FORM A

INDIANA FINANCE AUTHORITY
ON BEHALF OF THE LOUISVILLE SOUTHERN INDIANA OHIO RIVER BRIDGES JOINT BOARD
LSIORB TOLL SERVICES PROJECT
INSTRUCTIONS TO PROPOSERS

PROPOSAL LETTER

PROPOSER: _____

Proposal Date: July 14, 2014

The undersigned (**"Proposer"**) submits this proposal (this **"Proposal"**) in response to that certain Request for Proposals (as amended, the "**RFP**") issued by the Indiana Finance Authority (**"IFA"**), an independent public corporation created under the laws of the State of Indiana, on behalf of the Joint Board, dated May 23, 2014, to provide, operate, maintain, and manage a toll collection system, and provide back office toll collection and customer service, for the Ohio River Bridges Project (the "**Project**"), as more specifically described herein and in the documents provided with the RFP (the **"RFP Documents"**). Initially capitalized terms not otherwise defined herein shall have the meanings set forth in the RFP and the RFP Documents.

The RFP was issued on behalf of the Joint Board ("Joint Board") established under the Interlocal Cooperation Agreement for the Design, Procurement, Construction, Financing, Tolling, Operation and Maintenance for the Louisville-Southern Indiana Ohio River Bridges Project (as amended from time to time, the "Interlocal") and the Bi-State Development Agreement ("Development Agreement") among KYTC, KPTIA, IFA and INDOT (collectively, the "States' Parties"), which has authorized IFA to undertake this procurement on behalf of the Joint Board and in cooperation with the other States' Parties.

Subject to the terms below, in consideration for IFA and the Joint Board supplying us, at our request, with the RFP Documents and agreeing to examine and consider this Proposal, the undersigned undertake(s) [jointly and severally] ***[if Proposer team's equity members have not formed the Proposer entity, then leave in words "jointly and severally…" and delete the brackets. Otherwise delete the entire phrase. The bracketed "jointly and severally…" language applies until a Proposer entity is formed, in which case, it will not apply unless the Contractor is a joint venture or partnership]****:*

a) to keep this Proposal open for acceptance initially for 180 days after the Proposal Due Date, without unilaterally varying or amending its terms and without any member or partner withdrawing or any other change being made in the composition of the partnership/joint venture/limited liability company/consortium on whose behalf this Proposal is submitted, without first obtaining the prior written consent of the Joint Board, in its sole discretion; and

b) if this Proposal is accepted, to provide security (including bonds, insurance and letters of credit) for the due performance of the LSIORB Toll Services Agreement (**"Agreement"**) as stipulated in the Agreement and the RFP.

If selected by the Joint Board, Proposer agrees to do the following or to cause the Toll System Provider to do the following: (a) if requested by IFA, on behalf of the Joint Board, in its sole discretion, enter into good faith negotiations with the Joint Board regarding the terms of the Agreement and in accordance with the requirements of the RFP; and (b) perform its obligations as set forth in the ITP and Agreement, including compliance with all commitments contained in this Proposal.

The following individual(s) is/are authorized to enter into negotiations with the Joint Board on behalf of the Proposer and Toll System Provider in connection with this RFP, the Project and the Agreement: _____ ***[insert names]***

Enclosed, and by this reference incorporated herein and made a part of this Proposal, are the following:

- Executive Summary
- Technical Proposal, including Proposer Information and Certifications and Documents,
- Price Proposal

Proposer acknowledges receipt of the following Addenda and sets of questions and responses:

[_____]

Responses issued [_____]

Proposer certifies that its Proposal is submitted without reservation, qualification, assumptions or conditions (except for any express assumptions specifically and explicitly included in the RFP Documents). Proposer certifies that it has carefully examined and is fully familiar with all of the provisions of all of the RFP Documents, has reviewed all materials posted on the Website and the FTP Site, the Addenda and responses to questions, and is satisfied that the RFP Documents provide sufficient detail regarding the obligations to be performed by Toll System Provider and do not contain internal inconsistencies, errors or omissions; that it has carefully checked all the words, figures and statements in this Proposal; that it has conducted a Reasonable Investigation in preparing this Proposal; and that it has notified IFA in writing of any deficiencies or errors in or omissions from any RFP Documents or other documents provided by IFA and of any unusual site conditions observed prior to the date hereof.

Proposer represents that all statements made in the SOQ previously delivered to IFA (as amended and resubmitted) are true, correct and accurate as of the date hereof, except as otherwise specified in the enclosed Proposal and Proposal forms. Proposer agrees that such

SOQ, except as modified by the enclosed Proposal and Proposal forms, is incorporated as if fully set forth herein.

Proposer understands that the Joint Board is not bound to award the Agreement to the best financial Proposal or any Proposal that IFA, on behalf of the Joint Board, may receive.

Proposer further understands that all costs and expenses incurred by it in preparing this Proposal and participating in the RFP process will be borne solely by the Proposer.

Subject to Proposer's rights under the Public Records Act, Proposer consents to disclosure by IFA and the Joint Board of its Proposal pursuant to Indiana Code 8-15.5-4-6(c) and Indiana Code 8-15.5-4-13 to any Persons, in IFA's sole discretion, after award of the Agreement and execution of the Agreement by the Joint Board and acknowledges and agrees to the provisions and deadlines set forth in ITP Section 1.8.4. Proposer acknowledges and agrees to the disclosure terms of the ITP and that observers and individuals may conduct reviews on behalf of USDOT and FHWA with respect to the successful Proposal. Proposer expressly waives any right to contest such disclosures.

Proposer agrees that none of IFA, the Joint Board or the States' Parties will be responsible for any errors, omissions, inaccuracies, inconsistencies or incomplete statements in this Proposal.

Proposer acknowledges the procurement protest procedures set forth in Section 6 of the ITP and agrees that if it files a protest of this procurement or award of an Agreement hereunder and that protest is denied or is otherwise unsuccessful, shall be liable to IFA for IFA's costs incurred to defend against or resolve the protest, including legal and consultant fees and costs, and any unavoidable damages sustained by IFA and the Joint Board as a consequence of the protest.

This Proposal shall be governed by and construed in all respects according to the laws of the State of Indiana.

Proposer's business address:

_____

(No.) (Street) (Floor or Suite)

_____

(City) (State or Province) (ZIP or Postal Code) (Country)

State or Country of Incorporation/Formation/Organization: _____

[insert appropriate signature block from following pages]

1. Sample signature block for corporation or limited liability company:

[Insert the proposer's name]

By: _____

Print Name: _____

Title: _____

2. Sample signature block for consortium, partnership or any other form of joint venture:

[Insert the proposer's name]

By: *[Insert general partner's or member's name]*

By: _____

Print Name: _____

Title: _____

[Add signatures of additional general partners or members as appropriate]

3. Sample signature block for attorney in fact:

[Insert the proposer's name]

By: _____

Print Name: _____
Attorney in Fact

ADDITIONAL INFORMATION TO BE PROVIDED WITH PROPOSAL LETTER:

A. If the Proposer is a corporation, enter the state or country of incorporation in addition to the business address. If the Proposer is a partnership, enter the state or country of formation. If the Proposer is a limited liability company, enter the state or country of organization.

B. Describe in detail the legal structure of the Proposer/Toll System Provider and Equity Members.

1. If Proposer/Toll System Provider/Equity Member is a corporation or includes a corporation as a joint venture member, partner or member, provide articles of incorporation and bylaws for the Proposer/Toll System Provider/Equity Member and each corporation certified by an appropriate individual. If any entity is not yet formed, so state and indicate that these documents will be provided prior to commercial close as required by the ITP.

2. If Proposer/Toll System Provider/Equity Member is a partnership or includes a partnership as a joint venture member, partner or member, attach full names and addresses of all partners and the equity ownership interest of each entity, provide the incorporation, formation and organizational documentation for the Proposer/Toll System Provider/Equity Member (partnership agreement and certificate of partnership for a partnership, articles of incorporation and bylaws for a corporation, operating agreement for a limited liability company and joint venture agreement for a joint venture) certified by an appropriate individual. If any entity is not yet formed, so state and indicate that these documents will be provided prior to commercial close as required by the ITP.

3. If Proposer/Toll System Provider/Equity Member is a consortium, joint venture or includes a joint venture as a joint venture member, partner or member, attach full names and addresses of all consortium or joint venture members and the equity ownership interest of each entity, provide the incorporation, formation and organizational documentation for Proposer/Toll System Provider/Equity Member (partnership agreement and certificate of partnership for a partnership, articles of incorporation and bylaws for a corporation, operating agreement for a limited liability company and joint venture agreement for a joint venture) certified by an appropriate individual. If any entity is not yet formed, so state and indicate that these documents will be provided prior to commercial close as required by the ITP.

4. If Proposer/Toll System Provider/Equity Member is a limited liability company or includes a limited liability company as a joint venture member, partner or member, attach full names and addresses of all members and the equity ownership interest of each entity, provide the incorporation, formation and organizational documentation for Proposer/Toll System Provider/Equity Member (partnership agreement and certificate of partnership for a partnership, articles of

incorporation and bylaws for a corporation, operating agreement for a limited liability company and joint venture) certified by an appropriate individual. Attach evidence to the Proposal Letter, in respect of the Proposal, and to each letter required under the Proposal Letter that the person signing has authority to do so. If any entity is not yet formed, so state and indicate that these documents will be provided prior to commercial close as required by the ITP. For purposes of clarity, Proposer may append to the Proposal Letter a letter from each person signing the Proposal that such person has the authority to do so, which shall suffice for the purposes of the requirements set forth in this Section B.4.

For purposes of this Section B, the term "organizational documentation" in respect of an Equity Member shall mean such entity's certificate of formation/articles of incorporation/certificate of partnership/joint venture agreement, or equivalent charter documentation; provided, further, that such entity shall provide its partnership agreement/operating agreement/bylaws/equivalent joint venture or investment fund internal governing organizational documentation prior to commercial close as required by the ITP.

C. With respect to authorization of execution and delivery of the Proposal and validity thereof, if Proposer is a corporation, it shall provide evidence in the form of a resolution of its governing body certified by an appropriate officer of the corporation. If Proposer is a partnership, such evidence shall be in the form of a partnership resolution and a general partner resolution (as to each general partner) providing such authorization, in each case, certified by an appropriate officer of the general partner. If Proposer is a limited liability company, such evidence shall be in the form of a limited liability company resolution and a managing member(s) resolution providing such authorization, certified by an appropriate officer of the managing member(s). If there is no managing member, each member shall provide the foregoing information. If Proposer is a consortium or other form of joint venture, such evidence shall be in the form of a resolution of each consortium or joint venture member, certified by an appropriate officer of such consortium or joint venture member. If Proposer is a consortium, joint venture or a partnership, the Proposal must be executed by all consortium or joint venture members or all general partners, as applicable. If the form used for authorization is other than a resolution, as described above, Proposer shall provide such other authorization document as is acceptable to the Joint Board, in its sole discretion.

D. Toll System Provider's partnership agreement, limited liability company operating agreement, charter or joint venture agreement, as applicable, must include an express provision satisfactory to the Joint Board, in its sole discretion, stating that, in the event of a dispute between or among joint venture members, partners, members or shareholders, as applicable, no joint venture member, partner, member or shareholder, as applicable, shall be entitled to stop, hinder or delay work on the Project. Proposers should submit the applicable agreement to IFA and identify on a cover page where in the agreement the provision can be found. If Toll System Provider is not yet formed, provide draft organizational documents and indicate where the provision is found.

FORM B-1

IDENTIFICATION OF PROPOSER AND EQUITY MEMBERS

NAME OF ENTITY AND CONTACT INFORMATION (address, representative, phone, fax, e-mail)	ROLE OF ENTITY IN PROPOSER ORGANIZATION	Indiana and Kentucky Contractor Licenses (if applicable)	Description of Work/Services To Be Performed By Entity (if applicable)

The above information is true, correct and accurate.

Executed _____, 2014.

_____
(Signature)

_____
(Name Printed)

_____
(Title)

_____
(Proposer)

FORM B-2

INFORMATION ABOUT PROPOSER ORGANIZATION

1.0 Name of Proposer: _____
Name of team member _____

2.0 Type of entity: Proposer: _____
Team member: _____

3.0 Proposer's address: _____

_____

_____

_____
Telephone Facsimile

4.0 How many years (measured from the date of issuance of the RFQ) has Proposer, each Equity Member and each Major Subcontractor been in its current line of business and how many years (measured from the date of issuance of the RFQ) has each entity been in business under its present name?

Name	No. of years in business	No. of years under present name

5.0 Under what other or former names have Proposer, Equity Members and Major Subcontractors operated?

Proposer:_____

_____ _____

_____ _____

_____ _____

_____ _____

6.0 Proposer shall list below any Key Personnel and other key staff members and their relevant experience that have been approved by the Joint Board since the submission of Key Personnel under the ITP. Except as updated by the following information, Proposer's SOQ is hereby incorporated as if set forth in full and Proposer represents and warrants to the Joint Board that the information set forth in the SOQ, except as set forth herein, is true, complete and accurate in all respects and does not contain any misleading or incorrect information or omit to state a material fact necessary in order to make the information not misleading. Attach separate sheets if necessary.

_____

_____

_____

_____

7.0 List all Indiana and Kentucky licenses held by Proposer, any Equity Member and each Major Subcontractor. Attach copies of all Indiana and Kentucky licenses. Attach a separate sheet if necessary.

_____

_____

_____

_____

8.0 The Proposal shall include the following information regarding the Surety/Bonding companies or banking institutions committing to provide the Payment and Performance Bonds in accordance with Section 8 of the Agreement:

(a) Name and address of bonding company(ies) that will provide the surety bonds required by the Agreement (must be an Eligible Surety)

(b) Whether or not the listed bonding company has defaulted on any obligation within the past ten years (measured from the date of issuance of the RFQ), and,

if so, a description and details of the circumstances and the outcome of such default.

(c) If the performance security is in the form of a letter of credit, the name of the bank or financial institution issuing the letter of credit (must be an Eligible Financial Institution).

I declare under penalty of perjury under the laws of the State of Indiana that the foregoing declaration is true, correct and accurate.

Executed _____, 2014

_____
(Signature)

_____
(Name Printed)

_____
(Title)

_____
(Proposer)

FORM B-3

INFORMATION ABOUT MAJOR SUBCONTRACTORS AND IDENTIFIED SUBCONTRACTORS

Proposer Name _____

Name of Entity and Contact Information (address, representative, phone, fax, e-mail)	Address of Head Office	Indiana and/or Kentucky Contractor License (if applicable)	Description of Work/Services To Be Performed By Entity (if applicable)	Identified Subcontractor(Y/N)

If any Subcontractor identified above is a single purpose entity formed for the Project, complete the following matrix for each such single purpose entity:

Name of Subcontractor	Form of Entity (partnership, joint venture, LLC, corporation, etc.)	Entities with Ownership Interest	Percentage of Ownership Interest
Ex: Contractor AB, JV	Joint venture	Contractor A	60%
		Contractor B	40%

Add additional sheet(s) as necessary.

The undersigned Proposer hereby certifies that it has not entered into any substantive negotiations resulting in an agreement to enter into any Subcontracts with respect to the Project, except for those listed above. Proposer agrees that it will follow applicable Contract Documents requirements with respect to Subcontractors.

I declare under penalty of perjury under the laws of the State of Indiana that the foregoing declaration is true, correct and accurate.

Executed _____, 2014.

_____
(Signature)

_____
(Name Printed)

_____
(Title)

_____
(Proposer)

FORM C

RESPONSIBLE PROPOSER, EQUITY MEMBER AND MAJOR SUBCONTRACTOR QUESTIONNAIRE

PROPOSER'S NAME: _____

NAME OF ENTITY ON WHOSE BEHALF FORM IS PROVIDED: _____

1. Questions

Proposer/Equity Member/Major Participant shall respond either "yes" or "no" to each of the following questions. If the response is "yes" to any question(s), a detailed explanation of the circumstances shall be provided in the space following the questions. Proposer/Equity Member/Major Participant shall attach additional documentation as necessary to fully explain said circumstances. Failure to either respond to the questions or provide adequate explanations may preclude consideration of the proposal and require its rejection.

The term **"affiliate"** means parent companies at any tier, subsidiary companies at any tier, entities under common ownership, joint ventures and partnerships involving such entities (but only as to activities of joint ventures and partnerships involving the Proposer, any Equity Member or any Major Subcontractor as a joint venturer or partner and not to activities of other joint venturers or partners not involving the Proposer, any Equity Member or any Major Subcontractor), and other financially liable or responsible parties for the entity, that within the past five years (measured from the date of issuance of the RFQ) have engaged in business or investment in North America. The information sought for affiliates is limited to the projects and matters that have occurred within the past five years (measured from the date of issuance of the RFQ) in North America.

Within the past ten years (measured from the date of issuance of the RFQ), has the identified entity, any affiliate, or any officer, director, responsible managing officer or responsible managing employee of such entity or affiliate who has a proprietary interest in such entity:

a) Been disqualified, removed, debarred or suspended from performing work for the federal government, any state or local government, or any foreign governmental entity?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

b) Been convicted by a court of competent jurisdiction of any criminal charge of fraud, bribery, collusion, conspiracy or any act in violation of state, federal or

foreign antitrust law in connection with the bidding or proposing upon, award of or performance of any public works contract with any public entity?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

c) Had filed against it, him or her, any criminal complaint, indictment or information alleging fraud, bribery, collusion, conspiracy or any action in violation of state or federal antitrust law in connection with the bidding or proposing upon, award of or performance of any public works contract with any public entity?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

d) Had filed against it, him or her, any civil complaint (including but not limited to a cross-complaint) or other claim arising out of a public works contract, alleging fraud, bribery, collusion, conspiracy or any act in violation of state or federal antitrust law in connection with the bidding or proposing upon, award of or performance of any public works contract with any public entity?

Yes ___ No ___

e) Been found, adjudicated or determined by any federal or state court or agency (including, but not limited to, the Equal Employment Opportunity Commission, the Office of Federal Contract Compliance Programs and any applicable Indiana governmental agency) to have violated any laws or Executive Orders relating to employment discrimination or affirmative action, including but not limited to Title VII of the Civil Rights Act of 1964, as amended (42 U.S.C. Sections 2000e et seq.); the Equal Pay Act (29 U.S.C. Section 206(d)); and any applicable or similar Indiana law.

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

f) Been found, adjudicated, or determined by any state court, state administrative agency, including, but not limited to, the Indiana Department of Labor and Workforce Development, federal court or federal agency, to have violated or failed to comply with any law or regulation of the United States or any state governing prevailing wages (including but not limited to payment for health and welfare, pension, vacation, travel time, subsistence, apprenticeship or other training, or other fringe benefits) or overtime compensation?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

g) Been convicted of violating a state or federal law respecting the employment of undocumented aliens?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

h) Been indicted or convicted of any other felony or serious misdemeanor?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

i) Been found liable in a civil suit or found guilty in a criminal action for making any false claim or other material misrepresentation to a public entity?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

j) Performed or managed a construction project that involved repeated or multiple failures to comply with safety rules, regulations, or requirements?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

k) If not previously answered or included in a prior response on this form, been involved in any proceeding, claim, matter, suit, indictment, etc. currently pending against the firm that could result in the firm being found liable, guilty or in violation of the matters referenced above and/or subject to debarment, suspension, removal or disqualification by the federal government, any state or local government, or any foreign governmental entity?

If yes, please explain the circumstances. If no, so state.

Yes ___ No ___

Explain the circumstances underlying any “yes” answers for the aforementioned questions on separate sheets attached hereto.

2. Verification / Declaration

I declare under penalty of perjury under the laws of the State of Indiana that the foregoing declaration is true, correct and accurate.

Executed _____, 2014.

_____
(Signature)

_____
(Name Printed)

_____
(Title)

_____
(Name of Organization)

FORM D

NON-COLLUSION AFFIDAVIT

STATE OF _____)
)SS:
COUNTY OF _____)

Each of the undersigned, being first duly sworn, deposes and says that:

A. _____ is the _____ of _____ and _____ is the _____ of _____, which entity(ies) are the _____ of _____, the entity making the foregoing Proposal.

B. The Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, joint venture, limited liability company or corporation; the Proposal is genuine and not collusive or sham; the Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham Proposal, and has not directly or indirectly colluded, conspired, connived or agreed with any Proposer or anyone else to put in a sham Proposal or that anyone shall refrain from proposing; Proposer has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix the prices of Proposer or any other Proposer, or to fix any overhead, profit or cost element (including the Contract Price or its components) included in the Proposal, or of that of any other Proposer, or to secure any advantage against the Joint Board or anyone interested in the proposed agreement; all statements contained in the Proposal are true; and, further, Proposer has not, directly or indirectly, submitted its prices or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, joint venture, limited liability company, organization, Proposal depository or any member, partner, joint venture member or agent thereof to effectuate a collusive or sham Proposal.

C. Proposer will not, directly or indirectly, divulge information or data regarding the price or other terms of its Proposal to any other Proposer, or seek to obtain information or data regarding the price or other terms of any other Proposal, until after award of the Agreement or rejection of all Proposals and cancellation of the RFP.

_____	_____
(Signature)	(Signature)
_____	_____
(Name Printed)	(Name Printed)
_____	_____
(Title)	(Title)

Subscribed and sworn to before me this ___ day of _____, 2014.

_____
Notary Public in and for
said County and State

[Seal]

My commission expires: _____.

[Duplicate or modify this form as necessary so that it accurately describes (i) the entity making the Proposal and so that it is signed by and on behalf of all partners, members, joint venture members, and (ii) Equity Members of the Proposer.]

FORM E

BUY AMERICA CERTIFICATION

(To be signed by authorized signatory(ies) of Proposer)

The undersigned Proposer hereby certifies on behalf of itself and all contractors (at all tiers) the following with regard to the Project:

a. Proposer shall comply with the Federal Highway Administration ("FHWA") Buy America Requirements of 23 CFR 635.410, which permits FHWA participation in the Agreement only if domestic steel and iron will be used on the Project. To be considered domestic, all steel and iron used and all products manufactured from steel and iron must be produced in the United States and all manufacturing processes, including application of a coating, for these materials must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied. This requirement does not preclude a minimal use of foreign steel and iron materials, provided the cost of such materials does not exceed 0.1% of the design-build contract price.

b. A false certification is a criminal act in violation of 18 U.S.C. 1001. Should this Agreement be investigated, Proposer has the burden of proof to establish that it is in compliance.

c. At Proposer's request, the Joint Board may, but is not obligated to, seek a waiver of Buy America requirements if grounds for the waiver exist. However, Proposer certifies that it will comply with the applicable Buy America requirements if a waiver of those requirements is not available or not pursued by the Joint Board.

Date: _____

Signature: _____

Title: _____

Proposer's Name: _____

FORM F

CONFLICT OF INTEREST DISCLOSURE STATEMENT

Proposer's attention is directed to 23 CFR Part 636, Subpart A and in particular to Subsection 636.116 regarding organizational conflicts of interest. Section 636.103 defines "organizational conflict of interest" as follows:

> Organizational conflict of interest means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the owner, or the person's objectivity in performing the contract work is or might be otherwise impaired, or a person has an unfair competitive advantage.

Proposers are advised that in accordance with Section 2.10.2 of the Instructions to Proposers, certain firms will not be allowed to participate on any Proposer's team for the Project because of their work with IFA, the Joint Board or any States' Party in connection with the Project procurement and document preparation.

1. Disclosure Pursuant to Section 636.116(2)(v)

In the space provided below, and on supplemental sheets as necessary, identify all relevant facts relating to past, present, or planned interest(s) of the Proposer's team (including the Proposer, Toll System Provider, the Major Subcontractors, proposed consultants and proposed subcontractors, and their respective chief executives, directors, and key project personnel) which may result, or could be viewed as, an organizational conflict of interest in connection with this RFP. If no disclosure is necessary, indicate "None".

Proposer should disclose (a) any current contractual relationships with IFA, the Joint Board and the other States' Parties, (b) any past, present, or planned contractual or employment relationships with any member, officer, or employee of IFA, the Joint Board and the other States' Parties; and (c) any other circumstances that might be considered to create a financial interest in the contract by any member, officer, or employee of IFA, the Joint Board and the other States' Parties if Proposer is awarded the contract. Proposer should also disclose matters such as ownership of 10% or more of the stock of, or having directors in common with, any of the RFP preparers. Proposer should also disclose contractual relationships with an RFP preparer in the nature of a joint venture, as well as relationships wherein the RFP preparer is a contractor or consultant (or subcontractor or subconsultant) to Proposer or a member of Proposer's team. The foregoing is provided by way of example, and shall not constitute a limitation on the disclosure obligations.

2. Explanation

In the space provided below, and on supplemental sheets as necessary, identify steps that have been or will be taken to avoid, neutralize, or mitigate any organizational conflicts of interest described herein.

3. Certification

The undersigned hereby certifies that, to the best of his or her knowledge and belief, no interest exists that is required to be disclosed in this Conflict of Interest Disclosure Statement, other than as disclosed above.

_____
Signature

_____
Name

_____
Title

_____
Company Name

_____, 2014
Date

FORM G

PRICE FORMS

Form G- Price Form Descriptions
General Price Instructions

All Proposers must complete Form G in the format outlined and set forth in the respective forms included as part of Form G. Completion of all of the forms comprising Form G is required. Additional information or supplemental materials about pricing will not be considered or evaluated and only completed Form G shall be considered in the evaluation of the Price Proposal. Each Proposer shall comply with (i) the instructions provided in this section; (ii) the instructions provided above each of the forms comprising Form G; and (iii) the instructions provided in the notes below certain selected forms in the Excel Workbook ("Workbook") provided to Proposer for submittal of its Price Proposal. Proposer is solely responsible for submitting an accurate Price Proposal including all quantities, price, formulae, and calculations.

Below is a Table of Contents for this Form G. Form G contains the price forms, which are also reflected as the price sheets contained in the Workbook file which has been provided to Proposer for submittal with its Price Proposal. These forms are referenced to a Workbook tab name that correlates to the tabs contained inside the Workbook. The name of the price sheet set forth in each part of this Form G correlates to each sheet name within the Workbook.

Table G-1

Price Proposal Forms Table of Contents

Form Number	Excel Workbook Tab Name	Name of Price Sheet
G-1	CP- Contract Price	Contract Price - Total Toll Collection System Capital and Operations and Maintenance Price
G-2	RS- Roadside	Total Roadside, Network, Generator, and CMS Price
G-3	BO- Back Office	Total Back Office System (BOS) and Disaster Recovery (DR) Price
G-4	TC- TOC and System Monitoring	Total TOC Planning, and TOC Pre-Toll Operations and System Monitoring Price

Table G-1 Price Proposal Forms Table of Contents		
Form Number	**Excel Workbook Tab Name**	**Name of Price Sheet**
G-5	CS- Customer Service Center	Total CSC Pre-Toll Operations Price
G-6	PM- Project Management	Total Project Management and Planning Documents Price
G-7	T- Tests	Total End to End Tests Price
G-8	DM- Data Mart	Total Data Mart Price
G-9	BI- Bonds and Insurance	Total Bonds and Insurance Price
G-10	OMR- Roadside	Total Roadside and CMS Operations and Maintenance Price Per Contract Term
G-11	OMN- Network	Total Network Maintenance Price Per Contract Term
G-12	OMH- Host	Total Back Office System (BOS) Hosting Price Per Contract Term
G-13	OMB- BO IT	Total Back Office System (BOS) IT Operations and Maintenance Price Per Contract Term
G-14	OMT- TOC	Total Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term
G-15	OMC- CSC	Total Customer Service Center Operations and Maintenance Price Per Contract Term
G-16	Hourly Rates	Hourly Rates
G-17	Major Spares	Major Spare Parts
G-18	MOT	Maintenance of Traffic

Proposers shall complete the Form G within the Workbook file directly onto the sheets contained in the Workbook. The calculations within the Workbook are provided for ease of use by Proposers but the accuracy and completeness of all calculations, formulae, quantities, and prices are the responsibility of the Proposer.

Additionally, provided below is a legend for use in connection with the Workbook denoting what each colored cell represents in the various forms comprising Form G and the applicable required input from Proposers.

TABLE G-2 Workbook Legend		
Colored Cells	**Legend**	**Instructions to PROPOSER**
	Black header denotes title of each tab in the Workbook	Proposer shall not fill in or change
	Blue header denotes descriptions of milestones in column	Proposer shall not fill in or change
	Gray shaded areas are areas which are not applicable for the particular milestone	Proposer shall not fill in or change
White	Quantities, Price, Unit Price, or Total Price	In blank white areas, Proposer is required to fill in with quantity, price, or number or enter "0", if applicable. In white areas with "$0," Proposer is required to fill in price or leave "$0."
	Intermediate Summary Price inside a tab in Workbook	Formula provided and represents a partial section total within a tab in Workbook -Proposer to fill in Intermediate Summary Price
	Total Cumulative Summary Price for a single tab in Workbook	Formula provided and represents a single tab total within Workbook - Proposer to fill in Cumulative Summary Price

TABLE G-2 Workbook Legend		
Colored Cells	**Legend**	**Instructions to PROPOSER**
	Total Cumulative Summary Price for Capital or Operations and Maintenance Price	Formula provided and represents a cumulative summary within Workbook -Proposer to fill in Cumulative Summary Price
	Total Cumulative Summary Price for TCS Capital and Operations and Maintenance	Formula provided and represents a cumulative summary within Workbook -Proposer to fill in Cumulative Summary Price

All Payment Milestones in Form G have a unique Payment Milestone number (i.e., RS-003). The first two letters of the Payment Milestone number represent in which category of work the Payment Milestone is contained and under which tab in the Workbook the Payment Milestone is located (i.e., RS represents the Roadside System category and is located in the "Roadside" tab of the Workbook). The numbers that follow the first two letters are the Payment Milestone individual identifier (i.e., 003).

For all intermediate and cumulative summary prices, a written description of all formulae is provided on each form and included in the appropriate cells of the Workbook. Some Payment Milestones and item numbers shall be transferred from one tab and entered into an item number in another tab. Tables in this set of instructions describe these required transfers. Proposer is responsible for confirming that the required Payment Milestones and item numbers are accurately transferred between each tab.

All prices must be submitted in US dollars currency. All forms comprising Form G must be completed in accordance with Table G-2 above. Enter "0" (zero) if no price will be charged for a particular Payment Milestone. White cells should not be left blank. In some instances, Proposer must enter quantities, unit price and a total price or a combination thereof. All labor rates shall be inclusive of all overhead, profit, markup, and benefits (see Section 12.2 of the Agreement). All materials prices shall include all overhead profit, markup, and sales tax (see Section 12.2 of the Agreement). Management and oversight and associated markups, profit and overhead for the Project shall be included in the project management price (see Section 12.2 of the Agreement).

All operation and maintenance prices shall be inclusive of all consumables and components which are usual, customary and necessary for providing the scope of

services as described in the Technical Requirements and in each Payment Milestone in Exhibit CC of the Agreement. For each Payment Milestone which Proposers are asked to provide a price in Form G, a description and provisions concerning when that Payment Milestone is considered complete and can be invoiced is described in Exhibit CC of the Agreement. Year 7 prices shall be based upon 12 months. If the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.

Please note different quantities of measure appear in Form G. Proposers shall supply unit prices, or prices for lump sum milestones, and/or intermediate or cumulative total prices as designated in Form G.

Allocation of the Contract Price among Payment Milestones should be balanced. See ITP Section 4.2.1 and Section 4.10 regarding balancing and negotiation of the allocations among Payment Milestones with the Preferred Proposer.

FORM G-1- Contract Price Form

The Contract Price form is denoted as Form G-1 and located under the CP-Contract Price tab in the Workbook and entitled Contract Price - Total Toll Collection System Capital and Operations and Maintenance Price. Form G-1 represents the full price for the Project and all work required by the Contract Documents, including capital and operations and maintenance costs, other than costs covered under (i) Form G-16 and located under the Hourly Rates tab in the Workbook and entitled Hourly Rates for Extended Services; (ii) Form G-17 and located under the Major Spare Parts tab in the Workbook and entitled Major Spare Parts; and (iii) Form G-18 and located under the MOT tab in the Workbook and entitled Maintenance of Traffic.

Proposers shall submit a price in Form G-1 for all item numbers CP-01 through CP-017 listed in the Contract Price Sheet in the Workbook, and identified as intermediate summaries or cumulative summaries in Exhibit CC to the Agreement. Proposers shall replace all "$0" with their proposed price for each item number or shall leave the "$0" indicating there is no cost for that particular item number.

Each item number on Form G-1 shall be completed by transferring a cumulative or intermediate price summary that is indicated on another form that is part of Form G. Table G-1-1 below describes which item numbers on Form G-1 are transferred from other forms within Form G to Form G-1. Proposers are responsible for confirming that the required item numbers are accurately transferred from the other forms to Form G-1. Formulae have been included for ease of use but are the responsibility of the Proposer.

Three intermediate and cumulative summary milestones are required on Form G-1, identified as ***CP-009, CP-0016, and CP-0017.*** Each item number and its formula are described below.

CP-009- Intermediate Summary

Table G-1-1 describes the summary item number which shall be transferred from another form to Form G-1, to indicate the cumulative Total Toll Collection System Capital Price, CP-009.

Table G-1-1			
Item No.	**Transfer from Tab Name**	**Transfer from Form No.**	**Item No.**
CP-001	RS- Roadside	G-2	RS-0029
CP-002	BO- Back Office	G-3	BO-0013
CP-003	TC- TOC and System Monitoring	G-4	TO-0012
CP-004	CS- Customer Service Center	G-5	CS-003
CP-005	PM- Project Management	G-6	PM-009
CP-006	T- Testing	G-7	T-006
CP-007	DM- Data Mart	G-8	DM-003
CP-008	BI- Bonds and Insurance	G-9	BI-0015

CP-009- Intermediate Summary

The Total Toll Collection System Capital Price, identified as item number CP-009, is the aggregate price of eight (8) item numbers. The eight (8) item numbers are the Total Roadside, Network, Generator and CMS Price, CP-001; plus the Total Back Office System (BOS) and Disaster Recovery (DR) Price, CP-002; plus the Total TOC Planning and TOC Pre-Toll Operations and System Monitoring Price, CP-003; plus the Total CSC Pre-Toll Operations Price, CP-004, plus the Total Project Management and Planning Documents Price, CP-005; plus the Total End to End System Tests Price, CP-006; plus the Total Data Mart Price, CP-007; plus the Total Bonds and Insurance Price, CP-008.

The formula for item number CP-009, Total Toll Collection System Capital Price is as follows:

CP-009 = CP-001+CP-002+CP-003+CP-004+CP-005+CP-006+CP-007+CP-008.

CP-016- Intermediate Summary

Table G-1-2 describes the item number which shall be transferred from another form to Form G-1 to indicate the cumulative total item number CP-0016, Total Toll Collection System Operations and Maintenance Price.

Table G-1-2			
Item No.	**Transfer from Tab Name**	**Transfer from Form No.**	**Item No.**
CP-0010	OMR- Roadside	G-10	OMR-0011
CP-0011	OMN- Network	G-11	OMN-004
CP-0012	OMH- Hosting	G-12	OMH-004
CP-0013	OMB- BO IT	G-13	OMB-004
CP-0014	OMT-TOC	G-14	OMT-004
CP-0015	OMC-CSC	G-15	OMC-004

The Total Toll Collection System Operations and Maintenance Price, item number CP-0016, on Form G-1, is the aggregate price of six (6) item numbers. The six (6) item numbers are the Roadside and CMS Operations and Maintenance Price Per Contract Term, CP-0010; plus the Network Maintenance Price Per Contract Term, CP-0011; plus the Back Office System (BOS) Hosting Price Per Contract Term, CP-0012; plus the Back Office System (BOS) IT Operations and Maintenance Price Per Contract Term, CP-0013, plus the Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term, CP-0014; plus the Customer Service Center Operations and Maintenance Price Per Contract Term, CP-0015.

The formula for item number CP-0016, Total Toll Collection System Operations and Maintenance Price, is as follows:

CP-0016 = CP-0010+CP-0011+CP-0012+CP-0013+CP-0014+CP-0015.

CP-017- Cumulative Summary

The Total Toll Collection System Capital and Operations and Maintenance Price, identified as item number CP-0017 on Form G-1 is the aggregate price of two (2) item numbers. The two (2) item numbers are the Total Toll Collection System Capital Price, CP-009; plus the Total Toll Collection System Operations and Maintenance Price, CP-0016.

The formula for item number CP-0017, Total Toll Collection System Capital and Operations and Maintenance Price, is as follows:

CP-0017 = CP-009+CP-0016

FORM G-2- Total Roadside, Network, Generator and CMS Price

Proposers shall submit a price on Form G-2 for all Payment Milestones RS-001 through RS-008, RS-0011 through RS-0016, RS-0019 through RS-0023, and RS-0026 through RS-0027 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-2 for which the Proposer is asked to provide a price, a description of such Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

Unit Prices

Unit prices shall be provided for Payment Milestones RS-002, RS-004, RS-007, RS-0014, RS-0020, RS-0021 and RS-0026. Proposers shall provide a unit price for each such Payment Milestone and a total price for that Payment Milestone. The total price for each such Payment Milestone shall be the proposed unit price multiplied by the unit of measure listed for such Payment Milestone.

Total Price for the above Payment Milestones in which unit prices are requested from Proposer shall be calculated as follows:

Proposer unit price * unit of measure = Total Price for the Payment Milestone.

Five intermediate and cumulative summaries are required on Form G-2, identified as ***RS-009, RS-0017, RS-0024, RS-0028, and RS-0029.*** Each intermediate and cumulative summary and its formula are described below.

RS-009- Intermediate Summary

The Total Roadside Price, item number RS-009, shall be the sum of Payment Milestones RS-001, RS-002, RS-003, RS-004, RS-005, RS-006, RS-007 and RS-008.

RS-0017- Intermediate Summary

The Total Network Price, item number RS-0017, shall be the sum of Payment Milestones RS-0011, RS-0012, RS-0013, RS-0014, RS-0015, and RS-0016.

RS-0024- Intermediate Summary

The Total Generator Price, item number RS-0024, shall be the sum of Payment Milestones RS-0019, RS-0020, RS-0021, RS-0022, and RS-0023.

RS-0028- Intermediate Summary

The Total Changeable Message Sign (CMS) and Installation Price, item number RS-0028, shall be the sum of Payment Milestones RS-0026 and RS-0027.

RS-0029- Cumulative Summary

The Total Roadside, Network, Generator, and CMS Price, item number RS-0029, is the aggregate price of the four intermediate summary items identified above. The four intermediate summary items are the Total Roadside Price, RS-009; plus the Total Network Price, RS-0017; plus the Total Generator Price, RS-0024; and the Total Changeable Message Sign(CMS) and Installation Price, RS-0028.

The formula for item number RS-0029, Total Roadside, Network, Generator, and CMS Price is as follows:

RS-0029 = RS-009+RS-0017+RS-0024+RS-0028

FORM G-3- Total Back Office System (BOS) and Disaster Recovery (DR) Price

Proposer shall submit a price in Form G-3 for all Payment Milestones BO-001 through BO-007, and BO-010 through BO-011, and all intermediate and cumulative summaries. Proposer shall replace all "$0" with its proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-3 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

All prices on Form G-3 are lump sum prices. No unit prices are requested on Form G-3.

Three Intermediate and/or cumulative summary items are required on Form G-3, identified as ***BO-008 and BO-0012, and BO-0013***. Each intermediate summary and cumulative summary and its formula are described below.

BO-008- Intermediate Summary

The Total Back Office System (BOS) Price, item number BO-008, shall be the sum of Payment Milestones BO-001, BO-002, BO-003, BO-004, BO-005, BO-006, and BO-007.

BO-0012- Intermediate Summary

The Total Disaster Recovery (DR) Price, item number BO-0014, shall be the sum of Payment Milestones BO-0010, and BO-0011.

BO-0013- Cumulative Summary

The Total Back Office System (BOS) and Disaster Recovery (DR) Price, item number BO-0013, is the aggregate price of two (2) intermediate summary items identified above. The two (2) intermediate summary items are the Total Back Office System (BOS) Price, BO-008; and the Total Disaster Recovery (DR) Price, BO-0012.

The formula for item number BO-0013, Total Back Office System (BOS) and Disaster Recovery (DR) Price is as follows:

BO-0013 = BO-008+BO-0012

FORM G-4- Total TOC Planning, and TOC Pre-Toll Operations and System Monitoring Price

Proposer shall submit a price on Form G-4 for all Payment Milestones TO-001 through TO-007, and TO-010 and all intermediate and cumulative summaries. Proposer shall replace all "$0" with its proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-4 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

All prices on Form G-4 are lump sum prices. No unit prices are requested on Form G-4.

