SRTA shall not be required to purchase any minimum amount of units

above those stated in **Section 26.2** during the term of the Contract, nor shall SRTA be limited to any maximum order amount during the term of the Contract.

## 27. TECHNICAL REQUIREMENTS

Bidder must provide the required items which meet the following specifications. Bidder must also indicate compliance with the following technical requirements using the Technical Compliance Worksheet (**Offer Document 5**). If an Item listed is not required, it will be clearly labeled, “**DESIRED**”

### 27.1 Transponder Standards Compliance

- 27.1.1 Transponders proposed by Bidder must be compliant with the 6C standard for RFID devices operating in the 900 MHz frequency range.
- 27.1.2 Bidders must certify in the Technical Compliance Worksheet (**Offer Document 5**) that the RFID Equipment proposed are compliant to the aforementioned standard.
- 27.1.3 In addition to above self-certification, the successful Bidder will be required to provide (at their own cost) a third party (i.e. OmniAir Certification Services certification or an alternate certification body approved by the 6C Toll Operators Coalition) statement of device-standards compliance with the most recent revision of the 6C TOC Standard (**Appendix B**). Said statement must be provided to SRTA as a condition precedent to SRTA paying for any Transponders. All transponders procured under this contract will conform with the 6C TOC Standard. Should the 6C TOC Standard be updated during the term of this contract, upon SRTA’s direction, subsequent transponders delivered to SRTA will conform to the updated specification, at no additional cost to SRTA. Failure to obtain certification will constitute a breach of the Contract awarded pursuant to this ITB.
- 27.1.4 Bidder’s proposed Transponder(s) must remain in compliance with the appropriate protocol(s) in all vehicle speed, traffic, and weather conditions. In other words, performance and communication capabilities cannot degrade based on the aforementioned factors. Further requirements regarding environmental specifications follow.

### 27.2 Transponder Operational Characteristics and Testing

- 27.2.1 Transponders shall be required to be consistent with the observed operational performance of the current transponders both during product qualification, as well as the contract term. SRTA will make samples of current 6C PeachPass transponders available to Bidders upon request. Characteristics to be evaluated in this testing include: minimum activation energy; return signal strength; and polarization. This will be confirmed by the Bidder’s provision of a sample of 200 transponders total (made up of each type of transponder bid, with the exception of Hang Tag Transponders-See **Section 27.3.2** for more detail on Hang Tag Transponders) per the schedule in **Section 27.12.1**, at no cost to SRTA. Transponders may be tested both in the lab and in test vehicles to ensure they meet all requirements and provide similar performance relative to SRTA’s currently deployed 6C transponders. Test results will be provided to the bidder. The bidder is invited to participate in testing.
- 27.2.2 After a bidder is selected and orders are placed, a sample (either partial or full) of Transponders may also be lab tested (at SRTA’s expense) from each batch delivered to ensure that they remain operationally consistent with previously delivered tags and to ensure the tag programming is correct. Any batches failing testing may be replaced at the supplier’s expense at SRTA’s sole discretion. A batch is considered as failed if there are more than 1 transponder errors per 200 tested (0.5%). SRTA will make available any supporting testing documentation.
- 27.2.3 The transponders shall be serialized to fit in with, and not conflict with, the transponder serial number ranges already procured by SRTA. Specific details shall be requested by the successful Bidder after award, prior to manufacturing.
- 27.2.4 The transponders will be exposed to direct sunlight, which has been known to cause issues with some transponders failing to respond to reader requests and / or providing incorrect reads in some cases. Although some windshields have screening technology, sunlight screening shall be built into both the internal and external transponders themselves to ensure they perform as well under conditions of direct sunlight as in overcast conditions.
- 27.2.5 The Transponders shall be designed to operate as expected under worst case conditions including the following:
- Vehicles traveling up to 100 mph;
  - “Stop and go traffic” with continuous intermittent acceleration and deceleration between 0 and 15 miles per hour;
  - Vehicles tailgating;

- Different mixes of all vehicle types encountered on North American roads including but not limited to cars, trucks, tractor-trailers, recreation vehicles, motorcycles, buses, and delivery vans;
- Vehicles arriving simultaneously at the read zone;
- Vehicles changing and/or straddling lanes;
- Environmental conditions that may be encountered in North America including but not limited to:
  - Temperatures ranging from -40° C to +85° C. (-40° C to +65° C for exterior mounted Transponders)
  - Rain : ¼ inch of rain per minute
  - Fog : 10 feet visibility
  - Ice : ¼ inch thickness between the Transponder and the Antennae
  - Heavy or Blowing Snow : 2 inches of snow per hour
  - All forms of driving precipitation (sleet, hail, blizzard, etc.)
  - Direct sunlight
- Exterior mounted Transponders shall withstand ice, snow, steam, dirt, mud, any solutions used in the lanes, as well as stones and other projectiles such as sand particles and gravel.

