

September 20, 2016

**ADDENDUM #3 to Bid Documents for the
Hidalgo County Regional Mobility Authority
Toll System Installation, Integration and Maintenance
Advertised July 10, 2016**

BACKGROUND TO THIS DOCUMENT

Pursuant to Volume 3, Section 2, "General Terms and Provisions", HCRMA is amending the RFP. Requirement changes have been made that impact (increase) the scope of services to be provided by the selected Toll System Integrator (TSI). As such the date for when proposals are due has been changed, as-well-as subsequent dates. The primary change being made in scope is for the TSI to construct the concrete maintenance pads. The details are provided below and in the revised RFP volumes.

The following volume sections have been changed:

- 02-2.4. Automatic Vehicle Detection & Classification System (e.g., smart loop detectors and or overhead scanner/separator) Communications Network
- 03-1. Proposal Schedule
- 03-20.1. Due Date, Time, Location
- 04-1.4. Toll Gantries
- 04-1.11. Physical Security

The following volumes have been updated and published:

- 02_HCRMA-RFP_Project-Description V2
- 03_HCRMA-RFP_General-Provisions V2
- 04_HCRMA-RFP_Infrastructure V2

With the issuance of this addendum, proposals will be accepted by HCRMA through the date and time specified in 03-20.1.

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ORIGINAL RFP CONTENT

02-2.4. Automatic Vehicle Detection & Classification System (e.g., smart loop detectors and or overhead scanner/separator) Communications Network

Future deployed technology may include conduits for future fiber optic backbone. The communication network and required conduits, including the fiber trunk line, will be installed and maintained by HCRMA or its designated representative. The TSI will pull/extend the fiber from the trunk line to the Roadside Cabinet.

1. TSI will construct its own ground boxes and conduits within the TG (Toll Gantry) maintenance concrete pad area. Conduits shall not be surface mounted on the concrete maintenance pad. Conduits will be surface mounted on the TG. Ground boxes as per latest TXDOT ITS standards. HCRMA to build concrete pad after elevations of ground boxes are set. TSI to coordinate with HCRMA.
2. HCRMA to provide ground box along fiber optic trunk-line and a 3" conduit stub-out – 18" long. Ground box/stub out to be located in the vicinity of concrete maintenance pad area. TSI to extend conduit to TG roadside cabinets.
3. TSI to furnish/install surface mounted TG cabinets on TG maintenance pad. TSI will install conduits between roadside cabinet/ground boxes/TG structures.
4. TSI to surface mount toll equipment conduits along TG towers and trusses. Junction boxes will be required when extending wires from the conduits to the toll equipment.
5. HCRMA to provide two-2 inch conduits from electrical service breaker box to the vicinity of the maintenance pad. TSI to extend conduits to TG roadside cabinet. TSI to extend electrical wires from electrical service breaker box to TG roadside cabinet.
6. TSI to install vehicle detectors on roadway concrete pavement and/or overhead structure.

TSI to reference the ITS Tolling PS&E documentation for details on area layout.

Conduits will be installed for TCS purposes and Toll Operations with available capacity for expansion of cabling system for tolling purposes or lease purposes. HCRMA may lease innerducts to others for installation of cables.

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NEW RFP CONTENT

Note: New content has been highlighted in yellow.

02-2.4. Automatic Vehicle Detection & Classification System (e.g., smart loop detectors and or overhead scanner/separator) Communications Network

Future deployed technology may include conduits for future fiber optic backbone. The communication network and required conduits, including the fiber trunk line, will be installed and maintained by HCRMA or its designated representative. The TSI will pull/extend the fiber from the trunk line to the Roadside Cabinet.