Three Intermediate and cumulative summary item numbers are required on Form G-4, identified as ***TO-007 and TO-0010, and TO-0011.*** Each cumulative and summary item and its formula are described below.

TO-007- Intermediate Summary

The Total TOC Planning Price, item number, TO-007, shall be the sum of Payment Milestones TO-001, TO-002, TO-003, TO-004, TO-005, and TO-006.

TO-0010- Intermediate Summary

The Total TOC Pre-Toll Operations and System Monitoring Price, item number TO-0010, shall be the same price as Payment Milestone TO-09.

TO-0011- Cumulative Summary

The Total TOC Planning, and TOC Pre-Toll Operations and System Monitoring Price, item number TO-0011, is the aggregate price of two (2) intermediate summary items identified above. The two (2) intermediate summary items are the Total TOC Planning Price, TO-007; and the Total TOC Pre-Toll Operations and System Monitoring Price, TO-0010.

The formula for item number TO-011, Total TOC Planning, and TOC Pre-Toll Operations and System Monitoring is as follows:

TO-0011 = TO-007+TO-0010

FORM G-5- Total CSC Pre-Toll Operations Price

Proposer shall submit a price in Form G-5 for all Payment Milestones CS-001 through CS-002 and all intermediate and cumulative summaries. Proposer shall replace all "$0" with its proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-5 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

Unit Prices

Unit prices shall be completed for Payment Milestone CS-002. Proposer shall provide a unit price for each item and a total price for the Payment Milestone. The total price for each Payment Milestone shall be the proposed unit price multiplied by the unit of measure listed for such Payment Milestone.

Total Price for the above noted Payment Milestones in which unit prices are requested from the Proposer shall be:

Proposer unit price * unit of measure = Total Price for the Payment Milestone.

One cumulative summary item is required on Form G-5, identified as ***CS-003***. Each Payment Milestone and its formula are described below.

CS-003- Cumulative Summary

The Total CSC Pre-Toll Operations Price, item number CS-003, is the aggregate price of two (2) Payment Milestones. The two (2) Payment Milestones are the Planning of CSC Prior to Pre-Toll Operations Planning, Payment Milestone CS-001; and the Pre-Toll Operations, Payment Milestone CS-002.

The formula for item number CS-003, Total CSC Pre-Toll Operations Price is as follows:

CS-003 = CS-001+CS-002

FORM G-6- Total Project Management and Planning Documents Price

Proposers shall submit a price on Form G-6 for all Payment Milestones PM-001 through PM-002 and PM-005 through PM-007 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-6 for which the Proposer is asked to provide a price, a description of such Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

All prices on Form G-6 are lump sum prices. No unit prices are requested on Form G-6. All management and oversight and associated markups, profits, and overhead for Payment Milestones PM-001 and PM-002 and PM-005 through PM-007 and for all Pass-Through Cost Items shall be included in the appropriate Payment Milestone.

Three Intermediate and cumulative summary items are required on Form G-6, identified as ***PM-003 and PM-008, and PM-009.*** Each intermediate and cumulative summary item and its formula are described below.

PM-003- Intermediate Summary

The Total Project Management Price, item number PM-003, shall be the sum of Payment Milestones PM-001, and PM-002.

PM-008- Intermediate Summary

The Total Planning Document Price, identified as item number PM-008, shall be the sum of Payment Milestones PM-005, PM-006, and PM-007.

PM-009- Cumulative Summary

The Total Project Management and Planning Document Price, item number PM-009, is the aggregate price of two (2) intermediate summary items identified above. The two (2) intermediate summary items are the Total Project Management Price, PM-003; plus the Total Planning Document Price, PM-008.

The formula for item number PM-009 is as follows:

PM-009 = PM-003+PM-008

FORM G-7- Total End to End Testing Price

Proposer shall submit a price in Form G-7 for all Payment Milestones T-001 through T-005 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-7 which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

All prices on Form G-7 are lump sum prices. No unit prices are requested on this Form G-7.

One cumulative summary item is required on Form G-7, identified as item ***T-006.*** The cumulative summary and its formula are described below.

T-006- Cumulative Summary

The Total End to End System Tests Price, item T-006, is the aggregate price of five (5) Payment Milestones summed together. The five (5) Payment Milestones are the Baseline Test, T-001; the Pre-Production Test, T-002; the System Production Readiness Test, T-003; the Operations Test, T-004; and the System Acceptance Test, T-005.

The formula for item T-006, Total End to End System Testing Price is as follows:

T-006 = T-001 + T-002 + T-003 +T-004 +T-005

FORM G-8- Total Data Mart Price

Proposer shall submit a price in Form G-8 for all Payment Milestones DM-001 through DM-002 and all intermediate and cumulative summaries.. Proposer shall replace all "$0" with its proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-8 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

All prices on Form G-8 are lump sum prices. No unit prices are requested on this Form G-8.

The Proposer shall provide separate price for both options for a Data Mart and its use by the Project. A description of both options is described in Exhibit CC of the Agreement and the Technical Requirements. For purposes of evaluating the Proposer's Price Proposal, the Total Data Mart Price will be the higher of the two prices submitted by the Proposer in Payment Milestone DM-001 or DM-002. The higher of the two prices will be the Data Mart Price that is included as a component of the overall Total TCS Capital Price for the Project, but the price to be paid by the Joint Board for the Data Mart if the Proposer is selected as the Preferred Proposer will depend upon which option ultimately is selected by the Joint Board for delivery of the Data Mart.

DM-003-Higher Price

The Total Data Mart Price is the higher price of the two (2) prices of Payment Milestone DM-001 or Payment Milestone DM-002.

The formula for Payment Milestone DM-003, Total Data Mart Price is as follows:

DM-003 = DM-001, if DM-001 > DM-002 *OR*

DM-003 = DM-002, if DM-002 > DM-001.

FORM G-9- Total Bonds and Insurance Price

Proposer shall submit a price on Form G-9 for all Payment Milestones BI-001 through BI-004 and BI-007 through BI-0013 and all intermediate and cumulative summaries. The Proposer shall replace all "$0" with its proposed price for each Payment Milestone or shall leave the "$0" indicating there is no cost for that particular Payment Milestone.

For each Payment Milestone within Form G-9 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

All prices on Form G-9 are **not to exceed prices**. No unit prices are requested on Form G-9.

Bonds and Insurance shall be priced as Pass-Through Cost Items not to exceed the amount entered in each Payment Milestone for bond premiums and not to exceed the amount entered for each Payment Milestone for insurance premiums. See Section 12.3.1 of the Agreement regarding payment and reimbursement of bond and insurance premiums.

Three intermediate and/or cumulative summary items are required on the Total Bonds and Insurance Price Sheet, identified as item numbers ***BI-005 and BI-0014, and BI-0015.*** Each intermediate and cumulative summary and its formula are described below.

BI-005- Intermediate Summary

The Bonds Price, item number BI-005, shall be the sum of Payment Milestones, BI-001, BI-002, BI-003, and BI-004.

BI-0014- Intermediate Summary

The Insurance Price, identified as item number BI-0014, shall be the sum of Payment Milestones, BI-007, BI-008, BI-009, BI-0010, BI-0011, BI-012, and BI-013.

BI-0015- Cumulative Summary

The Total Bonds and Insurance Price, identified as item number BI-0015, is the aggregate price of the two (2) intermediate summary items identified above. The two (2) intermediate summary items are the Bonds Price, BI-005; and the Insurance Price, BI-0014.

The formula for BI-0015 is as follows:

BI-0015 = BI-005+BI-0014

FORM G-10- Total Roadside and CMS Operations and Maintenance Price Per Contract Term

Proposers shall submit a price on Form G-10 for Payment Milestone OMR-001 and OMR-006 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for the Payment Milestone or shall leave the "$0" indicating there is no cost for the Payment Milestone.

For each Payment Milestone within Form G-10 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

The Total Roadside and CMS Operations and Maintenance Price Per Contract Term as shown on Form G-10, shall include all costs including escalation, inflation, indices, labor and benefit increases, material price escalations and all other costs and charges relating to the Payment Milestones covered by Form G-10.

Unit Price of Operations and Maintenance Price Per Equipment Lane Per Month

Unit prices shall be completed for Payment Milestone OMR-001. Proposer shall provide a unit price for roadside operations and maintenance on a per Equipment Lane per month basis, which shall be multiplied by 12 to determine an annual price. Payment of the Annual Roadside Operations and Maintenance Price shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Roadside Operations and Maintenance Price, OMR-003, using the above calculation for each year 1, 2, 3, 4, 5, 6 and 7.

Unit Price of Operations and Maintenance Price Per Sign Per Month

Unit prices shall be completed for Payment Milestone OMR-006. Proposer shall provide a unit price for changeable message sign operations and maintenance on a per sign per month basis, which shall be multiplied by the number of signs and multiplied by 12 to determine an annual price. Payment of the Annual Changeable Message Sign (CMS) Operations and Maintenance Price shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Changeable Message Sign Operations and Maintenance Price, OMR-009, using the above calculation for each year 1, 2, 3, 4, 5, 6 and 7.

Five Intermediate and/or cumulative summary items are required on Form G-10, identified as items ***OMR-004, OMR-005, OMR-009, OMR-0010 and OMR-0011***. Each intermediate and cumulative summary and its formula are described below.

OMR-004- Intermediate Summary

The unit price entered into item number OMR-001 by the Proposer shall be multiplied by the number of Equipment Lanes identified in item number OMR-002 and then shall be multiplied by 12 months as noted in item number OMR-003 and shall equal the Annual Roadside Operations and Maintenance Price.

Proposer Unit Price Per Equipment Lane Per Month, OMR-001 * Total No. of Equipment Lanes, OMR-002, * 12 months, OMR-003 = Annual Roadside Operations and Maintenance Price, OMR-004.

OMR-005- Intermediate Summary

The Total Roadside Operations and Maintenance Price Per Contract Term, Payment Milestone OMR-005, shall be the aggregate of items OMR-004 (Column C), OMR-004 (Column D), OMR-004 (Column E), OMR-004 (Column F), OMR-004 (Column G), OMR-004 (Column H), and OMR-004 (Column I).

The formula for item number OMR-005 is as follows:

OMR-005 = OMR-004 (Column C) + OMR-004 (Column D) + OMR-004 (Column E) + OMR-004 (Column F) + OMR-004 (Column G) + OMR-004 (Column H) + OMR-004 (Column I).

OMR-009- Intermediate Summary

The unit price entered into item number OMR-006 by the Proposer shall be multiplied by the number of signs identified in item numberOMR-007, and then shall be multiplied by 12 months as noted in item number OMR-008, and shall equal the Annual Changeable Message Sign Operations and Maintenance Price Per Year.

Proposer Unit Price Per Equipment Lane Per Month, OMR-006 * Total No. of Signs, OMR-007, * 12 months, OMR-008 = Annual CMS Operations and Maintenance Price Per Year, OMR-009.

OMR-0010- Intermediate Summary

The Total Changeable Message Sign Operations and Maintenance Price Per Contract Term, item number OMR-0010, shall be the aggregate of items, OMR-009 (Column C), OMR-009 (Column D), OMR-009 (Column E), OMR-009 (Column F), OMR-009 (Column G), OMR-009 (Column H), and OMR-009 (Column I).

The formula for item number OMR-0010 is as follows:

OMR-0010 = OMR-009 (Column C) + OMR-009 (Column D) + OMR-009 (Column E) + OMR-009 (Column F) + OMR-009 (Column G) + OMR-009 (Column H) + OMR-009 (Column I).

OMR-0011- Cumulative Summary

The Total Roadside and CMS Operations and Maintenance Price Per Contract Term, identified as item number OMR-0011, is the aggregate price of two (2) intermediate summary items identified above. The two (2) intermediate summary items are the Total Roadside Operations and Maintenance Price Per Contract Term, OMR-005; plus the Total CMS Operations and Maintenance Price Per Contract Term, OMR-0010.

The formula for item number OMR-0011 is as follows:

OMR-0011 = OMR-005+OMR-0010

FORM G-11- Total Network Maintenance Price Per Contract Term

Proposers shall submit a price on Form G-11 for Payment Milestone OMN-001 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for the Payment Milestone or shall leave the "$0" indicating there is no cost for the Payment Milestone.

For each Payment Milestone within Form G-11 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

Total Network Maintenance Price per Contract Term, as shown on Form G-11, shall include all costs, including escalation, inflation, indices, labor and benefit increases, materials price escalations and all other costs and charges relating to the scope of work covered by Form G-11.

OMN-001 - Unit Price of Operations and Maintenance Price Per Month

Unit prices shall be completed for Payment Milestone OMN-001. Proposer shall provide a unit price for Annual Network Maintenance Per Year on a per month basis, which shall be multiplied by 12 to determine an annual price. Payment of the Annual Network Maintenance Price Per Year shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Network Maintenance Price, OMN-003, using the above calculation for each of years 1, 2, 3, 4, 5, 6, and 7.

Two Intermediate and/or cumulative summary items are required on Form G-11, identified as item ***OMN-003*** *and* item ***OMN-004****.* Each item and its formula are described below.

OMN-003- Intermediate Summary

The unit price entered into Payment Milestone OMN-001 by the Proposer shall be multiplied by 12 months as identified in item number OMN-002 and shall equal the Annual Network Maintenance Price.

Proposer Unit Price Per Month, OMN-001 * 12 months, OMN-002 = Annual Network Maintenance Price, OMN-003.

OMN-004- Cumulative Summary

The Total Network Maintenance Price Per Contract Term, item number OMN-004, shall be the aggregate of items, OMR-003 (Column C), OMR-003 (Column D), OMR-003 (Column E), OMR-003 (Column F)**,** OMN-003 (Column G), OMN-003 (Column H), and OMN-003 (Column I).

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The formula for item number OMN-004 is as follows:

OMN-004 = OMN-003 (Column C) + OMN-003 (Column D) + OMN-003 (Column E) + OMN-003 (Column F) + OMN-003 (Column G) + OMN-003 (Column H) + OMN-003 (Column I).

FORM G-12- Total Back Office System (BOS) Hosting Price Per Contract Term

Proposers shall submit a price on Form G-12 for Payment Milestone OMH-001 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for the Payment Milestone or shall leave the "$0" indicating there is no cost for the Payment Milestone.

For each Payment Milestone within Form G-12 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

Total BOS Hosting Price Per Contract Term as shown on Form G-12, shall include all costs, including escalation, inflation, indices, labor and benefit increases, materials price escalations and all other costs and charges relating the scope of work covered by Form G-12.

OMH-001 - Unit Price of Operations and Maintenance Price Per Month

Unit prices shall be completed for Payment Milestone OMH-001. Proposer shall provide a unit price for Back Office System (BOS) Hosting Price on a per month basis, which shall be multiplied by 12 to determine an annual price. Payment of the Annual Back Office System (BOS) Hosting Price shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Back Office System Hosting Price, OMH-003, using the above calculation for each of years 1, 2, 3, 4, 5, 6, and 7.

Two Intermediate and/or cumulative summary items are required on Form G-12, identified as item number ***OMH-003 and*** item number ***OMH-004.*** Each item and its formula are described below.

OMH-003- Intermediate Summary

The unit price entered into item number OMH-001 by the Proposer shall be multiplied by the number of months identified in item number OMH-002 and shall equal the Annual Back Office System (BOS) Hosting Price.

Proposer Unit Price Per Month, OMH-001 * 12 months, OMH-002 = Annual Back Office System (BOS) Hosting Price, OMH-003.

OMH-004- Cumulative Summary

The Total Back Office System (BOS) Hosting Price Per Contract Term, item number OMH-004, shall be the aggregate of item numbers OMH-003 (Column C), OMH-003 (Column D), OMH-003 (Column E) OMH-003 (Column F), OMH-003 (Column G), OMH-003 (Column H), and OMH-003 (Column I).

The formula for item number OMH-004 is as follows:

OMH-004 = OMH-003 (Column C) + OMH-003 (Column D) + OMH-003 (Column E) + OMH-003 (Column F) + OMH-003 (Column G) + OMH-003 (Column H) + OMH-003 (Column I).

FORM G-13- Total Back Office System (BOS) IT Operations and Maintenance Price Per Contract Term

Proposers shall submit a price on Form G-13 for Payment Milestone OMH-001 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for the Payment Milestone or shall leave the "$0" indicating there is no cost for the Payment Milestone.

For each Payment Milestone within Form G-13 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

Total BOS IT Operations and Maintenance Price Per Contract Term, as shown on Form G-13, shall include all costs, including escalation, inflation, indices, labor and benefit increases, materials price escalations and all other costs and charges relating the scope of work covered by this Form G-13.

OMB-001 - Unit Price of Operations and Maintenance Price Per Month

Unit prices shall be completed for Payment Milestone OMB-001. Proposer shall provide a unit price for Back Office System (BOS) IT Operations and Maintenance Price Per Month, which shall be multiplied by 12 to determine an annual price. Payment of the Annual Back Office System (BOS) IT Operations and Maintenance Price shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Back Office System (IT) Operations and Maintenance Price, OMB-003, using the above calculation for each of years 1, 2, 3, 4, 5, 6, and 7.

Two intermediate and/or cumulative summary items are required on Form G-13, identified as item numbers ***OMB-003 and OMB-004.*** Each intermediate and cumulative summary and its formula are described below.

OMB-003- Intermediate Summary

The unit price entered into item number OMB-001 by the Proposer shall be multiplied by the number of months identified in item number OMB-002 and shall equal the Annual Back Office System (BOS) IT Operations and Maintenance Price.

The formula for item number OMB-003 is as follows:

Proposer Unit Price Per Month, OMB-001 * 12 months, OMB-002 = Annual Back Office System (BOS) IT Operations and Maintenance Price, OMB-003.

OMB-004- Cumulative Summary

The Total Back Office System (BOS) IT Operations and Maintenance Price Per Contract Term, item number OMB-004, shall be the aggregate of item numbers OMB-003 (Column C), OMB-003 (Column D), OMB-003 (Column E), OMB-003 (Column F) OMB-003 (Column G), OMB-003 (Column H), and OMB-003 (Column I).

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The formula for item number OMB-004 is as follows:

OMB-004 = OMB-003 (Column C) + OMB-003 (Column D) + OMB-003 (Column E) + OMB-003 (Column F) + OMB-003 (Column G) + OMB-003 (Column H) + OMB-003 (Column I).

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FORM G-14- Total Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term

Proposers shall submit a price on Form G-14 for Payment Milestone OMT-001 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for the Payment Milestone or shall leave the "$0" indicating there is no cost for the Payment Milestone.

For each Payment Milestone within Form G-14 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

Total TOC Operations and Maintenance Price Per Contract Term as shown on Form G-14, shall include all costs, including escalation, inflation, indices, labor and benefit increases, materials price escalations and all other costs and charges relating the scope of work covered by this Form G-14.

OMT-001 - Unit Price of Operations and Maintenance Price Per Month

Unit prices shall be completed for Payment Milestone OMT-001. Proposer shall provide a unit price for TOC Operations and Maintenance Fee Per Month, which shall be multiplied by 12 to determine an annual price. Payment of the Annual TOC Operations and Maintenance Price shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Toll Operations Center (TOC) Operations and Maintenance Price, OMT-003, using the above calculation for each of years 1, 2, 3, 4, 5, 6, and 7.

Two Intermediate and cumulative summary items are required on Form G-14, identified as item numbers ***OMT-003 and OMT-004.*** Each intermediate and cumulative and its formula are described below.

OMT-003- Intermediate Summary

The unit price entered into item number OMT-001 by the Proposer shall be multiplied by the number of months identified in item number OMT-002 and shall equal the Annual TOC Operations and Maintenance Price.

The formula for item number OMT-003 is as follows:

Proposer Unit Price Per Month, OMT-001 * 12 months, OMT-002 = Annual TOC Operations and Maintenance Price, OMT-003.

OMT-004- Cumulative Summary

The Total Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term, item number OMT-004, shall be the aggregate of Payment Milestones OMT-003 (Column C), OMT-003 (Column D), OMT-003 (Column E), OMT-003 (Column F), OMT-003 (Column G), OMT-003 (Column H), and OMT-003 (Column I).

The formula for item number OMT-004 is as follows:

OMT-004 = OMT-003 (Column C) + OMT-003 (Column D) + OMT-003 (Column E) + OMT-003 (Column F) + OMT-003 (Column G) + OMT-003 (Column H) + OMT-003 (Column I).

FORM G-15- Total Customer Service Center Operations and Maintenance Price Per Contract Term

Proposers shall submit a price on Form G-15 for Payment Milestone OMC-001 and all intermediate and cumulative summaries. Proposers shall replace all "$0" with their proposed price for the Payment Milestone or shall leave the "$0" indicating there is no cost for the Payment Milestone.

For each Payment Milestone within Form G-15 for which the Proposer is asked to provide a price, a description of each Payment Milestone is provided in Exhibit CC of the Agreement. The description identifies the Work that the Toll System Provider will be required to complete in order to submit an invoice for each Payment Milestone. Provisions concerning when a Payment Milestone is considered complete and can be invoiced to the Joint Board are set forth in the Agreement.

The Total Customer Service Center Operations and Maintenance Prices per Contract Term as shown on Form G-15 shall include all costs, including escalation, inflation, indices, labor and benefit increases, materials price escalations and all other costs and charges relating the scope of work covered by Form G-15.

OMC-001 - Unit Price of Operations and Maintenance Price Per Month

Unit prices shall be completed for Payment Milestone OMC-001. Proposer shall provide a unit price for Customer Service Center Operations and Maintenance Price Per Month, which shall be multiplied by 12 to determine an annual price. Payment of the Annual Customer Service Center Operations and Maintenance Price shall be on a monthly basis using 12 equal payments per year. Proposer shall provide an Annual Operations and Maintenance Price, OMC-003, using the above calculation for each year 1, 2, 3, 4, 5, 6 and 7.

Two Intermediate and cumulative summary items are required on Form G-15, identified as item number ***OMC-003*** *and* item number ***OMC-004****.* Each intermediate and cumulative summary item and its formula are described below.

OMC-003- Cumulative Summary

The unit price entered into Payment Milestone OMC-001 by the Proposer shall be multiplied by the number of months identified in item number OMC-002 and shall equal the Annual Customer Service Center Operations and Maintenance Price.

The formula for item number OMC-003 is as follows:

Proposer Unit Price Per Month, OMC-001 * 12 months, OMC-002 = Annual Customer Service Center Operations and Maintenance Price, OMC-003.

OMC-004- Cumulative Summary

The Customer Service Center Operations and Price Per Contract Term, item number OMC-004, shall be the aggregate of Payment Milestones OMC-003 (Column C), OMC-003 (Column D), OMC-003 (Column E) OMC-003 (Column F), OMC-003 (Column G), OMC-003 (Column H), and OMC-003 (Column I).

The formula for Payment Milestone OMC-004 is as follows:

OMC-004 = OMC-003 (Column C) + OMC-003 (Column D) + OMC-003 (Column E) + OMC-003 (Column F) + OMC-003 (Column G) + OMC-003 (Column H) + OMC-003 (Column I).

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FORM G-16- Hourly Rates For Extended Services

Services and materials may be required and requested by the Joint Board above and beyond the scope of services outlined and described in the Contract Documents. Proposer shall complete Form G-16 for Hourly Rates for Extended Services to be applied to additional services and these rates shall establish the rates which the Proposer shall be paid for those added services throughout the Term of the Agreement. The Hourly Rates for Extended Services Price Sheet has been provided as an incomplete example to the Proposer for its use. Proposer may use these job classifications/job descriptions supplied in Form G-16 to match their own and/or the Proposer may add applicable job classifications/job descriptions to the Hourly Rates for Extended Services Price Sheet in Column B. Proposer shall provide hourly labor rates for each job description/job classification for each year. Rates provided on Form G-16 shall include taxes, benefits, ancillary costs, overhead, profit and all other costs and charges relating to use of that employee.

No work shall commence on any changed or additional services above and beyond the scope of work required by the Contract Documents in anticipation of payment based upon submission of Form G-16. Provisions addressing authorization for, and payment of, such additional services are set forth in the Contract Documents.

All hourly rates and associated classifications shall be reviewed and approved by the Joint Board, and the agreed upon rates shall become a part of the Contract Documents.

FORM G-17- Major Spare Parts

Proposer shall provide spare parts adequate to support operations of the TCS and the Project at levels compliant with the Contract Documents, and shall provide a sample inventory list of spare parts for the Project for its successful operation to ensure no degradation of service to the Ohio River Bridges Project or its toll patrons. The Proposer shall include in its Technical Response Form a list of all Major Spare Parts of the TCS. A sample list of the components of the system that will require Major Spare Parts is provided below:

Roadside

- VES camera and illuminator
- Roadside controller
- Inductive loop array (AVC)
- Inductive loop controller (AVC)
- Overhead laser scanner
- CCTV camera
- Uninterruptable power supply
- Network switches and routers (list each)

Back Office and Customer Service Center

- Applications servers
- Web server
- Database servers
- Network Switches and Routers
- Link and Load Balancers (if applicable)
- Out of band monitoring components
- Training equipment
- Printers

Proposer shall identify and provide a list of all Major Spare Parts necessary to maintain the Toll Collection System in accordance with the requirements of the Contract Documents for a period of 12 months and provide this list to the Joint Board for review and written approval.

The initial equipment inventory price total is to be included in the applicable individual pricing forms of Form G for each subsystem of the Total Toll Collection System Capital Price. The Major Spare Parts Price Sheets have been provided as an incomplete example to the Proposer for its use. The Proposer shall update and expand this list to include all necessary Major Spare Parts for the TCS specific to the Proposer's TCS architecture. The Major Spare Parts list and associated prices shall be indicated on an annual basis through the Contract Term. The formulae for Total Major Spare Parts Price Per Year 1 through Year 7 shall be determined by the Proposer and indicated in Form G-17.

All Spare Parts Components, (including consumables and incidentals), shall be included in the Proposer's Contract Price and shall not be considered Major Spare Parts.

FORM G-18- Maintenance of Traffic - Lane Closure

Proposer shall complete Form G-18 for Maintenance of Traffic (MOT) - Lane Closure services required throughout the Term of the Agreement, and the rates specified in Form G-18 shall establish the rates that the Toll System Provider shall be paid for MOT- Lane Closure services as provided throughout the Term of the Agreement.

No work shall commence on any MOT - Lane Closure services above and beyond the levels specified in the Contract Documents in anticipation of payment based upon submission of Form G-18. Provisions addressing authorization of, and payment for, such services are set forth in the Contract Documents. MOT - Lane Closure services shall be paid as Pass Through Costs Items. All MOT- Lane Closure rates shall be reviewed and approved by the Joint Board, and the agreed upon rates shall become a part of the Contract Documents. Rates provided on Form G-18 shall include overtime charges, after-hours charges, set-up, mobilization, demobilization, taxes, benefits, ancillary costs, overhead, profit and all other costs and charges relating to maintenance of traffic and lane closure(s) throughout the term of the Agreement. Approval of MOT-Lane Closure rates as completed on Form G-18 does not constitute approval by the Joint Board for the Proposer to perform any MOT-Lane Closure operations.

Unit Price of Maintenance of Traffic Based Upon Lane Closures

Unit prices shall be completed for item numbers MOT-001, MOT-002, MOT-003, MOT-005, MOT-006, and MOT-007. Proposer shall provide a unit price for MOT on a per Equipment Lane basis, which shall be multiplied by the number of approved lanes to be closed to determine a total MOT price to be paid to the Toll System Provider.

A unit price for item numbers MOT-001, MOT-002, MOT-003, MOT-005, MOT-006, and MOT-007. shall be completed by the Proposer for each year of the Contract Term as indicated on **Form G-18.**

Types of MOT - Lane Closures

Two types of closures are anticipated, a single (1) lane closure and a double (2) lane closure. For pricing purposes, the double (2) lane closure constitutes closure of 2 lanes which can be 2 traffic lanes or a combination of 1 traffic lane and 1 shoulder.

Time of Day

Each type of lane closure can occur during different time periods of a business day. Each item number indicates different time periods for each type of traffic lane closure.

All MOT operations and associated traffic lane closures must occur in accordance with the Contract Documents and each MOT - Lane Closure event shall be approved in advance by the Joint Board.

FORM G-1 Contract Price- Total Toll Collection System Capital and Operations and Maintenance Price		
Item No.	**Payment Milestone Description**	**Total Summary Price**
CP-001	Total Roadside, Network, Generator, and CMS Price	$0
CP-002	Total Back Office System (BOS) and Disaster Recovery (DR) Price	$0
CP-003	Total TOC Planning and TOC Pre-Toll Operations and System Monitoring Price	$0
CP-004	Total CSC Pre-Toll Operations Price	$0
CP-005	Total Project Management and Planning Documents Price	$0
CP-006	Total End to End System Tests Price	$0
CP-007	Total Data Mart Price	$0
CP-008	Total Bonds and Insurance Price	$0
CP-009	**Total Toll Collection System Capital Price**	**$0**
CP-0010	Roadside and CMS Operations and Maintenance Price Per Contract Term	$0
CP-0011	Network Maintenance Price Per Contract Term	$0
CP-0012	Back Office System (BOS) Hosting Price Per Contract Term	$0
CP-0013	Back Office System (BOS) IT Operations and Maintenance Price Per Contract Term	$0

FORM G-1 Contract Price- Total Toll Collection System Capital and Operations and Maintenance Price		
Item No.	**Payment Milestone Description**	**Total Summary Price**
CP-0014	Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term	$0
CP-0015	Customer Service Center Operations and Maintenance Price Per Contract Term	$0
CP-0016	**Total Toll Collection System Operations and Maintenance Price**	**$0**
CP-0017	**Total Toll Collection System Capital and Operations and Maintenance Price**	**$0**
Note 1: Warranties as described in the Contract Documents should be included in above prices.		

FORM G-2 Total Roadside, Network, Generator and CMS Price					
Item No.	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
RS-001	Roadside System Plan and Documentation		1	Each	$0
RS-002	Roadside Hardware Equipment Purchase and Delivery	$0	34	Per Equipment Lane	$0
RS-003	Roadside Software License		1	Each	$0
RS-004	Roadside Onsite Equipment Installation	$0	34	Per Equipment Lane	$0
RS-005	Roadside Integration		1	Each	$0
RS-006	Roadside Training		1	Each	$0
RS-007	Roadside Go-Live	$0	4	Each	$0
RS-008	Roadside System As Built Documentation		1	Each	$0
RS-009	**Total Roadside Price**				**$0**
RS-0010	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
RS-0011	Network System Plan and Documentation		1	Each	$0
RS-0012	Network Hardware Equipment Purchase and Delivery		1	Each	$0
RS-0013	Network Software License		1	Each	$0
RS-0014	Network Onsite Equipment Installation	$0	4	1 Per Tolling Point	$0
RS-0015	Network Training		1	Each	$0

FORM G-2 Total Roadside, Network, Generator and CMS Price					
Item No.	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
RS-0016	Network System As Built Documentation		1	Each	$0
RS-0017	**Total Network Price**				**$0**
RS-0018	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
RS-0019	Generator Plans, Cut Sheets and Documentation		1	Each	$0
RS-0020	Generator Equipment Purchase and Delivery	$0	4	1 Gen per Tolling Point	$0
RS-0021	Generator Onsite Equipment Installation	$0	4	1 Gen Per Tolling Point	$0
RS-0022	Generator Startup and Training		1	Each	$0
RS-0023	Generator Equipment As Built Documentation		1	Each	$0
RS-0024	**Total Generator Price**				**$0**
RS-0025	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
RS-0026	Changeable Message Sign Equipment Purchase and Delivery	$0	8	Each	$0
RS-0027	Onsite Equipment Installation of Changeable Message Sign	$0	8	Each	$0

FORM G-2 Total Roadside, Network, Generator and CMS Price					
Item No.	Payment Milestone Description	Proposer's Unit Price	Total No. of Units	Unit of Measure	Total Price
RS-0028	Total Changeable Message Sign (CMS) and Installation Price				$0
RS-0029	Total Roadside, Network, Generator and CMS Price				$0

FORM G-3 Total Back Office System (BOS) and Disaster Recovery (DR) Price					
Item No.	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
BO-001	Business Rules and Operational Requirements		1	Each	$0
BO-002	Back Office System Plan and Documentation		1	Each	$0
BO-003	Intermediate BOS Site Visit and Configuration Observation		1	Each	$0
BO-004	BOS Software Licensing		1	Each	$0
BO-005	BOS Customer Payment Channels Approval and Acceptance		1	Each	$0
BO-006	Training for all BOS Operations		1	Each	$0
BO-007	BOS Go-Live		1	Each	$0
BO-008	**Total Back Office System (BOS) Price**				**$0**
BO-009	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
BO-0010	Disaster Recovery System Plan and Failover Documentation		1	Each	$0
BO-0011	Disaster Recovery Hardware Equipment Purchase and Delivery		1	Each	$0
BO-0012	**Total Disaster Recovery (DR) Price**				**$0**

FORM G-3 Total Back Office System (BOS) and Disaster Recovery (DR) Price					
Item No.	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
BO-0013	**Total Back Office System (BOS) and Disaster Recovery (DR) Price**				**$0**

FORM G-4 Total Toll Operations Center (TOC) Planning, and Pre-Toll Operations and System Monitoring Price				
Item No.	**Payment Milestone Description**	**Total No. of Units**	**Unit of Measure**	**Total Price**
TO-001	MOMS and Incident System Plan and Documentation	1	Each	$0
TO-002	TOC Hardware Equipment Purchase and Delivery	1	Each	$0
TO-003	TOC Software Setup and Installation	1	Each	$0
TO-004	TOC Onsite Equipment Installation	1	Each	$0
TO-005	TOC Training	1	Each	$0
TO-006	TOC System As Built Documentation	1	Each	$0
TO-007	**Total TOC Planning Price**			**$0**
TO-008	**Payment Milestone Description**	**Total No. of Units**	**Unit of Measure**	**Total Price**
TO-009	TOC Pre-Toll Operations and System Monitoring (For 2 months Prior to Revenue Service Date)	1	Each	$0
TO-0010	**Total TOC Pre-Toll Operations and System Monitoring Price**			$0
TO-0011	**Total TOC Planning, and TOC Pre-Toll Operations and System Monitoring Price**			**$0**

FORM G-5 Total Customer Service Center (CSC) Pre-Toll Operations Price						
Item No.	**Payment Milestone Description**	**Duration**	**Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
CS-001	**Planning of CSC Prior to Pre-Toll Operations**			**1**	**Each**	**$0**
CS-002	**Pre-Toll Operations**	**9 months prior to Tolling Readiness**	**$0**	**9**	**Monthly**	**$0**
CS-003	**Total CSC Pre-Toll Operations Price**					**$0**

Note1: This section shall be priced based upon 100,000 AMDTT +/-25,000 AMADTT for each year of operation.

Note 2: One of the two required Walk-up Centers and the CSC may be co-located. However, only the Walk-Up Center costs shall be a Pass-Through Cost item. If the Proposer chooses co-location, then the Proposer shall provide a means and methodology to separate costs of the Walk-Up Centers and the CSC, which means and methodology shall be subject to approval by the Joint Board.

FORM G-6 Total Project Management and Planning Documents Price					
Item No.	**Payment Milestone Description**	**Duration**	**Total No. of Units**	**Units of Measure**	**Total Price**
PM-001	Pre-Toll Operations	Award to Tolling Readiness	1	Each	$0
PM-002	Startup Operations (Year 1)	Tolling Readiness to 12 months after Tolling Readiness (12 months total)	1	Each	$0
PM-003	**Total Project Management Price**				**$0**
PM-004	**Payment Milestone Description**	**Type**	**Total No. of Units**	**Units of Measure**	**Cost for All Documents During Denoted Planning Period**
PM-005	0-90 Days after NTP	Roadside and Network System Plan; Back Office System Plan; TOC System Plan and Documentation; Project Management Plan; Safety Plan; System Configuration Management Plan; Quality Management Plan; Configuration and Change Management	1	Each	$0

FORM G-6 Total Project Management and Planning Documents Price					
Item No.	**Payment Milestone Description**	**Duration**	**Total No. of Units**	**Units of Measure**	**Total Price**
		Plan; Master Testing and Commissioning Plan; and Walk-Up Center Build out Plan			
PM-006	90-180 Days after NTP	Roadside and Network Installation Plan; Back Office Installation Plan; Training Plan; Maintenance and Support Plan; Transition Plan; Third Party Manuals and Documentation; CSC Operations Plan; Disaster Recovery Plan;	1	Each	$0
PM-007	Completion of System Acceptance Test	End of Contract Transition Plan	1	Each	$0
PM-008	**Total Planning Document Price**				**$0**
PM-009	**Total Project Management and Planning Documents Price**				**$0**
Note: Management and oversight and associated markups, profit and overhead of all Pass-Through Costs shall be included in the Project Management Fees in Line Item, PM-001 and/or PM-002.					

FORM G-7 Total End to End System Tests Price				
Item No.	**Payment Milestone Description**	**Total No. of Units**	**Unit of Measure**	**Total Price**
T-001	Baseline Test	1	Each, Until Testing Completed and Approved	$0
T-002	Pre-Production Controlled Test	1	Each, Until Testing Completed and Approved	$0
T-003	System Production Readiness Test	1	Each, Until Testing Completed and Approved	$0
T-004	Operations Test	1	Each, Until Testing Completed and Approved	$0
T-005	System Acceptance Test	1	Each, Until Testing Completed and Approved	$0
T-006	**Total End to End System Tests Price**			**$0**

FORM G-8 Total Data Mart Price					
Item No.	**Payment Milestone Description**	**Proposer's Unit Price**	**Total No. of Units**	**Unit of Measure**	**Total Price**
DM-001	Option 1: Data Mart Copy		1	Each	$0
DM-002	Option 2: ETL		1	Each	$0
DM-003	**Total Data Mart Price**				**$0**
Note: The price utilized in DM-003 shall be the higher of the two prices of DM-001 or DM-002.					

FORM G-9 Total Bonds and Insurance Price				
Item No.	**Payment Milestone Description**	**Total No. of Units**	**Unit of Measure**	**Total Price**
BI-001	Installation Payment Bonds	1	Each	$0
BI-002	Installation Performance Bonds	1	Each	$0
BI-003	Operations and Maintenance Bond	1	Each (for O and M contract term)	$0
BI-004	Warranty Bond- See Note 2	1	Each	$0
BI-005	**Bonds Price**			**$0**
BI-006	**Payment Milestone Description**	**Total No. of Units**	**Unit of Measure**	**Total Price**
BI-007	Commercial General Liability	1	Each	$0
BI-008	Worker's Compensation Insurance	1	Each	$0
BI-009	Business Automobile Liability Insurance	1	Each	$0
BI-0010	Umbrella or Excess Liability Insurance	1	Each	$0
BI-0011	Cyber Liability Insurance	1	Each	$0
BI-0012	Crime Insurance	1	Each	$0
BI-0013	Professional Liability Insurance	1	Each	$0
BI-0014	**Insurance Price**		**a**	**$0**
BI-0015	**Total Bonds and Insurance Price**			**$0**

Note 1: This section shall be priced as a Pass-Through Cost Item. Pass-Through Costs for bonds will be paid by the Joint Board in an amount up to but not exceeding the amount entered in each line item for bond prices, and Pass-Through Costs for insurance will be paid by the Joint Board in an amount up to but not exceeding the amount entered for each line item for insurance prices.

Note 2: Warranty Bond shall be a separate bond for 20% of the Total Toll Collection System Capital Price OR shall be a reduction of the Installation Payment and Installation Performance Bond to a total of 20% of the Total Toll Collection System Capital Price.

FORM G-10 Total Roadside and CMS Operations and Maintenance Price Per Contract Term								
Item No.	**Payment Milestone Description**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**
OMR-001	Roadside Operations and Maintenance Price Per Lane Per Month	$0	$0	$0	$0	$0	$0	$0
OMR-002	Equipment Lanes	34	34	34	34	34	34	34
OMR-003	Number of Months	12	12	12	12	12	12	12
OMR-004	**Annual Roadside Operations and Maintenance Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
OMR-005	**Total Roadside Operations and Maintenance Price Per Contract Term**							**$0**
OMR-006	Changeable Message Sign (CMS) Operations and Maintenance Per Sign Per Year	$0	$0	$0	$0	$0	$0	$0
OMR-007	Number of Signs	8	8	8	8	8	8	8
OMR-008	Number of Months	12	12	12	12	12	12	12
OMR-009	**Annual Changeable Message Sign (CMS) Operations and Maintenance Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

OMR-0010	**Total CMS Operations and Maintenance Price Per Contract Term**							**$0**
OMR-0011	**Total Roadside and CMS Operations and Maintenance Price Per Contract Term**							**$0**

Year Definition:

Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness

Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness

Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness

Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness

Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness

Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.

