

ADDENDUM NO. 2

CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES

PROJECT NAME: **Task Order Contract for Traffic Signal Systems**

DATE: 04/30/2013

ADDENDUM NO.2

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid.

CIMS PROJECT NO.: **23-01346**

Formal Invitation for Bid and Contract:

For clarification purposes:

- The question period has been extended. All questions concerning this bid must be received in writing no later than 4:00 p.m. on Friday, May 3rd. Questions should be directed to Diana Vasquez at Diana.Vasquez@sanantonio.gov.
- Substitute and utilize the revised Form 025 "UNIT PRICING FORM". Items 691.5, 691.6, 691.7, and 691.8 were added to the form and items 686.44 and 686.46 concerning Traffic Signal Pole Assemblies were corrected to indicate that this equipment will be provided by the City.
- The information below is an addition to the existing Project Description and General Notes:

ITEM 691. TRAFFIC SIGNAL COMMUNICATIONS SYSTEM

Wireless access points and wireless bridge equipment and any mounting hardware needed shall be provided by the City of San Antonio for installation by the Contractor. Contractor shall furnish and install CAT 5 ETHERNET CABLE and POWER CABLE FOR WIRELESS ACCESS POINT conforming to the following specifications as called for on the plans:

Item	Vendor	Part No.	Description	Unit
691.7 CAT 5 ETHERNET COMMUNICATION CABLE	GRAYBAR	VNTC 16-3-R10K-BED	27331A 01010000 BELDEN (Pwr Cable)	LF
691.8 POWER CABLE FOR WIRELESS ACCESS POINT	GRAYBAR	7919A 01001000	IND ETH 5E4P24 HLD (Ethernet Cable)	LF

The contractor shall install and orient bridge communication device as specified by city information technology services department (ITSD). The contractor shall relocate, modify bridge position and orientation as directed by ITSD to provide communication. Bridge device has a signal strength aiming system consisting of led strength meter. Led strength meter must reach at least four (4) bars of signal strength for proper operation. The bridge device is to be connected to port 2 on the Ethernet switch.

The contractor shall install and orient wireless access point (AP) communication device as specified by ITSD. The contractor shall relocate, modify AP position and orientation as required to provide suitable signal strength for reliable communications. AP device should be oriented with antennas in a plane that is nominally 45 degrees to the center line of the roadway. The AP device is to be connected to port 1 on the Ethernet switch.

QUESTIONS RECEIVED REGARDING THE ABOVE MENTIONED IFB ARE ANSWERED AS FOLLOWS:

- 1) Has this contract been utilized to full capacity in the past?
 - A. This is a capacity contract and quantities are not guaranteed. However, historically this type of contract has been used to full capacity.
 - 2) Will permits need to be pulled for projects completed under this contract?
 - A. Yes. It will be the contractor's responsibility to pull all necessary permits. Fees will be waived for these projects.
 - 3) Will anchor bolts be provided by the City?
 - A. Yes.
 - 4) Will radar be installed by the Contractor?
 - A. Yes. The item for the installation of radar is included on Form 025. COSA will provide the radar equipment.
 - 5) How will the installation of wireless radio be handled?
 - A. The contractor will be responsible for all cabling associated with the wireless radio and for the installation of the hardware. An item for the installation of wireless radio has been added to Form 025.
 - 6) What does the contractor do with the equipment removed from the existing traffic signals?
 - A. The contractor will be responsible for returning all equipment removed to the City's Traffic Operations Center located at 223 S. Cherry.
 - 7) Concerning the 45-day/task order time allotment, will the City work with the contractor to suspend time for delays caused by obtaining power from CPS Energy?
 - A. Yes. However, the contractor must show that they have been coordinating with CPS in advance of being substantially complete and must have notified the City of this delay.
- Addenda Acknowledgement Form for Addendum 2 is attached herein. This form must be signed and submitted with the bid package.

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Task Order Contract for Traffic Signal System
PROJECT NO. 23-01346

