



**Camino Real Regional Mobility Authority**

**EL PASO STREETCAR SCADA PROJECT**

**ADDENDUM #1**

**June 22, 2020**

**ADDENDUM #1  
POSTED – JUNE 22, 2020**

The above titled procurement is amended through this Addendum #1. **As required by the procurement, all addenda must be acknowledged on the Bid Proposal; failure to do so may be cause for rejection of bid.**

**Contents:**

**Changes to Contract Documents**

1. Replace table of contents sheet (page i) with updated page numbers.
2. Revise Section VII. Notice to Bidders:
  - Replaced page 14 to remove pre-qualification and questionnaire requirement and add reference to debarred/sanctioned contractors.
3. Revise Section VIII. Bid Proposal:
  - Replaced page 16 to add a cost line for Add-Alternate 3 for Warranty & Maintenance Costs.
  - Replaced page 17 to add a line for training in the Base Bid Table and a table for Add-Alternate 3 for Warranty & Maintenance Costs. Removed total bid amount at bottom of page. Removed “Bidders may elect to bid or not bid on any of the following add-alternate and additional work items.”
4. Revise Local Government General Requirements
  - Revised page 38 to change Eligibility of Bidders section to replace TxDOT prequalification requirements with provision regarding debarred or sanctioned contractors.
  - Revised page 44 to revise the Contract Rejection provisions to be permissive.
5. Revise Technical Specifications:
  - Revised page 119 to add: “If communications signal and path are not viable, the SSS shall use alternate frequencies and sites as a relay point” to SECTION 40 66 43 WIRELESS NETWORK Part 3, Execution 3.02 B.1. Path Verification of specification.
  - Revised page 120 to add: “If the unlicensed frequencies are not viable, the SSS shall implement a licensed system” to SECTION 40 66 43 WIRELESS NETWORK Part 3, Execution 3.02 B.2. Path Verification of specification.

[END OF ADDENDUM #1 – ATTACHMENTS BEGIN ON THE FOLLOWING PAGE]

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## NOTICE TO BIDDERS

**ANY BIDDER INTENDING TO BID ON ANY WORK TO BE AWARDED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY MUST NOT BE ON THE TxDOT OR FEDERAL LIST OF DEBARRED/SANCTIONED CONTRACTORS.**

**BID PROPOSAL**

In the space provided below, please enter your total bid amount for this project. Only this figure will be read publicly by the Camino Real Regional Mobility Authority at the public bid opening.

It is understood and agreed by the bidder in signing this proposal that the total bid amount entered below is binding on the bidder and the CRRMA. It is further agreed that the official total bid amount for this proposal will be determined by summing the totals of the base bid, and the bidder's selected add-alternate and additional work totals.

<b>Base Bid</b>	\$ _____
<b>Add-Alternate 1</b>	\$ _____
<b>Add-Alternate 2</b>	\$ _____
<b>Add-Alternate 3</b>	\$ _____
<b>Total Bid Amount</b>	\$ _____

**EL PASO STREETCAR SCADA**

<b>BID SCHEDULE BASE BID: TPSS</b>				
Item #	Estimated Qty	Unit	Description	Total Amount
1	1	LS	Mobilization	
2	1	LS	TPSS A1 SCADA Hardware & Installation	
3	1	LS	TPSS A2 SCADA Hardware & Installation	
4	1	LS	TPSS A3 SCADA Hardware & Installation	
5	1	LS	TPSS A4 SCADA Hardware & Installation	
6	1	LS	TPSS S1 SCADA Hardware & Installation	
7	1	LS	SIEMENS S7 License Software & Development	
8	1	LS	Testing & Startup	
9	1	LS	Training Owner	
<b>BASE BID 1 TOTAL</b>				

**For the following add-alternate and additional work items, CRRMA reserves the right to award work depending on CRRMA's funding availability.**