FORM G-11 Total Network Maintenance Price Per Contract Term								
Item No.	**Payment Milestone Description**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**
OMN-001	Network/WAN/LAN/ Operations and Maintenance Per Month	$0	$0	$0	$0	$0	$0	$0
OMN-002	Months	12	12	12	12	12	12	12
OMN-003	**Annual Network Maintenance Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
OMN-004	**Total Network Maintenance Price Per Contract Term**							**$0**

Year Definition:

Startup Operations (Year 1): Tolling Readiness to 12 months after Tolling Readiness

Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness

Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness

Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness

Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness

Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness

Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.

FORM G-12 Total Back Office System (BOS) Hosting Price Per Contract Term								
Item No.	**Payment Milestone Description**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**
OMH-001	Back Office System (BOS) Hosting Price Per Month	$0	$0	$0	$0	$0	$0	$0
OMH-002	Number of Months	12	12	12	12	12	12	12
OMH-003	**Annual Back Office System (BOS) Hosting Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
OMH-004	**Total Back Office System (BOS) Hosting Price Per Contract Term**							**$0**
Year Definition:								
Startup Operations (Year 1): Tolling Readiness to 12 months after Tolling Readiness								
Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness								
Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness								
Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness								
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness								
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness								
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.								

FORM G-13 Total Back Office System (BOS) IT Operations and Maintenance Price Per Contract Term								
Item No.	**Payment Milestone Description**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**
OMB-001	Back Office System (BOS) IT Operations and Maintenance Price Per Month	$0	$0	$0	$0	$0	$0	$0
OMB-002	Number of Months	12	12	12	12	12	12	12
OMB-003	**Annual Back Office System (BOS) IT Operating and Maintenance Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
OMB-004	**Total Back Office System (BOS) IT Operating and Maintenance Price Per Contract Term**							**$0**
Year Definition:								
Startup Operations (Year 1): Tolling Readiness to 12 months after Tolling Readiness								
Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness								
Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness								
Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness								
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness								
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness								
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.								

FORM G-14 Total Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term								
Item No.	**Payment Milestone Description**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**
OMT-001	TOC Operations and Maintenance Fee Per Month	$0	$0	$0	$0	$0	$0	$0
OMT-002	Number of Months	12	12	12	12	12	12	12
OMT-003	**Annual Toll Operations Center (TOC) Operations and Maintenance Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
OMT-004	**Total Toll Operations Center (TOC) Operations and Maintenance Price Per Contract Term**							**$0**
Year Definition:								
Startup Operations (Year 1): Tolling Readiness to 12 months after Tolling Readiness								
Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness								
Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness								
Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness								
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness								
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness								
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.								

FORM G-15 Customer Service Center Operations and Maintenance Price Per Year								
Item No.	**Payment Milestone Description**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**
OMC-001	Customer Service Center Operations and Maintenance Price Per Month	$0	$0	$0	$0	$0	$0	$0
OMC-002	Number of Months	12	12	12	12	12	12	12
OMC-003	**Annual Customer Service Center Operations and Maintenance Price Per Year**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
OMC-004	**Customer Service Center Operations and Maintenance Price Per Contract Term**							**$0**
Year Definition:								
Startup Operations (Year 1): Tolling Readiness to 12 months after Tolling Readiness								
Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness								
Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness								
Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness								
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness								
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness								
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.								

Note 1: One of the two required Walk-up Centers and the CSC may be co-located. However, only the Walk-Up Center costs shall be a Pass- Through Cost item. If the Proposer chooses co-location, then the Proposer shall provide a means and methodology to separate costs of the Walk-Up Centers and the CSC, which means and methodology shall be subject to approval by the Joint Board.

FORM G-16 Hourly Rates for Extended Services											
Item No.	Job Classification/Job Description	Total No. of Units	Unit of Measure	Total Hourly Rate with Benefits through Tolling Readiness	Total Hourly Rate with Benefits Year 1	Total Hourly Rate with Benefits Year 2	Total Hourly Rate with Benefits Year 3	Total Hourly Rate with Benefits Year 4	Total Hourly Rate with Benefits Year 5	Total Hourly Rate with Benefits Year 6	Total Hourly Rate with Benefits Year 7
HR-001	Project Manager	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-002	Roadside Maintenance Supervisor	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-003	Roadside Maintenance Technician	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-004	Systems Engineer	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-005	Systems Analyst	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-006	Database Analyst	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-007	Network Analyst	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-008	Network Architect	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-009	Installation Manager	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0010	IVR Systems Specialist	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0011	IT Technical Support Staff for CSC	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0012	Image Reviewer Supervisor	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0

FORM G-16 Hourly Rates for Extended Services											
Item No.	Job Classification/Job Description	Total No. of Units	Unit of Measure	Total Hourly Rate with Benefits through Tolling Readiness	Total Hourly Rate with Benefits Year 1	Total Hourly Rate with Benefits Year 2	Total Hourly Rate with Benefits Year 3	Total Hourly Rate with Benefits Year 4	Total Hourly Rate with Benefits Year 5	Total Hourly Rate with Benefits Year 6	Total Hourly Rate with Benefits Year 7
HR-0013	Image Reviewer	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0014	Training Manager	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0015	Customer Service Center Supervisor	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0016	QA/QC Manager	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0017	CSR	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0018	Walk-Up Center CSR	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0019	Fulfillment Staff	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0020	Fulfillment Supervisor	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0021	Lockbox Supervisor	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0022	Lockbox Staff	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0023	TOC Supervisor	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0024	TOC Staff	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0
HR-0025	Communications Specialist	1	Hour	$0	$0	$0	$0	$0	$0	$0	$0

FORM G-16 Hourly Rates for Extended Services											
Item No.	Job Classification/Job Description	Total No. of Units	Unit of Measure	Total Hourly Rate with Benefits through Tolling Readiness	Total Hourly Rate with Benefits Year 1	Total Hourly Rate with Benefits Year 2	Total Hourly Rate with Benefits Year 3	Total Hourly Rate with Benefits Year 4	Total Hourly Rate with Benefits Year 5	Total Hourly Rate with Benefits Year 6	Total Hourly Rate with Benefits Year 7
Year Definition:											
Startup Operations (Year 1): Tolling Readiness to 12 months after Tolling Readiness											
Steady State Operating (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness											
Steady State Operating (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness											
Steady State Operating (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness											
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness											
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness											
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.;											

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 1**
Roadside Equipment					
RS-001					$0
RS-002					$0
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0
CS-002					$0
CS-003					$0
CS-004					$0
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0
TO-004					$0
Access Control and CCTV					$0
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 1					$0
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 2**
Roadside Equipment					
RS-001					$0
RS-002					$0

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 2**
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0
CS-002					$0
CS-003					$0
CS-004					$0
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0
TO-004					$0
Access Control and CCTV					
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 2					$0
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 3**
Roadside Equipment					
RS-001					$0
RS-002					$0
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 3**
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0
CS-002					$0
CS-003					$0
CS-004					$0
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0
TO-004					$0
Access Control and CCTV					
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 3					**$0**
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 4**
Roadside Equipment					
RS-001					$0
RS-002					$0
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 4**
CS-002					$0
CS-003					$0
CS-004					$0
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0
TO-004					$0
Access Control and CCTV					
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 4					**$0**
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 5**
Roadside Equipment					
RS-001					$0
RS-002					$0
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0
CS-002					$0
CS-003					$0
CS-004					$0

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 5**
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0
TO-004					$0
Access Control and CCTV					
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 5					**$0**
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 6**
Roadside Equipment					
RS-001					$0
RS-002					$0
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0
CS-002					$0
CS-003					$0
CS-004					$0
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 6**
TO-004					$0
Access Control and CCTV					
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 6					**$0**
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 7**
Roadside Equipment					
RS-001					$0
RS-002					$0
RS-003					$0
RS-004					$0
Back Office System					
BO-001					$0
BO-002					$0
BO-003					$0
BO-004					$0
Customer Service Center					
CS-001					$0
CS-002					$0
CS-003					$0
CS-004					$0
TOC and System Monitoring					
TO-001					$0
TO-002					$0
TO-003					$0
TO-004					$0

FORM G-17 Major Spare Parts					
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price**	**Total Price Year 7**
Access Control and CCTV					
AC-001					$0
AC-002					$0
AC-003					$0
AC-004					$0
Total Major Spare Parts Price Year 7					**$0**
Year Definition:					
Startup Operations: Tolling Readiness to 12 months after Tolling Readiness					
Steady State Operating (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness					
Steady State Operating (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness					
Steady State Operating (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness					
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness					
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness					
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.					

FORM G-18 Maintenance of Traffic											
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price through Tolling Readiness**	**Unit Price Year 1**	**Unit Price Year 2**	**Unit Price Year 3**	**Unit Price Year 4**	**Unit Price Year 5**	**Unit Price Year 6**	**Unit Price Year 7**
MOT-001	Day Time (6am til 6 pm)	1	Equipment Lane	$0	$0	$0	$0	$0	$0	$0	$0
MOT-002	Evening and Overnight Time (6pm to 6 am)	1	Equipment Lane	$0	$0	$0	$0	$0	$0	$0	$0
MOT-003	Weekends (Fri 6pm to Mon 6am)	1	Equipment Lane	$0	$0	$0	$0	$0	$0	$0	$0
MOT-004	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price through Tolling Readiness**	**Unit Price Year 1**	**Unit Price Year 2**	**Unit Price Year 3**	**Unit Price Year 4**	**Unit Price Year 5**	**Unit Price Year 6**	**Unit Price Year 7**
MOT-005	Day Time (6am til 6 pm)	2 (traffic lanes or 1 traffic lane and 1 shoulder)	Equipment Lane	$0	$0	$0	$0	$0	$0	$0	$0

FORM G-18 Maintenance of Traffic											
Item No.	**Item Description**	**Total No. of Units**	**Unit of Measure**	**Unit Price through Tolling Readiness**	**Unit Price Year 1**	**Unit Price Year 2**	**Unit Price Year 3**	**Unit Price Year 4**	**Unit Price Year 5**	**Unit Price Year 6**	**Unit Price Year 7**
MOT-006	Evening and Overnight Time (6pm to 6 am)	2 (traffic lanes or 1 traffic lane and 1 shoulder)	Equipment Lane	$0	$0	$0	$0	$0	$0	$0	$0
MOT-007	Weekends (Fri 6pm to Mon 6am)	2 (traffic lanes or 1 traffic lane and 1 shoulder)	Equipment Lane	$0	$0	$0	$0	$0	$0	$0	$0
Year Definition:											
Startup Operations (Year 1) : Tolling Readiness to 12 months after Tolling Readiness											
Steady State Operations (Year 2) - 12 months after Tolling Readiness to 24 months after Tolling Readiness											
Steady State Operations (Year 3) - 24 months after Tolling Readiness to 36 months after Tolling Readiness											
Steady State Operations (Year 4) - 36 months after Tolling Readiness to 48 months after Tolling Readiness											
Steady State Operations (Year 5) - 48 months after Tolling Readiness to 60 months after Tolling Readiness											
Steady State Operations (Year 6) - 60 months after Tolling Readiness to 72 months after Tolling Readiness											
Steady State Operations (Year 7) - 72 months after Tolling Readiness to 84 months after Tolling Readiness; if the end of the TCS Operations and Maintenance Term occurs after the 84th month, the Joint Board shall continue to pay for Operations and Maintenance on a monthly basis at the rate specified for Year 7.											

FORM H

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

[To be executed by the Proposer, Equity Members, and proposed Major Subcontractors]

The undersigned certifies on behalf of _____, that:
(Name of entity making certification)

[check one of the following boxes]

☐ It has developed and has on file at each establishment affirmative action programs pursuant to 41 CFR Part 60-2 (Affirmative Action Programs).

☐ It is not subject to the requirements to develop an affirmative action program under 41 CFR Part 60-2 (Affirmative Action Programs).

[check one of the following boxes]

☐ It has not participated in a previous contract or subcontract subject to the equal opportunity clause described in Executive Orders 10925, 11114 or 11246.

☐ It has participated in a previous contract or subcontract subject to the equal opportunity clause described in Executive Orders 10925, 11114 or 11246 and, where required, it has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Signature:

Title:_____

Date:_____

If not Proposer, relationship to Proposer: _____

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b)(1)), and must be submitted by Proposers only in connection with contracts which are subject to the equal opportunity clause. Contracts that are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally, only contracts of $10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by Executive Orders or their implementing regulations.

Proposers, Equity Members, Major Non-Equity Members or proposed Major Subcontractors who have participated in a previous contract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

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FORM I

USE OF CONTRACT FUNDS FOR LOBBYING CERTIFICATION

The undersigned Proposer ____ Equity Member ____ Major Participant ____ proposed Major Subcontractor ___certifies on behalf of itself the following:

1. The undersigned certifies, to the best of its knowledge and belief, that:

   a. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

   b. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions, and shall include a copy of said form in its proposal or bid, or submit it with the executed Agreement or Subcontract.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The undersigned shall require that the language of this certification be included in all lower tier subcontracts which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

4. The undersigned certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the undersigned understands and agrees that the provisions of 31 U.S.C. §3801, et seq., apply to this certification and disclosure, if any.

[Note: Pursuant to 31 U.S.C. §1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each expenditure or failure.]

Date: _____

Firm/Entity: _____

Signature: _____

Title: _____

Proposer: _____

[Copy this form and modify as needed for execution by Proposer, Equity Members, Major Participants, and all proposed Subcontractors]

FORM J

DEBARMENT AND SUSPENSION CERTIFICATION

The undersigned Proposer certifies on behalf of itself and all Equity Members, joint venturers and Subcontractors the following:

The undersigned certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

b. Have not within a 3-year period preceding this 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;

c. Are not 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 in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (federal, state or local) terminated for cause or default.

Where Proposer is unable to certify to any of the statements in this certification, it shall attach a certification to its Proposal or bid stating that it is unable to provide the certification and explaining the reasons for such inability.

Date: _____

Proposer: _____

Signature: _____

Title: _____

FORM K

TECHNICAL RESPONSE FORM

The below legend provides an example of a completed Technical Response Form completed by a Proposer. The Proposer shall complete and return this form and the completed form will serve as the Technical Response for each Proposer. No separate Technical Response other than this Technical Response Form will be submitted by a Proposer or evaluated by the Joint Board.

Req ID	Functional Area	Required	Value Add
	General		
SA-001	The Toll System Provider shall provide equipment and technology that has already been designed, developed, tested, and currently is deployed on another AET System with a similar scope and in a similar or larger revenue operation.	X	
	Note: The Proposer shall identify in this Technical Response Form the other AET systems on which Proposer's proposed equipment and technology currently are deployed. Proposer Response: The TCS complies with requirement SA-001 in the following manner: *[Proposer to complete]*. [e.g., The Proposer's proposed equipment and technology have already been designed, developed, tested and currently are deployed on the following AET systems of similar scope and in a similar or larger revenue operation: XXXX toll road project; YYYY toll road project.]		
SA-002	The Toll System Provider shall provide a System which provides a future upgrade path.	X	
	Note: The Proposer shall describe in this Technical Response Form the proposed System lifecycle status. Equipment swap outs are acceptable. Proposer Response: The TCS complies with requirement SA-002. Tom's AET system is a modern system providing a current and scalable System that has planned lifecycle upgrades through the lifecycle of the System.		

Roadside System	Version and Description	Lifecycle
Customer Website	Version 3.4 - Dreamweaver, upgraded application server	Hardware and Software Upgraded in 2011, next refresh planned in 2015.
Roadside System - AVC	OSI laser scanner DS-213 with firmware 4.5.1	Released in 2010, product support is expected through 2020.
BackOffice - Customer Service Center Application – CUSTOMER FIRST 4.3.1	CUSTOMERFIRST is a web service based application using Oracle 11i DBMS and Java applications. CUSTOMERFIRST is deployed on a Sun Solaris sparc 32 dual processor.	CUSTOMERFIRST 4.3.1 was released in 2012. An upgrade to database management system is planned in 2014 to Oracle 12g and is included in this Proposal. New smart phone compliant mobile ready application is scheduled to be deployed in 2014 and is included with this Proposal.

THIS IS NOT A COMPLETE RESPONSE. THIS IS AN EXAMPLE RESPONSE.

TECHNICAL RESPONSE FORM LEGEND

Field Name	Description
Req ID	Unique requirement identifier for each Technical Requirement element. Each requirement has a two letter designation followed by a unique numerical value for the functional area so all requirement ID's are unique.
Functional Area	Functional area of the TCS for the Technical Requirement element. This field contains the requirement description.
Required	If marked with an "X", the Joint Board requires that the Toll System Provider meet this requirement. The Technical Requirement describes mandatory work for the Toll System Provider and is included in the Project scope. A Proposer must respond to each "Required" item by indicating that it will meet the requirement and describing how it will do so. In addition, in connection with certain "Required" items, there are "Notes" which request additional information relative to the particular Technical Requirement element.
Value Add	If marked with an "X", the Joint Board desires for this element to be met but it is not required. Proposers may respond and commit to undertake a "Value Add" item, but need not do so. If a Proposer does not wish to undertake and commit to a "Value Add" item, it should indicate "N/A" in the Proposer Response space. If a Proposer proposes to undertake and provide a Value Add item, it should indicate it will do so and describe how it will do so. In addition, in connection with certain "Value Add" items, there are "Notes" which request additional information relative to the particular element.
Proposer Response	Proposers shall use this space to submit their response to the "Required" item or "Value Add" item, as applicable. All information pertinent to the Proposer Response must be included within the "Proposer Response" box. No Attachments will be accepted outside of the Technical Requirements. Proposers shall describe, in the Proposer Response cell, the means by which the Proposer will meet the Requirement or Value Add item in sufficient detail to allow the Evaluation Committee to determine the quality of the Proposer's solution.

System Architecture Requirements

Req ID	System Architecture (Section SA)	Required	Value Add
SA-001	The Toll System Provider shall provide equipment and technology that has already been designed, developed, tested, and currently is deployed on another AET System with a similar scope and in a similar or larger revenue operation.	X	
	Note: The Proposer shall identify in this Technical Response Form the other AET systems on which Proposer's proposed equipment and technology currently are deployed. **Proposer Response:**		
SA-002	The Toll System Provider shall provide a System which provides a future upgrade path.	X	
	Note: The Proposer shall describe in this Technical Response Form the current product lifecycle status and future upgrade path. Equipment swap-outs are acceptable. **Proposer Response:**		
SA-003	The Toll System Provider shall provide a System which provides high level redundancy for the TCS such that the TCS will meet and continue to meet all Performance Requirements as outlined in Section PR of the Technical Requirements at all times.	X	
	Note: The Proposer shall describe in this Technical Response Form the redundancy of the TCS. **Proposer Response:**		
SA-004	The Toll System Provider shall configure all servers, desktop and tablet computers to have Virus Protection and intrusion prevention Software that automatically obtains definition updates according to an approved, recommended, and configurable maintenance schedule provided in the Maintenance and Support Plan by the Toll System Provider.	X	
	Note: Virus protection Software is not applicable to Linux based platforms provided by the Toll System Provider. **Proposer Response:**		
SA-005	The Toll System Provider shall: 1) integrate the ETC into the Roadside System; 2) certify during the Installation and Delivery Phase and the TCS Operations and Maintenance Term that the Toll Zones are tuned and maintained to the ETC Contractor's specifications; 3) synchronize all ETC readers that are in the same Toll Zones; 4) analyze the site conditions, and install and configure all required sensors and Hardware in accordance with the Technical Requirements; 5) ensure full sensor coverage at all areas of the Toll Zone; 6) ensure front and rear ALPR cameras provide ninety nine and nine tenths percent (99.9%) image capture, including during individual camera failures and excessive glare conditions and other extreme weather conditions; and 7) integrate all components of the Roadside System to provide a fully functional and operational TCS.	X	
	Proposer Response:		
SA-006	[Intentionally not used.]		
	Proposer Response:		
SA-007	All data entered or generated in the TCS shall be retrievable through reports, applications and screens via tools by TCS authorized users at remote locations.	X	

Req ID	System Architecture (Section SA)	Required	Value Add
	Proposer Response:		
SA-008	[Intentionally not used.]		
	Proposer Response:		
SA-009	All Traffic, Financial and Event Transactions and images shall be retained on-line for two (2) years and shall be archived and stored for 10 years. Archived data shall be recovered and made available to the Joint Board within 48 hours of a request made by the Joint Board.	X	
	Proposer Response:		
SA-010	All TCS system logs shall be retained on-line for one (1) year and then shall be archived and stored for 10 years.	X	
	Proposer Response:		
SA-011	All data except TCS system logs shall be retained on the server in accordance with requirements of Indiana and Kentucky state statutes and administrative codes as may be in effect during the Term of the Agreement.	X	
	Proposer Response:		
SA-012	The Toll System Provider shall provide a quarterly written report that shows data backup and retention status for all elements of the System (e.g. Roadside System, BOS); and System access audit reports shall show the user access data and modification to the access made.	X	
	Proposer Response:		
SA-013	The Toll System Provider shall provide a backup and archiving schedule and Plan for the System and staff (if any) required for backing up the System. The backup Plan (included in the Maintenance and Support Plan) shall include data type and frequency of backup. Data related to the following shall be included in the backup Plan: application and associated configuration, Transaction and data information, database, operating systems, account management system, and Transaction system.	X	
	Proposer Response:		
SA-014	It is desired that the Toll System Provider provide fully automated data archival and purging without the assistance of a staff member.		X

Req ID	System Architecture (Section SA)	Required	Value Add
	Proposer Response:		
	System Scalability		
SA-015	The Toll System Provider shall provide a communications bandwidth sufficient to handle all System functions and ensure the data collected by the Roadside System is accessible from the CSC and TOC in near-real-time. Near-real-time means the user actions can remotely access the TCS are of duration less than 2 seconds.	X	
	Note: The Proposer's Response shall include the expected response times to retrieve and view CCTV video, TCS images, and Transactions from a user in the CSC and TOC. **Proposer Response:**		
SA-016	The TCS database management system shall be scalable to process at least five million (5,000,000) Transactions per day plus all associated ancillary messages without major architecture changes to the database management system.	X	
	Proposer Response:		
SA-017	The TCS storage shall be scalable to store at least five million (5,000,000) Transactions per day, which number is intended to include all Traffic Transactions, Financial Transactions and Event Transactions, without major architecture changes to the storage system for at least two (2) years of production.	X	
	Note: The Proposer shall size the system to work in accordance with the expected traffic based on information provided in the Traffic and Revenue Study provided to KYTC by Steer Davies Gleave. However, it is up to the Proposer to describe how the system will scale to meet this requirement. This could be done upon initial deployment or scalable as required through the term of the Contract to meet all Technical Requirements. **Proposer Response:**		
SA-018	The TCS must retain Violation enforcement images and associated Transactions online in the BOS for two (2) years.	X	
	Proposer Response:		
SA-019	The TCS BOS shall be configured and sized to support at least fifty (50) concurrent users and shall also support a growth rate of 15% per annum without any degradation in performance.	X	
	Note: This requirement assumes that customers will only access the System from the Customer Website and customer access is not included in this Technical Requirement. **Proposer Response:**		
SA-020	The TCS shall provide load balancing in accordance with the RS, SA and BO sections of the Technical Requirements.	X	

Req ID	System Architecture (Section SA)	Required	Value Add
	Note: The Proposer shall describe in this Technical Response Form the manner in which load balancing of the TCS will be provided, and how Proposer will describe such load balancing in the System Documentation. **Proposer Response:**		
SA-021	The TCS shall transmit and post to the BOS database available for reporting Financial, Traffic and Event Transactions in near-real-time between the Roadside System and the BOS. Near-real- time for this requirement is defined as Transactions sent from the Roadside System to the BOS not less frequently than within four (4) hours.	X	
	Note: The Proposer shall describe in this Technical Response Form how it will integrate the Roadside System and the BOS to receive and process all Transactions in near-real-time in the TCS. **Proposer Response:**		
SA-022	The Toll System Provider shall integrate all Transponder lists and Toll Rate Schedules in the TCS such that the BOS has a record copy of the Transponder list and corresponding Toll Rate Schedules for the time of the Traffic Transactions.	X	
	Proposer Response:		
SA-023	The Toll System Provider shall provide full integration between the CSC and BOS, including but not limited to: association of all customer contacts with the customer account and association of detail regarding the customer contact with the customer account (for example, wrap codes, email, letters, lockbox operations, and ad-hoc authorized user entered information).	X	
	Proposer Response:		
SA-024	The TCS shall provide graphical user interface (GUI) based applications that shall accommodate any authorized device connected to the System and application based on access roles and security levels.	X	
	Note: The Proposer shall provide in this Technical Response Form a list of all TCS applications that do not have a GUI. **Proposer Response:**		
SA-025	For any systems accessible by a commercial internet browser, the Toll System Provider shall provide secure browser-based system access and navigation for internal users and role-based access for external users using the latest version and the previous version of a web browser approved by the Joint Board. Acceptable web browsers include, but are not limited to the following: Microsoft's Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari iOs.	X	
	Note: The Proposer shall describe the supported browser versions in its Technical Response Form. **Proposer Response:**		
SA-026	The Toll System Provider shall provide secure browser-based access and navigation of the Customer Website for Project customers using the latest version and the previous version of a web browser approved by the Joint Board. Acceptable web browsers include, but are not limited to the following: Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari iOs.	X	

Req ID	System Architecture (Section SA)	Required	Value Add
	Proposer Response:		
SA-027	The TCS shall provide the following regarding web navigation: 1) self-service navigation that is optimized for speed regardless of the web browser used; 2) the capability to detect and report errors if the browser used to access the Customer Website is outdated or not supported; and 3) paginate content in various ways corresponding to differences in device characteristics.	X	
	Proposer Response:		
SA-028	The Customer Website shall be 1) accessible to mobile devices irrespective of differences in presentation capabilities and access mechanism; and 2) accessible on a range of mobile devices, including but not limited to: smart phones and tablets.	X	
	Proposer Response:		
SA-029	The TCS Customer Website shall support the latest versions of mobile operating systems, including but not limited to: Apple's Safari iOs, Android operating system, Windows operating system, BlackBerry operating system.	X	
	Note: The Proposer shall describe the supported versions in its response. **Proposer Response:**		
SA-030	Any original Financial Transaction, Traffic Transaction or Event Transactions entered in the System shall only be modified in the System or deleted as necessary to move Transactions to long term storage in accordance with the archive requirements. Any updates to the data associated with any message shall be traceable to the original records.	X	
	Proposer Response:		
SA-031	Any manual intervention required shall be only by authorized users and a full audit trail of such manual intervention shall be provided with appended records within the TCS.	X	
	Proposer Response:		
SA-032	All confidential data (e.g. passwords, authorized user names and access rights) and Personally Identifiable Information shall be encrypted.	X	
	Proposer Response:		
SA-033	The TCS shall provide access privileges for different levels of user authorization which shall be fully configurable by a System administrator.	X	

Req ID	System Architecture (Section SA)	Required	Value Add
	Proposer Response:		
	System and user configurable parameters		
SA-034	It is desired that the TCS shall have access levels and user roles of the entire TCS controlled solely through a graphical user interface.		X
	Proposer Response:		
SA-035	The TCS shall provide the functionality to create, manage, store and automatically transmit the then-current Toll Rate Schedules (including toll rate schedules for special events), per Toll Zone, by authorized users. The TCS shall create an audit trail that logs when the rates were configured, the user making the change in the System and the time at which the rates were effective.	X	
	Proposer Response:		
SA-036	The TCS shall provide a default rate table for all Toll Zones when no Toll Rate Schedules can be found. The toll rate values in the default rate table shall be approved by the Joint Board.	X	
	Proposer Response:		
SA-037	The TCS shall provide storage capacity thresholds which shall trigger alarm messages to be generated by and logged into MOMS. These thresholds shall be configurable between 0% and 100%.	X	
	Proposer Response:		
SA-038	The TCS shall be configurable based upon a confidence rating for video image processing transactions.	X	
	Proposer Response:		
SA-039	The Toll System Provider shall provide a TCS with a disaster recovery system including facilities, Hardware, and Software that will ensure that the TCS continuously meets all availability performance guarantees set forth in TR Section PR. The TCS shall allow for continued use of the CSC, Roadside System and BOS in degraded mode whenever necessary.	X	
	Proposer Response:		
SA-040	The TCS shall recover all Mission Critical Systems of the TCS within 4 hours of the time of failure. The TCS shall recover all Business Critical Systems of the TCS within 8 hours of the time of failure.	X	
	Note: The Proposer shall provide in this Technical Response Form the existing Disaster Recovery System Plan for the TCS which includes a list and description of all Mission Critical Systems and Business Critical Systems and operational steps to make each system operational.		

Req ID	System Architecture (Section SA)	Required	Value Add
	Proposer Response:		
SA-041	The Toll System Provider shall provide a disaster recovery site that shall be located at least 100 miles from all of the TCS Sites used for the Project.	X	
	Proposer Response:		
SA-042	The Toll System Provider Disaster Recovery System Plan shall ensure no data will be lost prior to, during and after a disaster.	X	
	Note: The Proposer shall describe in this Technical Response Form how its' Disaster Recovery System Plan will prevent loss of any data in case of a disaster. **Proposer Response:**		
SA-043	The Toll System Provider shall ensure that the application and use of the ETC Components complies with all applicable FCC regulations. The Toll System Provider shall secure a FCC site license for each Toll Zone on behalf of the Joint Board. The FCC site license shall be transferred to the Joint Board no later than 60 days after Revenue Service for each Bridge.	X	
	Proposer Response:		
SA-044	The Toll System Provider shall install, configure, test, and integrate the ETC Components into the Roadside System and ensure that they are operational and meet all functional and Performance Requirements.	X	
	Note: The ETC Component includes all components in Exhibit L required by the Toll System Provider to operate the TCS at the Performance Requirements. The Joint Board has secured a Contract with the ETC Contractor to provide technical support as necessary during the Term of the Contract. **Proposer Response:**		
SA-045	The Toll System Provider shall provide ICDs including an interface test plan in the Master Testing and Commissioning Plan (see TR Section TP for plan requirements) for all single and two-way external interfaces including, but not limited to: a) Interoperable agencies b) Transponder statuses c) Mobile devices d) Cash bank(s) e) Credit card payments f) Court(s) g) Collection agency(s) h) Walk-up Centers i) Traffic management center(s) j) Transponder management k) Retail outlets and kiosks l) Legal entities (for persons of interest) m) Mail address skip-tracing service n) Indiana and Kentucky DMV o) Third party suppliers (e.g. out-of-state registered owner look-up)	X	
	Note: The Proposer shall provide a list of all ICD's in this Technical Response Form. All actual ICD's shall be included in the Master Testing and Commissioning Plan. **Proposer Response:**		

Req ID	System Architecture (Section SA)	Required	Value Add
SA-046	The ICD shall provide for a message level interface. It shall include protocols used in the interface, a brief concept of operations that describes how the messages are used, the related Business Rules and all networking and interface requirements including network diagrams. The ICDs shall include interface test procedures that describe all aspects of the interface testing and validation of each test requirement.	X	
	Note: The Proposer's response shall include a sample ICD for the Project. **Proposer Response:**		
SA-047	The TCS shall generate files to transmit, receive and process information with multiple registered vehicle owner look-up service providers and DMVs via electronic interface portals provided by the Toll System Provider. It is desired that if the registered driver information is available in addition to the registered owner information, this information be provided by the Toll System Provider.	X	
	Note: The Proposer's response shall indicate the states with which the Proposer has an existing relationship and the costs associated with a look-up by state. Note: Registered driver information may be used in the case of lease or fleet vehicles. **Proposer Response:**		
SA-048	The TCS shall generate reports that detail all interoperable Transactions sent and received from or to the interoperable agencies.	X	
	Proposer Response:		
SA-049	The Toll System Provider shall provide a fully functional TCS network from the Toll Zones to the BOS. The proposed architecture-shall use an existing communications service provider to provide "last mile" infrastructure (e.g. conduits and cable) and network connectivity from the toll equipment pad to an existing fiber optic commercial network owned by a commercial carrier. The Toll System Provider shall contract with a local communications service provider to provide data communications, including all necessary fiber cables and network equipment, from the Toll Zones to the local data center to be approved by the Joint Board. The Toll System Provider shall provide connectivity from the Toll Zones to an existing commercial service and back to a local data center that supports multiple internet service providers. The Toll System Provider shall connect its BOS with other supported external services (e.g. Walk-up Center, lockbox, and retail distribution centers) using commercial internet service providers. The high level architecture is described in Attachment C-1 of the Technical Requirements. The Toll System Provider shall comply with the architecture specified in Attachment C-1 or an alternative architecture approved by the Joint Board in its sole discretion.	X	
	Note 1: If the architecture specified in SA-0049 and Attachment C-1 does not work with the Proposer's system, the Proposer shall propose in this Technical Response Form an alternative approach and architecture. Note 2: The Proposer shall identify the Internet Service Provider that TSP expects to use to connect the proposed remotely located BOS to the Roadside System and local network hub, and the bandwidth requirement for 100,000 ADT Traffic Transactions including all images, video and data necessary to operate the TCS in this Technical Response Form. In Attachment C-1 this is identified as Segment 2 on the diagram. Note 3: The Proposer shall identify the bandwidth requirements for Segment 1, which is defined as the communications link between the Toll Zones and communication service provider data center, and Segment 2, which is defined as the communications link between communications service provider data center and the Proposer's BOS in this Technical Response Form. **Proposer Response:**		
SA-050	The Toll System Provider shall manage and be responsible for all elements of the network communications in the TCS. The actual, direct costs charged by the data communications service provider to TSP shall be billed to the Joint Board as a "Pass-Through Cost Item" without any mark-up. The Toll System Provider shall manage the identification and repair of any communications outages. The Toll System Provider shall require a monthly report from the network communications	X	

Req ID	System Architecture (Section SA)	Required	Value Add
	service provider that will be distributed to the Joint Board in the Monthly Operations and Maintenance Report. The content of the reports and all service level requirements will be negotiated after contract award. The Toll System Provider shall contract directly with the communications service provider for a 3 to 5 year contract on terms and conditions approved by the Joint Board, in its sole discretion.		
	Proposer Response:		
SA-051	The Toll System Provider shall provide, update and maintain a Data Mart for the TCS that shall be available to and accessible by the States' Parties at all times from and after six months prior to the first Tolling Readiness Deadline. The Data Mart shall include ETC and license plate transaction data and ETC and license plate account data from the Roadside System, BOS and CSC in its native format and not aggregated to summary level data. The MOMS work orders and system tickets shall also be made available in the Data Mart. The purpose of this Data Mart is for the States' Parties to develop States' Parties' reports outside of the TCS.	X	
	Proposer Response:		
SA-052	The Data Mart shall provide for the use of an Extract Transfer Load (ETL) with a full written data dictionary of the TCS data or a separate copy of the data to be replicated by the States' Parties for their own reporting.	X	
	Note: States' Parties may retrieve this data using one methodology or two separate methodologies as described below. Alternative 1 is to provide a copy of the database management system for the States Parties to use the data within the Data Mart. Alternate 2 is the use of an Extract Transfer Load (ETL) tool. The Toll System Provider shall accommodate both methodologies of retrieving this data from a specified operational database within the TCS. **Proposer Response:**		
SA-053	For the ETL method, the Toll System Provider shall provide all data available in the TCS to the ETL to be accessed by the States' Parties no less frequently than every 24 hours. The Proposer shall provide this capability no later than six (6) months prior to the first Tolling Readiness Deadline.	X	
	Note: The Proposer shall identify in this Technical Response Form the maximum frequency that the data may be retrieved from the System. **Proposer Response:**		

Roadside Requirements

Req ID	Roadside Requirements (Section RS)	Required	Value Add
RS-001	The Toll System Provider shall provide a Roadside System that accurately detects, classifies, rates and reports vehicles. The major function of the Roadside System is to accurately detect, classify and identify every vehicle passing through Toll Zones including the bi-directional lanes. The TCS shall provide the following functions of the Roadside System: 1. Detect, classify and rate vehicle Traffic Transactions in accordance with accuracy requirements and Performance Requirements; 2. Provide backup and archiving functions; 3. Operate in degraded modes with redundancy; 4. Be audited from BOS to individual lane Traffic Transaction records; and 5. Be a single source of toll collection data. The TCS shall generate a Traffic Transaction for every vehicle passing through any Equipment Lane of the Toll Zone. The Toll Zone shall accurately read Transponders, capture license plate images and classify vehicles anywhere in the Toll Zone between the left edge of the left shoulder and the right edge of the right shoulder, unless otherwise directed by the Joint Board.	X	
	Proposer Response:		
RS-002	The TCS shall implement axle based toll rates for specific Toll Zones and specific lanes. Rates set by the Joint Board may vary by time of the day and classification. The TCS shall classify vehicles into at least ten unique classifications without the Joint Board incurring additional charges from the Toll System Provider. The Toll System Provider shall provide an axle vehicle classification system that is based upon FHWA vehicle classifications. The vehicle classification shall be mapped by axle classes to the classifications below as specified during the Business Rules. The TCS shall provide, at a minimum, the following rating categories: 1. By vehicle class, from lowest to highest: a. Class 1 (car), b. Class 2 (small truck), and c. Class 3 (large truck) 2. By type of Transaction: a. Transponder with discount based upon a specified number of trips for a specified period of time (Class1 only), b. Transponder, c. Registered Video, and d. Unregistered Video 3. By other variables such as time of day. The TCS architecture shall support congestion pricing functionality from an external congestion pricing system in the future if required by the Joint Board.	x	
	Proposer Response:		
RS-003	The Toll System Provider shall ensure that no Traffic Transactions are lost and shall provide reports and the capability to check Traffic Transaction sequence numbers for purposes of audit and review. Transaction sequence number gaps shall be flagged by the BOS and reported by an alarm in MOMS.	X	

Req ID	Roadside Requirements (Section RS)	Required	Value Add
	Proposer Response:		
RS-004	The Toll System Provider shall have a Second Source Hardware Plan for all Roadside System equipment, including functionally equivalent second sources for any equipment for which a direct second source is not available.	X	
	Note: The Proposer shall describe its Second Source Hardware Plan and list all second source Major Spare Parts in the Technical Response Form. The Proposer shall note any Roadside System Equipment that does not have a second source. **Proposer Response:**		
RS-005	It is desired that a second source be provided for all Hardware. If a second source is not available for Major Spare Parts, a functional equivalent shall be included in the list provided in accordance with RS-004, which shall include a functionally equivalent second source if a direct second source is not available. The list shall include the components' primary functions in the roadside, make, model number and any other pertinent information.		X
	Proposer Response:		
RS-006	The Toll System Provider shall provide a separate Roadside System for each direction of traffic at the Toll Zones.	X	
	Proposer Response:		
RS-007	The Roadside System shall run independently of the BOS and continue to build Traffic Transactions if communications are disrupted. .	X	
	Proposer Response:		
RS-008	The Roadside System shall immediately build the Traffic Transaction with the information available, and shall operate in a degraded mode if some components are not functioning so that Performance Requirements are met.	X	
	Note: The Proposer shall indicate in its response the number of ETC readers, if any, over the number specified in Exhibit L that will be necessary for Proposer to meet this requirement. **Proposer Response:**		
RS-009	The Toll System Provider shall provide a complete Roadside System, with ETC, AVC and Image Processing System, on all Equipment Lanes in the Toll Zone.	X	
	Note: The Equipment Lane quantities in Form G - Price Proposal of the ITP reflect this requirement. **Proposer Response:**		
RS-010	The Toll System Provider shall provide the network connections between Toll Zones and the BOS. The Toll System Provider shall comply with the System architecture requirements for data communications architecture and all other Technical Requirements when configuring and implementing the network system.	X	