1. TSI will construct its own ground boxes and conduits within the TG (Toll Gantry) maintenance concrete pad area.
 - Conduits shall not be surface mounted on the concrete maintenance pad.
 - Conduits will be surface mounted on the TG.
 - Ground boxes as per latest TXDOT ITS standards.
 - TSI to coordinate with HCRMA.
2. HCRMA to provide ground box along fiber optic trunk-line and a 2" conduit stub-out – 10' long. Ground box/stub out to be located in the vicinity of concrete maintenance pad area. TSI to extend conduit to TG roadside cabinets.
3. TSI to furnish/install surface mounted TG cabinets on TG maintenance pad. TSI will install conduits between roadside cabinet/ground boxes/TG structures.
4. TSI to surface mount toll equipment conduits along TG towers and trusses. Junction boxes will be required when extending wires from the conduits to the toll equipment.
5. HCRMA to provide one 2-inch conduit, dedicated for TG, from electrical service breaker box to the vicinity of the maintenance pad. TSI to extend conduit to TG roadside cabinet. TSI to extend electrical wires from electrical service breaker box to TG roadside cabinet.
6. TSI to install vehicle detectors on roadway concrete pavement and/or overhead structure.
7. TSI to construct:
 - Concrete maintenance pads
 - Retaining walls
 - Concrete riprap
 - Concrete toe walls.
8. Concrete Maintenance Pad Construction Requirements:
 - Main lane toll gantries maintenance pad to be concrete riprap 6"x25'x67'
 - Ramp lane toll gantries maintenance pad to be concrete riprap 6"x15'x67'.
 - Maintenance concrete pads to be constructed adjacent to main lanes or ramps.
 - Maintenance pad 6" concrete riprap rebar to be spliced into RW
 - Construction after elevations of ground boxes, conduits and where applicable cabinet foundations are set.
 - HCRMA to provide design drawings for concrete maintenance pad. TSI to coordinate with HCRMA.

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9. Retaining Wall (RW) Construction Requirements:

- RW details as per TXDOT statewide standard RW1(L)C.
- RW is to support maintenance concrete pad
- RW height will be less than or equal to 11'.
- RW to span all sides of the maintenance pad except the side adjacent to the main lanes/ramps.
- HCRMA to provide design drawings for RW. TSI to coordinate with HCRMA.

10. Concrete Riprap/Toe Walls Construction Requirements:

- 4"x6' concrete riprap with 6"x24" toe walls to be constructed adjacent to RW.
- 6"x24" concrete toe wall to be constructed in the side adjacent to main lanes/ramps. Toe walls to span across maintenance pad and 4"x6' riprap
- HCRMA to provide design drawings for concrete riprap/toe walls. TSI to coordinate with HCRMA.

TSI to reference the ITS Tolling PS&E documentation for details on area layout.

Conduits will be installed for TCS purposes and Toll Operations with available capacity for expansion of cabling system for tolling purposes or lease purposes. HCRMA may lease innerducts to others for installation of cables.

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ORIGINAL RFP CONTENT

03-1. Proposal Schedule

The tentative schedule for the RFP process is as follows:

Event or Deadline		Date
By HCRMA	By TSI	
RFP Release to Public		July 10, 2016
Pre-bid Conference		July 21, 2016
	Questions submitted by TSIs via www.civcastusa.com throughout the question period	July 25, 2016 through August 15, 2016
Responses to questions and Addendums provided via www.civcastusa.com throughout the question period		July 25, 2016 through August 29, 2016
	Proposals Due	August 30, 2016 through September 19, 2016
Proposal Evaluations		September 20, 2016 through November 7, 2016
Recommendation to HCRMA Board for Selection		November 8, 2016
Contract Negotiation		November 16, 2016 Through December 12, 2016

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NEW RFP CONTENT

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03-1. Proposal Schedule

The tentative schedule for the RFP process is as follows:

Event or Deadline		Date
By HCRMA	By TSI	
RFP Release to Public		July 10, 2016
Pre-bid Conference		July 21, 2016
	Questions submitted by TSIs via www.civcastusa.com throughout the question period	July 25, 2016 through August 15, 2016
Responses to questions and Addendums provided via www.civcastusa.com throughout the question period		July 25, 2016 through August 29, 2016
	Proposals Due	August 30, 2016 through October 24, 2016
Proposal Evaluations		October 25, 2016 through December 19, 2016
Recommendation to HCRMA Board for Selection		December 20, 2016
Contract Negotiation		December 28, 2016 Through January 23, 2017

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ORIGINAL RFP CONTENT

03-20.1. Due Date, Time, Location

The entire proposal must be packaged together in a sealed, clearly identified package for delivery to the HCRMA. The outside of the package must be labeled with the following information:

1. Hidalgo County Regional Mobility Authority
2. HCRMA Toll Collection System RFP
3. Date and Time of Proposal submission
4. TSI name, contact person, and address

One original, three copies (a total of four sets) shall be delivered in printed form, and one USB drive. Copies of the complete proposal must be received by September 19, 2016 at 3:00 PM, CDT. The USB flash shall contain two copies: one copy in PDF format and the second copy as an MS Word document, except for the Price Proposal Form that is to be in MS Excel. The PDF may be protected against editing. The Word and Excel documents shall be provided without any content restrictions.