<b>ADD-ALTERNATE 1: RAIL SWITCH CABINETS</b>				
Item #	Estimated Qty	Unit	Description	Total Amount
1	1.0	LS	Stanton & Franklin Rail Switch Cabinet SCADA Hardware & Installation	
2	1.0	LS	Santa Fe Switch Cabinet SCADA Hardware & Installation	
<b>ADD-ALT 1 TOTAL</b>				

<b>ADD-ALTERNATE 2: MONITORING OCS DISCONNECT &amp; BYPASS SWITCHES</b>				
Item #	Estimated Qty	Unit	Description	Total Amount
1	1.0	LS	DCL-BP1 Monitoring Equipment & Installation	
2	1.0	LS	DCL-BP2 Monitoring Equipment & Installation	
3	1.0	LS	ESL-BP1 Monitoring Equipment & Installation	
4	1.0	LS	ESL-BP2 Monitoring Equipment & Installation	
5	1.0	LS	S1-BP1 Monitoring Equipment & Installation	
6	1.0	LS	S2-BP2 Monitoring Equipment & Installation	
<b>ADD-ALT 2 TOTAL</b>				

<b>ADD-ALTERNATE 3: WARRANTY &amp; MAINTENANCE</b>				
Item #	Estimated Qty	Unit	Description	Total Amount
1	1	YR	Extended Warranty \$ per year beyond 1st year	
2	1	HR	On-Call Maintenance Service (\$ per hour for a technician with a 24-hour response time)	
<b>ADD-ALT 3 TOTAL</b>				

SIGNED \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CAMINO REAL REGIONAL MOBILITY AUTHORITY  
EL PASO STREETCAR SCADA PROJECT

ADDENDUM NO.1  
JUNE 22, 2020

**Item 2L**

**Instructions to Bidders**

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**INTRODUCTION**

Instructions to the Contractor in these specifications are generally written in active voice, imperative mood. The subject of imperative sentences is understood to be “the Contractor.” The Owner’s responsibilities are generally written in passive voice, indicative mood. Phrases such as “as approved,” “unless otherwise approved,” “upon approval,” “as directed,” “as verified,” “as ordered,” and “as determined” refer to actions of the Engineer unless otherwise stated, and it is understood that the directions, orders, or instructions to which they relate are within the limitations of and authorized by the Contract.

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**ELIGIBILITY OF BIDDERS**

Bidders on this project must not be on TxDOT's list of debarred or sanctioned contractors. Refer to TxDOT’s web site for verification.

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**ISSUING BID DOCUMENTS**

Bid Documents may be obtained at CRRMA’s Website, [www.crrma.org](http://www.crrma.org)

Copies will be available in CD format at no cost.

At the time Bid Documents are obtained, Bidder must provide a working e-mail address, so as to receive any addenda or clarification issued by the Owner.

The Owner will not issue bid documents if one or more of the following apply:

- the Bidder is prohibited from rebidding a specific project due to a bid error on the original bid documents,
  - the Bidder failed to enter into a Contract on the original award,
  - the Bidder was defaulted or terminated on the original Contract, unless the Owner terminated for convenience, or
  - the Bidder or a subsidiary or affiliate of the Bidder has received compensation from the Owner to participate in the preparation of the plans or specifications on which the bid or Contract is based.
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**INTERPRETING ESTIMATED QUANTITIES**

The quantities listed in the bid documents are approximate and will be used for the comparison of bids. Payments will be made for actual quantities of work performed in accordance with the Contract.

**Item 3L****Award and Execution of Contract**


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**AWARD OF CONTRACT**

The Owner will award, reject, or defer the Contract within 30 days after the opening of the bid. The Owner reserves the right to reject any or all bids and to waive technicalities in the best interest of the Owner.

**Award.** The Owner will award the Contract to the low Bidder as determined by Article 2.11., “Tabulating Bids.” The Owner may award a Contract to the second lowest Bidder when the following requirements have been met:

- The low Bidder withdraws its bid.
- The low Bidder fails to enter into a contract with the Owner after Award
- The second low Bidder’s unit bid prices are reasonable.