Req ID	Roadside Requirements (Section RS)	Required	Value Add
	Proposer Response:		
RS-011	The Toll System Provider shall size the communication link to handle all functions of the Roadside System and make the information available at the BOS, CSC and TOC in near-real-time. Near-real-time is defined as access to the Roadside System applications and data displayed from the BOS, CSC, TOC and from a VPN within 2 seconds.	X	
	Note: The Proposer shall provide in this Technical Response Form a network WAN diagram and LAN diagram for network communications between the Toll Zones, toll equipment cabinets and BOS. **Proposer Response:**		
RS-012	The Joint Board will provide the Toll System Provider with a toll equipment site as shown in Attachment C-2. A 120/208 VAC commercial power service meter, provided by others, will be terminated at the equipment pad provided by others. Data communication conduits and a pull string will be provided by others from the toll equipment to the Toll Zone gantry. The final locations of the pads are being reviewed and are not yet final, but it is expected that the toll equipment pads will be within 330 linear feet of the Toll Zone gantry. The Toll System Provider shall provide all cabling and terminations for all data and power between the toll equipment pad and the Toll Zone gantry. A network connection from the toll equipment pad to a commercial service provider shall be provided by the Toll System Provider.	X	
	Note: Toll System Provider's architecture may include Toll Gantry mounted equipment. **Proposer Response:**		
RS-013	The Toll System Provider shall provide a Roadside System with a minimum operational lifecycle of 10 years.	X	
	Note: The Toll System Provider shall specify the proposed Roadside System's operational lifecycle in this Technical Response Form. **Proposer Response:**		
RS-014	[Intentionally not used.]		
RS-015	All components of all equipment shall be modular in nature for maintenance, testing, and replacement purposes. All components shall be designed such that they are easily accessible with hand tools by maintenance technicians as needed.	X	
	Proposer Response:		
RS-016	It is desired that equipment enclosures, mounting Hardware, washers, brackets, screws, bolts and nuts exposed to the outdoor environment shall be constructed of American Iron and Steel Institute Type 316L grade stainless steel where possible.		X
	Proposer Response:		
RS-017	The Roadside System shall provide lightning and other surge protection such that the equipment can continue to perform without impact on normal functions during an electrical surge on the System. The Toll System Provider shall provide its surge suppression and lightning protection design and plan no later than 180 days after NTP.	X	

Req ID	Roadside Requirements (Section RS)	Required	Value Add
	Proposer Response:		
RS-018	The Roadside System shall classify vehicles under all weather conditions without any degradation.	X	
	Proposer Response:		
RS-019	The Toll System Provider shall provide remote access to authorized users with credentials and administrative controls of the Roadside System through the BOS. The Toll System Provider shall report each time the TCS is accessed remotely for any purpose, and identify from where and by whom the remote access was generated and make this report accessible to the Joint Board at all times.	X	
	Proposer Response:		
RS-020	Toll System Provider shall take reasonable measures to ensure that all equipment in the Toll Zone is secure against damage, theft and vandalism, but is accessible by authorized personnel without special tools or equipment other than electronic or physical security keys or as may be necessary to assist in reaching heights.	X	
	Proposer Response:		
RS-021	The Toll System Provider provided equipment shall comply with the latest adopted version of the National Electrical Safety Code as defined in the applicable codes and standards.	X	
	Proposer Response:		
RS-022	A Traffic Transaction shall include, but not be limited to the following: date and time stamp, Toll Zone gantry location and lane number, unique transaction sequence number, vehicle classification, state or province, special plate identifier or vertical letter stack, license plate number, identifier if license plate alpha-numeric string is on a current Watch List, all toll rates for the applicable vehicle class, and the status of lane and Roadside System (e.g. open, closed, maintenance).	X	
	Proposer Response:		
RS-023	It is desired that the Toll System Provider provide in-lane OCR capabilities. If in-lane OCR capabilities are provided, the OCR confidence values for the license plate numbers including any stacked characters and state shall be provided with the message. In-lane OCR capabilities shall meet the same Performance Requirements as OCR Performance Requirements as specified in the Performance Requirements.		X
	Proposer Response:		
RS-024	It is desired that the Toll System Provider provide Traffic Transaction, Financial Transactions and Event Transactions that are readable using commercially available and supported tools and that they shall be imported into a XML viewer or other commercial analytical tool such as Microsoft Excel.		X

Req ID	Roadside Requirements (Section RS)	Required	Value Add
	Proposer Response:		
RS-025	The Toll System Provider shall provide a thin-client application for Traffic Transactions, Financial Transactions and Event Transactions queries and traffic activity monitoring by individuals with proper identification and password authorization.	X	
	Proposer Response:		
RS-026	The Toll System Provider shall provide a vehicle classification system for the TCS such that there is no single point of failure and at least two vehicle classification methodologies in the TCS that shall continue to detect, separate, and classify vehicles and capture an image of each vehicle without degradation for vehicles traveling at speeds from and including 0 MPH to 100 MPH, in stop and go conditions, and in all weather conditions.	X	
	Proposer Response:		
RS-027	The Roadside shall receive and process BOS configuration information including Toll Rate Schedules, Transponder files, video license plate files, and other configurations as required.	X	
	Proposer Response:		
RS-028	The Roadside System shall provide one of the following options: 1. Send the transactions to the BOS immediately without batching, i.e., in near-real-time, or 2. Send transactions to the BOS every 4 hours (or more frequently) which would allow batching.	X	
	Note: The Proposer shall indicate in this Technical Response Form which option will be provided in the TCS. **Proposer Response:**		
RS-029	The Roadside System shall meet the service level requirements for audit, reporting, and all other business functions. No Transactions shall be lost during periods when communications with the BOS are not available. Transactions shall be available to be manually (via laptop or tablet) downloaded from the Roadside System and BOS in case of long term loss of communications between the BOS and Roadside System.	X	
	Proposer Response:		
RS-030	The Toll System Provider shall take reasonable measures to protect the Roadside System from vermin and keep it rodent proof at all times.	X	
	Proposer Response:		
RS-031	It is desired that the Roadside System accurately account for full revenue or indicated revenue when there is a toll suspension or special event that requires the toll rates to be set at less than the full toll amount to allow the Joint Board to track revenues expected during these events for the purpose of collections in the future within each transaction. The desired revenue fields in the roadside transaction message include but are not limited to full revenue (i.e. non discounted toll) and indicated revenue (i.e. premium or discounted toll subtracted from the full amount). It is desired that indicated revenue be configurable from 0% to 100% discounted from full revenue. For example, for a toll suspension, the full revenue and indicated revenue would be the same toll amount and the actual rate would be $0.00. This approach is desired as it provides clear traceability of revenues lost due to the toll suspension at the Transaction level.		X

Req ID	Roadside Requirements (Section RS)	Required	Value Add
	Proposer Response:		
RS-032	The Toll System Provider shall provide time synchronization for the TCS. All elements shall use this time for all associated time stamps.	X	
	Proposer Response:		
RS-033	The current E-ZPass Transponder list is approximately 44,000,000 entries for approximately 26,000,000 Transponders. The list is expected to be 95,000,000 entries in the next 5 years. The TCS shall process the current size Transponder list and current anticipated growth and shall process E-ZPass transactions in accordance with the E-ZPass policies and procedures.	X	
	Proposer Response:		
RS-034	The Roadside System shall process E-ZPass Group files or lists received from the BOS including the Transponder list (ITAG file), customer license plate list (ICLP file), invalid Transponder customer list (IITC file), and authorized non-revenue vehicles.	X	
	Proposer Response:		
RS-035	The Roadside System shall be remotely accessible and user configurable to view operational status and data for reconciliation purposes.	X	
	Proposer Response:		
RS-036	The Roadside System shall be installed and configured for multi-lane free flow tolling operations. The Roadside System requirements apply, and the Roadside System shall accurately process all Traffic Transactions in accordance with the Performance Requirements, regardless of the vehicle position while traveling within the Toll Zone.	X	
	Proposer Response:		
RS-037	The Roadside System shall accurately capture and process 2,300 vehicles per hour per equipment lane at each Toll Zone for all vehicle types.	X	
	Proposer Response:		
RS-038	The Roadside System shall accurately toll vehicles traveling at any speed up to 100 miles per hour.	X	
	Proposer Response:		
RS-039	The Roadside System shall operate so as to meet all Performance Requirements in an ambient (external to cabinet) temperature range of -20˚F to 120˚F in full sun or shade with a relative humidity ambient from 5 to 100 % (external to cabinet).	X	

Req ID	Roadside Requirements (Section RS)	Required	Value Add
	Proposer Response:		
RS-040	The Toll System Provider shall provide, install and configure a generator that allows the Roadside System to operate without refueling for 72 consecutive hours. The Toll System Provider shall provide a single generator per each Toll Gantry. The Toll System Provider shall provide all labor, materials and equipment and perform all civil work required to prepare a concrete pad for the generator.	X	
	Note: A diagrammatic view of the toll equipment site including the location of the generator is provided in Attachment C-2. **Proposer Response:**		
RS-041	The Toll System Provider shall provide a Changeable Message Panel LED 35 x 7 array Daktronics 1020 DDMS or approved equivalent. The Toll System Provider shall provide a local serial connection and wireless option. The Toll System Provider shall provide, procure, install, test and configure the changeable message panels. The Toll System Provider shall connect the TCS with the sign to update rates via a wireless communication. The changeable message panels shall provide rate information between $0 - $99.99 dollars and shall also be able to display other text information such as No Tolls.	X	
	Note: The toll rate sign structures and foundations will be provided by others. A diagrammatic view of the toll rate signs is provided in Attachment C-4. **Proposer Response:**		
RS-042	It is desired that all electrical equipment and components be certified by Underwriters Laboratory.		X
	Proposer Response:		
RS-043	The Roadside system shall be sized to operate continuously for 72 continuous hours without interruption in case of commercial power loss.	X	
	Note; The Proposer shall describe in this Technical Response Form how the system will operate continuously for 72 hours without loss of any data. **Proposer Response**:		
RS-044	It is desired that wrong way detection functionality including reporting and alarms associated with a vehicle passing through a Toll Zone in the wrong direction be provided in the TCS.		X
	Proposer Response:		

Back office System Requirements

Req ID	Back office (Section BO)	Required	Value Add
BO-001	The Toll System Provider shall provide a BOS that consists of a transaction system and an account management system to manage toll accounts and process Traffic Transactions, Financial Transactions and Event Transactions.	X	
	Proposer Response:		
BO-002	The Toll System Provider shall provide a complete, functioning, AET System that includes a Roadside System, BOS account management system, image review system and Customer Service Center. The BOS shall be configured and sized to support the functionality of the AET System, and shall also support account and Transaction growth at a rates of 15% per annum without any degradation in performance. The TCS shall collect revenue, accept Traffic Transactions and roadside data from the Roadside System, manage customer accounts, process images for vehicle identification, interface with numerous external systems, offer retail options for transponder sales and distribution, and provide access for toll patrons to utilize other E-ZPass toll facilities. The TCS shall be expandable to allow toll patrons to utilize other nationwide facilities in the future and perform all other functions as necessary to comply with the other Technical Requirements and other Contract Documents.	X	
	Proposer Response:		
BO-003	The BO TCS shall have a transaction database, video image storage array and an interface with the Roadside System to receive Traffic Transactions. The BO TCS shall have a CSC account management system, an IVR telephone system, a web interface, a local area network provider, a video image review process, a Disaster Recovery System Plan, an auditing and reconciliation process, interfaces with the CSC, Walk Up Centers, web services, an archiving system, and extensive reporting capabilities.	X	
	Proposer Response:		
BO-004	The Toll System Provider shall provide 1) account management and maintenance functions; 2) the Customer Website; 3) Transaction processing for Traffic Transactions, Financial Transaction and Event Transactions; 4) collections transaction processing and interface(s) for both current and past-due accounts; 5) DMV and rental car look-ups and interfaces; 6) functions necessary to allow authorized users to input Toll Rate Schedules into the System; 7) image review processing; 8) Transponder fulfillment functions; 9) IVR phone system for customer service use; 10) Walkup Centers and retail operations support services; 11) distribution of Transponders, reloading and replenishment services and toll and Violation payments collections and processing; 12) payment and credit card processing of Customer Statements; 13) transaction auditing and reconciliation; 14) customer contact services through phone, email, and SMS; 15) automatic generation of Customer Statements and Correspondence production and tracking; 16) operations and financial reporting; 17) remote location account services (Mobile Van); 18) physical and logical security; 19) Hardware; and 20) disaster recovery systems.	X	
	Note: The functionality to support remote location account services shall be included in the Proposer's response but the design, acquisition and use of the mobile van is a Pass-Through Cost Item and shall not be included in the Proposer's response. **Proposer Response:**		
BO-005	The Toll System Provider shall provide functionality for mobile operations (off site, not only Walk-Up Centers and retail operations, but mobile van services) for account setup, account management, retail distribution of Transponders and for retail operations. However, the System shall support the use of a mobile van in order to meet this requirement. The mobile van shall be a Pass-Through Cost Item if required by the Joint Board.	X	
	Note: The mobile van and all associated costs to outfit the mobile van shall not be included in this Technical Response Form, but Proposer shall indicate in this Technical Response Form how the proposed System shall support the use of a mobile van in order to meet this requirement.		

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-006	The Toll System Provider shall provide typical account services including making adjustments to accounts, changing Toll Rate Schedules, processing refunds, handling Violations, closing accounts, denoting customer contact and documenting those contacts, and offering account statements through print, email, and the Customer Service Website.	X	
	Proposer Response:		
BO-007	The TCS shall have the ability to search, look-up and find customer accounts using numerous fields including customer name, account number, Transponder number, and address.	X	
	Proposer Response:		
BO-008	The TCS shall be able to replenish an account through the use of a credit card, at retail distribution outlets and through the use of cash or credit card at Walk-Up Centers. The TCS shall have a methodology to identify lost or stolen Transponders when a Traffic Transaction occurs using a lost or stolen Transponder.	X	
	Proposer Response:		
BO-009	It is desired that the Toll System Provider provide a smart phone application for customer account management and account replenishment services.		X
	Proposer Response:		
BO-010	The Toll System Provider shall provide a TCS that assigns static toll rates to Transactions from the roadway based upon the latest Toll Rate Schedule or discounts established by the Joint Board.	X	
	Proposer Response:		
BO-011	The Toll Rate Schedules shall be transmitted electronically and updated as approved by the Joint Board. Toll Rate Schedules shall be utilized to establish the numerous toll rates to be assigned based on type of Traffic Transaction (ETC or pay by plate (pre-or post-registered)), vehicle classification, and discounts or promotions.	X	
	Proposer Response:		
BO-012	It is desired that the TCS provide functionality to support variable rates provided by an external system.		X

Req ID	Back office (Section BO)	Required	Value Add
	Note: The availability of this functionality will not be a condition to commencement of Revenue Service. **Proposer Response:**		
BO-013	The TCS shall store and link electronic copies of any inbound or outbound Correspondence to an account, including all types of mail, email, regular mail, fax, etc. and the Correspondence shall be visually available to the CSRs. Hard copy Correspondence shall be scanned and converted to a viewable electronic file for storage in the TCS. The TCS shall provide sufficient archiving capabilities for Correspondence associated with each customer account.	X	
	Proposer Response:		
BO-014	The TCS shall generate automated notices, letters and communications by regular mail, text messages, incoming BO-fax and e-mail. The Toll System Provider shall provide automated notices, one-time notices, bulk mail notices or individual notices for any Correspondence related to Toll System Provider and TCS operations. This function shall be configurable and shall allow management to prevent any type of notice from being processed automatically. The TCS shall provide functionality to process and send bulk mail Correspondence resulting from notices and general Correspondence. TSP shall provide such notices as are required by the approved Business Rules.	X	
	Proposer Response:		
BO-015	The Toll System Provider shall provide a BOS account management system that provides customer service channels by phone, web and an Interactive Voice Response system.	X	
	Proposer Response:		
BO-016	The Toll System Provider shall provide a BOS that offers a simple, intuitive process for establishing accounts and managing and modifying those accounts through the Customer Website, through the help of a CSR by phone, through retail distribution outlets, through mail received at the CSC, or through the help of a CSR at a Walk-Up Center. The TCS shall provide an efficient and user friendly platform for CSRs to optimize their time in establishing and helping customers to manage their accounts.	X	
	Proposer Response:		
BO-017	The Toll System Provider shall provide a BOS that can provide a resident, commuter and/or local plan. This functionality shall allow eligible customers, as determined by the Joint Board, to have a percentage or fixed dollar amount reduction in their tolls each month after a configurable number of trips on a Bridge. This functionality shall have the ability to reduce toll rates from 0% to 100% tolls for eligible account holders. The functionality shall also include the capability to charge a fixed fee per month, quarter or year for unlimited use of each Bridge and aggregated to all Bridges.	X	
	Note: This functionality may or may not be used but would allow eligible customers, as determined by the Joint Board, to have a percentage or fixed dollar amount reduction in their tolls each month after a configurable number of passages. The Proposer shall describe in this Technical Response Form existing functionality in its TCS that provides for resident/commuter plans. **Proposer Response:**		
BO-018	The TCS shall provide the ability to transfer an account from one account owner to another account owner using an affidavit process.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Note: The Proposer shall describe in this Technical Response Form its transferrable account capabilities, its affidavit system function and operations processes. **Proposer Response:**		
BO-019	It is desired that the transfer of account ownership be accomplished through an automated process to the extent possible.		X
	Proposer Response:		
BO-020	The TCS shall provide functionality for rental car Traffic Transactions accepted within the E-ZPass system.	X	
	Proposer Response:		
BO-021	It is desired that the TCS provide functionality to process and collect revenue for rental or leased cars outside of those collected in the E-ZPass system.		X
	Proposer Response:		
BO-022	It is desired that the TCS provide functionality to allow a customer to open a temporary unregistered license plate account that is configured for up to XX days where the days are from 0 to 99 days.		X
	Proposer Response:		
BO-023	The TCS shall provide a configurable minimum balance to open an account. The minimum balance shall be configurable by account type (e.g. ETC, registered license plate, commercial, government) and once configured shall allow CSR supervisors to override the minimum balance requirement for individual accounts where necessary. The required minimum balances shall be subject to Joint Board approval.	X	
	Proposer Response:		
BO-024	The TCS shall allow accounts to be converted from one account type to another account type. The TCS shall update the Toll Rate Schedules for the new toll account when the conversion occurs in accordance with the Business Rules.	X	
	Note: The Proposer shall describe which account types can be converted in its Technical Response Form. **Proposer Response:**		
BO-025	The TCS shall provide a configurable low balance threshold for accounts by account type. The TCS shall allow the low balance threshold to be overridden with management approval on a case by case basis. The required minimum low balance threshold shall be subject to Joint Board approval.	X	
	Proposer Response:		
BO-026	It is desired that the Toll System Provider provide other services to promote customer self-service applications such as chat, SMS and other emerging payment options.		X

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-027	The Toll System Provider shall ensure consistency of service, regardless of whether these services are provided in-house or by one or several external service providers, by developing policies and procedures and ensuring compliance with these policies and procedures.	X	
	Proposer Response:		
BO-028	The TCS shall setup and maintain all account types including ETC Accounts, Registered Video Accounts, Unregistered Video accounts, commercial accounts and government accounts.	X	
	Proposer Response:		
BO-029	Any external stakeholders including but not limited to the Joint Board shall have access to review, view, and examine customer accounts in accordance with the approved System Access Control Plan.	X	
	Proposer Response:		
BO-030	The TCS shall display in the account the most current address available through DMV look-up or the address provided by the customer.	X	
	Proposer Response:		
BO-031	It is desired that the TCS store previous customer addresses in the account and that they are easily viewable by authorized users.		X
	Proposer Response:		
BO-032	The TCS shall include functionality to re-look-up addresses after lapse of a configurable period of time to ensure the correct address is being used by the Toll System Provider.	X	
	Note: This functionality is intended to ensure the Toll System Provider has current name and address information for infrequent unregistered customers. **Proposer Response:**		
BO-033	The TCS shall have functionality or operations processes to address Customer Statements or Violations notices returned with NIXIE (as defined by the United States Postal Service) codes. The TCS shall use skip tracing or other methods to find and update the correct address associated with customer accounts.	X	
	Proposer Response:		
BO-034	The TCS shall provide Customer Statements that shall be configurable by account type.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-035	Customer Statements shall be provided to toll patrons monthly and as requested at any time by mail and email. Customers may opt in and opt out of receiving statements.	X	
	Proposer Response:		
BO-036	Customer Statements shall be configurable to include a fee to the customer account from $0-$99 per statement. The fee shall be established by the Joint Board.	X	
	Proposer Response:		
BO-037	The Toll System Provider shall have a near-real time interface with the Roadside System to transmit Traffic Transaction information from the Roadside System to the BOS and transmit configuration or customer information from the BOS to the Roadside System. Near real time requirements are defined in SA-021.	X	
	Proposer Response:		
BO-038	The Toll System Provider shall integrate the BOS with the changeable message panels as outlined in Technical Requirements Section RS. A record of all Toll Rate Schedules shall be stored in the BOS in accordance with the backup and archiving timeframe for the TCS.	X	
	Proposer Response:		
BO-039	The TCS shall have an interface with the E-ZPass system and interoperable agencies, and the Toll System Provider shall comply with the E-ZPass Operating Agreement, any agreements with other interoperable agencies, and all applicable amendments.	X	
	Note: The E-ZPass Operating Agreement and all associated and applicable amendments as of the date of the RFP are available in the Reference Information Documents. **Proposer Response:**		
BO-040	[Intentionally not used.]		
BO-041	The Toll System Provider's BOS architecture shall operate within limited degradation for specific failure modes that shall be established during the Business Rules and system architecture review.	X	
	Proposer Response:		
BO-042	The Toll System Provider shall process customer payments for tolls, fees and fines via credit card, check, money order, or cash. The Toll System Provider shall provide system functionality to encourage customers to establish auto replenishments for pre-paid accounts.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-043	The Toll System Provider shall safeguard cash deposits and shall provide armored car services in accordance with the Safety Plan.	X	
	Proposer Response:		
BO-044	The TCS shall process refund requests from customers. Credit card or debit card based toll accounts shall be refunded to the same card. Cash toll accounts shall be refunded with a check mailed to the address of record on the account.	X	
	Note: This Technical Response Form shall outline the Proposer's existing refund process including prescribed escalated times and authorization levels. **Proposer Response:**		
BO-045	Lockbox payments shall be received through an internal and external lockbox. The TCS shall process configurable returned check fees and TSP shall support the occasional times when cash is mailed to the lockbox. Returned check fees shall be identified and the appropriate account shall be charged a configurable fee for a returned check and record of the returned check and the fee shall be linked to the customer account in the TCS.	X	
	Proposer Response:		
BO-046	The Customer Website shall provide access for customers who do not have a Transponder to pay tolls, to pay Violations, to sign up for Registered Video accounts and ETC Accounts, and to manage Unregistered Video accounts.	X	
	Note: Unregistered Video Accounts may be available from the web, depending on the Proposer's design, to pay for tolls prior to the issuance of a Customer Statement functionality as described in BO-129. **Proposer Response:**		
BO-047	It is desired that the TCS be configurable by System operators to establish payment plan arrangements for certain customers.		X
	Proposer Response:		
BO-048	The TCS shall provide functionality for customer account communications and related system updates for adding vehicles to an account, requesting a Transponder, account maintenance communications, and payments, among other customer account communications.	X	
	Proposer Response:		
BO-049	Intentionally not used.		
BO-050	The TCS shall transfer payments between ETC Accounts, Registered Video accounts, Unregistered Video accounts and Violation accounts. The TCS shall accept post payments or other Joint Board designated account types.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-051	The TCS shall associate a credit card to an account for the purpose of toll payment where necessary as indicated in the Business Rules. The credit card transactions, debit card transactions, automated clearing house payments and refunds shall be processed in near-real-time. The TCS shall provide for the credit card information to be added, changed, or deleted on the customer account. Near-real-time is defined as an authorization code provided within 2 minutes. The settlement of the transaction may occur up to 72 hours after the time of the authorization.	X	
	Proposer Response:		
BO-052	The TCS shall accept and process various types of payments including credit card, debit card, automated clearing house, money order, cashier's check, traveler's check, personal check and cash, and shall track those payments and methods of payment, posting them to the appropriate customer account in near-real-time. The TCS shall provide multiple payment options within one Financial Transaction and shall accept partial payments towards the account balance based on the Traffic Transaction and Financial Transaction posting date/time in a first-in, first-out (FIFO) manner. For credit card, debit cards, and automated clearing house payments, please see definition of near-real-time in BO-051. For money order, cashier's check, traveler's check, personal check and cash, near-real-time means the payments shall be posted to the customer's account no later than 1 business day from the bank making the funds available for that financial instrument.	X	
	Proposer Response:		
BO-053	The TCS shall allow for review of Customer Statements by customers at the Walk-Up Centers and the Customer Website.	X	
	Note: The Proposer shall include other channels to present the Customer Statements in its Technical Response Form. **Proposer Response:**		
BO-054	The Toll System Provider shall provide a credit card processing merchant and system for approval by the Joint Board.	X	
	Note: The Proposer shall include in this Technical Response Form the credit card fees and rates expected to be paid as Pass Through Cost Items during the Term of this Agreement. **Proposer Response:**		
BO-055	The TCS shall provide for automatic replenishment of funds for a toll customer account and provide for the acceptance of notifications from banking institutions regarding status of credit, debit, or automated clearing house accounts.	X	
	Proposer Response:		
BO-056	The Toll System Provider shall provide a license plate image review system and operations.	X	
	Proposer Response:		
BO-057	The TCS shall manually view images to confirm or correct the vehicle LPN and state information when below a specified configuration OCR confidence threshold.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-058	The TCS shall report an exception when the number of image based trips exceeds a configurable threshold for an ETC Account. The TCS shall change the toll rate from the ETC rate to an Unregistered Video or Registered Video toll rate in accordance with the Business Rules once this threshold is reached.	X	
	Proposer Response:		
BO-059	The TCS shall identify License Plate Numbers and jurisdictions from all 50 states and all provinces of Canada.	X	
	Note: The Proposer shall identify the number of plates and plate types the OCR Software can be tuned to recognize in this Technical Response Form. The Proposer shall provide a list of the 15 states expected to originate the most Traffic Transactions within 90 days after NTP. **Proposer Response:**		
BO-060	It is a desired that the TCS provide an interface to an electronic bulk mailing system for mailing of Correspondences, statements, bills, and notices to customers.		X
	Proposer Response:		
BO-061	The Customer Website shall allow customers to establish, maintain, update, and review account information, order Transponders, pay Violations, pay "pay by plate" Traffic Transactions, establish Registered Video accounts, and ETC Accounts and make payments via a PCI compliant secure methodology. Customers shall be able to complete all Transaction activities through the Customer Website. The Customer Website shall be user friendly, high quality, attractive and easily understood by toll patrons. The Toll System Provider shall coordinate Customer Website design and content with the marketing firm engaged by the Joint Board.	X	
	Proposer Response:		
BO-062	The BOS shall provide information to the CSR regarding account status including but not limited to balance of account, expired credit card information, excessive image Traffic Transactions notification, and outstanding Customer Statements.	X	
	Proposer Response:		
BO-063	The Customer Website shall include the following information: road information, branding information, Joint Board contact information (email and phone number), information about how to open a Registered Video account and an ETC Account, information about how to pay a toll after a customer has travelled a Bridge without a pre-paid account, frequently asked questions, any upcoming maintenance or other information and links to other websites.	X	
	Proposer Response:		
BO-064	The Customer Website shall incorporate security standards to protect customers from unauthorized access and restrict access to any unauthorized users. At a minimum, customer data shall be password protected and the Customer Website shall include a password change policy. SSL encryption shall be implemented by the Toll System Provider.	X	
	Note: The Toll System Provider shall also identify in this Technical Response Form other security measures to be used in the TCS.		

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-065	The Customer Website content management system and actual Customer Website shall be in English.	X	
	Proposer Response:		
BO-066	It is desired that the Customer Website provide other language support without re-programming the Customer Website.		X
	Proposer Response:		
BO-067	The Customer Website shall include access for customers to Customer Statements and historical data, which historical data shall be available for two years by accessing the Customer Website, and then archived.	X	
	Proposer Response:		
BO-068	It is desired that the Customer Website have a user friendly content management system that allows the Joint Board to update content on the Customer Website without a programmer or any knowledge of programming.		X
	Proposer Response:		
BO-069	The IVR and Customer Website shall verify the customer's identity before disclosing or making any updates to customer data.	X	
	Proposer Response:		
BO-070	The IVR shall provide access to general information, the option to direct the call to an operator, or direct the customer to select a specific option that corresponds to the customer's inquiry. The IVR shall support a second language, to be determined later by the Joint Board, without any Software changes.	X	
	Proposer Response:		
BO-071	It is desired that the IVR measure and report a KPI for call answering performance for all calls transferred to agents. The metrics shall include the total customer call duration from the start of the IVR through completion on the automated system or with the CSR.		X
	Proposer Response:		
BO-072	The TCS shall maintain a record of customer communications and interactions through the IVR and the Customer Website for customer, Bridge use and account analysis.	X	
	Proposer Response:		
BO-073	The IVR shall be integrated with the CSC to allow for transfer of calls and updates to the accounts in near real time. For the purpose of this requirement near real time shall mean that the call is transferred within 2 seconds upon initiation of a transfer by the customer.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-074	The Customer Website and IVR shall allow the customers to make replenishments, post-paid toll payments and Violation payments, and update account information.	X	
	Note: The Proposer shall describe each payment channel on the Technical Response Form. **Proposer Response:**		
BO-075	The IVR and call management solution shall track and compile performance metrics statistics for CSC activities. The IVR shall track performance metrics statistics by hour, by day and by month for the following metrics and shall provide the Joint Board with a report of the same within 1 business day upon request and as part of the Monthly Operations and Maintenance Report. The minimum statistics to be tracked and reported are 1. total number of calls received, 2. total number of calls accepted by customer service representatives, 3. average time to answer, 4. maximum time to answer, 5. total number of calls that exceed configurable, specified hold time(s), and 6. total number of abandoned calls.	X	
	Proposer Response:		
BO-076	The Customer Website shall be updated in near-real time with information related to Traffic Transactions, Customer Statements, account maintenance, payments, and any other information required by the Joint Board. Near real time is defined as an update to the BOS at least every 24 hours so that TSP shall maintain a complete history of account information.	X	
	Proposer Response:		
BO-077	The Toll System Provider shall provide a backup and archiving system for all components of the TCS.	X	
	Proposer Response:		
BO-078	All accounts, customer information, IVR, Customer Website, and reports shall at a minimum be backed up every day. All System configurations required in recovering the System in case of outage or failure of any component shall be backed up every quarter and immediately whenever changes are made. These System confirmation backups shall include application, database and operating system settings. The backup data shall be retained off site from the CSC and TCS at the approved DR site.	X	
	Note: The TSP shall describe in this Technical Response Form the backup and archiving plan for the TCS. **Proposer Response:**		
BO-079	The Toll System Provider shall archive data no later than every month to an offsite system. Archived data shall be available for 10 years. Upon request, data shall be recovered and available to the user for analysis within 2 business days.	X	
	Proposer Response:		
BO-080	All credit card payment processing shall be PCI DSS Security Standards Council compliant. The TCS database shall comply with all applicable standards issued by the PCI DSS Security Standards Council, including the PCI DSS at the start of operations in the BOS, and remain compliant throughout the Contract Term.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-081	All external internet protocol addresses shall undergo a vulnerability scan at least quarterly by a qualified vendor, pursuant to the PCI DSS Data Security Standard. The TSP shall provide a copy of the current quarterly vulnerability scan report to the Joint Board within 10 business days of request by the Joint Board at any time during the Contract Term.	X	
	Proposer Response:		
BO-082	There shall be no direct user access to the BOS database management system by any interactive or system users. All access to the BOS database management solution shall be through BOS middleware. User authentication and access to the BOS database management solution shall be managed by the middleware application services using generic or function-related database connections.	X	
	Note: The Proposer shall describe in this Technical Response Form access to the database system for reporting by system users and interactive (human) users. **Proposer Response:**		
BO-083	All TCS database management system scheduled jobs shall be executed under a non-interactive account.	X	
	Proposer Response:		
BO-084	The BOS database management solution shall not permit any modifications or deletions of the original Traffic Transactions, Financial Transactions, and Event Transactions stored in the BOS database.	X	
	Proposer Response:		
BO-085	All TCS database management system records shall provide version control and shall be traceable for all components of the TCS. The TCS database management solution audit trail information for each correction entry shall include, at a minimum, the date and time of the change, identification of the person or automated transaction function initiating the change, and reason code or descriptor justifying the change.	X	
	Proposer Response:		
BO-086	The TCS database management solution shall be secure and provide automatic credit card industry standard encryption of all credit and debit card data transmitted to the database via customer service representatives or received via the internet.	X	
	Proposer Response:		
BO-087	The TCS database management solution shall provide the following: 1) automatic setup, job scheduling, and execution of backup and recovery scripts; 2) real-time diagnostic testing and problem resolution scripts,3) historical performance data and assistance in database server capacity planning; 4) aid in automating, on a24 hours per day, 7 days per week, monitoring of priority events based on critical threshold; 5) management of database schema modifications; and 6) performance tuning capabilities including, but not be limited to server, database, table, index and query levels.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-088	The Toll System Provider shall provide an enterprise commercial reporting system (ERS) that shall allow the Joint Board or authorized agents, vendors or third parties to view, create or edit reports within the System with qualified and trained staff.	X	
	Proposer Response:		
BO-089	It is desired that the ERS be a Commercial Off-the-Shelf solution such as Business Objects (includes Crystal reports), Jaspersoft Microsoft SQL Server Reporting Services or Cognos. The Toll System Provider may propose other commercial tools subject to Joint Board approval.		X
	Proposer Response:		
BO-090	The Toll System Provider shall provide an existing suite of operational, financial, maintenance and other TCS reports as the basis for reporting. The reports shall be updated as required for the States' Parties.	X	
	Proposer Response:		
BO-091	The TCS shall have configuration management tools to manage Software and versioning in the TCS.	X	
	Note: The Proposer shall indicate in this Technical Response Form the name(s) and version(s) of the reporting tool(s) that the Proposer proposes to use for the Project. **Proposer Response:**		
BO-092	The Toll System Provider shall provide training and access for the Joint Board to prepare its own user-designed, ad-hoc custom queries in addition to predetermined reports.	X	
	Proposer Response:		
BO-093	The ERS shall be an integrated solution covering all report requirements for pre-determined, existing and ad-hoc reporting.	X	
	Proposer Response:		
BO-094	The ERS shall provide central administrative control of user roles assignment in the System.	X	
	Proposer Response:		
BO-095	The ERS shall provide one of the following electronic report and screen formats: Adobe PDF, HTML, XML, RTF, and Microsoft Office 2010. Any of these products used must have compatibility.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-096	The ERS shall provide batch report processing that can run in the background concurrent with other applications. The ERS shall be in a separate layer from the BOS system that processes Transactions for the TCS.	X	
	Proposer Response:		
BO-097	The ERS shall have a standard template for report formats and data formats that will be used for future report templates.	X	
	Proposer Response:		
BO-098	It is desired that the ERS have a user interface which is browser-based and compatible with the user interfaces used throughout the TCS.		X
	Proposer Response:		
BO-099	The ERS shall have the following capabilities and administrative functions: provide data by report columns, dashboard reporting, reporting calendar for scheduling pre-determined reports, graphical representation capabilities, drill down and sideways capabilities, reporting of data source capture points and the data relationship(s), sort data by report columns, filter tools for search and for reporting purposes, support for segmentation reporting based on excluded criteria, recordkeeping for each report created, which shall include, at a minimum, report owner, date created, date last edited, and a brief description of the report's purpose.	X	
	Note: The TSP shall indicate reports available in the system in its Technical Proposal Response Form. **Proposer Response:**		
BO-100	The ERS shall allow authorized users to receive regular reports automatically. A user interface shall be provided for the user registration and registration edit functions, together with details of current registrations and report links currently available to the user.	X	
	Proposer Response:		
BO-101	It is desired that standardized control data shall be shown on all reports.		X
	Proposer Response:		
BO-102	The ERS shall be configurable to include at least two logos provided by the Joint Board at any time and other facility information such as toll plaza name, facility, or lane numbers and location of the facility.	X	
	Proposer Response:		
BO-103	The TCS shall query data imported and exported to other systems when generating reports. The TCS shall allow for unrestricted and flexible reporting of any and all data. States' Parties shall have complete access to any data in the TCS database. The TCS reports shall be batch, ad hoc, standard, and non-standard.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-104	The Toll System Provider shall supply a reporting system that will utilize a query and run reports on the TCS. This reports system may be integrated into the TCS or can be an off- the-shelf system. The reports system shall provide reports for phases of Transactions and their movement through the TCS, and shall be capable of being queried using numerous methodologies. The reports system shall provide reports by ad hoc methodologies and through standard reports for Financial Transaction management, performance, and audits, The reports system shall be electronic; be compatible with Microsoft Office 2010 products; provide graphical representations of queries; save and query reports for future use; sort, add, edit or delete filters; and provide dashboards.	X	
	Proposer Response:		
BO-105	The TCS shall provide graphical and spreadsheet reports for CSR activity, CSC activity, customer account activity, Transponder fulfillment activities, revenue reports, Transaction reports, financial reports, IVR reports, Violations reports, collections reports, Customer Website activity reporting, Walk-Up Center activity, customer contact reports, and general activity reports of the TCS system.	X	
	Proposer Response:		
BO-106	The TCS shall provide functionality for offering promotions and promotional discounts that include but are not limited to: special pricing for certain customer groups, and prepaid trips on the Bridges. In the case of account holder promotions or discounts, the TCS shall be configured to discount the account on a transaction basis and also based on a configurable number of transactions posted to an account for a specific time period.	X	
	Proposer Response:		
BO-107	The Toll System Provider shall have account functionality to designate that vehicles with approved Transponders or License Plates shall be charged a 100% discounted toll rate for trips made through the LSIORB Toll Zones.	X	
	Proposer Response:		
BO-108	The TCS shall identify, resolve, and manage exceptions based on defined data, parameters and Business Rules.	X	
	Proposer Response:		
BO-109	Only authorized personnel of the TCS shall add, update or delete entries on the list of TCS exceptions. A list of all actions of any authorized or unauthorized personnel shall be logged into the TCS and available in exception reports.	X	
	Proposer Response:		
BO-110	The TCS shall have the configurable capability to handle exceptions by correcting the exception, charging the customer (including merging of Traffic Transactions), or by coding them off. These actions shall be based on the approved Business Rules.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-111	The TCS shall retain an audit trail of the occurrence of each exception including the time and date, type of exception, triggering event and resolution.	X	
	Proposer Response:		
BO-112	The TCS shall set configurable Business Rules and thresholds for the purpose of managing exceptions and transaction processing as directed by and subject to the approval of the Joint Board.	X	
	Proposer Response:		
BO-113	The TCS shall ensure that only authorized non-revenue Transponders are charged zero dollars for tolls. The TCS shall maintain a Project specific non-revenue account list for the Project.	X	
	Note: For example, Traffic Transactions initiated by drivers holding Transponders that are designated as non-revenue Transponders from an account established with another E-ZPass agency shall not be treated as non-revenue Traffic Transactions in the TCS. **Proposer Response:**		
BO-114	The TCS shall retain records of non-revenue travel and the associated vehicle or Transponder number.	X	
	Proposer Response:		
BO-115	The TCS and the Toll System Provider operations shall prevent customers from being erroneously charged (overcharged, double charged or undercharged).	X	
	Proposer Response:		
BO-116	The Toll System Provider shall provide a lockbox service that is integrated into the TCS and that updates account records in the System when payments are recorded in the System.	X	
	Proposer Response:		
BO-117	The TCS shall perform automated look-ups for customer name and address acquisition and check them against DMV records through interfaces with services provided by the Toll System Provider. The Toll System Provider shall coordinate access with the Joint Board and integrate directly through the Kentucky and Indiana DMV.	X	
	Proposer Response:		
BO-118	The TCS shall communicate court evidence packages with the courts through the following interfaces: Web Portal, Paper, FTP, USB drive, and CD-ROM.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-119	The Toll System Provider shall provide all necessary mailing services for customer invoices and Correspondence services. The Toll System Provider shall ensure that all Customer Statements mailed to the customer are stored in the TCS and available to the customer service representatives. Postage will be reimbursed to the TSP as a Pass-Through Cost Item.	X	
	Proposer Response:		
BO-120	The Toll System Provider shall manage Hardware, Software and equipment life cycles to ensure equipment is replaced prior to “end-of-life cycle” or at such earlier time when the manufacturer no longer provides support for the components.	X	
	Proposer Response:		
BO-121	The Toll System Provider shall use field-proven Hardware, Software and equipment configurations that have been deployed on toll projects of similar or larger size and complexity, and that support future upgrades to processors, memory, storage, operating system, database and other System components.	X	
	Proposer Response:		
BO-122	The Toll System Provider shall provide an interface from the TCS to the Kentucky DMV and the Indiana DMV. The TCS shall provide an automated license plate file transfer interface to the Indiana DMV and the Kentucky DMV for look-up and return information for the registered owner. The methodology used to achieve this interface shall be at the discretion of the Toll System Provider. The TCS shall track all files transferred to each DMV with which it interfaces and track how many files were transferred successfully resulting in a license plate return and address, and also how many requests were returned unsuccessfully.	X	
	Note: The Kentucky and Indiana DMV support automated look-ups for outside organizations that successfully apply. Both Indiana and Kentucky allow multiple owners to be associated with a single vehicle and license plates stay with the prior owner when a vehicle is sold or otherwise transferred. **Proposer Response:**		
BO-123	The Toll System Provider shall provide a TCS that includes Transponder inventory and fulfillment application services. The TCS Transponder inventory and fulfillment services shall include Transponder purchasing, distribution, tracking, warranty data, returns to manufacturer, and reporting interfaced with the INDOT procurement process. The TCS shall import Transponder manifest lists from common file formats to be used in the TCS without additional manipulation. The TCS shall include bar code processing which results in automatic entry of Transponder identification numbers into the TCS. The TCS shall track the full life cycle of a Transponder from the time it is purchased through allocation to each of the centers for distribution, through the fulfillment process and finally through the end life of the Transponder when it is removed from inventory. The TCS shall provide a report of the total number of Transponders, the locations of those Transponders, where the Transponders are in the distribution process, the customer account to which they have been assigned, shipping information, and information for final delivery to the customer. The inventory process shall account for the locations (both physical and within the distribution process) of all Transponders during their life cycle. The TCS shall produce reports that detail the number of Transponders distributed, the number of Transponders requested to date, the number of Transponders fulfilled, the number of Transponders shipped, and the number of requests in progress. The TCS shall track and provide reporting for warranty information on the Transponders, returns to the manufacturer warranty expiration dates, and number of Transponders in inventory.	X	