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	103.01		2021	REMOVE CONCRETE CURB	LF	375			
	103.02		2015	REMOVE SIDEWALKS AND DRIVEWAYS	SF	3250			
	104.1			STREET EXCAVATION	CY	70			
	200.01			FLEXIBLE BASE (8" COMP. DEPTH) (TY A)	SY	20			
	203.01			TACK COAT	GAL	25			
	205.04			HOT MIX ASPHALTIC CONC. PAVEMNT,TYPE C(2" COMP DEPTH)	SY	125			
	206.01			ASPHALT TREATED BASE (8" THICK)	SY	175			
	208.01			SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPH. PAVEMENT (2" DEPTH)	SY	75			
	308.06		2031	DRILL SHAFTS (30 IN)	LF	185			
	308.08		2032	DRILL SHAFTS (36 IN)	LF	300			
	308.12		2034	DRILL SHAFTS (48 IN)	LF	55			
	308.26		9000	DRILL SHAFTS (30 IN) (ROCK)	LF	113			
	308.28		9001	DRILL SHAFTS (36 IN) (ROCK)	LF	125			
	308.32		9002	DRILL SHAFTS (48 IN) (ROCK)	LF	55			
	500.01		2021	CONCRETE CURB	LF	250			
	502.01		2004	CONCRETE SIDEWALKS (4")	SY	188			
	502.21		2005	CONCRETE SIDEWALKS (RAMPS) (TYPE 1)	EA	5			
	502.22		2006	CONCRETE SIDEWALKS (RAMPS) (TYPE 2)	EA	25			
	502.24		2008	CONCRETE SIDEWALKS (RAMPS) (TYPE 4)	EA	5			
	502.25		2040	CONCRETE SIDEWALKS (RAMPS) (TYPE 5)	EA	5			
	502.41		2017	CONCRETE SIDEWALKS (RAMPS) (TYPE 21)	EA	5			
	502.42		2014	CONCRETE SIDEWALKS (RAMPS) (TYPE 22)	EA	5			
	502.54			CAST IN PLACE DETECTABLE WARNING SURFACE	EA	10			
	505.01			CONCRETE RIPRAP (5 INCHES THICK)	SY	30			
	506.01			CONCRETE RETAINING WALLS - COMBINATION TYPE	CY	5			
	512.03			VALVE BOX ADJUSTMENTS	EA	5			
	531.98		2060	REMOVE SIGN	EA	10			
	531.99		2048	INSTALL SIGN **	EA	13			
	533.02		2001	ELIMINATE EXISTING PAVEMENT MARKINGS (4 IN)	LF	1375			
	533.06		2003	ELIMINATE EXISTING PAVEMENT MARKINGS (8 IN)	LF	125			
	533.10		2007	ELIMINATE EXISTING PAVEMENT MARKINGS (24 IN)	LF	188			
	533.12		2008	ELIMINATE EXISTING PAVEMENT MARKINGS (ARROW)	EA	15			
	533.14		2009	ELIMINATE EXISTING PAVEMENT MARKINGS (DOUBLE ARROW)	EA	5			
	533.16		2018	ELIMINATE EXISTING PAVEMENT MARKINGS (WORD)	EA	5			
	535.01 (SLD)		2111	4 INCH WIDE YELLOW LINE (SOLID)	LF	4375			

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	535.02 (SLD)		2012	4 INCH WIDE WHITE LINE (SOLID)	LF	150			
	535.02 (SKP)		2003	4 INCH WIDE WHITE LINE (SKIP)	LF	500			
	535.04 (SLD)		2036	8 INCH WIDE WHITE LINE (SOLID)	LF	1250			
	535.07 (SLD)		2048	24 INCH WIDE WHITE LINE (SOLID)	LF	3750			
	535.08 (SLD)		2132	24 INCH WIDE YELLOW LINE (SOLID)	LF	375			
	535.09		2054	PAVEMENT MARKING (ARROW)	EA	38			
	535.10			PAVEMENT MARKING (DOUBLE ARROW)	EA	10			
	535.12		2096	PAVEMENT MARKING (WORD)	EA	15			
	535.30			PAVEMENT MARKING (MEDIAN NOSE)	SF	1100			
	537.06			PAVEMENT MARKER (TYPE I-C)	EA	50			
	537.08			PAVEMENT MARKER (TYPE II A-A)	EA	300			
	537.09			PAVEMENT MARKER (TYPE II C-R)	EA	50			
	552.01			REMOVING AND RELOCATING IRRIGATION SYSTEMS	LF	250			
	618.01		2018	CONDUIT (PVC SCHEDULE 40) (2 IN)	LF	850			
	618.02		2022	CONDUIT (PVC SCHEDULE 40) (3 IN)	LF	2063			
	618.03			CONDUIT (OPEN TRENCH) (PVC SCHEDULE 80) (3 IN)	LF	350			
	618.05		2023	CONDUIT (PVC SCHEDULE 40) (3 IN) (BORE)	LF	6375			
	618.08		9000	CONDUIT (PVC SCHEDULE 40) (3 IN) (BORE) (ROCK)	LF	2500			
	620.06		2009	ELECTRICAL CONDUCTORS (NO. 6) (BARE)	LF	600			
	620.08		2011	ELECTRICAL CONDUCTORS (NO. 8) (BARE)	LF	12500			
	620.16		2010	ELECTRICAL CONDUCTORS (NO. 6) (INSULATED)	LF	575			
	624.25		2008	INSTALL GROUND BOXES TYPE A (122311) W/ APRON **	EA	10			
	624.28			INSTALL GROUND BOXES TYPE D (162922) W/ APRON **	EA	50			
	628.01		2148	ELECTRICAL SERVICE (TYPE D) (120 / 240V)	EA	15			
	628.21			ELECTRICAL SERVICE DISCONNECT	EA	3			
	633.01			BATTERY BACKUP SYSTEM	EA	8			
	655.01			TYPE 332 CONTROLLER FOUNDATION	EA	15			
	680.01		2002	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (ISOLATED) **	EA	15			
	681.01			TEMPORARY TRAFFIC SIGNALS	EA	15			
	682.22		9000	INSTALL VEHICLE SIGNAL HEAD WITH BACK PLATE (3 SEC) **	EA	108			
	682.24		9001	INSTALL VEHICLE SIGNAL HEAD WITH BACK PLATE (4 SEC) **	EA	28			
	682.26		9002	INSTALL VEHICLE SIGNAL HEAD WITH BACK PLATE (5 SEC) **	EA	10			
	682.28		9003	INSTALL PEDESTRIAN SIGNAL HEAD (12 IN) LED (2 IND) **	EA	85			
	684.04		2030	TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (4 CONDUCTOR)	LF	10000			
	684.09		2035	TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (9 CONDUCTOR)	LF	20000			
	685.5			INSTALL SOLAR SCHOOL ZONE FLASHER ASSEM. (ROADSIDE) **	EA	5			
	685.6			INSTALL SOLAR SCHOOL ZONE FLASHER ASSEM. (MAST ARM) **	EA	10			