#### Resistance to Interference

The transponders shall be resistant to electromagnetic interference or noise, electrical interference, and mechanical interference that may typically be found in an Open Road Tolling environment from sources such as, but not limited to,

- Wireless data and voice services
- satellite radio signals
- GPS devices
- vehicle electronics
- ignition systems
- electrical appliances
- lightning (except for direct hits)
- power tools
- power lines
- power transformers
- mobile and portable communications radios
- Video Enforcement and Automatic Vehicle Classification equipment, including inductive loops and lasers
- security systems
- lighting
- speed radar sources and detectors
- Air conditioning units
- windshield wipers
- detuned engines
- defrosters

### 27.3 Transponder Types

- 27.3.1 Bidder shall supply at least one type of Interior Mount Transponder and at least one type of Exterior Mount Transponder.
- 27.3.2 **DESIRED:** Bidder shall supply at least one type of “Hang Tag” transponder (designed to hang from a vehicle’s rearview mirror – typically used in low speed parking applications). See schedule in section 27.12.1 for timeframe requirements pertaining to the Hang Tag 6C TOC Standard certification.
- 27.3.3 **DESIRED:** If “sticker type” tags are proposed as the primary Interior Mount Transponder, it is desired to have a second hard case type Transponder quoted in the Bid Price sheet and available for purchase by SRTA.

- 27.3.4 Interior Mount Transponders - Interior Mount Transponders must provide the appropriate adhesive material and/or devices to allow them to be affixed to the vehicle in accordance with manufacturer’s mounting instructions and shall not require any additional external power supply in order to meet the performance requirements described herein.
- 27.3.5 Exterior Mount Transponders - Exterior Mount Transponders must either be sticker type transponders (e.g. “headlamp tags”) or provide the appropriate devices to allow them to be affixed to the vehicle in accordance with manufacturer’s mounting instructions and shall not require any additional external power supply in order to meet the performance requirements described herein.
- 27.3.6 **DESIRED:** SRTA currently distributes a portion of Transponders (windshield sticker tags only) via retail outlets via a retail product called “Pay N Go Peach Pass.” The current retail packaging restricts the overall size of the Transponder, including the release liner, to 3.25”W X 1.30”H (the actual Transponder without the release liner is 3.0”W X 1.0”H). SRTA’s desire is to maintain this overall maximum dimension for the windshield sticker tags. If the Bidder’s proposed windshield sticker tag exceeds these dimensions, SRTA will evaluate Bidder’s standard offering and work with the successful Bidder to identify a suitable Transponder for retail distribution.



**27.4 Transponder Bar Codes and Manifest Information**

27.4.1 Transponders shall be bar coded per the 6C TOC Standard, with the exception of headlamp tag transponders, on which barcodes are optional.

27.4.2 With each delivery of Transponders, Bidder will supply an Excel file with worksheets formatted as follows:

27.4.2.1 A single summary sheet for the associated delivery with the following format:

	A	B	C	D	E
1	<b>Bidder Name</b>				
2	<b>List Boxes Delivered</b>				
3	Date shipped	24/11/15			
4	Part number	XXXXXXX			
5	Description	Windshield Sticker Tag, 6C			
6	<b>Box Number</b>	<b>First Barcode</b>	<b>Last Barcode</b>	<b>Quantity</b>	<b>Missing Barcodes</b>
7	1	589,443	590,533	1,000	91
8	2	590,534	591,588	1,000	55
9	3	591,589	592,633	1,000	45
10	4	592,634	593,659	1,000	26
11	5	593,660	594,812	1,000	153
12	6	594,813	595,934	1,000	122
13	7	595,935	601,042	1,000	4,108
14	8	601,043	602,055	1,000	13
15	9	602,056	603,106	1,000	51
16	10	603,107	604,117	1,000	11
17	11	604,118	605,247	1,000	130
18	12	605,248	606,256	1,000	9
19	13	606,257	607,285	1,000	29
20	14	607,286	608,305	1,000	20
21	15	608,306	609,394	1,000	89
22	16	609,395	610,245	500	351
23					