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-124	The Toll System Provider shall fully audit and reconcile Traffic Transactions throughout the life of the Traffic Transaction. The TCS shall provide for the ability to fully reconcile the flow of Traffic Transactions throughout the system to each end state of the Traffic Transactions from receipt of roadside activity through the TCS, through its final disposition. The TCS shall be fully auditable and provide robust reconciliation processes for customer service representative transactions, ETC Transactions, video Transactions, account balances, front counter and call center activity, adjustments, credit card Transactions, and payments. The methodology used for this reconciliation process shall be at the discretion of the Toll System Provider but shall provide auditable insight into each component of the TCS and into each step of the Transaction. The Toll System Provider shall have an auditable system to track all payments and any Financial Transactions as well. The TCS shall be required to reconcile Traffic Transactions with payment collections. Reports shall be generated for auditable and logical Transaction and payment reconciliation.	X	
	Note: The Toll System Provider shall provide in this Technical Response Form a Traffic Transaction flow and Financial Transaction flow that allows the Joint Board to conduct traffic and revenue audits from the roadside through the account management system including interoperability partners and external third parties, and also the same in the reverse direction. An audit trail shall be provided by the Toll System Provider to demonstrate the flow and disposition of all Transactions. **Proposer Response:**		
BO-125	The Toll System Provider shall provide a TCS that includes a retail distribution network for Transponders, Transponder reloading, account replenishment, and toll payment services such as would occur at local grocers, pharmacies, etc. The TCS shall support at least one type of such service such as kiosks, interaction with store clerks, or use of gift card type packages.	X	
	Note: Proposer shall specify the type or types of retail distribution networks to be provided with the TCS. **Proposer Response:**		
BO-126	The TCS shall have functions to support a cash-replenishment network to provide cash based replenishments in retail locations and shall describe the customer experience for the cash replenishment network in the System Documentation. The BOS Operations Plan shall identify any differences in Business Rules to be applied at the retail locations.	X	
	Note: The Proposer shall describe in this Technical Response Form the customer experience for the cash replenishment network. **Proposer Response:**		
BO-127	The Toll System Provider shall provide financial and operations reporting for the cash based replenishments network.	X	
	Note: The Toll System Provider shall describe the interface with the cash replenishment network-provide and the operations and financial reporting for the interface in the System Documentation. **Proposer Response:**		
BO-128	It is desired that the cash-replenishment network provide functionality for customers to purchase transponders, pay invoices or Violations and support balance inquiries on customer accounts.		X
	Note: The Proposer shall describe in this Technical Response Form the customer experience for the cash replenishment network.		
BO-129	It is desired the Toll System Provider provide functionality to allow customers without an account to pay for tolls prior to the issuance of a Customer Statement.		X

Req ID	Back office (Section BO)	Required	Value Add
	Proposer Response:		
BO-130	The Toll System Provider is responsible for DMV lookup for all other States and Provinces. The TCS shall track all files transferred to each DMV with which it interfaces and track how many files were transferred successfully resulting in a license plate return and address, and also how many requests were returned unsuccessfully. The Toll System Provider shall also interface with Nlets through an existing INDOT agreement if existing access to Nlets is not included in the Proposer's response. Proposer will be required to establish and maintain all required certifications to utilize the Nlets interface regardless of which access is incorporated into the proposal.	X	
	Note: The Proposer shall describe its existing out of KY or IN State and Province lookup process in its Technical Response Form. The Proposer may use an existing Nlets interface if already available and functional within the Proposer's system. **Proposer Response:**		

Customer Service Center Requirements

Req ID	Customer Service Center (Section CS)	Required	Value Add
CS-001	The Toll System Provider shall supply appropriate staffing for a fully functional and operational CSC to support tolling operations of the Project. These services shall include, but are not limited to, 1) account management and maintenance services, 2) Customer Website services, 3) mailroom operations, 4) customer communications through phone, email and or text, 5) interoperability and reciprocity, 6) internal or external financial and lockbox operations, 7) ETC and image review processing, 8) Transponder inventory and fulfillment, 9) Violation processing, 10) internal or external administrative and court collections processing, 11) Walk-up Center operations, 12) quality assurance and quality control, 13) training, 14) management, oversight and personnel services, 15) reporting, 16) security of information, and 17) equipment in order to successfully collect toll revenue for toll customers. The Joint Board shall have no responsibility for increases or decreases in actual levels of equipment, but the Joint Board will pay for some limited services and facilities using Pass-Through Cost Items as defined in the Contract.	X	
	Proposer Response:		
CS-002	The CSC shall be staffed with personnel that are experienced and knowledgeable in toll industry practices, and the Toll System Provider shall provide trained, competent and courteous customer service staff to assist individuals and businesses in managing their toll accounts. The CSC shall provide all services required to enable customers to pay tolls by use of a Transponder or image capture of their license plate or through the Violations and collections process; including accounts from interoperable toll agencies, and the resolution and payment of toll bills, notices and collection of civil penalties for unpaid tolls.	X	
	Proposer Response:		
CS-003	Customer service representatives shall provide all services related to toll accounts for toll customers, to include account opening, replenishments, account closings, answering inquiries, processing Violations, and handling collections or billing issues.	X	
	Proposer Response:		
CS-004	The Toll System Provider shall provide customer service representatives who can provide basic customer service functions over the telephone, in person, or via mail or the web, for all account types. The Toll System Provider shall provide CSRs who can perform customer service tasks include opening accounts, retrieving account information, updating account information, vehicle information, replenishing accounts, changing credit card or replenishment sources, issuing new or replacement Transponders, accepting returns of Transponders, closing accounts, establishing and billing postpaid accounts, refunding errant charges or remaining balances on closed accounts and assisting customers with troubleshooting. Additional tasks such as cash collection, change runs, inventory control, etc. shall be provided as necessary to provide a complete CSC operational facility. Oversight of human resource issues such as time clocks, appropriate conduct and attire are the sole responsibility of the Toll System Provider.	X	
	Proposer Response:		
CS-005	The TCS and the Toll System Provider's policies and procedures shall support first contact resolution of any customer issues.	X	
	Proposer Response:		
CS-006	The Toll System Provider shall minimize transfers and follow-up calls.	X	
	Note: The Proposer shall demonstrate in this Technical Response Form how its policies and procedures will satisfy this requirement.		

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-007	The Toll System Provider shall provide customer service staff access to a complete customer interaction history for all payment channels to support the resolution of a customer inquiry.	X	
	Proposer Response:		
CS-008	The Toll System Provider shall maintain a written record of all customer interactions with the BOS so that TSP shall maintain a complete history of account information.	X	
	Proposer Response:		
CS-009	The Toll System Provider shall track and categorize all customer communications by customer, type of communication, dispute status and type of problem as recorded in the TCS.	X	
	Proposer Response:		
CS-010	The Toll System Provider shall access data to handle communications, interactions, and workflow management within the TCS.	X	
	Proposer Response:		
CS-011	The Toll System Provider shall provide a consistent customer experience across all payment channels.	X	
	Note: Proposer shall describe in this Technical Response Form how its policies and procedures demonstrate that it will provide a consistent customer experience for customers interacting with the CSC to make payments in any of the available methods **Proposer Response:**		
CS-012	If the Proposer's system architecture is such that the images are stored at the Roadside System, it is desired that the Toll System Provider provide the ability to retrieve images and Transactions from the Roadside System for any customer communications.		X
	Proposer Response:		
CS-013	Toll System Provider shall maintain a record of all customer complaints and disputes. All contacts with customers regarding complaints and disputes shall be entered in a customer complaint log and linked to the customer's account, and all subsequent contacts, responses and actions shall be noted in the record, through resolution and final disposition. The record shall identify the customer, means of contact, date, time, issue, action, and identity of CSR responding to the customer information. The record shall be maintained in accordance with the data retention policy period and shall be available to the Joint Board upon request.	X	
	Proposer Response:		
CS-014	The Toll System Provider shall support the Joint Board and its consultants in communicating with~~,~~ media representatives, community representatives and other stakeholders.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-015	The System(s) shall record and report in the TCS the types of customer communications being received by the TCS including email, fax, SMS, phone call, letter, retail location or Walk-Up Center visits.	X	
	Proposer Response:		
CS-016	The Toll System Provider shall develop procedures, and training materials for responding to customer communications.	X	
	Proposer Response:		
CS-017	The Toll System Provider shall provide an option that the customer may select on the IVR to obtain answers to a set of FAQs and answers developed by the Toll System Provider. Toll System Provider shall also include any FAQs and answers that the Joint Board submits to Toll System Provider for inclusion in the IVR FAQs.	X	
	Proposer Response:		
CS-018	The Toll System Provider shall regularly update the FAQs and responses for accuracy and timeliness. Toll System Provider shall describe its procedures for updating FAQs and responses in the CSC Operations Plan.	X	
	Note: Proposer shall describe in this Technical Response Form how it will develop a process and implement a procedure to ensure that the FAQs and responses are regularly updated. **Proposer Response:**		
CS-019	The Toll System Provider shall ensure that the Customer Service Center staff are trained by system Suppliers, and are provided with TSP provided manuals including online manuals to support the resolution of interactions. CSR staff shall also be provided with a decision tree and referral directory.	X	
	Proposer Response:		
CS-020	The TCS shall have implemented appropriate security and controls to protect the data from unauthorized use and unauthorized users.	X	
	Proposer Response:		
CS-021	The Toll System Provider shall provide reports on customer communications status and the resolved reason code for resolution in the Monthly Operations and Maintenance Report.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-022	The average mean time for Toll System Provider to respond to all customer communications shall be as follows. • Response to customer emails - 3 days during Startup Operations and 1 day during Steady State Operations. • Response to Voicemails - 3 days during Startup Operations and 2 days during Steady State Operations. • Response to Written Correspondence - 5 days during Startup Operations and 3 days during Steady State Operations. The Toll System Provider shall report the average mean time for response to customer communications on a monthly basis in the Monthly Operations and Maintenance Report, and shall also report minimum and maximum customer communications times.	X	
	Proposer Response:		
CS-023	The Toll System Provider and the TCS shall provide capabilities to record in writing customer disputes concerning Customer Statements, processing and enforcement actions.	X	
	Proposer Response:		
CS-024	The Toll System Provider (IVR and Web) customer communication channels shall provide information advising customers of the available service options including identification of the appropriate customer contact point for specific issues, payment of Customer Statements, and directions for converting a Customer Statement to a prepaid ETC Account or Registered Video Account.	X	
	Proposer Response:		
CS-025	The TCS shall post Traffic Transactions to existing accounts for customers who have Registered or Unregistered Video Accounts and the TCS shall create accounts based on Traffic Transactions for customers who do not have existing Registered or Unregistered Video Accounts.	X	
	Proposer Response:		
CS-026	The TCS shall provide the means for potential customers who do not yet have an account to access general information about the Project from the Customer Website, IVR or CSRs.	X	
	Proposer Response:		
CS-027	The Customer Website shall provide access for customers who do not have a Transponder to pay tolls and Violations or sign up for a Registered Video Account.	X	
	Proposer Response:		
CS-028	The Toll System Provider shall provide a user configurable fee structure to be used for customers to make arrangements to pay tolls and establish a payment plan.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-029	The TCS shall address customer account communications including adding vehicles, requesting a Transponder, account maintenance and payments.	X	
	Proposer Response:		
CS-030	The CSC staff shall identify potential system and service issues from their interactions with customers. Customer Service Center staff shall communicate with and provide feedback to the Toll Operations Center or Joint Board in a timely manner.	X	
	Proposer Response:		
CS-031	The Toll System Provider through the CSC shall monitor the Customer Website, provide notices and daily informational updates to the Customer Website as needed, and coordinate those updates for approval by Joint Board. The CSC shall ensure that Customer Website operations meet Performance Requirements by performing routine checks on the Customer Website account management system, and the Customer Website informational page.	X	
	Proposer Response:		
CS-032	The Toll System Provider shall ensure that the toll customers' inbound and outbound mail is handled accurately, expeditiously and confidentially while at the same time operating in a cost-efficient manner. The CSC shall log any and all mail room activity which is not automatically tracked by the TCS. The CSC shall time and date stamp and log all incoming mail and shipments. The mailroom shall be kept clean and orderly with a minimum of materials out of storage at all times. Valuable items, particularly inventoried items such as Transponders, shall be stored under lock and key when not in use. Mail room services shall be appropriately staffed to ensure that all mail transactions are completed daily with no backlog before close of the mail room, and in compliance with Performance Requirements.	X	
	Proposer Response:		
CS-033	The Toll System Provider and CSC operations shall be responsible for printed material and the preparation and mailing of all outbound mail or shipments including but not limited to: notices of expiring credit cards, notices of account balances dropping below a configurable balance, billing and Violation notices up to and including collection notices, Transponder kits to customers, Transponder retail packages to retail outlets, and Transponders being returned to the manufacturer for any reason. The Toll System Provider shall provide quality control and approval of all outgoing Correspondence before release from the mail house or internally at the CSC. TSP shall assemble typical mail distribution packages that may include a Transponder package kit with marketing branding logos, a mounting instructions sheet and a terms and condition statement. TSP shall use such marketing items, branding or logos as the Joint Board may direct during the Term. TSP shall obtain Joint Board prior approval of Transponder kits, instructions, and packaging.	X	
	Proposer Response:		
CS-034	The Toll System Provider shall provide for all users of the toll road the ability to pay tolls automatically with their toll account from interoperable and reciprocal tolling members of the IAG. TSP shall provide CSC services to interoperable agency customers. TSP shall perform regular transaction and financial reconciliation with each interoperable toll agency, and monitor all required file exchanges, dispute processing and resolution and the sending of final reciprocity amounts through the established Joint Board channels for fund exchanges. TSP shall perform all processing including final settlement. The CSC shall service Project toll customers in their use of other toll authorities' facilities to the greatest extent possible as well as fully support "away" customers using the Bridges.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-035	The Toll System Provider shall provide a lockbox operation that includes extensive oversight of the process, controlled access, CCTV monitoring, processes and procedures for disposal of incoming mail materials, archiving if available, control of paper usage in the lockbox area and attention to detail. The Toll System Provider shall provide a staff to support lockbox operations and provide mail opening processes, scanning of mail procedures, receipt of funds through the mail, acceptance of any Correspondence addressed to the lockbox P.O. Box, and any Correspondence for the Project.	X	
	Proposer Response:		
CS-036	The Toll System Provider shall ensure that all money is handled and accounted for in a timely manner. Toll System Provider shall provide the Joint Board with all necessary tools to enable it to track all System activities involving the handling of money and verify reconciliation processes easily and quickly. Employees of the Toll System Provider who handle cash must pass a level of security clearance established by the Toll System Provider and approved by the Joint Board. All TSP Personnel with access to money or account information shall undergo and pass security screenings consistent with Good Industry Practices prior to assignment to the Project. These screenings shall be documented and available for Joint Board review.	X	
	Proposer Response:		
CS-037	The Toll System Provider shall provide oversight of Transaction processing such that the CSC has valid, accurate and reliable information from the TCS to successfully service the customer accounts.	X	
	Proposer Response:		
CS-038	The Toll System Provider shall provide an image review staff and supervisors to manually enter license plates which are not or cannot be read through OCR Software and maintain Performance Requirements for image review staff and backlogs. This team shall be responsible for review of all images that do not pass the OCR with a confidence level of percentage threshold that is configurable in the System.	X	
	Proposer Response:		
CS-039	The TCS shall process Traffic Transactions and Financial Transactions in the same way for both Project Customers and interoperable customers (except for additional steps as identified within the E-ZPass Agreement) so that both customer groups have the same customer experience.	X	
	Note: This requirement is to ensure that all Transactions are processed in a timely manner and treated in a consistent manner regardless of Transaction type. **Proposer Response:**		
CS-040	It is desired that the Toll System Provider provide a second image review by a different clerk or supervisor to verify the initial image review clerk's results when a license plate was read and assigned a high confidence level, but the information appears to be incorrect, or the license plate has not been seen before or cannot be recognized or read.		X

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-041	The Toll System Provider shall accurately identify new and un-matched license plates to the correct owner of record using search tools and mechanisms consistent with Good Industry Practices.	X	
	Proposer Response:		
CS-042	The Toll System Provider shall provide that license plate image interpretation results are accurately entered into Transaction records, through implementation of the image review Business Rules approved by the Joint Board, and shall provide spot checks and internal quality control checks of automated image processing system.	X	
	Proposer Response:		
CS-043	The Toll System Provider shall ensure that image review clerks perform quality control procedures on images entered, and update data for those images not recognized automatically.	X	
	Proposer Response:		
CS-044	The Toll System Provider shall provide that Transponders owned by or in the care of the Joint Board are handled and accounted for in a secure manner. Toll System Provider shall ensure that only authorized users are allowed access to the System or facilities to handle the Transponders. Reports of Transponder inventory shall be generated and reviewed by Toll System Provider not less than monthly. The Toll System Provider shall be responsible for all Transponders under its or its agents or subcontractors' control. This shall include financial responsibility for damaged or stolen Transponders in the Toll System Provider's inventory.	X	
	Proposer Response:		
CS-045	The CSC shall accurately track and report the location and distribution of all Transponders. Controls such as bar coding, warranty and location of each Transponder shall be tracked upon initial receipt into inventory, whether in the CSC inventory storage, with a CSR in the CSC or Walk-Up Center, in the mail room or remote facility locations, at a retail outlet prior to sale and registration, assigned to a customer account, reported lost, damaged or stolen, returned to the CSC to be sent back to the manufacturer, or returned for disposal.	X	
	Proposer Response:		
CS-046	The CSC shall take a weekly physical count of Transponder inventory, and shall be responsible for inventory reconciliation every week, and when inventory is received, or transferred to and from locations. Inventory reports shall include minimum order levels. The Toll System Provider shall notify the Joint Board when new Transponders need to be ordered. The Joint Board shall purchase the Transponders in the types and quantities recommended by the TSP and transfer them upon receipt to the CSC for inventory management. The Toll System Provider shall verify the receipt of Transponders and shall acknowledge such receipt to the Joint Board. Toll System Provider's notice to the Joint Board requesting Transponder orders must incorporate purchasing lead times to ensure there is never a shortage of Transponders on hand.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-047	The Toll System Provider shall keep Transponder kits in inventory and include them with Transponders distributed over-the-counter, via mail, or through retail outlets. The kits shall include read prevention bags, Bridge maps, mounting instructions, terms and conditions, marketing and branding logo mailer. The CSC shall be responsible for maintaining an adequate inventory of Transponder kits.	X	
	Proposer Response:		
CS-048	The Toll System Provider shall provide adequate secured space for Transponder inventory storage, adequate secured space for fulfillment operations and adequate secured space for designated secured locations for mail drop.	X	
	Proposer Response:		
CS-049	The Toll System Provider shall support and process Transponders purchased by customers at other E-ZPass interoperable toll agency customer service centers. The TCS shall provide functionality to support monthly fees for different types of Transponder accounts (e.g. E-ZPass accounts may have a service fee whereas the local 6C Transponder based accounts may have no fee or a different fee).	X	
	Proposer Response:		
CS-050	The Toll System Provider shall provide staff to oversee, review, and process Violations that are generated from the TCS. This staff shall generate the paper version of the notices, review the notifications electronically and on paper, check the Violation for accuracy, ensure the Customer Statement is appropriate and legible and send the Customer Statement to the mail room for distribution. The Toll System Provider shall provide management that is responsible for answering escalated calls from customers not addressed by the CSR staff.	X	
	Proposer Response:		
CS-051	The Toll System Provider shall process all Customer Statements generated by the TCS based on approved Business Rules. It is desired that invoices clearly indicate fees and fines applicable to each individual Traffic Transaction included in the Customer Statement, and the total amount of fees and fines for the aggregate of all Traffic Transactions listed in the Customer Statement based on approved Business Rules. Invoices generated automatically by the TCS shall be reviewed for quality control and accuracy before processing the invoices and sending them to the customer.	X	
	Note: The Joint Board currently anticipates using a three-step Customer Statement process. The first Customer Statement will be for the amount of the toll owed. If that is not paid within thirty (30) days, a new Customer Statement will be sent which will act as a late notice. The charge on that Customer Statement will be for the amount of the toll and a late fee. If no payment is received within thirty (30) days, a final Customer Statement will be sent which will act as a Violation notice. The charge on that Customer Statement will be for the amount of the toll, the amount of the fee previously charged, and the amount of the Violation fine. If no payment is received within thirty (30) days after this Customer Statement is sent, the Violator's account will be moved to the Collection Agency process, whether internal or external to the TSP, and, if the Violator is a citizen of a state with which the Joint Board has a reciprocal video toll enforcement agreement, communications with the DMV in the Violator's state will begin and a hold will be put on the Violator's vehicle registrations. This description is preliminary, is for information purposes only, and is subject to change at the sole discretion of the Joint Board.		

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-052	The TCS shall support administrative hearings in accordance with Kentucky Revised Statue Chapter 13B. The TCS shall suspend collections and all determined escalation times during the administrative hearing process. The TCS shall notify the Joint Board by email within 24 hours when an administrative hearing process is requested and all records associated with an administrative hearing shall be linked to the customer account. The Toll System Provider shall provide reports on the current number of administrative hearings by account and current status (e.g. open, pending, closed and associated resolution).	X	
	Note: An administrative hearing can only be initiated by a customer making a request. After the TSP notifies the Joint Board that a customer has made a request for an administrative hearing, the Joint Board will appoint a hearing officer. The hearing officer will send out the appropriate notices and provide the hearing schedule. The TSP will be asked to provide evidentiary support during the hearing. The hearing officer's authority is limited to determining whether the toll charged is owed. Some examples of reasons the hearing officer may determine a toll is not owed include misidentification of license plate, errors in registration look up, and incorrect vehicle classification. If the hearing officer determines that the toll was correctly charged, the Toll System Provider will resume normal collection activities at the point at which they were suspended due to the administrative hearing process, unless the customer appeals the hearing officer's determination to the Kentucky courts. If a customer appeals the hearing officer's decision, the Toll System Provider shall continue to suspend collection activities against that customer until the court issues its ruling. If an appeal is made, the TSP will be asked to provide evidentiary support and possibly to provide a representative to act as a witness. **Proposer Response:**		
CS-053	The Toll System Provider shall provide collection services to collect past due accounts in accordance with the approved collections process set forth in the Business Rules to be commenced after the invoice process has been completed and has failed to result in the customer's payment of the amounts owed within the number of days for the invoice process specified in the approved Business Rules. The collection services may be provided by the Toll System Provider directly or contracted through the Toll System Provider to a third party service.	X	
	Note: The cost of collection services shall be included in the Proposer's Cost Proposal regardless if provided by the TSP or through a third party service. **Proposer Response:**		
CS-054	The TCS shall provide a threshold dollar amount for escalation of accounts sent to collection. If the threshold is less than the configured amounts, the accounts shall not be sent to the Collection Agency for future pursuit but shall remain as a receivable in the TCS with the outstanding debts including tolls and fees due to the Joint Board.	X	
	Proposer Response:		
CS-055	The Toll System Provider shall provide Walk-Up Centers to provide face-to-face account establishment and maintenance service for customers; to distribute Transponders directly to the public; and to support revenue collection and oversight by the Joint Board. The Walk-Up Centers shall accept cash along with credit cards, checks, debit cards, and money orders. TSP shall provide management of a cash bank, armored car pickups, and secured access control at the Walk-Up Centers.	X	
	Proposer Response:		
CS-056	The Toll System Provider shall lease space in its own name for the Walk-Up Centers. Two locations shall be required. One location shall be in Louisville, KY and the other location shall be in Jeffersonville, IN. At least 3 potential locations for each Walk-Up Center shall be submitted by TSP to the Joint Board for review and approval. At a minimum, Walk-Up Centers shall be equipped with a waiting room with chairs and writing surfaces, counter surfaces or counter space for customers, customer service representative counters, a small mail room and space for backup fulfillment activities, a small printing and production area, an area for copier, printers, and fax machines, a small secured inventory and storage space for Transponder management, an IT closet, a small break room with sink, drinking water,	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	lockers and microwave, a supervisor's office, separate accessible waiting room and hearing room, and one small office for a Joint Board employee on assignment or inspection. Walk-Up Centers shall meet American with Disabilities Act requirements for employees and customers and comply with all applicable Laws, building codes and standards.		
	Proposer Response:		
CS-057	The Toll System Provider shall be responsible for the Walk-Up Center storefront build out and shall provide oversight and timely completion. The Walk-Up Center build out shall be subject to review and approval by the Joint Board. Furniture, equipment, Hardware, Software, supplies, computers, printers, faxes, chairs, waiting room chairs, IT equipment, etc. shall be the responsibility of the Toll System Provider. The budget for the Walk-Up Center build out, construction plans, the furniture plans, and all equipment and supply lists shall be submitted to the Joint Board for approval.	X	
	Proposer Response:		
CS-058	Toll System Provider shall procure all necessary Utility services for the Walk-Up Centers. The Joint Board shall pay TSP's actual, direct costs incurred for such services as provided in the Agreement. All Utility services must be pre- approved by the Joint Board before TSP enters into any agreement for services to be paid for by the Joint Board as Pass Through Cost Items.	X	
	Proposer Response:		
CS-059	The Walk-up Centers shall be highly secured retail outlets, with separate secured rooms for inventory, a safe, and cash handling area. Access control and CCTV monitoring shall be required at both locations.	X	
	Proposer Response:		
CS-060	Call monitoring shall be part of the regular QA/QC process and shall be reported on the Monthly Operations and Maintenance Report. Toll System Provider shall cooperate and assist the Joint Board in the Joint Board's exercise of its right to conduct random monitoring of the CSC and the Walk-Up Centers and record the results.	X	
	Proposer Response:		
CS-061	The Toll System Provider shall perform ongoing customer satisfaction surveys regarding the CSC and submit the same for quarterly reviews by the Joint Board.	X	
	Proposer Response:		
CS-062	The Toll System Provider shall use a training program for employees, such that those trained employees shall present a positive, professional image. This training program shall be reviewed and approved by the Joint Board. Employees shall be well-trained before handling customers' money, customers' accounts, or interacting with customers in person, on the telephone or through mail or e-mail. The Toll System Provider shall provide a training plan included with the BOS Plan that addresses all areas of the CSC, including technical use of the TCS systems and TCS technical processes, information regarding the Project and customer relations, including dealing with difficult customers and situations. The training program shall be ongoing and continuous.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-063	The Toll System Provider employees' appearance, demeanor, and behavior shall be professional and courteous at all times.	X	
	Proposer Response:		
CS-064	It is desired that the Toll System Provider compensate full-time and part-time employees with competitive salaries and all normal privileges, benefits and guarantees of employment that are afforded to the Toll System Provider's existing regular and part-time employees. This includes providing benefits such as medical coverage, retirement plans, sick leave, vacation pay and holiday pay. The Toll System Provider shall provide employees with a benefit package that keeps employee turnover to a low rate.		X
	Proposer Response:		
CS-065	The Toll System Provider shall provide a dedicated CSC manager to oversee the CSC to ensure that procedures and internal controls within the CSC adhere to Performance Requirements. All CSC management and supervisory personnel assigned to the CSC shall be approved in advance by the Joint Board. The Toll System Provider shall submit a complete personnel and staffing plan included in the CSC Operations Plan outlining all job descriptions in each of the functional areas to the Joint Board for its review and approval.	X	
	Proposer Response:		
CS-066	The Toll System Provider shall submit requirements for employment at the Toll System Provider's company and affiliated Subcontractors for CSC services in the CSC Operations Plan. These employment requirements shall outline items such as legal citizen status, photo identification from a governmental agency, ability to clearly speak English or English and Spanish, education requirements, etc. These requirements shall be reviewed and approved by Joint Board.	X	
	Proposer Response:		
CS-067	The Toll System Provider shall provide CSC supervisors and staff to monitor the IVR and associated dashboard to ensure Performance Requirements are met. The supervisors shall move staff to appropriate operational tasks to ensure performance levels meet or exceed the Performance Requirements.	X	
	Proposer Response:		
CS-068	The Toll System Provider shall provide reports on all customer service representative account-related activities on a monthly basis in the Monthly Operations and Maintenance Report, and at any time upon request by the Joint Board. These reports shall be in a format approved by the Joint Board and shall include, at a minimum, calls received per day and by hour, calls received by the IVR per day and by hour, calls received by the IVR then directed to a CSR per day and by hour, calls directly to CSR per day and by hour, customer service representative availability, customer service representative utilization, telephone center activity logs, average wait time by day and by hour, average talk time by day and by hour, average after call work time by day and by hour, and abandoned calls by day and by hour. These reports shall be graphically presented for use by Joint Board and the CSR supervisory staff.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-069	The Toll System Provider shall provide reports on all mail room activities on a monthly basis in the Monthly Operations and Maintenance Report, and at any time upon request by the Joint Board. These reports shall be in a format approved by the Joint Board and shall include, at a minimum, inbound mail by source, category, type and origin, outbound mail printed and prepared, incoming mail received and processed by the post office, daily cost of postage which shall be paid by the Joint Board and any backlog of incoming or outgoing mail.	X	
	Proposer Response:		
CS-070	The Toll System Provider shall provide accounting and reconciliation reports on a monthly basis in the Monthly Operations and Maintenance Report, and at any time upon request by the Joint Board. These reports shall be in a format approved by the Joint Board and shall include at a minimum an accounting of cash and all other payments collected at the CSC storefronts, Walk-Up Centers, retail distribution outlets under contract, and by mail; account deposits, shortages and overages, adjustments due to daily reconciliations, and customer accounts balances, CSC and VPS activities; tolls collected and tolls posted, recommended fund transfers, deposits and withdrawals by CSC for each shift, number of Transaction types, deposits by payment type, cash deposits, low, high and average values of, the account balance activity including beginning-of-day and end-of-day balances, all tolls and fees, and replenishments, and interoperable account activities for interoperable home and away Traffic Transactions and Financial Transactions reconciliation and settlements.	X	
	Proposer Response:		
CS-071	The Toll System Provider shall provide monthly staffing reports included in the Monthly Operations and Maintenance Report. The weekly staffing report shall be in a format approved by the Joint Board and shall include workforce number per job description, percentage of required positions filled, progress and efforts being made in filling the vacant positions and turnover rates.	X	
	Proposer Response:		
CS-072	The Toll System Provider shall provide daily, weekly and monthly production and productivity reports, and accuracy reports related to the number of OCR images which required changes. These reports shall be stored in the TCS and shall be sortable by location and by image review clerk.	X	
	Proposer Response:		
CS-073	All facilities provided by the Toll System Provider shall be secure, and only authorized staff shall be allowed access into the facilities other than areas of the WUC designated for general public access. The Toll System Provider shall provide a security and access control management plan included with the BOS Plan that clearly identifies how access is granted, managed and maintained through employee attrition.	X	
	Proposer Response:		
CS-074	The Toll System Provider shall ensure that no unauthorized personnel shall have access to individual records, payment histories, any personal information for Project Customers or interoperable toll customers. Paper records shall be locked when not in use, and password and identification controls shall be employed for data access.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-075	The Toll System Provider shall not allow cellular telephones, cameras, or other electronic mobile devices capable of capturing still images or video in any area where customer information is visible other than areas of the WUC designated for general public access. CCTV shall be utilized to monitor and deter any and all illegal or unauthorized activities in the CSC. CCTV coverage shall cover all areas of the CSC floor operations, lockbox operations, image review operations, and Transponder fulfillment operations.	X	
	Proposer Response:		
CS-076	The TCS shall protect all customer data from access by unauthorized users. The TCS shall ensure that only properly authenticated customers can obtain access to their own data.	X	
	Proposer Response:		
CS-077	[Intentionally not used.]		
CS-078	For customer authentication, the TCS shall require input of data fields (e.g., name, address, Transponder ID and license plate number) that uniquely identify that customer.	X	
	Proposer Response:		
CS-079	For customer authentication, the Customer Website shall require input of data fields (e.g., name, address, phone number, Transponder ID and license plate number) that uniquely identify that customer.	X	
	Proposer Response:		
CS-080	The Toll System Provider shall provide a separate phone system outside of the IVR system for typical business calls to be received by the CSC and the CSC staff.	X	
	Proposer Response:		
CS-081	The Toll System Provider shall provide an approved security and compliance policy manual to each of its employees and shall obtain a signed copy of the acknowledgement of the security and compliance manual and ensure that all employees working under the Toll System Provider in the CSC are aware of the security policies and enforce compliance.	X	

Req ID	Customer Service Center (Section CS)	Required	Value Add
	Proposer Response:		
CS-082	It is desired that the Toll System Provider have a dashboard and monitor in the CSC, such that the screen is visible to all customer service representatives and supervisors for viewing the current status of calls, wait times, and number of customers on hold.		X
	Proposer Response:		
CS-083	The Toll System Provider shall provide weekly payroll statements to the Joint Board and have records easily accessible and viewable for review by the Joint Board. At a minimum, the employee name, hours and role of employee shall be included in the payroll statements.	X	
	Proposer Response:		
CS-084	The Toll System Provider shall provide operating procedures and manuals included with the BOS Plan that provide clear direction to CSC employees governing the basic roles of their job assignment. These manuals shall be available and on site for inspection and review by Joint Board throughout the Term of the Agreement.	X	
	Proposer Response:		
CS-085	The Toll System Provider is responsible for providing all Hardware, Software and/or any other equipment for the Toll System Provider's internal or program use purposes. The Toll System Provider shall provide all Hardware, Software, furniture, chairs, phones, headsets, mice, computers, power cords, wireless connectivity, and any other equipment and supplies to provide a fully operational CSC with all capabilities required by the Contract Documents. These include, without limitation, CSR phone bank equipment, furnishings and supplies; image review equipment, furnishings and supplies, Transponder fulfillment equipment, furnishings and supplies, supervisor and management computers, equipment, furnishings and supplies; mailroom operations equipment, furnishing and supplies; Violation processing equipment, furnishings and supplies, interoperability equipment and supplies, lockbox equipment, furnishings and supplies; administrative and courts collection equipment, furnishings and supplies, internal Software programs, third party programs such as MS Office, internal company email applications, quality control programs and associated Software programs and Hardware, all training equipment and training stations, all training materials, all policy and procedure manuals, printers, copiers, faxes, internet connections, desk and furniture supplies, office supplies, printer cartridges, and any types of shared drives or repositories, etc.	X	
	Proposer Response:		
CS-086	It is desired that the Toll System Provider provide the ability to provide color high quality customer Correspondence from the CSC. Applicable Correspondence includes but is not limited to escalation, Violation and collection notices.		X
	Note: The Proposer shall provide actual samples of all customer Correspondence in this Technical Response Form. This includes but is not limited to 1st, final and any intermediate invoices, Violations notices, debt referral letters, court templates, low balance notifications, credit card expiration or any other applicable Correspondence. Proposer shall identify text and configurable parameters on the Correspondence in this Technical Response Form. **Proposer Response:**		

Req ID	Customer Service Center (Section CS)	Required	Value Add
CS-087	The Toll System Provider shall provide phone lines capable of supporting a TCS that anticipates an increase in call volume that would be expected to be associated with handling 100,000 additional daily Traffic Transactions above the number of Traffic Transactions currently handled by the Toll System Provider at its existing CSC, or if Toll System Provider elects to provide a new CSC, phone lines capable of supporting a the call volume expected to be associated with 100,000 daily Traffic Transactions, assuming, in either case, that 50% of those Traffic Transactions occur as ETC Traffic Transactions at the commencement of Revenue Service.	X	
	Note: The Proposer shall at a minimum provide the following information in this Technical Response Form: Total number of CSRs in call center Total number of CSRs added to call center for the Project Ratio of CSRs to supervisors Ratio of CSRs to lead CSRs, if applicable. Total number of customers serviced by the Call Center Currently on a daily basis Total number of customers serviced by the Call Center Currently on a monthly basis A description of how additional volume is handled such as as a result of promotions, Violation mailings, or customer invoicing mailing? If the CSC services numerous clients, a description of how priority of service to each client is determined. Which clients receive priority and why on days of high call volumes? Indicate the number of dedicated phone lines that will be provided to the Project. Explain Proposer's existing phone system configuration and Proposer's anticipated phone system configuration upon the addition of the Project. **Proposer Response:**		
CS-088	The Toll System Provider shall provide dedicated commercial customer service specialists to service commercial LSIORB account holders.	X	
	Proposer Response:		

Toll Operations Center Requirements

Req ID	Toll Operations Center (Section TO)	Required	Value Add
TO-01	The Toll System Provider shall provide a Maintenance Online Management System (MOMS) that supports maintenance operations for all Software and Hardware provided in connection with the Project or otherwise pursuant to the Agreement. The Toll System Provider shall also operate the MOMS. MOMS shall have two major components, a system monitoring component that provides alarms and configuration management and the inventory management to track all devices.	X	
	Proposer Response:		
TO-02	The Toll System Provider shall provide support and maintenance services for all Systems provided by the TSP, including but not limited to: 1) maintaining the access control system configuration; 2) maintaining the databases, applications, and the Data Mart including data aggregation processes, database optimization of the database schema and Data Mart schema; 3) maintaining proper indexing on all databases; 4) responding to all MOMS alerts and performing repairs and corrections, and 5) providing Software fixes for defects and malfunctions.	X	
	Proposer Response:		
TO-03	The TSP shall operate and maintain the TCS so as to provide comprehensive System monitoring services. The Toll System Provider shall include a secure web based real time monitoring system to monitor and report the status of all System components; and assign priorities and actions to events. The monitoring system shall at a minimum: 1) monitor Hardware and Software health; 2) provide and operate a dashboard that graphically displays components' health; and 3) include comprehensive log reporting capabilities. Monitoring of Software shall include monitoring of databases, applications and processes in the system.	X	
	Proposer Response:		
TO-04	The TSP shall provide and maintain the TCS by using the automated MOMS. The TCS shall provide system-generated maintenance job tickets, manually created job tickets, information indicating how the preventive maintenance work is scheduled in the System, information indicating how repair activity is logged, reported and resolved in the System.	X	
	Proposer Response:		
TO-05	The MOMS shall monitor activities, provide alerts and generate tickets in real-time for all processes and unusual activity triggered by the System and System operators, including but not limited to: communication, Hardware, Software, and database failures.	X	
	Proposer Response:		
TO-06	The MOMS shall provide monitors and alerts, and shall calculate and generate tickets in real-time for all processes, including but not limited to: high number of image rejects in a lane, high number of Violations or image Traffic Transactions in a lane; threshold limits exceeded (e.g. Violations, class mismatch); and response times, repair times, and down time from the data entered by the maintenance staff and automatically generated by the TCS.	X	
	Proposer Response:		

Req ID	Toll Operations Center (Section TO)	Required	Value Add
TO-07	The Toll System Provider shall provide a MOMS that includes but is not limited to receiving and monitoring status messages of all System Hardware and Software and providing local trouble ticket manual entry or email entry by authorized users. The MOMS shall store data in a relational database to permit data recovery and flexibility in reporting via Ad-hoc reporting.	X	
	Proposer Response:		
TO-08	The Toll System Provider shall report and log all maintenance activities into the MOMS. The Toll System Provider shall document all information and issues related to a failure condition including all actions taken to complete the correction into the MOMS.	X	
	Proposer Response:		
TO-09	The Toll System Provider's maintenance staff shall have real-time access to the MOMS, and the Toll System Provider shall establish and maintain all the required connections to ensure that the maintenance staff has remote access. Maintenance staff shall be trained in the use of the MOMS.	X	
	Proposer Response:		
TO-010	The Toll System Provider shall enter and update in MOMS all incidents within 4 hours of the incident. All updates shall be reported by the MOMS.	X	
	Proposer Response:		
TO-011	It is desired the Toll System Provider provide a MOMS that accepts trouble tickets using mobile applications that can be used by technicians to enter information.		X
	Proposer Response:		
TO-012	The MOMS shall record all configuration data, and log and retain that data in configuration control after each System component change, including deployment of system patches, backup, archival, data restoration, disaster recovery data transfer and synchronization.	X	
	Proposer Response:		
TO-013	MOMS shall calculate response times, repair times, and down time from the data entered by the maintenance staff and automatically generated by the System and shall provide role-based security.	X	
	Proposer Response:		
TO-014	All preventive maintenance shall be scheduled through the MOMS and automatic work orders shall be generated at the scheduled times.	X	

Req ID	Toll Operations Center (Section TO)	Required	Value Add
	Proposer Response:		
TO-015	The MOMS system shall track all system Hardware and Software elements from purchase to their disposal. These include but are not limited to: 1) All system Hardware and Software items, locations and versions; 2) All maintenance and service agreements; 3) A list of suppliers from whom products were procured, original purchase order numbers, Supplier numbers and reference numbers; 4) All warranty information for the individual item; 5) Alerts prior to warranty expiration; and 6) Automatic alerts for Spare Parts levels.	X	
	Proposer Response:		
TO-016	The MOMS shall automatically generate reports demonstrating performance, exceptions, availability, and compliance to Performance Requirements (if applicable) for the System and all of its components such as the IVR and Customer Website. MOMS daily, weekly and monthly reports shall be available on-demand.	X	
	Note: The TSP shall provide a list of reports available in the system in its Technical Proposal Response. **Proposer Response:**		
TO-017	Toll System Provider shall include the Maintenance and Support Plan for the Joint Board's approval that demonstrates serviceability of components and the overall system, with attention to how performance metrics will be tracked and reported to the Joint Board. The Maintenance and Support Plan shall illustrate how the proposed structure and position of equipment provides optimum ease of service and maintenance during lane closures, and ease of access during regular maintenance.	X	
	Note: The Proposer shall include in this Technical Response Form detailed descriptions of how it will service the System components, including but not limited to 1) camera cleaning and lighting replacement; 2) remote and on-site equipment calibration and tuning; 4) Hardware replacement during live operations; and 4) remote Software upgrades and maintenance including patch management. **Proposer Response:**		
TO-018	Toll System Provider shall provide monitoring services with a secure web-based real time monitoring system to monitor and report the status of all System components.	X	
	Note: The Proposer shall clearly provide in this Technical Response Form examples of how its existing MOMS system detects changes and anomalies and how this information is reported from the TCS. **Proposer Response:**		
TO-019	The TCS shall provide reports that provide trouble ticket detailed and summary status for Hardware and Software processes for the TCS and any external or internal interfaces.	X	
	Note: The Proposer shall provide in this Technical Response Form a list of its existing suite of standardized reports for MOMS along with a brief description of each one as to its purpose and how it is used for monitoring the health of the System and performance in the field.		