Note: The remainder of section 03-20.1. not shown.

NEW RFP CONTENT

Note: Cells containing new content highlighted yellow.

03-20.1. Due Date, Time, Location

The entire proposal must be packaged together in a sealed, clearly identified package for delivery to the HCRMA. The outside of the package must be labeled with the following information:

1. Hidalgo County Regional Mobility Authority
2. HCRMA Toll Collection System RFP
3. Date and Time of Proposal submission
4. TSI name, contact person, and address

One original, three copies (a total of four sets) shall be delivered in printed form, and one USB drive. Copies of the complete proposal must be received by **October 24**, 2016 at 3:00 PM, CST. The USB flash shall contain two copies: one copy in PDF format and the second copy as an MS Word document, except for the Price Proposal Form that is to be in MS Excel. The PDF may be protected against editing. The Word and Excel documents shall be provided without any content restrictions.

Note: The remainder of section 03-20.1. not shown and remains unchanged.

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ORIGINAL RFP CONTENT

04-1.4. Toll Gantries

Note: Content in section 04-1.4. prior to the text shown below not shown.

HCRMA will provide 2 TxDOT 100 mph Overhead Sign Bridge (OSB) Structures for each MTG and 2 TxDOT 100 mph Cantilever Overhead Sign Structures (COSS) for each RTG.

OSB/COSS will be truss type.

OSB and COSS spacing will be 31'

OSB/COSS will provide 23' minimum clearance from pavement to bottom of truss.

TSI to provide 21' minimum vertical clearance from pavement for TCS equipment.

Location of MTG/RTG and details to be included in the ITS and Tolling PS&E

HCRMA will provide conduits stub outs from a ground box, near the vicinity of each maintenance area. TSI to extend to each roadside cabinet foundation. TSI to install fiber optic cables from ground box for communications for MTG/RTG

HCRMA will provide Toll System gantry structures protected by concrete barrier.

HCRMA will provide a maintenance area adjacent to each tolling point for TSI use.

TSI shall coordinate with HCRMA to finalize the TSI proposed TCS design utilizing the HCRMA provided MTG/RTG.

Contractor shall coordinate with HCRMA to finalize their TCS design utilizing the HCRMA provided toll gantries and equipment.

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NEW RFP CONTENT

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04-1.4. Toll Gantries

Note: Content in section 04-1.4. prior to the text shown below not shown and remains unchanged.

HCRMA will provide 2 TxDOT 100 mph Overhead Sign Bridge (OSB) Structures for each MTG and 2 TxDOT 100 mph Cantilever Overhead Sign Structures (COSS) for each RTG.

OSB/COSS will be truss type.

OSB and COSS spacing will be 31'

OSB/COSS will provide **22.5'** minimum clearance from pavement to bottom of truss.

TSI to provide 21' minimum vertical clearance from pavement for TCS equipment.

Location of MTG/RTG and details to be included in the ITS and Tolling PS&E

HCRMA will provide conduits stub outs from a ground box, near the vicinity of each maintenance area. TSI to extend to each roadside cabinet foundation. TSI to install fiber optic cables from ground box for communications for MTG/RTG

HCRMA will provide Toll System gantry structures protected by concrete barrier.

TSI to construct a maintenance concrete pad area adjacent to each tolling point.

TSI shall coordinate with HCRMA to finalize the TSI proposed TCS design utilizing the HCRMA provided MTG/RTG.

Contractor shall coordinate with HCRMA to finalize their TCS design utilizing the HCRMA provided toll gantries and equipment.

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04-1.11. Physical Security

HCRMA will provide 6' high chainlink fence around the perimeter of the TG concrete maintenance pad.

Note: The remainder of section 04-1.11. not shown.

NEW RFP CONTENT

Note: New content has been highlighted in yellow. Only the first paragraph in this section has changed.

04-1.11. Physical Security

TSI to construct a 6 ft high chain link fence around entire perimeter of concrete maintenance pad and a 6'x4' chain link type door. Chain link offset from edge of maintenance concrete pad will be 6"-12" max. Refer to section 02-2.4 for maintenance pad construction requirements.

Note: The remainder of section 04-1.11. not shown and remains unchanged.

END OF ADDENDUM