27.4.2.1.1

27.4.2.2 In addition, the workbook will contain one detail sheet for each box/roll delivered, with the following format:

	A	B	C	D	E
1	Barcode	EPC	TID		
2	00589443	355AB1CBA3EFB0508108FE83	E2003412013DF6000CB0789D		Shipped November 24, 2015
3	00589444	355AB1CBA6D674B08108FE84	E20034120132F6000CB07895		Part Number: XXXXXXX
4	00589445	355AB1CBAFB6E3308108FE85	E2003412013FF6000CB0788D		Barcode Range:
5	00589446	355AB1CBAD06CE608108FE86	E20034120139F6000CB07961		00589443-00610245
6	00589447	355AB1CBA57353008108FE87	E2003412013EF6000CB07959		
7	00589448	355AB1CBA54013D08108FE88	E20034120147F6000CB07951		Missing Barcodes
8	00589449	355AB1CBA77824908108FE89	E20034120131F6000CB07949		00589476
9	00589450	355AB1CBABCD82F08108FE8A	E20034120132F6000CB07965		00589477
10	00589451	355AB1CBAFB4B0008108FE8B	E2003412013AF6000CB0795D		00589478
11	00589452	355AB1CBAF5EE1608108FE8C	E2003412013CF6000CB07955		00589479
12	00589453	355AB1CBAE2C83F08108FE8D	E2003412013EF6000CB0794D		00589480
13	00589454	355AB1CBAF019BC08108FE8E	E20034120134F6000CB07A29		00589481
14	00589455	355AB1CBA3E755308108FE8F	E20034120139F6000CB07A21		00589482
15	00589456	355AB1CBA369CBD08108FE90	E20034120132F6000CB07A19		00589483
16	00589457	355AB1CBA13DED208108FE91	E20034120136F6000CB07A11		00589484
17	00589458	355AB1CBA1BBE1508108FE92	E2003412013CF6000CB07A2D		00589485
18	00589459	355AB1CBA00C4A408108FE93	E2003412013EF6000CB07A25		00589486
19	00589460	355AB1CBA403BEC08108FE94	E20034120134F6000CB07A1D		00589487
20	00589461	355AB1CBAB937BD08108FE95	E20034120138F6000CB07A15		00589488
21	.	.	.	.	.
22	.	.	.	.	.
23	.	.	.	.	.

27.4.2.2.1

## 27.5 Transponder Branding

- 27.5.1 All interior-mount Transponders delivered in response to this ITB shall be branded “PeachPass” or any other branding that SRTA may require in the future, and shall not carry any visible manufacturer or vendor brand names. SRTA will provide all required and appropriate “PeachPass” logos and artwork. Transponder graphics will be limited to three (3) colors. For reference only, an image of a current SRTA PeachPass transponder is below. Note SRTA will approve final graphic design of all transponders procured pursuant to this contract.



- 27.5.2 Bidders cannot otherwise use “PeachPass” logo or artwork except as authorized in writing by SRTA.

## 27.6 Production and Delivery Capabilities

- 27.6.1 The Bidder must have 1 year of experience of producing Transponders for tolling applications or if Bidder is a reseller, their supplier must have 1 year of experience of producing Transponders in volumes of 1,000,000 per year or more.
- 27.6.2 Bidder must warrant and represent that they are ready, willing and able to fulfill regular orders of 50,000 Transponders per month delivered within 60 days of receipt of purchase order from SRTA if or when SRTA so requires, throughout the Contract Term.
- 27.6.2.1 The contract awarded shall be an indefinite-delivery/indefinite-quantity (IDIQ) contract for the products specified and effective for the Contract Term (including any renewals). The quantities of products specified in this ITB are estimates only and are not purchased by this ITB.
- 27.6.2.2 Delivery shall be made only as authorized by orders issued under the awarded Contract. The successful Bidder shall furnish to SRTA, when and if ordered, the products specified, in whatever quantities requested.
- 27.6.3 Notwithstanding the foregoing, SRTA shall order at least the quantity of products designated as “minimum order amount” in **Section 26.2** of this ITB.
- 27.6.4 Except for fiscal and other internal limits determined by SRTA, there shall be no limit on the number of orders that may be issued under the awarded Contract. SRTA may issue orders requiring delivery to multiple destinations.
- 27.6.5 Any order issued during the effective period of the Contract and not completed by the Bidder within that time period shall be completed by the Bidder within the time specified in the order. The awarded Contract shall govern the Bidder’s and SRTA’s rights and obligations with respect to that order to the same extent as if the order were completed during the Contract’s effective period.
- 27.6.6 Bidder is required to deliver new products within **sixty (60) calendar days** after receipt of a SRTA order.
- 27.6.7 Shipping Terms shall be FOB: Destination.