Req ID	Toll Operations Center (Section TO)	Required	Value Add
	Proposer Response:		
TO-020	It is desired the Toll System Provider provide to authorized users operational, management and performance MOMS reports (on-demand, ad-hoc, daily, monthly) that include but are not limited to: • Exceptions report summarizing all unusual or significant occurrences during the period and all items that are not processing correctly or are stuck in the System • Trend analysis for repetitive failure • Equipment versions, Software versions, firmware versions and serial numbers for all equipment installed as part of the TCS • Disaster recover data transfer and synchronization • Detailed list of parts replaced as a result of maintenance actions, with an identification of warranty versus non-warranty replacement • Status of spare parts inventory • Staffing report detailing positions, staff hours worked and performance; and • Other reports available to operate and maintain the system.		X
	Proposer Response:		
TO-021	It is desired that the MOMS system monitor Software processes including but not limited to cron jobs, operating system services, application processes, database management metrics such as available memory in cache and other critical performance areas in the System.		X
	Proposer Response:		
TO-022	The Toll System Provider shall provide storage space for all Spare Parts. The Toll System Provider shall be responsible for the inventory of all Spare Parts at a Toll System Provider-provided Warehouse Facility that is within 10 miles of one of the Walk-up Centers and co-located if feasible. The Toll System Provider shall provide a Warehouse Facility to store all Spare Parts and equipment and serve as the maintenance depot. The Toll System Provider shall account for all Spare Parts and shall provide safeguards against theft, damage, or loss of the Spare Parts. The Toll System Provider shall ensure that only Spare Parts and equipment required to service the Project are stored at the Warehouse Facility and that such stored Spare Parts and equipment shall only be used for the Project.	X	
	Note: The Joint Board shall have final approval of the location of the Warehouse Facility. The Toll System Provider shall obtain and maintain a lease for the necessary Warehouse Facility, subject to the Joint Board's approval. **Proposer Response:**		
TO-023	The Toll System Provider shall maintain an adequate Spare Parts inventory as specified in the Agreement. The Toll System Provider shall identify the existing spares for the Roadside System and propose the quantity needed to maintain the required performance. The Toll System Provider shall make available all necessary test and warranty repair resources for replacement including test repair and warranty repair, spare modules and spare components to support availability of the TCS in accordance with the Performance Requirements. The Joint Boar reserves the right to purchase any and all Hardware for the Project from the Supplier directly. The Toll System Provider shall recommend and periodically update a Spare Parts Inventory Plan identifying the quantity to be maintained in order to support the Project, its Roadside System, BOS, and CSC Revenue Service.	X	

Req ID	Toll Operations Center (Section TO)	Required	Value Add
	Proposer Response:		
TO-024	Spare Parts Inventory and Tracking: The Toll System Provider shall monitor the inventory quantity and ensure that the inventory is maintained to the levels required in the Agreement. The Toll System Provider shall keep accurate records of all Spare Parts entering and leaving inventory including but not limited to: the time and date the Spare Part was dispensed, and the location within the Project to which the Spare Part was dispatched and used. The Toll System Provider shall track of all warranty replacement through a returned materials authorization (RMA) process. If the replaced part is under warranty, the part shall be immediately replaced with a new part. If the replaced part is out of warranty, the Toll System Provider shall make every effort to repair the replaced item to a usable status and place the part back into the Spare Parts inventory. If the part is unable to be repaired, a new part shall be purchased and placed into the Spare Parts inventory. The details of the repair efforts including problem, status, inventory, and repair disposition shall be included in the MOMS inventory and repair database.	X	
	Proposer Response:		
TO-025	Procurement and Control of Spare Parts: Thirty (30) days prior to the first Tolling Readiness Deadline, the Toll System Provider shall purchase and have on-hand the agreed upon inventory of Spare Parts. The facility and storage area shall be secured and connected to an up-to-date security network system with alarm notification provided to the Maintenance staff. The Joint Board shall have full and unrestricted access to the Maintenance and/or storage facility. Any Spare Parts that are lost or damaged due to the negligence, intentional act, or omission of the Toll System Provider or its employees, subcontractors, agents, or invitees shall be replaced by the Toll System Provider at its sole cost. The Toll System Provider shall deliver all Spare Parts to the Warehouse Facility. After the Warranty Period the Joint Board shall reserve the right to purchase all Spare Parts directly from the Supplier and all purchases will be coordinated through a process recommended by the Joint Board at that time. After the Warranty Period, the Toll System Provider-provided Spare Parts not purchased directly by the Joint Board shall be provided at cost, shall not include any mark up, and shall be in accordance with the prices as specified in the Agreement.	X	
	Proposer Response:		
TO-026	The Toll System Provider shall provide Spare Parts adequate to support operations of the TCS and shall provide a sample inventory list of Spare Parts for the Project for its successful operation to ensure no degradation of service to the Project or customers.	X	
	Note: The Proposer shall include in this Technical Response Form a list of all Major Spare Parts of the System that will be used to maintain the System. A sample list of the types of Major Spare Parts is listed below: **Roadside System** ▪ Image Camera and Illuminator ▪ Roadside Controller ▪ Inductive Loop array (AVC) ▪ Inductive loop controller(AVC)		

Req ID	Toll Operations Center (Section TO)	Required	Value Add
	▪ Overhead Laser Scanner ▪ CCTV Camera **BOS and CSC** ▪ Applications servers(list specific items) ▪ Web server (list specific items) ▪ Database servers(list specific items) ▪ Network Switches and Routers ▪ Link and Load Balancers (if application) **Proposer Response:**		

Operations and Maintenance Requirements

Req ID	Operations and Maintenance (Section OM)	Required	Value Add
	Warranty		
OM-001	The Roadside System Hardware and Software warranty shall be 1 year from the Revenue Service Date for each Bridge.	X	
	Note: The Roadside System warranty start and end dates will have staggered start and end dates if the Revenue Service Dates differ for each Bridge. **Proposer Response:**		
OM-002	The BOS and all associated interfaces Hardware and Software warranties shall be a minimum of 3 years from the commencement of Revenue Service for the first Toll Zone.	X	
	Note: For purposes of this requirement, the BOS shall include the account management system, transactions system, reporting system, MOMS, external systems provided and any systems required by the Toll Operations Center, and CSC and Walk-up Centers. **Proposer Response:**		
OM-003	The Toll System Provider shall provide all labor, parts and materials to keep the System performing in accordance to the Performance Requirements.	X	
	Proposer Response:		
OM-004	The TCS Software Warranty shall cover all defects and failures.	X	
	Proposer Response:		
OM-005	The Toll System Provider shall modify Software and configurations as necessary to maintain and support the TCS in the normal course of business. Toll System Provider shall provide any and all version changes, parameter changes and changes that improve the Toll System Provider's ability to maintain and support the TCS at no additional cost to the Joint Board.	X	
	Proposer Response:		
OM-006	All warranty information shall be tracked and notification of expiration sent out to distribution list approved by the Joint Board. The warranty provisions shall be tracked for Major Spare Parts and Components excluding consumables.	X	
	Note: It is not necessary to track consumables. **Proposer Response:**		
OM-007	The Toll System Provider shall maintain warranty records, review Software and Hardware discrepancies and make available patch management reports to demonstrate Software compliance with the warranty.	X	

	Proposer Response:		
OM-008	The Toll System Provider shall conduct a System Certification Audit at the start of the third full year after the Revenue Service Date of the last Bridge that will include a compliance audit of all Hardware and Software including operating systems, databases and applications that demonstrates that all Software and Hardware meets a configuration audit and test that demonstrates that the System complies with all Performance Requirements. Any variances shall be reported along with a corrective action plan.	X	
	Note: The Joint Board may conduct its own certification and audit at any time. TSP shall cooperate with and assist the Joint Board in any such audit. **Proposer Response:**		
OM-009	The Toll System Provider shall plan, implement and remove lane closures for toll equipment preventative or emergency maintenance. The Toll System Provider shall utilize the most current state traffic control plans and standards applicable to the Roadside System for the state where the lane closure will occur. The Toll System Provider shall request lane closures in writing and in accordance with the applicable state policy. Any preventative maintenance lane closures shall be requested in writing at least 14 calendar days in advance. Emergency lane closures shall be requested with 12 hours prior written notice. Notice of any immediate lane closures shall be communicated to the Joint Board representative via phone and email as soon as possible.	X	
	Note: The Proposer shall include in the Price Proposal a unit price for each of the traffic control configurations outlined in the TCS. The States' Parties will reimburse the Toll System Provider for each lane closure required during installation and during maintenance of traffic. **Proposer Response:**		
OM-010	The Toll System Provider shall log any lane closures including incidents reported by the Roadside System into MOMS. Any unusual circumstances shall also be noted in the incident report. If the information can be tracked and reported separately in MOMS, MOMS may be used to log incidents. A lane closure report shall identify who closed the lanes, start and end time of the closure, lane numbers closed and any comments or unusual events regarding the lane closure. If the lane closure was conducted by the Toll System Provider, a reason for the lane closure shall be included in the report. Any lane closures that occur within the Toll Zone area, defined as 1000 feet on either side of the Toll Zone, shall be reported to the States' Parties on a monthly basis.	X	
	Note: This information is required so that the States' Parties or their agents can confirm the TSP accurately reconciles and identifies anomalies in traffic or revenue with these special events, and to reconcile any Customer Statements sent by the Toll System Provider for reimbursement. **Proposer Response:**		

Performance Requirements

Req ID	Performance Requirements (Section PR)	Required	Value Add
	Roadside System		
PR-001	Roadside System shall be available 99.5% of the time.	X	
	Notes: Compliance with availability requirements will be separately calculated and applied to each Equipment Lane for a Toll Zone as provided in Exhibit N. Available lanes are those with all of their components properly functioning - available to collect revenue and sending all Traffic Transactions and images to the BOS, as more particularly defined in Exhibit N. This 99.5% availability requirement excludes approved maintenance closures. This requirement will be evaluated for compliance on a monthly basis. **Proposer Response:**		
PR-002	The Roadside System shall be fully capable of reading and processing a minimum of 1,200 images per camera per Equipment Lane per hour.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-003	The Toll System Provider shall be fully capable of processing all license plate numbers including stacked letters.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. . **Proposer Response:**		
PR-004			X
	[Intentionally not used].		
PR-005	The Roadside System shall process and create Traffic Transactions for a minimum of one vehicle per second per equipment lane for fifteen (15) seconds at each Toll Zone.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-006	For each vehicle passing through a Toll Zone with properly mounted Transponders in or on the Vehicle, the TCS shall accurately detect, report, and correlate with the correct vehicle all required Transponder information (i.e., date, time, Transponder numerical id) at an overall accuracy rate of 99.95%; if more than one Transponder is properly mounted in or on the Vehicle, the TCS shall report all such Transponders identified, but the requirements specified in this Section shall only apply to one Transponder's reads.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		

Req ID	Performance Requirements (Section PR)	Required	Value Add
PR-007	Each vehicle passing through a Toll Zone shall be detected and reported once and only once (no exception for lane equipment or network degradation).	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-008	Each vehicle passing through a Toll Zone shall have at least one image that includes the vehicle make, model and license plate number captured and correlated with the correct vehicle at an accuracy rate of 99.9%. All Images of a vehicle passing through a Toll Zone shall be human readable at an accuracy rate of 99%.	X	
	Note: The Proposer shall identify in this Technical Response Form the size (in feet for the length and height), and the number of images captured and made available to the BOS. This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-009	The Toll System Provider shall comply with the following times to respond to issues, deficiencies and problems and to repair equipment. These times are based on priority classification by event location and exclude provision of maintenance of traffic responsibilities (so long as such maintenance of traffic times are strictly within the time periods of this PR-009 section); These times apply 24 hours per day, 7 days per week: • Priority 1 –Four hours to respond • Priority 2 –72 hours to respond • Priority 3 –10 days to respond In all cases, setup of maintenance of traffic shall be no more than 1 hour upon approval, and demobilization of maintenance of traffic once repair is complete shall be no more than 1 hour.	X	
	The Priority Levels are defined as follows: Priority 1 is defined as – any failure that will result in loss of ability to collect or accurately collect revenue, including lane closures, safety hazard, or loss of traceability and loss of auditability in the TCS. Priority 2 is defined as – any failure of a System component that will result in a degradation of System performance or results in the loss of redundancy in a key System component, but does not qualify as a Priority 1 event. Priority 3 is defined as – minor failure of the equipment, network or Software or an indication that an event may occur that would result in a malfunction or degradation of the System. In order to ensure maintenance of traffic notification is measured in a timely manner, the Joint Board shall be copied on the notification to the maintenance of traffic provider. The Joint Board, in its sole discretion, shall determine the priority of an event (and any delay or failure by the Joint Board to identify the priority shall indicate that the event has a priority level of Priority 1). Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
	Back office System		
PR-010	The BOS, including the IVR and Customer Website shall be available 99.9% of the time (See Exhibit N to the Agreement for details regarding calculation of BOS availability.) The BOS shall provide all functional service at a 99.9% availability excluding approved routine or approved scheduled maintenance periods of up to 80 hours per year.	X	

Req ID	Performance Requirements (Section PR)	Required	Value Add
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-011	[Intentionally not used.]		
PR-012	Home and away agency Transponder status files shall be loaded and distributed to the TCS within 2 hours of receipt at least 99% of the time. If the Toll System Provider has written proof that the away Transponder status file was not sent by the away agency, failure to load and distribute a Transponder file for such away agency shall not be counted as a failure in the calculation.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-013	The BOS shall post 99.8% of Traffic Transactions, Financial Transactions, and Event Transactions completely and accurately to the TCS. Any exceptions shall be recorded with an "exception" transaction in the system with an appropriate exception code.	X	
	Note: This requirement will be evaluated for by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-014	The Toll System Provider shall review and accurately post to the appropriate account all Traffic Transactions in accordance with the approved Business Rules no later than 2 days after the vehicle passed through the Toll Zone, at an accuracy level of 99.5% or higher. All images embedded in any Correspondence shall include a color picture that clearly identifies the make, model, color and license plate of the vehicle.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-015	All required Financial Transactions shall be processed within one (1) business day of business day closure on the day they occurred. Financial Transactions shall include all payments (regardless of payment method). Weekend or holiday Transactions shall be processed no later than the following business day.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-016	All required financial exceptions shall be processed within one (1) business day of business day closure on the day they occurred. Financial exceptions are adjustments, reversals or refunds.	X	
	Note: This requirement will be evaluated for compliance by the Joint Board on a monthly basis. The timeframe for a disputed transaction for E-ZPass transactions outside of Toll System Provider's control will be determined during development of the approved Business Rules.		

Req ID	Performance Requirements (Section PR)	Required	Value Add
	Proposer Response:_		
PR-017	The Toll System Provider shall enter into the System all license plate and demographic information received from a DMV within one (1) day of data receipt.	X	
	Note: This requirement will be evaluated for compliance by the Joint Board on a monthly basis. **Proposer Response:**		
	Customer Center		
PR-018	The average call wait time shall not exceed a monthly average of 2 minutes during Startup Operations and shall not exceed a monthly average of 60 seconds during Steady State Operations as reported on the phone system reports. The average call wait time is measured based on all calls received during a monthly period.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-019	All calls shall be handled in a professional and courteous manner all of the time. The Toll System Provider shall monitor at least 2% of all calls, measured monthly commencing with Pre-Toll Operations. For calls monitored the TSP shall have a regular quality control process and results shall be reported in the Monthly Operations and Maintenance Report.	X	
	Note: This requirement will be evaluated for compliance by the Joint Board on a monthly basis. **Proposer Response:**		
PR-020	Best efforts shall be made to resolve escalated calls related to TCS services and policies while the customer is on the telephone without need for a call-back. Escalations that require involvement of an external agency are not included for purposes of calculating compliance with this requirement. TSP shall open a service request for all escalations that cannot be addressed while the customer is on the phone, and shall track the service request through the reporting system.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-021	The TSP shall not escalate more than 5% of the total calls received by the CSC outside of the CSC.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-022	The CSC shall resolve a minimum of 65% of calls during Startup Operations and 80% of the calls during Steady State Operations regarding ETC transactions, video transactions, Violations, products, services and policies accurately on the first contact made by the customer.	X	

Req ID	Performance Requirements (Section PR)	Required	Value Add
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. The resolution of the call shall mean that the customer's questions were answered in way such that the customer does not have to call back for the same issue or information was provided in response to the customer inquiry in way such that the customer does not have to call back for the same issue. **Proposer Response:**		
PR-023	All call monitoring shall be part of the regular QC process and reported in the Monthly Operations and Maintenance Report. The TSP shall cooperate with and assist the Joint Board in conducting random monitoring and recording the results.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance with this requirement on a monthly basis. **Proposer Response:**		
PR-024	Customer Correspondence shall be stamped as received the business day it is received. Correspondence received on non-business days shall be stamped as received on the first business day after the non-business day.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-025	All new customer account applications shall be processed and recorded within the System within two (2) business days of receipt of the completed application.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-026	All payment types (check cash or credit card) shall be processed for payment by the System within one business day.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-027	100% of all correspondence types other than payments shall be processed and recorded in the System within three (3) business days.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-028	All money paid to the CSC shall be credited into the designated bank accounts provided by the Joint Board. All customer payments shall be deposited within 24 hours of when they are received; if such day is a weekend or holiday day on which the relevant bank is closed, the deposit shall be made by the next Day on which the relevant bank is open for business.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		

Req ID	Performance Requirements (Section PR)	Required	Value Add
PR-029	The CSC availability shall meet the following minimum requirements. Self Service – 24 hours x 7 days per week For Startup Operations: Customer Service Representative and Walk Up Center - Monday-Friday 7 am-7pm Saturday 8am-2pm, Eastern Standard Time, excluding approved holidays. For Steady State Operations: Customer Service Representative and Walk Up Center - Monday-Friday 8 am-6pm, Eastern Standard Time, excluding approved holidays. Holidays on which the CSC may be closed include New Year's Day, Memorial Day, the 4th of July, Labor Day, Thanksgiving Day, Christmas Day and other holidays mutually agreed to by the Toll System Provider and the Joint Board. The Toll System Provider shall work with the Joint Board to jointly develop the Holiday schedule for each Contract year.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-030	The Toll System Provider shall notify the Joint Board of all planned outages at least one week in advance. The Toll System Provider shall notify the Joint Board within 2 hours of a known unplanned outage with notice of the planned up time.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-031	99.99% of Transponder orders placed in person shall be filled within the same business day. All Transponder orders placed in person not filled in the same business day in which the order was placed shall be filled before the end of the next business day. 90% of Transponder orders not placed in person shall be filled before the end of the day after the day in which the order was placed. All Transponder orders not filled before the end of the day after the day in which the order was placed shall be filled before the end of the second business day after the day in which the order was placed. In person orders are those placed at a WUC or at a retail provider. An order is filled when it is either handed to the customer or mailed to the customer at the best address available to the TSP as indicated in the Business Rules.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-032	The Toll System Provider staff shall be scheduled according to expected call arrivals in order to comply with the requirement that a minimum of 80% of calls be answered by a live representative within 30 seconds, calculated by dividing the number of calls answered by a live representative within 30 seconds by total number of calls received by the IVR.	X	
	Note: This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		
PR-033	It is desired that the IVR answer in one ring cycle for inbound calls and customers enter the IVR tree to be presented self-service options or allowed to speak with a customer service representative during business hours.		X
	Note: If Proposer indicates it will provide this functionality, this requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**		

Req ID	Performance Requirements (Section PR)	Required	Value Add
PR-034	[Intentionally not used.]	X	
	Proposer Response:		
PR-035	[Intentionally not used.]		
PR-036	The CCTV system shall be available no less than 99% of the time.		
	Note: Availability is defined as access to the CCTV system by remote users and the ability to use and view video in near- real-time for TCS operations. Near-real-time is defined for this requirement as the video being displayed within 2 seconds of the user requesting a camera view. This requirement will be evaluated by the Joint Board for compliance on a monthly basis. **Proposer Response:**	X	

Financial Requirements

Req ID	Financial Requirements (Section FR)	Required	Value Add
FR-01	All elements of the TCS shall be subject to audit of Financial Transactions, Traffic Transactions and Event Transactions.	X	
	Note: The Revenue Control Manager, external auditors or other entities will audit and require Transaction reconciliation of the TCS from the Roadside System through the BOS. **Proposer Response:**		
FR-02	The Toll System Provider shall provide a TCS that meets US GAAP policy and procedures and is subject to US GAAP audits and compliance on a regular basis. All elements of the TCS shall be subject to audit of Financial Transactions, Traffic Transactions, and Event Transactions.	X	
	Proposer Response:		
FR-03	The Toll System Provider shall coordinate with the Revenue Control Manager and Custodian. The Toll System Provider shall be a party to the Custody and Revenue Control Agreement, substantially in the Form of Exhibit O to the Agreement, once finalized prior to Revenue Service.	X	
	Note: The Joint Board anticipates that Transaction reconciliation will be performed, and top level secure financial accounts will be established and managed, substantially as outlined in Attachment C-3. The Joint Board has contracted with a Revenue Control Manager that will be responsible for the confirmation and certification of reconciled funds received from the Toll System Provider. A Custodian established pursuant to the Custody and Revenue Control Agreement will serve as the trustee's representative to distribute revenues into the States' Parties' accounts. **Proposer Response:**		
FR-04	The Toll System Provider shall adhere to the Flow of Funds diagram in Attachment C-3 in handling all Funds.	X	
	Proposer Response:		
FR-05	The Toll System Provider shall reconcile Financial Transactions transmitted to Custodian Accounts on a daily basis. All revenues and funds shall be swept on a daily basis to the Custodian to ensure that all revenues are deposited in a secure account and reconciled prior to the distribution to the States' Parties' accounts.	X	
	Note: The Proposer shall describe in this Technical Response Form how the TCS handles movement of funds and reconciliation of Transactions in the System. **Proposer Response:**		
FR-06	The Toll System Provider shall interface the TCS with a commercial accounting system provided by the Revenue Control Manager.	X	
	Note: The accounting system will be determined at a later date, currently anticipated to be available by June 1st, 2015. **Proposer Response:**		
FR-07	The Toll System Provider shall update the accounting system with current financial elements of the System (debits/credits) no less frequent than every 24 hours.	X	
	Proposer Response:		
FR-08	The TCS shall track interoperable Financial Transactions by interoperable agency.	X	

Req ID	Financial Requirements (Section FR)	Required	Value Add
	Proposer Response:		
FR-09	The Toll System Provider shall map financial (cash management and custodial) accounts established by the Joint Board to multiple Financial Transaction codes (e.g. tolls, fees, credit payments, adjustments and reversals) and such accounts and codes shall be traceable in the TCS to demonstrate that the financial accounting system (provided by others) reconciles with the TCS.	X	
	Proposer Response:		
FR-010	The Toll System Provider shall make customer refunds within 24 hours of confirmation that a refund is owed, and shall make payments to interoperable agencies and transfer funds received for deposit into Joint Board accounts, in accordance with the approved Business Rules.	X	
	Proposer Response:		
FR-011	The Toll System Provider shall track receipt and disbursal of payments in the TCS by payment type and source, including but not limited to: by interoperable agency, by payment type (credit card, cash, check), by refunds or adjustments, and by tolls or fees such as invoice fees, administrative fees or penalties.	X	
	Proposer Response:		
FR-012	Overpayments or underpayments shall be applied to an account, and records of the overpayments and underpayments to an account shall be readily available for review in reports generated by the TCS. Unapplied balances shall be transferrable to the customer account Customer Statements where applicable. An unapplied balance report shall be available on a daily, weekly and monthly basis.	X	
	Proposer Response:		
FR-013	The Toll System Provider shall provide exceptions management system functionality and an exceptions operation process for payment. For example, the TCS shall have an operational procedure so that if payments without an account remittance slip are received by the lockbox, the operator is able to research and locate the account holder in the system, and apply the unallocated funds to a credit on a customer account. The TCS shall include a coding mechanism in the ERS that provides sufficient reporting to track any exceptions.	X	
	Proposer Response:		
FR-014	Updates to Financial Transactions shall never modify existing Transactions. All Financial Transactions shall be appended to the original record when fees, fines, or tolls are partially or wholly discounted or escalated manually by an operator of the System. A list of all Financial Transactions (including codes) shall be provided in the System Documentation and logged with the associated Traffic Transactions in the TCS.	X	
	Proposer Response:		
FR-015	It is desired that the Toll System Provider provide manual processes to associate unspecified funds (i.e. a check without payment coupon or correct account information) to the proper customer account and apply these funds to the proper account.		X

Req ID	Financial Requirements (Section FR)	Required	Value Add
	Note: The Proposer shall describe in this Technical Response Form the complete process including manual efforts required to locate the proper account and apply the funds to that account. **Proposer Response:**		
FR-016	The Toll System Provider shall safeguard cash deposits and shall provide any necessary or advisable armored car services and other means to secure all cash that is in Toll System Provider's custody or control.	X	
	Proposer Response:		
FR-017	All money paid to the CSC shall be credited into the Custodian Accounts. All customer payments shall be recorded in the TCS within 24 hours of when they are received by the Toll System Provider.	X	
	Proposer Response:		
FR-018	The Toll System Provider shall process refund requests from customers. Credit card or debit card-based toll accounts shall be refunded to the same card. Cash toll accounts shall be refunded with a check mailed to the address of record on the account.	X	
	Note: The Proposer shall outline in this Technical Response Form its existing refund process including escalation processes for unresolved refund requests and authorization levels. **Proposer Response:**		
FR-019	The Toll System Provider shall provide reports used for accounting and reconciliation of financial data. The reports must address the following functions at a minimum: 1. Cash and all other payments collected at the CSC storefronts and other retail outlets under contract, 2. Account deposits, shortages and overages, 3. Adjustments, 4. Daily reconciliations, customer accounts balances, CSC and VPS activities, tolls collected and tolls posted, images received versus video images processed, 5. Recommended fund transfers, deposits and withdrawals, 6. By CSC for each shift, number of Transaction types, deposits by payment type, cash deposits, low, high and average value, 7. Aggregate account balance activity including beginning-of-day and end-of-day balances, all tolls and fees, and replenishments, and 8. Interoperable account activities for home and away Transactions for Traffic Transactions reconciliation and settlement. Additional financial related reports may be submitted for evaluation.	X	
	Proposer Response:		
FR-020	The Toll System Provider shall interface to an accounting system (provided by the Revenue Control Manager) to support reporting of the cash flow and all resources.	X	
	Note: The Toll System Provider shall submit in this Technical Response Form a summary of data that can be provided by the TCS in a system to system interface (e.g. FTP site) daily to support a financial management system. While the TCS and Accounting System will transmit data, there will be no system to system integration between the accounting system (provided by others) and the TCS, except the file transfer of reconciled data shall be automated in the System. **Proposer Response:**		
FR-021	The TCS shall provide for a methodology to batch process refund checks to the third party accounting system or Custodian who disburses revenue.	X	

Req ID	Financial Requirements (Section FR)	Required	Value Add
	Proposer Response:		
FR-022	The Toll System Provider shall provide an interface to the accounting system.	X	
	Note: The Proposer shall provide in this Technical Response Form a list of configurable financial accounting codes that track debits, credits and adjustments and reversals to all payments received in the System, including but not limited to credit cards by type, lockbox, check, and any other payments received in the System. **Proposer Response:**		
FR-023	The Toll System Provider shall have financial codes for Traffic Transactions and Financial Transactions that will be transmitted to an external accounting system that separates administrative fees, fines and discounts from the tolls so they can be accounted for separately during reconciliation. All financial codes and associated Transactions shall meet all system availability and data retention requirements.	X	
	Proposer Response:		
FR-024	The Toll System Provider shall provide double entry recording for all Financial Transactions in the System.	X	
	Proposer Response:		
FR-025	The Toll System Provider shall provide reports that provide the existing debits and credits no less than every 24 hours. All reports shall be automated for delivery and shall be reconciled against the data transmitted to the commercial accounting system (e.g. general ledger) provided by others.	X	
	Proposer Response:		
FR-026	The TCS shall provide an audit trail for all Traffic Transactions and Financial Transactions that shows all changes made in the system with respect to the relevant Traffic Transaction and Financial Transactions, including what was changed and by whom (system or non-system user) including a reason for the change if applicable.	X	
	Proposer Response:		
FR-027	Every payment (receivable) in the TCS shall be traceable to payment method, payment type and source of payment.	X	
	Proposer Response:		
FR-028	The TCS shall provide self-balancing, double entry accounting consistent with GAAP.	X	
	Proposer Response:		
FR-029	The Toll System Provider shall provide functionality to support home or away interoperable Traffic Transactions processed by the Roadside System. The TCS shall process all types of Traffic Transactions including but not limited to ETC, Unregistered Video, and registered video Traffic Transactions.	X	
	Proposer Response:		

Req ID	Financial Requirements (Section FR)	Required	Value Add
FR-030	The TCS shall provide adjustments and reversals to support refund processing to accounts for the disbursement of money to customers, States' Parties, interoperable agencies, and external service providers, including but not limited to the lockbox provider, collection agency and credit card payment processers.	X	
	Proposer Response:		
FR-031	The Toll System Provider shall issue refund checks for overpayments of prepaid ETC Accounts or Registered Video Accounts that are closed or inactive (after a configurable time period) to customers. The TCS shall automatically change an account status to closed or inactive when there has been no activity for a configurable (from 0 to 999 days) number of days.	X	
	Proposer Response:		
FR-032	The Toll System Provider shall describe how unclaimed property is handled within the System for in-active accounts with one (1) year or more of no activity. The inactivity period shall be configurable.	X	
	Proposer Response:		
FR-033	All funds received from all payment sources external to the TCS shall be provided to the Joint Board on a gross basis unless an approved external vendor does not support gross payment remittance. If an external vendor(s) does not support gross payment remittance, the Toll System Provider shall provide a separate transaction record that clearly itemizes gross revenue and all deductions therefrom made by the external vendor(s).	X	
	Note: The Proposer shall describe all such instances and the associated fees, which shall be on an actual cost basis only. **Proposer Response**:		

Access Control and CCTV Requirements

Req ID	Access Control and CCTV Requirements (Section AC)	Required	Value Add
	Access Control Requirements		
AC-001	The Toll System Provider shall provide an access control system for all the Roadside System cabinets provided by the Toll System Provider. The access control system shall be a card system that provides restricted access for the Toll System Provider staff. The Joint Board staff shall be provided 10 cards for access, but Toll System Provider is anticipated to be the only entity that will access the Roadside System cabinets.	X	
	Proposer Response:		
AC-002	The Toll System Provider shall provide setup, install and configure a CCTV pan title zoom camera and all data communications to monitor the equipment cabinets. The Toll System Provider shall trigger CCTV events for recording and pre-sets to position camera at the point of alarm.	X	
	Proposer Response:		
AC-003	The Toll System Provider shall track data and provide reports showing entry and exit times for facilities, secure areas, toll equipment and other devices requiring secure access. If a door is not closed within a preset time (configurable) an alarm shall be generated by the access control system.	X	
	Proposer Response:		
AC-004	The Toll System Provider shall provide an Access Control System with the capability for authorized users to manage user roles, including but not limited to: create new roles, assign and un-assign users to roles, adjust roles, deactivate roles; and, in general, control all rights within the System through the assignment of user roles.	X	
	Proposer Response:		
AC-005	The Toll System Provider shall utilize an existing Access Control System for the CSC with additional staff or roles added for the Project. The Toll System Provider shall have an Access Control System for the Walk-up Centers that provides for key or access card access to the Walk-up Centers. The Toll System Provider shall make available Access Control System audit reports on-demand, including but not limited to: 1) logged activity by activity type; 2) logged activity by user accounts; and 3) logged activity by user.	X	
	Proposer Response:		
	CCTV		
AC-006	The CCTV roadway cameras shall be used for observation, to audit traffic as it passes the Roadside System, and to monitor Toll Zones and toll equipment sites for security purposes.	X	
	Proposer Response:		

Req ID	Access Control and CCTV Requirements (Section AC)	Required	Value Add
AC-007	CCTV video shall have the following Transaction data correlated to the video: 1) The live feed of the CCTV roadway camera shall be available to the CSC; 2) The Transactions shall be indexed to the roadway overview camera for auditing; and 3) The CCTV roadway overview cameras and recordings shall require separate identification and password authentication requirements from those of the CCTV site security cameras and recordings.	X	
	Proposer Response:		
AC-008	It is desired for the live feed of the CCTV roadway camera to be available to the Walk-up Centers.		X
	Proposer Response:		
AC-009	The CCTV cameras shall have Pan-Tilt-Zoom control for observation of each Toll Zone. The CCTV cameras shall be mounted in such locations that the full Toll Zone and toll equipment is visible by the CCTV camera. The CCTV cameras for roadway overview and site security shall record to a digital video recorder for motion video storage. The CCTV cameras shall record periods of inactivity at lower frame rates or resolution than the normal settings, and shall have a viewable image on a 24 hour per day, 7 day per week basis. The CCTV camera shall provide a continuous capture of the tuned field of view.	X	
	Proposer Response:		
AC-010	The CCTV cameras provided by the Toll System Provider shall be color digital cameras supporting a minimum resolution of 540 vertical lines. The CCTV camera shall be a proven commercial product with a second source that can be expanded or updated, in a modular fashion, over time, applicable to both Hardware and Software without modification to any portion of the TCS. The CCTV camera shall provide clear video in both normal day and night conditions, and adjust for poor light conditions.	X	
	Proposer Response:		
AC-011	CCTV cameras and all of the associated electronic equipment shall be housed in a weatherproof NEMA rated enclosure and be protected against vandalism and mounted out of physical reach.	X	
	Proposer Response:		
AC-012	The CCTV camera and associated digital video recorder (DVR) shall include an administrative application at the toll facility host which shall enable authorized managers to determine access authorizations and CCTV settings. The CCTV system shall configure the CCTV network recordings, data, all other network settings, and events based on motion detection in the field of view or other event triggering, for a configurable number of seconds before and after the event, and shall allow playback, such that configurable specific fields of data are only visible by specific categories of users.	X	
	Proposer Response:		
AC-013	The CCTV camera DVR and associated Hardware shall be time synchronized with the TCS and CCTV cameras, and applications shall remain in operation and continue recording when the communications fail, such as a failure of any Roadside System equipment.	X	
	Proposer Response:		

Req ID	Access Control and CCTV Requirements (Section AC)	Required	Value Add
AC-014	CCTV Cameras shall detect movement for specific zones near cabinets or building doors. CCTV cameras have the capability to be aimed in any of 360 degrees of direction and 180 degrees of tilt, with a zoom capability of ten times.	X	
	Proposer Response:		
AC-015	The Toll System Provider shall provide a digital video recorder to record the CCTV camera video. Authorized users shall access and query the DVR to search video by date, time and location.	X	
	Proposer Response:		
AC-016	The DVR shall be configurable to provide a range of recording frames per second and shall be write-protected to prevent anyone from altering the recording. All video recordings shall be accessed within two (2) seconds of a request to review the video and the DVR shall store sixty (60) days of recording on the DVR and be configurable between one (1) and sixty (60) days.	X	
	Proposer Response:		
AC-017	Authorized users on the TCS network shall be able to access, open and display cameras on a personal computer through a DVR application provided by the Toll System Provider. The Toll System Provider shall provide VPN access for users to remotely access the TCS network. The authorized user shall access the DVR through the network to play back previously recorded video with selected lane activity data for review.	X	
	Note: It is expected that the Toll Operations Center staff and the Joint Board will be the primary users of these videos. **Proposer Response:**		
AC-018	The DVR shall enable an authorized user to copy, save, and print segments of recorded data as images or full-motion video and to crop and alter those copies if necessary without altering the original. The DVR recordings shall all be in one industry standard open format for recording and displaying live streaming video and full-file downloads. The DVR shall automatically purge CCTV data not marked for archive after a configurable period of time, with the default set at 60 calendar days. The DVR shall provide the ability to automatically archive alarm events and other designated critical events regardless of purge cycle.	X	
	Proposer Response:		
AC-019	Toll System Provider shall provide CCTV and DVR report(s) that include but are not limited to the following information: 1) user access to the CCTV camera system including date and time stamp and camera name; 2) firmware version and date, and 3) camera and DVR configuration. It is expected that these reports are commercially available from these devices.	X	
	Proposer Response:		
AC-020	It is desired that the CCTV system utilize the latest applicable version of NTCIP 1205 - Object Definitions for Closed Circuit Television (CCTV) Camera Control.		X
	Proposer Response:		

Req ID	Access Control and CCTV Requirements (Section AC)	Required	Value Add
AC-021	The Toll System Provider shall provide CCTV maintenance to satisfy Mean Time Between Failures(MTBF) – of 10,000 hours based on continuous operations of 24 hours a day 7 days a week usage.	X	
	Proposer Response:		
AC-022	The CCTV system shall be sized such that a minimum of ten (10) concurrent users may use the system without degradation of the system.	X	
	Proposer Response:		

TCS Workflows

Req ID	Work Flows (Section WF) All responses to items WF-001 through WF-016 shall describe both Proposer's existing work flows and required development work to meet the Technical Requirements for this Project.	Required	Value Add
WF-001	**Transaction Creation and Processes** The Toll System Provider shall provide System functionality to process Transactions that are created at the Roadside System and sent to a BOS.	X	
	Note: The Proposer shall describe in this Technical Response Form all data available in the System, and specify configurable data available in the System. The system and operations work flows shall also demonstrate traceability of Traffic Transactions and Financial Transactions within the System from the Roadside System into the BOS. Proposer shall describe in this Technical Response Form the toll rating design within this workflow. If the toll rating is conducted outside of this work flow, Proposer shall state where the rating is done in the TCS. The Proposer shall describe in this section of the Technical Response Form the toll rating functions and configurability of the toll rating functions regardless of where it resides in the TCS architecture. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-002	**Transaction payment processing and settlement** The Toll System Provider shall provide system functionality and operations processes to process Transaction payments and settlements on all account types.	X	
	Note: Transactions are paid from the account and settled with home or away agencies as paid, closed or escalated for further notice of payment required. The Proposer shall describe in this Technical Response Form the transaction payment process and settlement work flow, and shall include in such description how partial payments are handled and how exceptions for unpaid or failures to process in the System are identified and resolved for a Transaction. The Proposer shall provide in this Technical Response Form a list of exceptions of payment processing and posting. Examples include a bad credit card on file or how an insufficient payment would escalate to the Violation process. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-003	**Account management system functions (open, close, update accounts)** The TCS shall provide account management system functions and operational processes for Traffic Transactions received from the Roadside System and sent to an account for payment.	X	
	Note: The Proposer shall provide operations and system workflows in this Technical Response Form that describe how accounts are created, updated and maintained in the System. The Proposer shall provide in this Technical Response Form a list of all account types and their functions available in the System including but not limited to ETC Accounts, Registered Video Accounts and Unregistered Video accounts. The Proposer shall also provide in this Technical Response Form a list of configurable fields and functions that can be used by the system operator or customer in interacting with accounts. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-004	**Customer service representative customer interactions** The TCS shall provide functional customer interfaces that include updates to the account, maintenance of the account or handling of special cases such as habitual violators or other special circumstances.	X	

Req ID	Work Flows (Section WF) All responses to items WF-001 through WF-016 shall describe both Proposer's existing work flows and required development work to meet the Technical Requirements for this Project.	Required	Value Add
	Note: The Proposer shall provide in this Technical Response Form system and operations work flows that illustrate how the customer service representatives interact with the System. This includes but is not limited to account opening, updates of demographic or payment information, escalation of unresolved issues and dealing with an irate customer. The Proposer shall provide in this Technical Response Form a list of existing work flows on how case management is handled within the TCS. Case Management shall include but not be limited to how unresolved customer contacts are escalated until resolved. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-005	**Image Review** The TCS shall provide System functionality and operations processes to process images in Traffic Transactions and post the Transaction to the BOS prior to the issuing of Customer Statements.	X	
	Note: The Proposer shall provide in this Technical Response Form system and operations work flows for the review, identification and disposition of license plate numbers and state jurisdictions including establishment of thresholds for automatic OCR confidence levels, double blind reviews, presentation of the image to the reviewer, aids to complete the correct license plate and jurisdiction to the operator and any other operations quality assurance tools that can aid the operator with identifying and coding the correct image for post processing. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-006	**Invoice generation and escalation** The TCS shall provide system functions and operations processes for Registered or Unregistered Video accounts. The TCS shall send individual Transactions on an invoice or bundle Transactions into an invoice.	X	
	Note: The Proposer shall provide in this Technical Response Form work flows for invoice escalation leading into the Violation processes including how invoice and Violation documents are generated, printed and mailed to customers and Violators. The Proposer shall provide with this Technical Response Form sample Customer Statements for the Project including any fees (administrative or invoice fees and Violation fines). The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-007	**Violations processing (post-paid no payment)** The TCS shall provide system functionality and operations processes for Customer Statements after unsuccessful collection through the invoice notices for video account customers or now invalid ETC Account customers.	X	
	Note: The Proposer shall provide in this Technical Response Form system and operational work flows for Violation creation, escalation and advancement through initial and final notices including collections, escalation to an administrative hearing process or traffic court process. The Proposer is responsible for the evidentiary package for administrative hearing process and court on the LSIORB Project. The Proposer shall describe all operational and system configurable parameters that can be modified in the system in this Technical Response Form. The Proposer shall also describe in this Technical Response Form available triggers that escalate a Violation in each stage, such as automatic timers and those levels which have manual override or require a manual escalation to the next stage in the Violation.		