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	686.32		9004	INSTALL TRAF. SIGNAL POLE ASSEM.(SINGLE MA 20'-32') ILSN**	EA	15			
	686.34		9005	INSTALL TRAF. SIGNAL POLE ASSEM.(SINGLE MA 36'-48') ILSN**	EA	28			
	686.36		9006	INSTALL TRAF. SIGNAL POLE ASSEM. (SINGLE MA > 48') ILSN **	EA	10			
	686.38		9007	INSTALL TRAFFIC SIGNAL POLE ASSEMBLY (DUAL MA) ILSN **	EA	10			
	686.42		2071	INSTALL ROADWAY ILLUMINATION POLE (TYPE ST-20-S) **	EA	5			
	686.44			INSTALL TRAFFIC SIGNAL POLE ASSEM. (SINGLE MA 20' - 32')**	EA	5			
	686.46			INSTALL TRAFFIC SIGNAL POLE ASSEM. (SINGLE MA 36' - 48')**	EA	5			
	687.12		2001	INSTALL PEDESTAL POLE ASSEMBLY **	EA	40			
	688.12		9000	INSTALL PED. DETECT. (2 IN PUSH BUTTON AND SIGN) **	EA	85			
	691.5			INSTALL WIRELESS ACCESS POINT (INSTALL ONLY) **	EA	15			
	691.6			INSTALL WIRELESS BRIDGE (INSTALL ONLY) **	EA	10			
	691.7			CAT 5 ETHERNET COMMUNICATION CABLE	LF	7500			
	691.8			POWER CABLE FOR WIRLEESS ACCESS POINT	LF	3000			
	693.12		9000	INSTALL INTERNALLY LIGHTED STREET NAME SIGN (LED) **	EA	58			
	694.12		9000	INSTALL VIVDS CAMERA ASSEMBLY **	EA	83			
	694.14		2005	INSTALL VIVDS COMMUNICATION CABLE (COAXIAL) **	LF	15000			
	695.12		9000	INSTALL EMERGENCY VEHICLE PREEMPTION DETECTOR **	EA	58			
	695.14		9001	INSTALL EMERGENCY VEHICLE PREEMPTION CABLE **	LF	10000			
	696.12			INSTALL RADAR VEHICLE DETECT. ASSEM. (INSTALL ONLY) **	EA	30			
	696.14			INSTALL RADAR COMMUNICATION CABLE (INSTALL ONLY) **	EA	9000			
	802.01			TREE PRUNING	EA	25			
	6007.01		2001	REMOVING TRAFFIC SIGNALS	EA	5			
				** Equipment to be provided by the City.					

Total Bid Amount: \$ -

_____ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

_____ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____

Title: _____

CITY OF SAN ANTONIO
DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES
CONTRACT SERVICES DIVISION

RECEIPT OF ADDENDUM NUMBER(S) 2 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF Task Order Contract for Traffic Signal Systems FOR WHICH BIDS WILL BE OPENED ON TUESDAY, May 14, 2013 AT 2:00 P.M.

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title