## 27.7 Transponder Warranty

- 27.7.1 Bidder warrants and represents that all of their proposed Transponders shall meet the requirements and specifications set forth in this ITB.
- 27.7.2 Bidder warrants and represents that all of its proposed Transponders shall be free from defects in function, labor and materials for a period of six (6) years. The warranty shall commence on the earlier of the two following dates:
  - 27.7.2.1 On the date that the Transponder is assigned to a SRTA customer account; or
  - 27.7.2.2 Twelve (12) months from the date the Transponder is delivered to SRTA's designated location.
- 27.7.3 The warranty period for the replacement Transponder shall include all time remaining in the six (6) year warranty period for the defective Transponder that was returned to Bidder.
- 27.7.4 Bidder shall ensure delivery of replacement Transponders within 30 days of Bidder's receipt of the defective Transponders.

**27.8 Third Party Warranties**

- 27.8.1 Bidder shall list all third party warranties in its Bid (if any). The Bidder shall track and assign to SRTA all third party warranties with respect to the Transponders provided under the Contract awarded pursuant to this ITB.
- 27.8.2 The Bidder's agreements with any third parties shall require that such parties consent to the assignment and enforcement of such warranties and representations to SRTA. The Bidder shall provide these warranties to SRTA within the time set forth in the Schedule.

**27.9 Warranty Process**

- 27.9.1 During the applicable warranty period, Bidder will replace defective equipment.
- 27.9.2 Upon discovery of defective equipment, SRTA or its designated representative shall ship the defective equipment to Bidder. Bidder shall ship replacement equipment to the address specified by SRTA in the documentation included with the defective equipment. Bidder may use any shipping method provided the replacement equipment arrives at the correct destination by the delivery date set forth in the applicable warranty. Bidder shall be liable for all costs of shipping the defective equipment to and from Bidder during the warranty period.
- 27.9.3 **Excessive Failure.** In addition to the costs above, in the event of an Excessive Failure of any of the products delivered to SRTA pursuant to a Contract awarded under this ITB, the successful Bidder shall be liable for all costs incurred by SRTA, including, but not limited to: the public/end user notification costs; and labor and material costs. For purpose of this ITB, "**Excessive Failure**" is defined as a defect in function, labor or materials that is present in ten percent (10%) or more of any line item listed in Bidder's Bid Price Sheet, or any component thereof, during the applicable warranty period. By way of example and not limitation, if 10% of the Transponders activated and assigned to SRTA customer accounts are deemed defective, then Bidder would be responsible for SRTA's costs such as notifying SRTA's customers; establishing and operating locations where SRTA customers could swap out their defective Transponders for a working Transponder; and SRTA administrative costs.

**27.10 Invoicing**

- 27.10.1 Billing invoices must be delivered to SRTA as specified per SRTA purchase orders. Each billing invoice must include the following:
  - 27.10.1.1 SRTA contract number resulting from this ITB.
  - 27.10.1.2 SRTA purchase order number.
  - 27.10.1.3 Date of purchase.

**27.11 Licenses, Permits and Taxes**

27.11.1 Bidder shall comply with local codes, laws, ordinances, regulations, and other requirements applicable to the products and services provided pursuant to this ITB.

**27.12 Schedule**

27.12.1 The successful Bidder shall meet all deadlines and expectations as set forth in the schedule below (“Schedule”).

EVENT	DATE
Receive Initial 200 Transponder sample per <b>Section 27.2.1</b> (SRTA graphics/design not required on initial Transponder sample)	30 days after Notice of Award of Contract
Submit Third Party Warranties to be furnished to SRTA. Also Submit Documentation Required Pursuant to <b>Section 27.1.3 (not applicable to Hang Tags)</b>	45 days after Notice of Award of Contract
Receive Initial Transponder order of 50,000 units (windshield sticker tags).	60 days after SRTA issues P.O.
Submit Documentation Required Pursuant to <b>Section 27.1.3 (Hang Tags only)</b>	120 days after Notice of Award of Contract

The dates above may be changed at SRTA’s discretion. SRTA will forward a copy of any revisions to Bidder. All days referenced above and throughout this ITB shall be calendar days unless expressly provided otherwise.