Req ID	Work Flows (Section WF) All responses to items WF-001 through WF-016 shall describe both Proposer's existing work flows and required development work to meet the Technical Requirements for this Project.	Required	Value Add
	The Proposer shall also describe in this Technical Response Form how Violations escalate for payments below or above partial payment thresholds. The Proposer shall also describe in this Technical Response Form any quality assurance measures that are taken to confirm the Customer Statement prior to being issued to the customer. **Proposer Response:**		
WF-008	**Incoming payments at the Walk-up Center – Credit, Check, Cash** The TCS shall provide system functionality and operational processes to accept credit cards, checks, and cash at the Walk-up Centers.	X	
	Note: The Proposer shall provide in this Technical Response Form work flows for other functions offered at the Walk-up Centers with the Toll System Provider's system. The Proposer shall provide in this Technical Response Form a list of typical exceptions and how the exceptions are resolved operationally or through the system. Examples of exceptions in the context of this requirement are declined credit cards, verification of the identity of the credit card (if applicable), check validation processes or other ways to verify the payment authenticity. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-009	**Payment Processing (including lockbox, reversals, payment plans, refunds or mitigated deals)** The TCS shall provide system functionality and operational processes to accept, process and settle lockbox payments, issue refunds, reverse Transactions and fees and perform mitigated deals for a customer on all account types.	X	
	Note: The Proposer shall provide in this Technical Response Form a list of existing work flows with regards to how lockbox payments are posted to the system, how the system or users of the system can issue refunds, reverse Transactions and fees and tolls on an account and how mitigated deals can be made for payment for a customer for all account types. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-010	**Collection agency and court interfaces** The TCS shall provide system functions and operational processes for use of internal collections process or external collection agency and court processes after failure to collect funds from invoice, Violation, and collection notice process.	X	
	Note: The Proposer shall provide in this Technical Response Form a list of existing work flows that describe the human to system and system to system interfaces for the implementation of multiple collection agencies, and multiple court or self-imposed adjudication processes. The Proposer shall identify in this Technical Response Form the number of different collection agencies and court jurisdictions that can be interfaced with the System. The Proposer shall also describe in this Technical Response Form the nature of the interfaces with the court systems including the number of evidence package capabilities, tracking capabilities and capabilities to collect data from external systems for reporting into the TCS. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		

Req ID	Work Flows (Section WF) All responses to items WF-001 through WF-016 shall describe both Proposer's existing work flows and required development work to meet the Technical Requirements for this Project.	Required	Value Add
WF-011	**Customer self-service payments including cash replenishments** The TCS shall provide system functionality and operational processes for self-service channels such as an IVR system, Customer Website, and mobile payments or other means to provide a low cost and convenient method for receiving and processing customer payments.	X	
	Note: The Proposer shall provide a list of work flows for all self-service account functions on the Customer Website and IVR including but not limited to how to open an account, add funds to an account, add, update, and delete a payment method, and dispute tolls. The Proposer shall describe any other self-service functions available in the TCS. The Proposer shall also provide a list of all workflows for cash replenishments including the media used for the cash based solution (i.e. reloadable card, account number only, self-service kiosk or cashier). The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-012	**Financial Reconciliation within TCS and with external accounting system** The TCS shall provide system functionality and operational processes to process Financial Transactions that account for all payments made from the customer to the TCS, external agencies and/or customer interfaces (such as kiosks or retail outlet) or money received from other agencies for Project account holders.	X	
	Note: An accounting system (e.g. general ledger) will be provided by others. The Proposer shall interface with the third-party-provided accounting system and reconcile all Financial Transactions and Traffic Transactions collected and processed by the TCS. The Proposer shall provide in this Technical Response Form workflows on how its TCS reconciles financial data with an external accounting system. The Toll System Provider shall also provide in this Technical Response Form a list of all accounting codes available and typically sent to the accounting system and shall provide the ability to track debits, credits, reversals and adjustments. The Proposer shall describe in this Technical Response Form the frequency of the data transferred to external systems and typical audit processes and frequency of the audits. The Proposer shall describe in this Technical Response Form all operational configurable parameters and System configurable parameters that impact operations. **Proposer Response:**		
WF-013	**TCS incident management** The TCS shall provide System functionality and operations processes to create, manage, and dispose of incidents within the TCS (e.g. Roadside System, BOS and TOC).	X	
	Note: These work flows shall address how priority levels are established in the System, how work tickets are created and how dispatchers will be notified, take action and resolve the incident. This is classically the incident management component of a Maintenance Online Management System (MOMS) and shall include the functions of the Toll Operations Center responsible for managing these incidents. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-014	**TCS monitoring** The Toll System Provider shall provide system functionality and operations processes that provide Hardware, Software and System alarm generation, priority levels assignments and final disposition.	X	

Req ID	Work Flows (Section WF) All responses to items WF-001 through WF-016 shall describe both Proposer's existing work flows and required development work to meet the Technical Requirements for this Project.	Required	Value Add
	Note: The Proposer shall include in this Technical Response Form a list of all alarms, whether it is Hardware, Software or System and what triggers the alarm. For example, if the alarm is triggered more than 5 times in 3 minutes, the frequency for a time period shall be provided with the alarm message description. This is typically the System monitoring component of a Maintenance Online Management System (MOMS) and shall include the functions of the Toll Operations Center responsible for managing these incidents. The Proposer shall describe in this Technical Response Form all operational configurable parameters and system configurable parameters that impact operations. **Proposer Response:**		
WF-015	**TCS inter-agency Transaction processing and settlement** The TCS shall provide system functionality and operations processes to interact with other agencies to process, settle and reconcile interoperable Transactions.	X	
	Note: The Proposer shall also describe in this Technical Response Form how the TCS is able to audit all transactions processed by other agencies to be settled on home accounts and how Traffic Transactions within the System are processed for "away customers" who hold an account with another system. The Proposer shall describe in this Technical Response Form all operational configurable parameters and System configurable parameters that impact operations. **Proposer Response:**		
WF-016	**TCS configuration management** The TCS shall provide system functionality and operations processes to provide configuration management of the Hardware and Software in the TCS.	X	
	Note: The Proposer shall describe in this Technical Response Form all work flows and its configuration management system to ensure that all systems provide traceability and a clear audit trail of the approved configuration for the operational system. The configuration shall include all operational parameters, system level parameters, Hardware and Software. The Proposer shall describe in this Technical Response Form how changes are made through its configuration control board and how the client (i.e. Joint Board) participates in this configuration control process. The Proposer shall also describe in this Technical Response Form workflows for patch management as well as release management for software patches. The Proposer shall describe in this Technical Response Form all operational configurable parameters and System configurable parameters that impact operations. **Proposer Response:**		

Plans and Testing

Req ID	Plans and Testing (Section TP)	Required	Value Add
TP-001	**Roadside System and Network System Plan** The Toll System Provider shall provide a Joint Board-approved Roadside System and Network System Plan including but not limited to how the System is designed, installed, configured and commissioned **no later than 90 days after NTP.** The Roadside System and Network System Plan are comprised of two components, the roadside system plan documentation and the network system plan documentation. Each component of the Roadside System and Network System Plan shall include operations and maintenance manuals, System architecture documents and diagrams, installation manuals and all external and internal Interface Control Documents. The Toll System Provider shall also provide a copy of the Software licenses and Hardware cut sheets.	X	
	Proposer Response:		
TP-002	**Back office System Plan** The Toll System Provider shall provide a Joint Board-approved Back Office System Plan, which shall include but not be limited to how the System is designed and configured, **no later than 90 days after NTP**. The Back Office System Plan shall include operations and maintenance manuals for all users of the System, System architecture documents and diagrams, installation manuals and all external and internal Interface Control Documents.	X	
	Proposer Response:		
TP-003	**TOC System Plan** The Toll System Provider shall provide a Joint Board-approved TOC System Plan and documentation **no later than 90 days after NTP.** The Toll System Provider shall provide Toll Operations Center System Documentation for the monitoring of the TCS. The TOC System Plan shall include all the System monitoring plans and procedures, monitoring alarms, priorities and how issues are identified, tracked and resolved. The Toll System Provider shall provide any existing manuals for incident response externally and internally, levels of escalation for incidents and tracking methodologies for incidents and their resolution.	X	
	Proposer Response:		
TP-004	**Roadside System and Network Installation Plan** The Toll System Provider shall provide a Joint Board-approved Roadside System and Network Installation Plan **no later than 180 days after NTP.** The Roadside System and Network Installation Plan shall describe the TCS installation approach, configuration parameters, schedule, methodology, proposed maintenance of traffic, and required resources (including those of the Joint Board, if applicable).	X	
	Proposer Response:		
TP-005	**BOS Installation Plan** The Toll System Provider shall provide a Joint Board-approved BOS Installation Plan **no later than 180 days after NTP**. The BOS Installation Plan shall describe the installation approach, proposed installation schedule, configuration parameters schedule, methodology and required contract resources and Joint Board (if applicable) resources in the plan.	X	
	Proposer Response:		

Req ID	Plans and Testing (Section TP)	Required	Value Add
TP-006	**TCS As-Built System Documentation** The Toll System Provider shall provide Joint Board-approved As-Built System Documentation for the deployed System at the Project **no later than 30 days after the successful completion of the System Acceptance Test** with any updates made since the first submission addressed in the second submission. As-Built System Documentation shall be provided in native format as well as PDF document format. The As-Built System Documentation shall include all Business Rules, Hardware cut sheets and design, Software configuration and code (where applicable) as well as installation drawings, schematics and other diagrams that describe the physical, logical, business and operational configuration of the System.	X	
	Proposer Response:		
TP-007	**Training Plan** The Toll System Provider shall provide a Joint Board-approved Training Plan **no later than 180 days after NTP**. The Training Plan shall provide a list of all training courses planned to be delivered to new and existing staff on the Project. The Training Plan shall also describe training facilities, typical training equipment, proposed training for local staff, and provide course outlines for the training program. A list of all user manuals shall be described in the Training Plan as well. The Training Plan shall describe where the Joint Board staff will be trained throughout the Contract Term. The Joint Board and/or its representatives shall be invited to observe and participate in all elements of the training. The Training Plan shall also include a list and description of all user roles and access rights for the TCS. This list shall include all users of the TCS including Joint Board Designated Representatives.	X	
	Proposer Response:		
TP-008	**TCS Project Management Plan** The Toll System Provider shall submit a Joint Board-approved TCS Project Management Plan for the installation and delivery phase of the Project and update the TCS Project Management Plan for the operations and maintenance phase of the project **no later than 90 days after NTP**. The TCS Project Management Plan shall adhere to the Toll System Provider's project management methodology to deliver the Project, but shall include a roles and responsibilities matrix that clearly identifies roles and responsibilities within the Toll System Provider's organization and any interfaces to the Toll System Provider, including but not limited to the Joint Board, ETC Vendor, Developer and DBT. The TCS Project Management Plan shall also address resources, schedule, communications and delivery of the Work.	X	
	Proposer Response:		
TP-009	**Safety Plan** The Toll System Provider and each Major Subcontractor shall submit a Joint Board-approved Safety Plan **no later than 90 days after NTP**. The Safety Plan shall address how the Toll System Provider shall conduct its work using safe methods. The Safety Plan shall also describe how safety is communicated with its employees, how safety audits are completed and any other information necessary to perform Work on the Project.	X	
	Proposer Response:		
TP-010	**System Configuration and Management Plan** The Toll System Provider shall provide a Joint Board-approved System Configuration and Management Plan **no later than 90 days after NTP**. The System Configuration and Management Plan shall describe how Hardware, Software and system configuration settings will be managed from Tolling Readiness through the Operations and Maintenance Term. The System Configuration and Management Plan shall describe how any change is identified, documented, controlled and verified during the Installation Work and the Operations and Maintenance Term. Any change proposed by TSP shall be submitted to the Joint Board for review and approval pursuant to the Approval Process.		

Req ID	Plans and Testing (Section TP)	Required	Value Add
	Proposer Response:		
TP-011	**Maintenance and Support Plan** The Toll System Provider shall provide a Joint Board-approved Maintenance and Support Plan **no later than 180 days after NTP**. The Maintenance and Support Plan shall describe how the Toll System Provider shall conduct preventative and corrective maintenance and support activities for the Roadside System and the BOS. The Maintenance and Support Plan shall describe preventative maintenance, corrective maintenance, Spare Parts and inventory management procedures and how Operations and Maintenance Work is managed for the System. While one plan is required, the Toll System Provider may submit a separate MSP for each functional area, for example there may be a Roadside System MSP and a BOS MSP as two separate plans. However, if more than one MSP is submitted, the MSPs shall demonstrate end to end coverage of the System. If the Toll System Provider has predictive maintenance activities this should also be described in the MSP, and the MSP shall address how the Toll System Provider shall meet all Performance Requirements, priority response and repair times for each item. The Toll System Provider shall include an organization chart and notifications for incidents as well a description of how MOMS is used to track incidents through resolution.	X	
	Proposer Response:		
TP-012	**Transition Plan** The Toll System Provider shall provide a Joint Board approved Transition Plan **no later than 180 days after NTP**. The Transition Plan shall describe how the System will be transitioned from test environments to production using the testing approach described in the Technical Requirements. Further the Transition Plan shall include all resources, scheduling and detailed step by step transition procedures for the overall System transition from test environments to production.	X	
	Proposer Response:		
TP-013	**Third Party Manuals and Documentation** The Toll System Provider shall provide and maintain standard, commercially available, updated documentation for third-party provided Hardware, Software, and services. This set of manuals shall be maintained on a Toll System Provider provided shared collaboration site (e.g. SharePoint, eRoom) and be available to the Joint Board **no later 180 days of NTP to review and download**. The Toll System Provider shall update these documents as required no less frequently than every 180 calendar days.	X	
	Proposer Response:		
TP-014	**End of Contract Transition Plan** The Toll System Provider shall provide a Joint Board approved End of Contract Transition Plan **at the completion of the System Acceptance Test**. This End of Contract Transition Plan shall address how the Toll System Provider will efficiently and seamlessly transition, without any disruption to users or the Joint Board, the operation and maintenance of all aspects of the System to another toll system provider or providers. The End of Contract Transition Plan is subject to Joint Board review and approval and shall be updated no less frequently than annually after approval. All updates are also subject to Joint Board review and approval. The End of Contract Transition Plan shall address the items described in Section 4.13 of the Agreement, and if the BOS and CSC services are provided at a commingled facility the End of Contract Transition Plan shall take into account special considerations related to the commingled facility.	X	
	Proposer Response:		

Req ID	Plans and Testing (Section TP)	Required	Value Add
TP-015	**Business Rules and Operational Requirements (BROR)** The Toll System Provider shall provide an initial BROR for the Project **no later than 90 days after NTP**. Once approved by the Joint Board, the Business Rules and Operational Requirements shall be attached to the Technical Requirements. The Business Rules and Operational Requirements **shall be updated 180 days prior to the Tolling Readiness Date and again 90 days after the System Acceptance Test is successfully completed.** The Business Rules and Operational Requirements shall be submitted to the Joint Board each time for review and approval. The Business Rules and Operational Requirements shall describe all Business Rules for the Operations and Maintenance Work for all components of the System, including any external systems used to operate and maintain the System.	X	
	Note: The Joint Board will make itself available to discuss the Business Rules with the TSP during the Business Rule development period. **Proposer Response:**		
TP-016	**Monthly Project Management Report and Meeting** Every month of the Contract Term, the Toll System Provider shall deliver a Monthly Project Management Report that describes the current status of the Project, current or new risks on the Project, a summary of work completed in the last 30 days and expected work to be completed in the next 30 days. The form of the Monthly Project Management Report shall be subject to the review and approval of the Joint Board. The Monthly Project Management Report shall also include an updated resource loaded GANTT schedule delivered in MS project and delivered in PDF. The Project schedule shall reflect current staff and progress measured against the baseline schedule. The Monthly Project Management Report shall highlight the Critical Path and near Critical Path items on the Project and the Toll System Provider's current plan to ensure no delays are incurred during the delivery. If the Toll System Provider is behind schedule or also upon the request of the Joint Board, the Toll System Provider shall provide a written corrective action plan that describes how and when the Toll System Provider will recover to meet the baseline approved Project schedule. Toll System Provider shall continuously monitor its compliance with this requirement commencing with Pre-Toll Operations, and report its compliance or noncompliance with this requirement each month in this Monthly Operations and Maintenance Report. **The Monthly Project Management Report and an updated Project Schedule shall be delivered at least 3 business days before the Project management review meeting with the Joint Board.** The Toll System Provider Project Manager - Installation shall attend this meeting in person.	X	
	Proposer Response:		
TP-017	**Quality Management Plan (QMP)** The Toll System Provider shall provide a Joint Board approved Quality Management Plan **no later than 90 days after NTP**. The QMP shall be subject to the review and approval of the Joint Board and shall describe how the Toll System Provider manages the quality assurance and quality controls throughout the Contract Term. The QMP shall address verification and validation of changes including coordination with the change management plan, supply chain management including how all Suppliers and subcontractors are addressed in the delivery, operations and management of the TCS. The QMP shall address handling of materials, control of records on the Project, and how the Toll System Provider shall conduct audits to ensure the efficient and complete performance of the Work and other obligations of the TSP under the Contract. The Toll System Provider shall develop and maintain a quality assurance and quality control program to ensure compliance to all requirements and obligations in the Contract. The Toll System Provider QMP shall establish key performance measures, regular audits and reporting to ensure requirements compliance is repeatable and the customer experience is consistent and revenue collection is at the highest efficiencies possible. The quality assurance program shall be documented in the Quality Management Plan during delivery and shall be addressed in a quality assurance section to be included in the Monthly Project Management Report provided to the Joint Board.	X	
	Proposer Response:		

Req ID	Plans and Testing (Section TP)	Required	Value Add
TP-018	**Configuration and Change Management Plan** The Toll System Provider shall provide a Joint Board approved Configuration and Change Management plan **no later than 90 days after NTP.** The Configuration and Change Management Plan shall describe how the Toll System Provider identifies and manages change including the identification of a change control board to be used during the installation and configuration of the System as well as during operations. The Configuration and Change Management Plan will outline the process in which changes are identified, escalated and brought to the owner, process to notify the Joint Board of changes, and final resolution and tracking of changes throughout the TCS Operations and Maintenance Term.	X	
	Proposer Response:		
TP-019	**Master Testing and Commissioning Plan** The Toll System Provider shall provide a Joint Board-approved Master Testing and Commissioning Plan (MTCP) **no later than 90 after NTP**. The MTCP shall include a list of all of the testing including a description of each test, a sample and representative completed test procedure for the Project, roles and responsibilities for each test phase, the entry and exit criteria for each test including test environment for each test, a requirements traceability matrix used to verify the requirements and failure reporting, tracking and analysis. The MTCP shall be developed to satisfy the testing requirements as outlined below in Technical Requirements TP-020 thru TP-024 outlined below.	X	
	Proposer Response:		
TP-020	**Baseline Test** The Baseline Test will provide an initial validation of the System's compliance with the Technical Requirements. The Baseline Test is not intended to be a performance test but rather an initial component level and end to end functional test of the System. The Baseline Test Plan shall include component level testing for the following areas. In addition it shall demonstrate the end to end functionality of the System as it is available in its current state. External interfaces shall be used in all instances possible but simulated external interfaces or external interfaces may be used with Joint Board approval in this test phase. The Baseline Test shall be conducted at the Toll System Provider's test facility or factory environment. A simulated Roadside System or test facility may be used for the Baseline Test. The Baseline Test planning shall be an end to end view of all testing on the Project but the Baseline Test plan and procedures shall provide component level tests that exercise elements of each of the major functional systems below to demonstrate compliance with the Technical Requirements. The Baseline Test Plan shall, at a minimum, encompass the following areas: 1. Roadside System Transaction creation, processing 2. System Monitoring and incident management (MOMS) 3. Image Review 4. IVR 5. BOS ETC and Violations account management 6. BOS, credit cards, Violations, collections and court processes 7. Payment processes and exception management 8. Toll Operations Center including all interfaces 9. Payment processing for all available payment methods 10. Customer Website 11. Disaster recovery including failover of the BOS and CSC.	X	
	Proposer Response:		

Req ID	Plans and Testing (Section TP)	Required	Value Add
TP-021	**Pre-Production Controlled Test** The Pre-Production Controlled Test shall occur after the configuration of the external interfaces and Business Rules for the TCS. The same test procedures may be used for the Pre-Production Controlled Test as are used in the Baseline Test, and the Pre-Production Controlled Test shall be conducted at the Toll System Provider's test facility. With the exception of the Roadside System at the Project Sites, the Pre-Production Controlled Test shall use the configured interfaces for the System. The Pre-Production Controlled Test as it relates to the Roadside System shall reflect the System intended to be installed on the Project but shall be connected to the Toll System Provider's test facility. Vehicles shall be run at speeds from 0 MPH to 65 MPH at the test facility to conduct the Pre-Production Controlled Test. A minimum of four Equipment Lanes shall be configured to conduct this test. It is also understood that the network connections may be different than the network planned for the Project but all interfaces shall be configured to operate in near-real- time as close to a production environment of the Project as possible.	X	
	Proposer Response:		
TP-022	**System Production Readiness Test** The System Production Readiness Test shall be the same as the Pre-Production Controlled Test but shall be conducted with all final components required for revenue service and using the Project Toll Zones and vehicles and customer accounts at the LSIORB Project Toll Zones in Kentucky or Indiana. No simulated interfaces may be used in the System Production Readiness Test. The same test procedures used for the Baseline Test may be used for the System Production Readiness Test, but without the use of simulators. The first available Toll Zone full configuration may be used for this test. The System Production Readiness Test shall be performed prior to live traffic conditions to verify that the System is ready to open to traffic and verify preparedness for toll collection activities. The TCS is considered ready to open to traffic and able to collect revenue when the following conditions are met: The TCS is available and functioning properly, including System Hardware and network communications, and each component of the TCS is available to collect revenue, receive information from the Roadside System, process information/Transactions correctly and provide customer service operations. The System is able to successfully identify from the Roadside System equipment that a Transaction has occurred through either Transponder identification or license plate identification. The Transaction should successfully process through the Roadside System and then successfully move that Transaction to the appropriate Transaction route in the BOS solution. The route the Transactions may take are varied depending upon the System but should result in a rate assignment for each Transaction, associate the correct customer account for that Transaction, or the System shall send the Transaction through the OCR process to either associate with a known account or proceed to identify the Transaction to an appropriate vehicle owner. The System shall be capable of performing these functions for 1100 Transactions of varying types encompassing all Transaction types prior to Tolling Readiness. The distribution of Transaction types will be agreed upon by the Toll System Provider and the Joint Board. The Toll System Provider is prepared to collected data per the agreed upon methodology upon Revenue Service. The methodology to measure SLAs has been established, the methodology to report Performance Requirements and the reporting tools and medium has been agreed upon by the Joint Board and the Toll System Provider Network communications have been tested and are successfully operating. All required interfaces and file transfers have been tested and are successfully operating for required interfaces, including interoperable interfaces. The CSC must be open and operational and able to provide all customer service functions as required in Section CS of the Technical Requirements. The IVR and Customer Website must be operational at the time of Tolling Readiness and comply with Business Rules and PCI DSS compliance rules and regulations. All cash handling operations must be verified and ensure compliance with all rules and regulations as well as all other payment processing procedures. All Correspondence capabilities will be reviewed, verified and validated including the • Ability to process all types of invoicing including pay by plate, Violations, collections and final collection process through court documentation preparation and procedures • Ability to process Customer Website Correspondence, and the • Ability to process different types of Transactions by IVR, process payments, process Violations and validate the IVR system, and • Timeliness.	X	

Req ID	Plans and Testing (Section TP)	Required	Value Add
	All TCS reporting and monitoring are operational and have begun to collect data from different components of the TCS. Report formatting and report generation are complete. Typical responses to system incidents have been outlined and tested. Media data submission and reporting has been developed and agreed to by the Joint Board and the Toll System Provider for daily submission upon opening, weekly submissions in the future as agreed to by the Joint Board and monthly submissions as agreed to by the Joint Board.		
	Proposer Response:		
TP-023	**Operations Tests** The Toll System Provider shall conduct four Operations Tests: i) a BOS, CSC, TOC operations test, ii) Temporary Downtown Traffic Configuration iii) East End Bridge, and the iv) Final Downtown Traffic Configuration. Each Operations Test shall be a live Operations Test of the System using controlled and live test vehicles and accounts to demonstrate that the TCS operates within the approved Business Rules and Technical Requirements. The Toll System Provider shall conduct this operations test for a minimum of 120 days after the commencement of Revenue Service for each Bridge including the BOS. The Operations Tests shall verify the following elements on a weekly basis be submitted no more than 2 business days after the conduct of the test. The Operations Test requirements shall be addressed in the MTCP but should include the following at a minimum: 1. ETC and Image Transaction Creation and flow and posting to all 10 test accounts and trace Transactions in at least 10 production accounts selected by the States' Parties to ensure Transactions are created, posted and processed according to requirements. 2. Test IVR to make payments, and exercise the IVR tree to ensure information is available to the customer per the specified Business Rules. 3. Test Customer Website to validate invoice information is available and makes payments and validate that the website is available and operating in accordance with the Business Rules and requirements. 4. Validate payment processing for credit cards, checks, retail cents, and lockbox posting. 5. Validate Violation escalations, invoice information presented on the account, escalation to collections and court. The escalation configurable periods used for collections and court may be manually adjusted but the escalated configurable periods for Customer Statements must use the configured production System times. 6. Confirm all payments and Transactions for test accounts and selected production accounts are reflected properly in the financial reports and any financial records transmitted to the accounting system provided by others. 7. Confirm all interoperable accounts and Transactions are posting in accordance with E-ZPass rules and funds are reconciled within the TCS. 8. Monitor and record all incidents, and report all priority 1 incidents to the Joint Board with resolution plan including a root cause analysis.	X	
	Proposer Response:		
TP-024	**System Acceptance Test (SAT)** The System Acceptance Test will be performed in live traffic conditions after all the Bridges have been opened for Revenue Service. SAT will be performed to ensure that the TCS functions as required by the Technical Requirements, the Guaranteed Performance Requirements as provided in Exhibit N of the Agreement, and all other requirements of the Contract Documents. The purpose of the SAT is to validate that the Roadside System equipment identifies the Traffic Transactions properly and collects the appropriate data, the BOS solution successfully processes that data, and the customer service operations perform as required to support the needs of the toll patrons while supporting maximum revenue collection with minimum leakage at the required service levels. SAT will be performed after numerous component tests occur as listed in TP 0020-0024 of the Technical Requirements (Appendix C). SAT will verify that the overall TCS, including Hardware and Software, performs at the required service levels and at the required throughput. In order for SAT to be requested and agreed upon by the Joint Board, SAT will be performed after all outstanding trouble tickets have been resolved; all prior operational component testing is complete as outlined in Technical Requirements TP-020, TP-021, TP-022, TP-022, and TP-023 and accepted; and an established methodologies have been utilized for a first collection of the data required to measure compliance with Performance Requirements. SAT testing will occur after the completion of the Operations Tests and will run for a period of 48 hours of roadside traffic operations and for a period of 60 days for all TCS components and operations.		

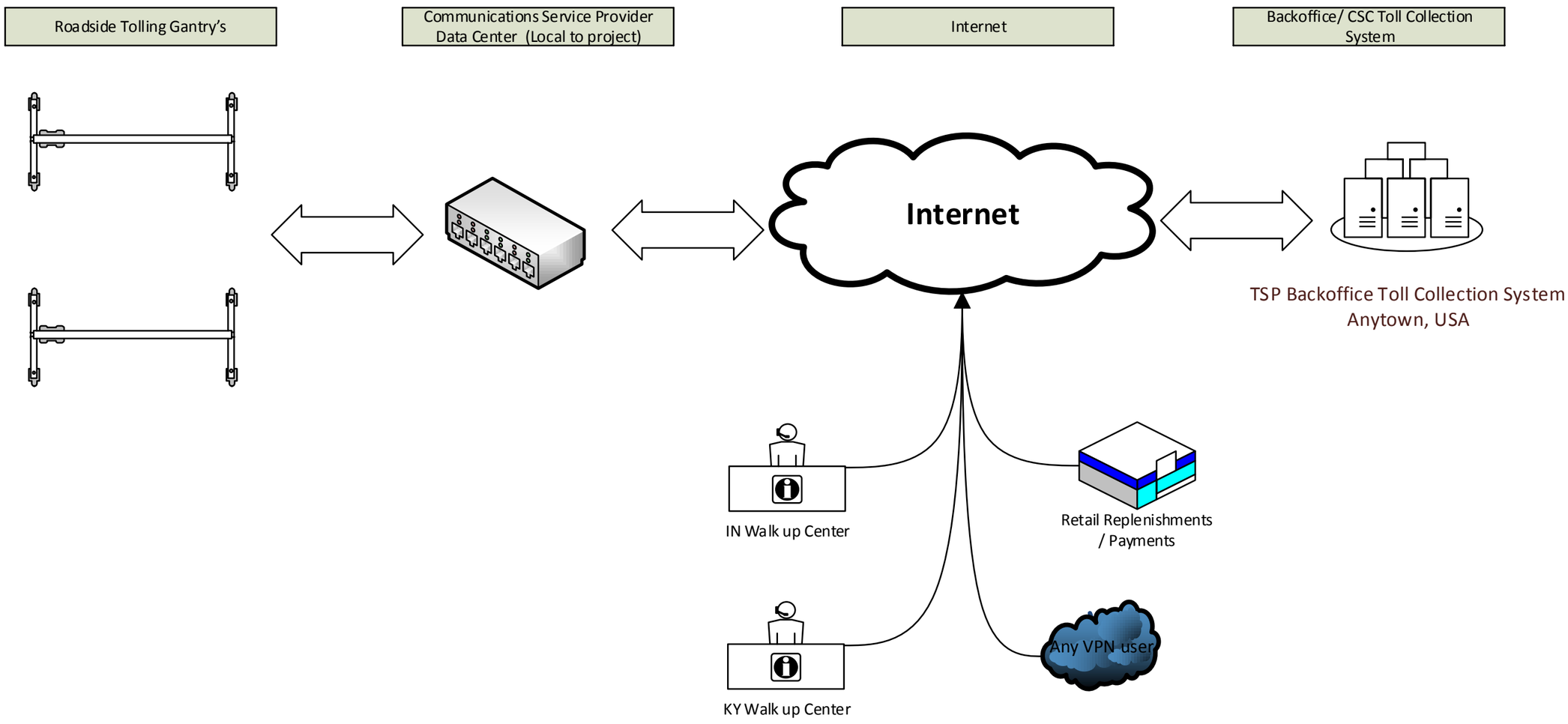
Req ID	Plans and Testing (Section TP)	Required	Value Add
	SAT will verify that: Each component of the TCS is available and performing to the required Performance Requirements in TR Section PR All processes and work flows will be verified including but not limited to WF-001 through WF-016. Ensure compliance with all Business Rules. System network and system architecture requirements have been successfully implemented, completed, tested, verified, validated and performing and are available for use by the Joint Board's TCS. Test and verify timeliness of response to potential network and communications failure. Test the disaster recovery systems and test the Disaster Recovery System Plan. Ensure Transaction record accuracy has been achieved at all Toll Zones. Traffic Transactions and Event Transactions from each Toll Zone will be reviewed, verified and followed to each end state of the Transaction. BOS requirements have been successfully implemented, completed, tested, verified, validated and are performing and available for use by the Joint Board's TCS through account sampling, setup, verification, and validation. Toll Operations Center and system monitoring have been successfully implemented, completed, tested, verified, validated and are performing and available for use by the Joint Board's TCS. Test system messaging and response times to different message types and ensure timeliness and responsiveness of operation and maintenance staff. All Correspondence capabilities will be reviewed, verified and validated including the • Ability to process all types of invoicing including registered and unregistered license plate accounts, Violations, collections and final collection process through court documentation preparation and procedures; • Ability to process Customer Website Correspondence, and the • Ability to process different types of Transactions by IVR, process payments, process Violations and validate the IVR system.		
	CSC operations will be fully reviewed to ensure all SLAs are met including all requirements as outlined in Section CS of the Technical Requirements including the additional items below: 1) Verification of live call handling by CSRs, 2) Secret shopping to the Walk-up Centers and remote operations (if implemented), 3) Random spot check and review of lockbox and lockbox compliance with operational procedures and 4) Confirm and test money handling procedures at each retail location and/or remote locations (if applicable). The SAT will also verify the following: 1. Review HR policies and HR procedures of all staff on the TCS team to ensure the policies and procedures are followed in accordance with the Joint Board approved Toll System Provider policy. 2. Confirm that all transfers of files and interfaces to all outside systems are tested, validated and are functioning according to requirements. Process file transfer in near-real-time and verify transfer of data with outside interfaces 3. Financial transfers of funds are occurring timely with maximum availability of cash funds to the Joint Board on a daily basis with concise, timely, and precise reconciliation of all funds, accounts, sub ledgers, etc. 4. Confirm that all interoperable accounts are handled and processed in a timely manner and ensure all interoperable Transactions are processed according to each interoperable agency's agreed upon Business Rules and operational agreements. 100 interoperable Transactions will be traced and verified and validated throughout the TCS to final financial reconciliation from each interoperable agency.		
	Proposer Response:		

Req ID	Plans and Testing (Section TP)	Required	Value Add
TP-025	**Document Reviews** The Toll System Provider shall plan for 2 document reviews for submittals and allow for 10 day review cycles by the Joint Board for all documents submitted for Joint Board Review and approval. No new comments are expected after the third cycle but additional review cycles may be required if the Joint Board's comments are not addressed in the first three review cycles to the Joint Board's satisfaction . All documents shall be provided in PDF and native versions including MS Office, AutoCAD, Visio or other similar products.	X	
	Proposer Response:		
TP-026	**Maintenance of Traffic Plan** The Toll System Provider shall be responsible for the planning and implementation and removal of lane closures for toll equipment preventative or emergency maintenance. The Toll System Provider shall utilize the most current state traffic control plans and standards applicable to the Toll Zone. The Toll System Provider shall request lane closures in writing and accordance with the applicable state policy. Any preventative maintenance lane closures must be requested in writing at least 14 calendar days in advance. Emergency lane closures require 12 hours written notice. The Toll System Provider shall include a unit price for each of the traffic control configurations outlined in the price proposal. The Joint Board will reimburse the Toll System Provider for each authorized lane closure required during installation and Maintenance Of Traffic.	X	
	Proposer Response:		
TP-027	**Incident Management Coordination** States' Parties have two separate, but coordinated traffic management centers (TMC) to manage traffic incidents in each respective state and jointly coordinate incidents that impact both states. INDOT has a state operated traffic management center and KYTC contracts its traffic management services through TRIMARC in the Louisville Metropolitan area. It is anticipated that the designated Traffic Management Centers in KY or IN will notify the Toll System Provider by email and phone of incidents that occur that may impact tolling which may or may not require suspension. INDOT and KYTC TMC's are responsible for all incident management and will notify the Toll System Provider of any incidents within proximity of the Toll Zone by email. The Toll System Provider shall establish, maintain and support a dedicated phone line and maintain the phone system used for coordination with the traffic management centers. This phone number shall be a toll free number and shall be established at least 9 months prior to Tolling Readiness Date. No system to system integration or interface is required for the TMC. Phone, email and one way really simple syndication feeds shall be configured for the TMC operations.	X	
	Proposer Response:		
TP-028	**CSC Operations Plan (separate from BOS)** The Toll System Provider shall provide a Security and Access Control Plan for CSC, Lockbox Operation Staffing and Operational Plan, Training Program for CSC staffing, Organizational Chart for all staffing of CSC, Employment Policy for CSC employees and HR Policy and HR Benefits plan **no later than 180 days after NTP.** It is intended that the Toll System Provider provide these plans for the Joint Board review. No approval or comments are anticipated. However, due to federal requirements and funding on the Project, the Joint Board may provide comments on elements that are applicable to federal or state law.	X	
	Proposer Response:		
TP-029	**Walk-up Center Build out Plan** The Toll System Provider shall provide a Walk-up Center Plan **no later than 90 days after NTP.** This Walk-up Center Plan shall identify the overall scope and construction and operational opening schedule for the Walk-up Centers as well as lease information, layout functions and deployment approach, and required marketing information needed from the Joint Board.	X	

Req ID	Plans and Testing (Section TP)	Required	Value Add
	Proposer Response:		
TP-030	**Monthly Operations and Maintenance Report** Monthly O&M Performance Report that accurately describes the actual System performance as measured against the Performance Requirements section **shall be submitted in writing to the Joint Board each month no later than the 7th calendar day of the month.** If there is a deviation from the approved Performance Requirements agreements, the Toll System Provider shall identify a corrective action plan for all deviations. The Monthly O&M Performance Report shall also include the inventory levels and performance of all equipment in the TCS. The first Monthly O &M Performance Report shall be delivered 30 days after commencement of the Pre-Toll Operations.	X	
	Proposer Response:		
TP-031	**Access to TSP Facilities** The Joint Board's Designated Representatives shall have access to the Toll System Provider's facilities and personnel at all times. The TSP shall provide an office for 2 people at the CSC for the Joint Board's use at any time. This office shall include a network workstation, phone and location for a member of the Joint Board's team to remain on site 100% of their time, if desired by the Joint Board.	X	
	Proposer Response:		
TP-032	**Disaster Recovery System Plan** The Toll System Provider shall provide a TCS Disaster Recovery System Plan and subsequent disaster recovery procedures for the TCS and CSC, which shall be reviewed and approved by the Joint Board **no later than 180 days after NTP**. The TCS Disaster Recovery System Plan shall include a description of each system along with a description of how each system in the TCS will be recovered. This plan shall describe all resources required to recover each system to operations. The Disaster Recovery System Plan shall also describe any single failure points in the System and the Toll System Provider's plan to recover the System.	X	
	Proposer Response:		

Attachment C-1 - Network system architecture

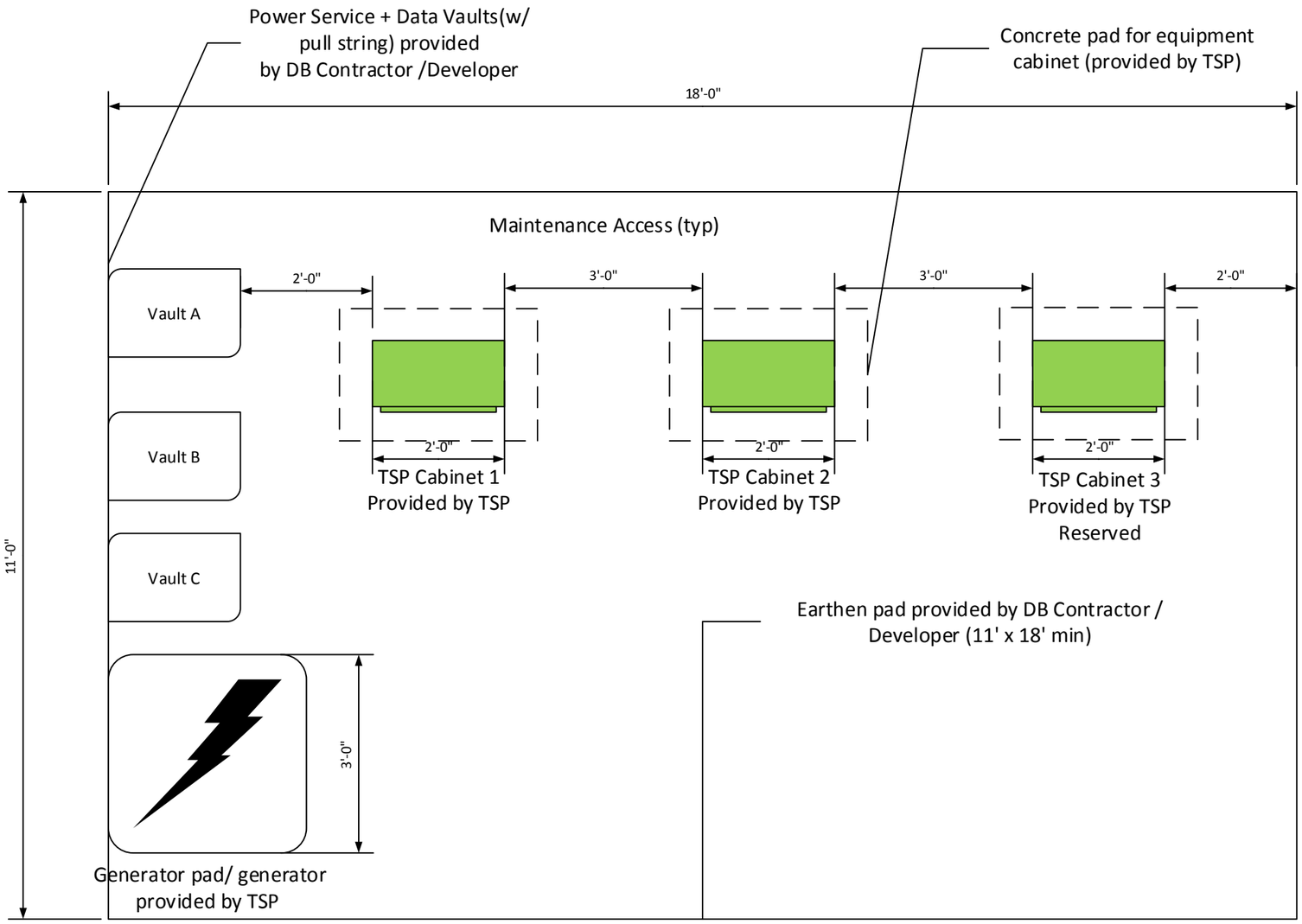
The proposed network TCS architecture is depicted in the diagram below. The Roadside Toll Zone will connect to a local data center via a point to point network (Layer 2 or 3 solution) that has access to communication service provider's facilities to connect the Roadside System to the BOS. The Toll System Provider is responsible for the local area network at the Toll Zone and Proposer shall include all costs associated with this work in its Price Proposal. The Toll System Provider is responsible for contracting with a communication service provider that is responsible to connect the network to an existing backbone and bring the network to an existing data center to then be made available on a leased line to be connected to a BOS solution which will be handled as a Pass-Through Cost Item. Segment 1 below is defined as the network between the roadside Toll Zone and the communications service provider's data center. Segment 2 below is defined as the network between the communication service provider to the Internet to the BOS and CSC of the TCS.