**Rejection.** The Owner may reject the Contract if:

- Collusion may have existed among the Bidders. Collusion participants will not be allowed to bid future bids for the same Contract.
- The bid is mathematically and materially unbalanced. The Bidder will not be allowed to bid future bids for the same Contract.
- The lowest bid is higher than the Owner’s estimate and re-advertising for bids may result in a lower bid.
- Rejection of the Contract is in the best interest of the Owner.

**Deferral.** The Owner may defer the award or rejection of the Contract when deferral is in the best interest of the Owner.

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**RESCINDING OF AWARD**

1. The Owner reserves the right to cancel the award of any Contract before Contract execution with no compensation due when the cancellation is in the best interest of the Owner. The Owner will return the bid guaranty to the Contractor.

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**DISADVANTAGED BUSINESS ENTERPRISE (DBE)/HISTORICALLY UNDERUTILIZED BUSINESS/SMALL BUSINESS ENTERPRISE (SBE)**

2. Submit all DBE/HUB/SBE information in the time frame specified when required by the bid documents.

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**EXECUTION OF CONTRACT**

Provide the following within 15 days after written notification of award of the Contract:

**Contract.** Executed by Contractor and Surety.



- B. Monitor and control required for rail point switches.
- C. Existing Siemens controller may be used in rail point switches if desired.

1.05 Spare Parts

- A. One spare of each item supplied.

**PART 3 EXECUTION**

3.00 GENERAL

- A. Coordinate and schedule work with Owner to minimize disruption and impact.

3.01 INSTALLATION AND START-UP

- A. Perform Site Work and install Communications equipment as shown on Drawings. Install associated equipment including antenna mounts, cable, cable jumpers, connectors and grounding systems.
- B. Install antennas, associated transmission lines, power cabinets, conduit work and any ancillary antenna accessories per this and applicable specifications and as shown on the contract drawings.
  - 1. Directional antennas shall be installed on a 2” pipe mast as indicated on the contract drawings.
  - 2. Provide weather wrapping for all exposed cabling and connectors. Weather wrapping shall be Scotch 3M, cold shrink.
  - 3. Antenna shall be firmly secured utilizing all necessary mounting brackets, clamps, bolts, screws and adapters. Mounting hardware shall be heavy duty rigid stainless steel.
  - 4. Provide cable ground within 24” of antenna to pipe mast.
  - 5. Antennas shall be aligned at each location.
- C. RF connectors shall be installed in accordance with the manufacturer’s installation requirements.
- D. System Start-up and Site Acceptance:
  - 1. Schedule start-up efforts with Owner.

3.02 SCADA SYSTEM SUPPLIER FIELD SERVICES

- A. Provide on-site supervision for installation efforts by a direct full-time employee of the SSS.
- B. Path Verification
  - 1. The preferred method of communications is 900 MHz unlicensed frequency for all remote sites. The SSS shall provide signal path and strength testing from the remote to the 900 MHz Master station located at the Maintenance Facility. If communications signal and path are not viable, the SSS shall use alternate frequencies and sites as a relay point.

2. If the unlicensed frequencies are not viable, the SSS shall implement a licensed system.

### 3.03 RADIO PROGRAMMING, CONFIGURATION AND ADJUSTMENT

#### A. Radio Adjustment:

1. Perform radio manufacturer's maintenance and calibration tests as published in the O&M manuals.
2. Adjust radio parameters to meet the operational limits established by the Owner's FCC license.

#### B. Programming and Configuration

1. Program and configure the radio as required to interface with the existing communications network.
2. Program and configure the routing tables and repeater paths as required to establish communications with the defined SCADA master, repeater and hubs indicated on the drawings.

### 3.04 WIRELESS NETWORK TESTING

### 3.05 PREPARATION

- A. Ensure spare parts and consumables are available to complete the Site Acceptance Test.
- B. Provide Radio Commissioning Binder.

END OF SECTION