LSIORB Project - Toll Equipment Area – Proposed Equipment layout

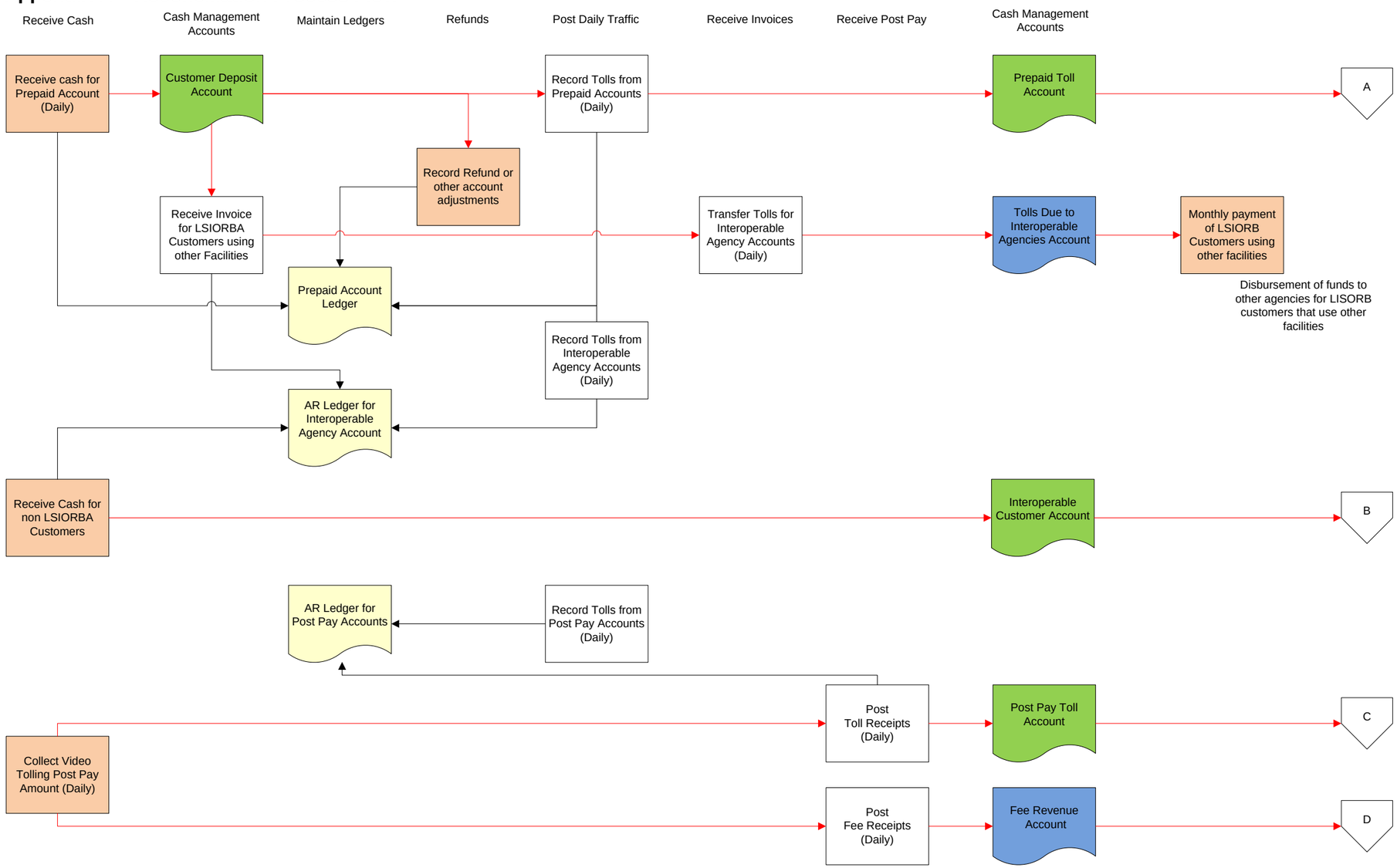
Note: DB Contractor (Downtown Crossing) and Developer(East End) provide vaults and earth pad for TSP to provide equipment and run conduits to cabinets.

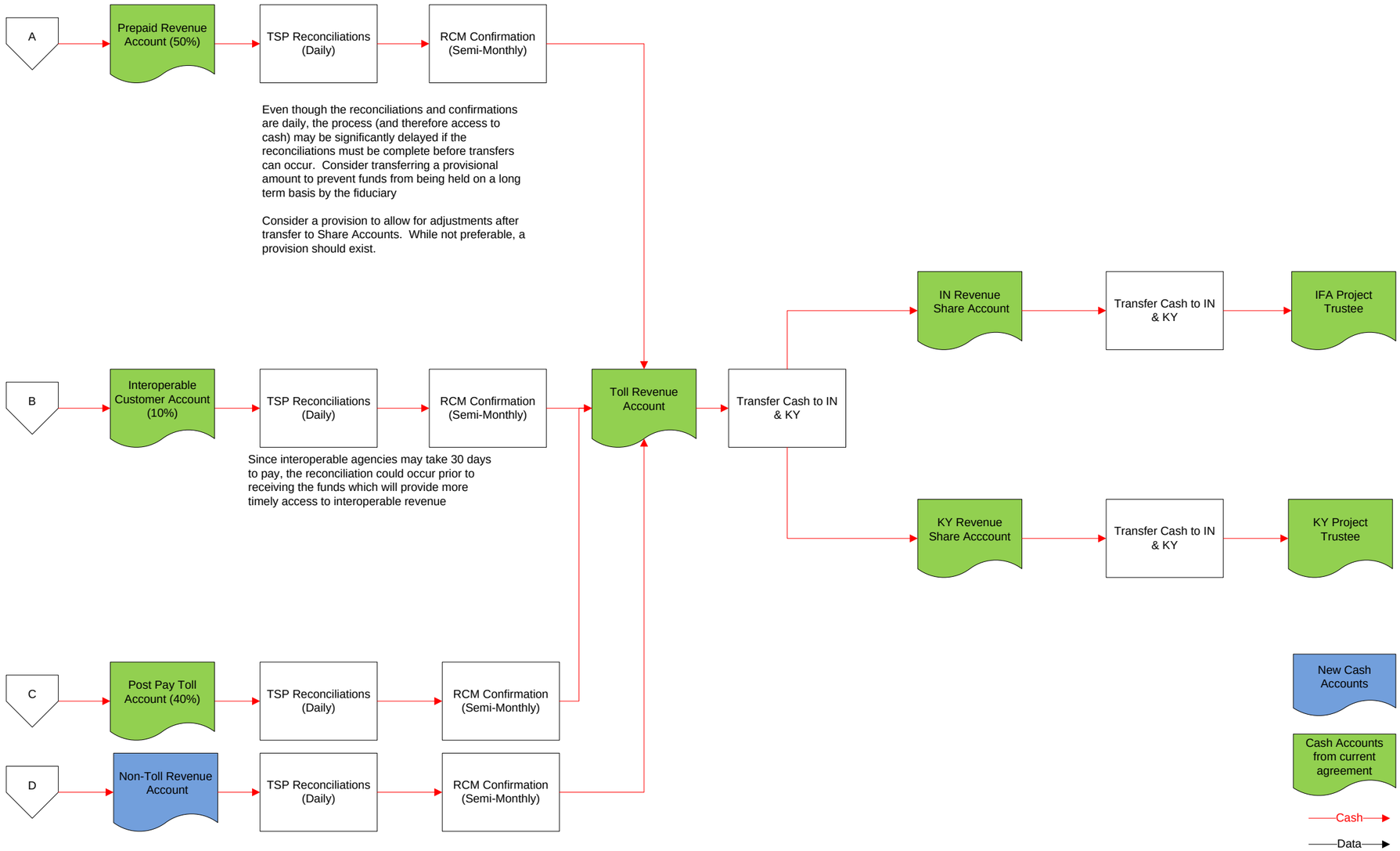
DRAFT – for discussion only not for construction



Attachment C-3 - Flow of Funds

Appendix A – Reconciliation Process Flow



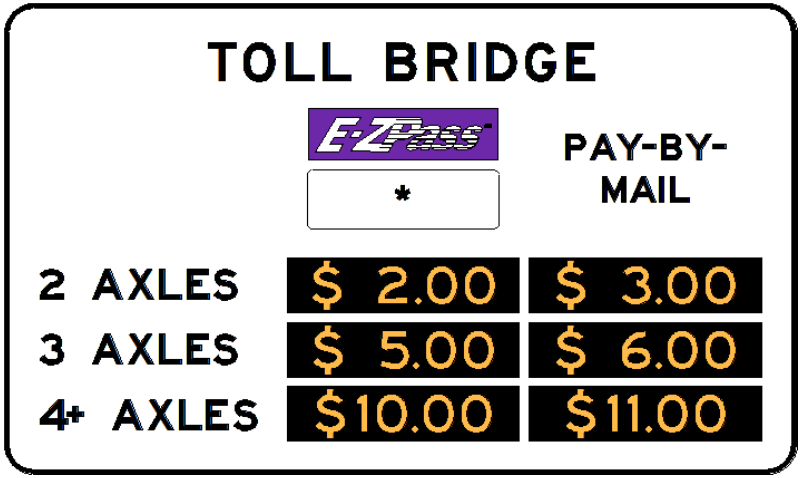

A
Prepaid Revenue Account (50%)
TSP Reconciliations (Daily)
RCM Confirmation (Semi-Monthly)
Even though the reconciliations and confirmations are daily, the process (and therefore access to cash) may be significantly delayed if the reconciliations must be complete before transfers can occur. Consider transferring a provisional amount to prevent funds from being held on a long term basis by the fiduciary
Consider a provision to allow for adjustments after transfer to Share Accounts. While not preferable, a provision should exist.
B
Interoperable Customer Account (10%)
TSP Reconciliations (Daily)
RCM Confirmation (Semi-Monthly)
Since interoperable agencies may take 30 days to pay, the reconciliation could occur prior to receiving the funds which will provide more timely access to interoperable revenue
Toll Revenue Account
Transfer Cash to IN & KY
IN Revenue Share Account
Transfer Cash to IN & KY
IFA Project Trustee
KY Revenue Share Acccount
Transfer Cash to IN & KY
KY Project Trustee
C
Post Pay Toll Account (40%)
TSP Reconciliations (Daily)
RCM Confirmation (Semi-Monthly)
D
Non-Toll Revenue Account
TSP Reconciliations (Daily)
RCM Confirmation (Semi-Monthly)
New Cash Accounts
Cash Accounts from current agreement
Cash
Data

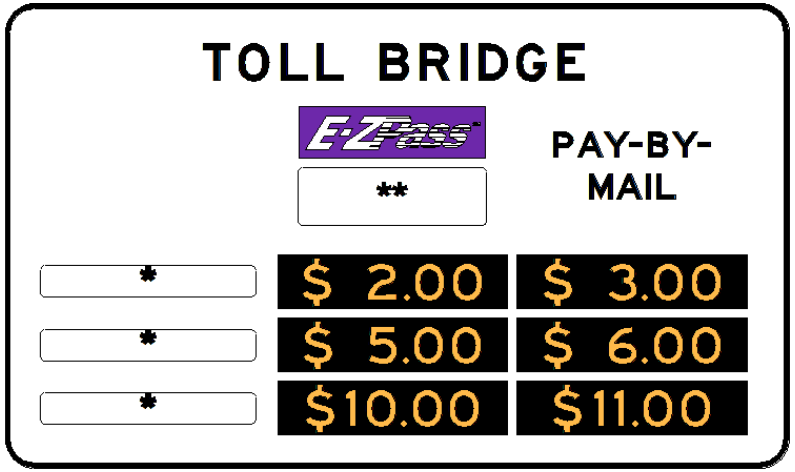
Attachment C-4 Changeable Message Panel

The Toll System Provider shall provide LED panels and associated controller and controller cabinet for the Toll Rate Sign below. The Toll Rate sign structure and sign panel will be provided by others. The panel shall be an illuminated module placed in a cutout portion of the sign. The panel will require power and a communication element is required for remote control of the sign. A secure commercial wireless modem is acceptable for communications. A commercial power source will be provided by others and available within 100 feet of the Changeable Message Sign with an empty conduit run from the power source to the sign. The approximate toll bridge sign including logos(provided by others) size is 27 feet by 16 feet when changeable message panels (Provided by TSP) are used (this assumes a 15-inch display of rate amounts within the panels). Panel display is an assembly of a 35x7 matrix of light emitting diodes (LEDs).

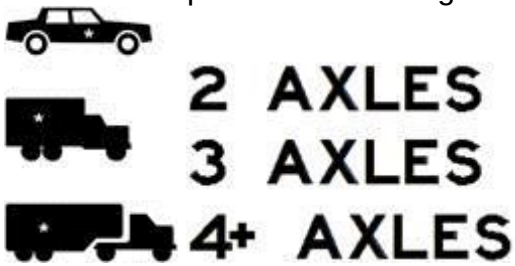
The Toll System Provider shall also provide a CCTV camera and associated enclosure and wireless communications for the Toll System Provider to monitor and confirm the correct rates on the Toll Rate Sign. A pole within 50 feet, conduit and power source (may be the same as Toll Rate Sign) will be provided by others.

A list of the Toll Rate Signs and anticipated locations for the LSIORB Project are listed below: **Roadway Type**	**Project Section**	**Project Station**	**Sign Reference Number**	**Comments**
I-71 SB Mainline	1	Just East of Beargrass Creek Need stationing.	Not assigned	M.P. 0.45
I-64 WB Mainline	1	Between Mellwood & Story Just North of Bridge A039 Need stationing.	Not assigned	M.P. 3.02EB
I-64 EB Mainline	1	TBD 9th Street Bridge/Ramp or Belvedere Need stationing.	Not assigned	M.P. 6.63EB (M.P. 6.35WB)
I-65 NB Mainline	1	Between Caldwell & Breckenridge	Not assigned	M.P. 134.90
I-65 SB Mainline	3	137+00	IGDO-30	M.P 0.69 (+386')
I-65 SB Mainline	3	217+10	IGDO-31	M.P. 2.20 (+220')
KY-841 NB Mainline	4	56+00	OSS-4	M.P. 36.00
I-265 SB Mainline	6	347+00	Not assigned	M.P. 10.38





* Reserved space for axle designation or shaped based designation as noted in the figures below.

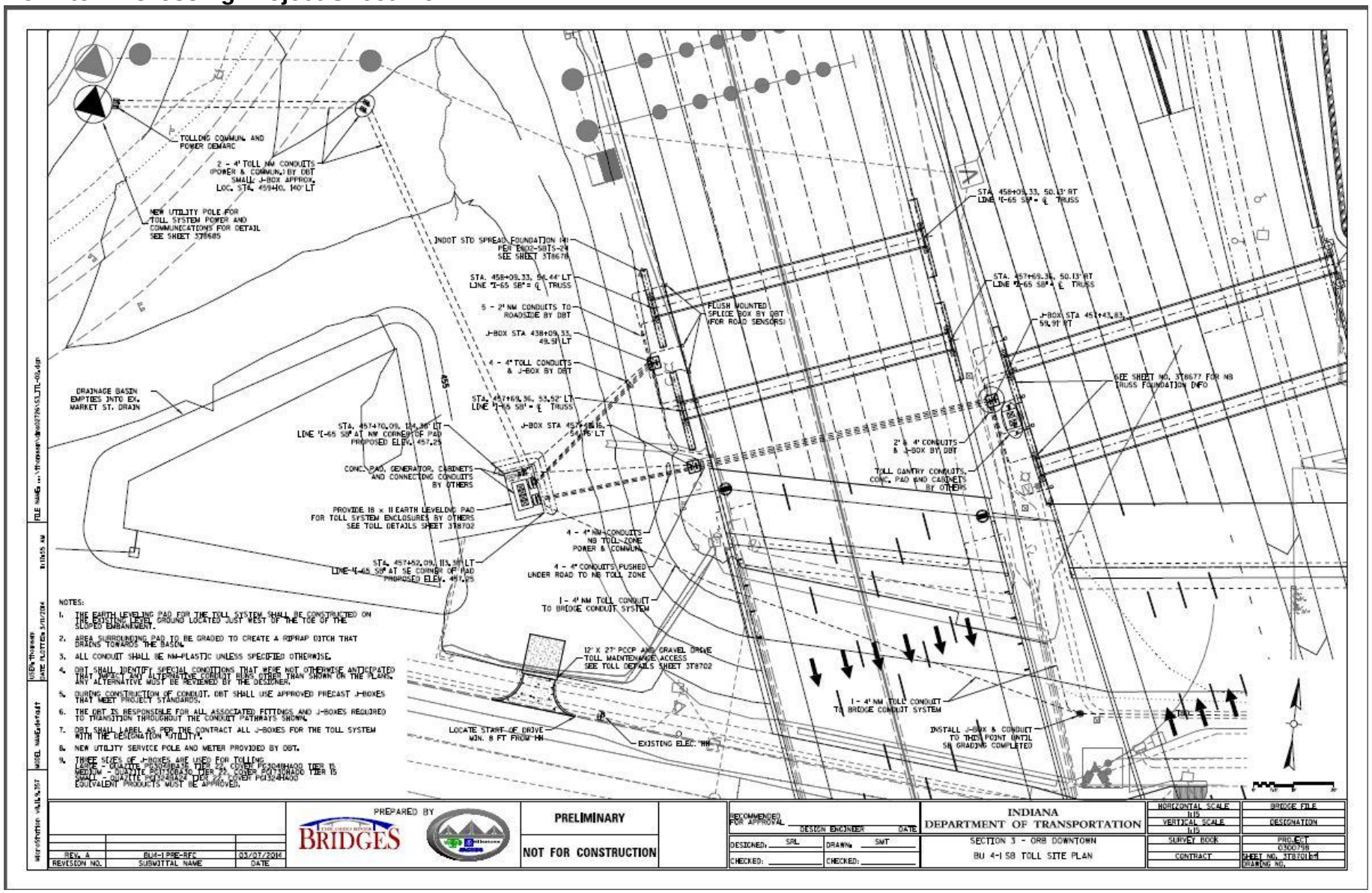


** Reserve a block sized 78 inches by 24 inches for local branding pictograph of toll collection. Pictograph has not been designed at this time.

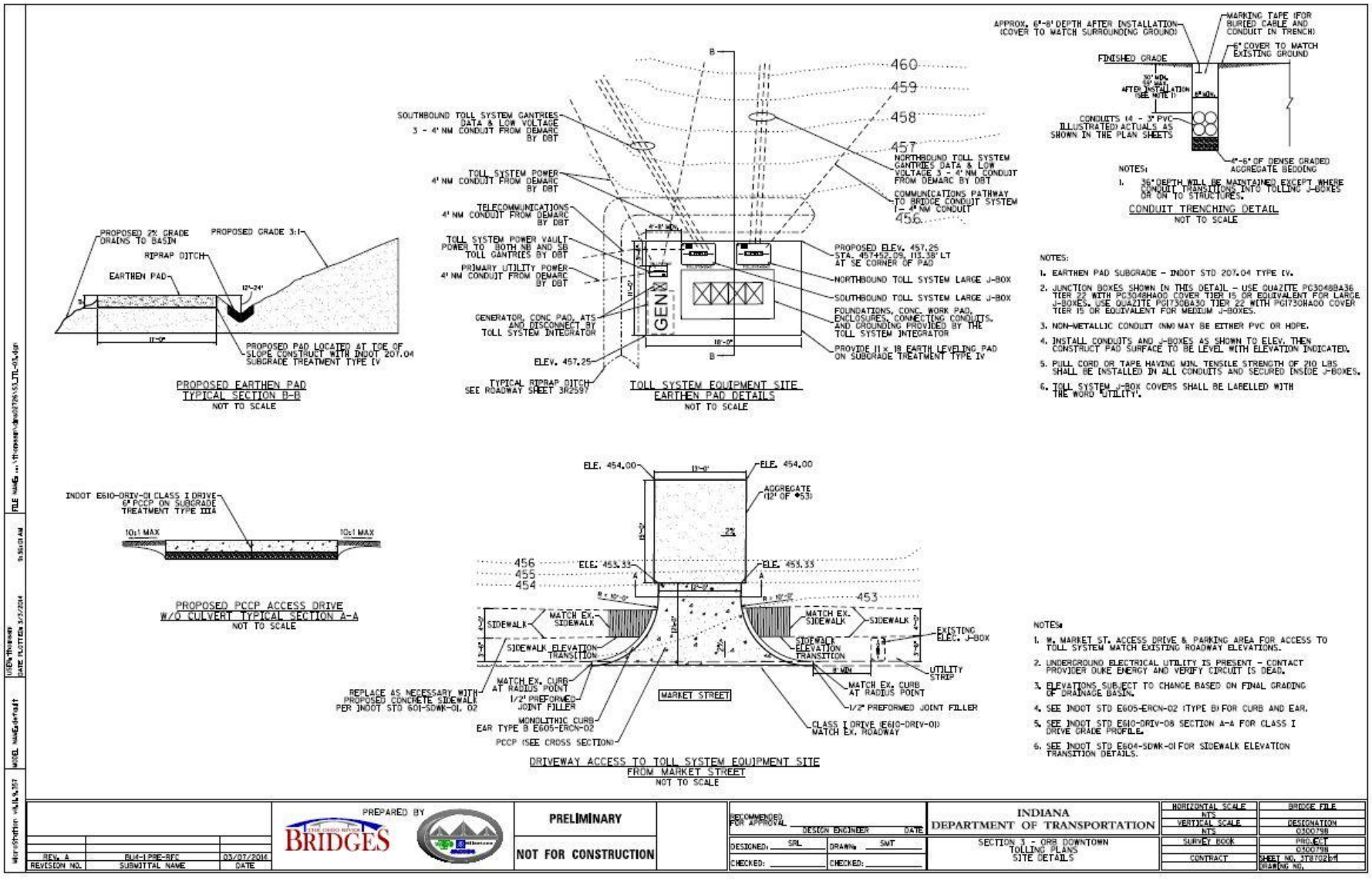
Attachment C-5 - Roadside System Site Plans – THE MEASUREMENTS, LOCATIONS AND DIMENSIONS ON THE FOLLOWING DRAWINGS ARE APPROXIMATIONS ONLY AND SUCH MEASUREMENTS, LOCATIONS AND DIMENSIONS MAY NOT BE ACCURATE AND COMPLETE AND MAY NOT BE RELIED UPON.

Note: For the purpose of the drawings identified in Attachment C-5, TSI or Toll System Integrator shall mean Toll System Provider.

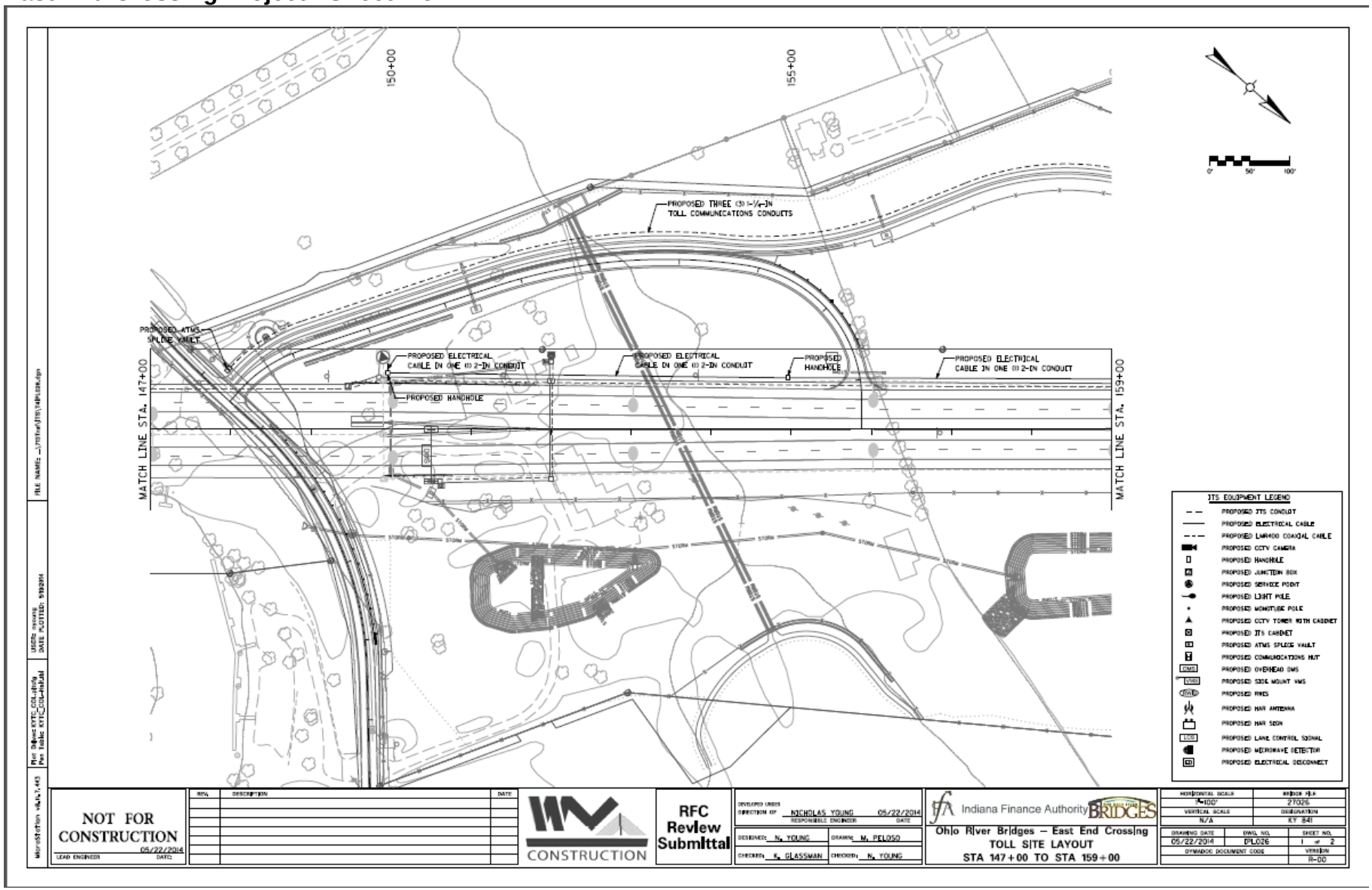
Downtown Crossing Project Sheet 1 of 2



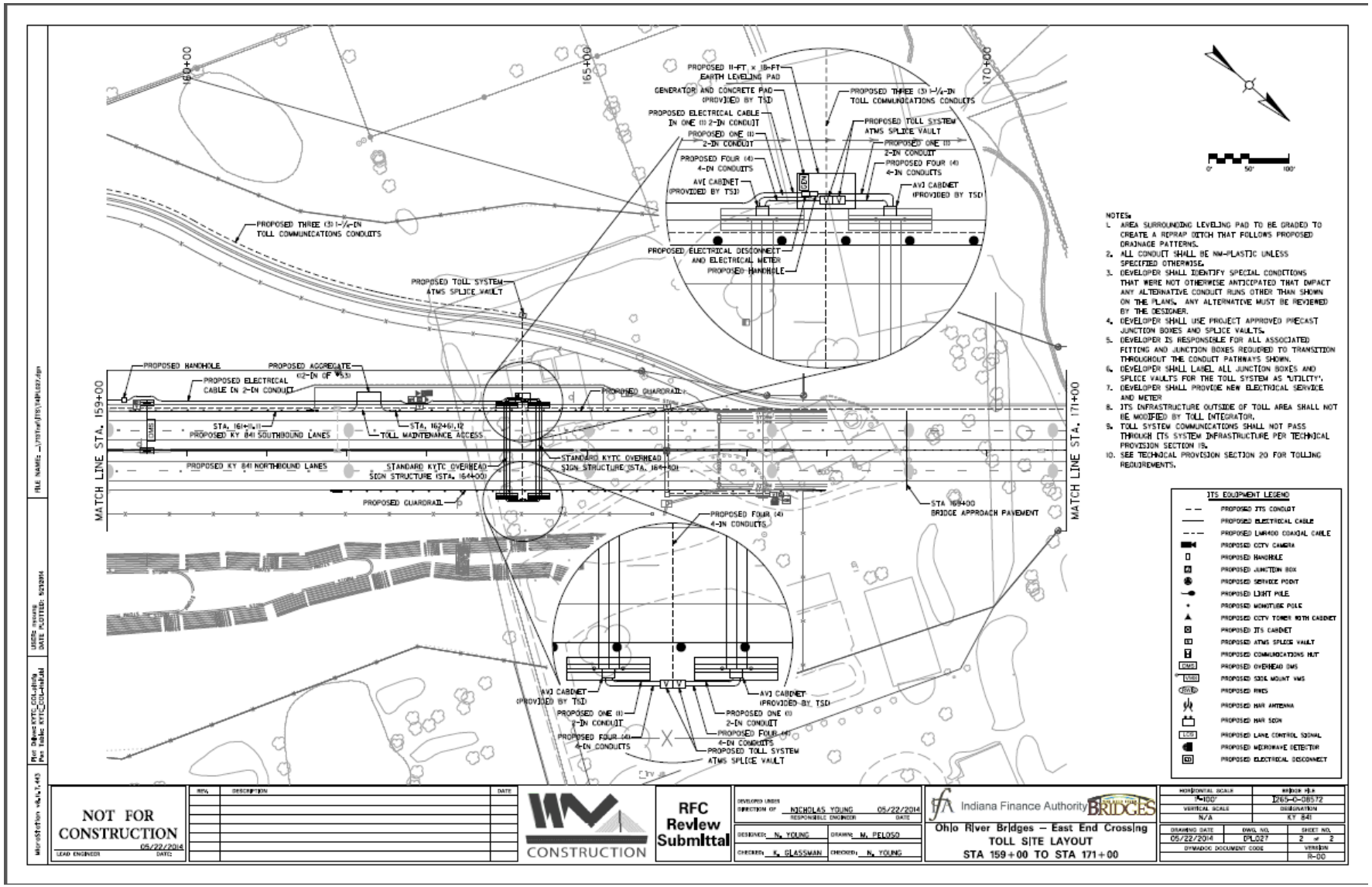
Downtown Crossing Project - Sheet 2 of 2**



East End Crossing Project - Sheet 1 of 2**



East End Crossing Project Sheet 2 of 2**



FORM L

GUARANTOR COMMITMENT LETTER

[_____, 2014]

Indiana Finance Authority
Joint Board
One North Capitol Avenue, Suite 900
Indianapolis, IN 46204
Attention: Silvia Perez

RE: GUARANTOR COMMITMENT TO PROVIDE PARENT GUARANTY FOR TOLL SERVICES FOR THE LOUISVILLE-SOUTHERN INDIANA OHIO RIVER BRIDGES PROJECT

Dear Ms. Perez:

_____ ***[Insert name of entity providing the guaranty]***, hereinafter "Guarantor," is _____ ***[describe relationship to Proposer]***. This commitment letter is provided on behalf of _____ ***[insert name of Proposer]*** in connection with its proposal for the _____ Agreement ("Agreement") to provide, operate, maintain, and manage an all-electronic open road toll collection system, and provide back office toll collection and customer service, for the three (3) bridges comprising the Ohio River Bridges Project defined herein (the "Project"). Guarantor hereby irrevocably agrees to provide a guaranty, guaranteeing all the obligations of Toll System Provider with respect to the Agreement in the form of Exhibit Z of the Agreement. This commitment is subject only to award and execution of the Agreement by the Joint Board.

Sincerely,

_____
[Title]

[Attach evidence of authorization of the signatory to the letter, which may include a Power of Attorney signed by an authorized individual of the entity or other authority, as evidenced by the partnership agreement, joint venture agreement, corporate charter, bylaws or resolution.]

FORM M

RFP COMMENT FORM

Proposer: _____

Comment Sheet_ of _____ Sheets

No.	Document and Section Number	Category	Comment(s)	Reserved for IFA Response

FORM N

AFFIDAVIT FOR BIDDERS

Solicitation/Contract #: _____

REQUIRED AFFIDAVIT FOR BIDDERS, OFFERORS AND CONTRACTORS

FOR BIDS AND CONTRACTS IN GENERAL:

I. Each bidder or offeror swears and affirms under penalty of perjury, that:

a. In accordance with KRS 45A.110 and KRS 45A.115, neither the bidder or offeror as defined in KRS 45A.070(6), nor the entity which he/she represents, has knowingly violated any provisions of the campaign finance laws of the Commonwealth of Kentucky; and the award of a contract to the bidder or offeror or the entity which he/she represents will not violate any provisions of the campaign finance laws of the Commonwealth.

b. The bidder or offeror swears and affirms under penalty of perjury that, to the extent required by Kentucky law, the entity bidding, and all subcontractors therein, are aware of the requirements and penalties outlined in KRS 45A.485; have properly disclosed all information required by this statute; and will continue to comply with such requirements for the duration of any contract awarded.

c. The bidder or offeror swears and affirms under penalty of perjury that, to the extent required by Kentucky law, the entity bidding, and its affiliates, are duly registered with the Kentucky Department of Revenue to collect and remit the sales and use tax imposed by KRS Chapter 139, and will remain registered for the duration of any contract awarded.

d. The bidder or offeror swears and affirms under penalty of perjury that the entity bidding is not delinquent on any state taxes or fees owed to the Commonwealth of Kentucky and will remain in good standing for the duration of any contract awarded.

FOR "NON-BID" CONTRACTS (I.E. SOLE-SOURCE; NOT-PRACTICAL OR FEASIBLE TO BID; OR EMERGENCY CONTRACTS, ETC):

II. Each contractor further swears and affirms under penalty of perjury, that:

a. In accordance with KRS 121.056, and if this is a non-bid contract, neither the contractor, nor any member of his/her immediate family having an interest of 10% or more in any business entity involved in the performance of any contract awarded, have contributed more than the amount specified in KRS 121.150 to the campaign of the gubernatorial slate elected in the election last preceding the date of contract award.

b. In accordance with KRS 121.330(1) and (2), and if this is a non-bid contract, neither the contractor, nor officers or employees of the contractor or any entity affiliated with the contractor, nor the spouses of officers or employees of the contractor or any entity affiliated

with the contractor, have knowingly contributed more than $5,000 in aggregate to the campaign of a candidate elected in the election last preceding the date of contract award that has jurisdiction over this contract award.

c. In accordance with KRS 121.330(3) and (4), and if this is a non-bid contract, to the best of his/her knowledge, neither the contractor, nor any member of his/her immediate family, his/her employer, or his/her employees, or any entity affiliated with any of these entities or individuals, have directly solicited contributions in excess of $30,000 in the aggregate for the campaign of a candidate elected in the election last preceding the date of contract award that has jurisdiction over this contract.

As a duly authorized representative for the bidder, offeror, or contractor, I have fully informed myself regarding the accuracy of all statements made in this affidavit, and acknowledge that the Commonwealth is reasonably relying upon these statements, in making a decision for contract award and any failure to accurately disclose such information may result in contract termination, repayment of funds and other available remedies under law.

_____ _____
Signature Printed Name

_____ _____
Title Date

Company Name _____

Address _____

_____

_____

Subscribed and sworn to before me by _____ _____
(Affiant) (Title)

of _____ this _____day of _____, 20___.
(Company Name)

_____
Notary Public

[seal of notary] My commission expires: _____