

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City Council approves a deductive change order in the amount of \$453,371.60 to ZTEX Construction, Inc. for Contract No. 2024-0472 (Traffic Signals Improvements). The original contract amount was \$2,557,478.40. The new contract amount, including this charge order and any previous change orders or change quantities notices, is \$2,104,106.80. There is no change in contract time resulting from this change order. The City Manager, or designee, is authorized to execute any documents necessary to carry out the intent of this Resolution.

APPROVED this _____ day of _____ 2025.

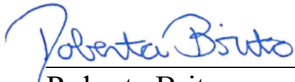
CITY OF EL PASO:

Renard U. Johnson
Mayor

ATTEST:

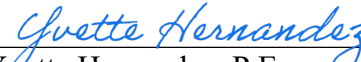
Laura D. Prine
City Clerk

APPROVED AS TO FORM:



Roberta Brito
Senior Assistant City Attorney

APPROVED AS TO CONTENT:



Yvette Hernandez, P.E.
City Engineer

CITY OF EL PASO CHANGE ORDER and CHANGE QUANTITY NOTICE LOG

Project Name:	Paseo del Norte and West Towne Traffic Signals
Solicitation (Contract) No.:	2024-0472
	PEDFY23016
	PCP23D1TSGNLPN7
	PCP23D1FLSHRFR1
Project Number:	PCP23D3TSGNLHW6
PO No.:	2500000161
Contractor:	ZTEX

Original Contract		
Notice to Proceed:		
Substantial Completion Period:	187	Consecutive Calendar Days
Substantial Completion Date:	TBD	
Final Completion Period:	30	Consecutive Calendar Days
Final Completion Date:	TBD	
Contract Amount	\$ 2,557,478.40	
Contingency Budget:	\$ 281,005.54	

Modified Contract		
Total Days Added:	0	Consecutive Calendar Days
Substantial Completion Period:	187	Consecutive Calendar Days
Substantial Completion Date:	TBD	
Final Completion Date:	TBD	
Total Cost Added:	-\$453,371.60	
Remaining Contingency:	\$734,377.14	
Change Order Percentage:	-17.73%	

CO #	Date	Description	Days	Cost
1	5/13/2025	Cellular Modem Credit / Updated electrical service	0	-\$453,371.60
2	1/0/1900	0	0	\$0.00
3	1/0/1900	0	0	\$0.00
4	1/0/1900	0	0	\$0.00
5	1/0/1900	0	0	\$0.00
6	1/0/1900	0	0	\$0.00
7	1/0/1900	0	0	\$0.00
8	1/0/1900	0	0	\$0.00
9	1/0/1900	0	0	\$0.00
10	1/0/1900	0	0	\$0.00
11	1/0/1900	0	0	\$0.00
12	1/0/1900	0	0	\$0.00
13	1/0/1900	0	0	\$0.00
14	1/0/1900	0	0	\$0.00
15	1/0/1900	0	0	\$0.00
16	1/0/1900	0	0	\$0.00
17	1/0/1900	0	0	\$0.00
18	1/0/1900	0	0	\$0.00
19	1/0/1900	0	0	\$0.00
20	1/0/1900	0	0	\$0.00

SUBTOTAL FOR CHANGE ORDERS: 0 -\$453,371.60

CQN #	Date	Description	Days	Cost
1	1/0/1900	0	0	\$0.00
2	1/0/1900	0	0	\$0.00
3	1/0/1900	0	0	\$0.00
4	1/0/1900	0	0	\$0.00
5	1/0/1900	0	0	\$0.00
6	1/0/1900	0	0	\$0.00
7	1/0/1900	0	0	\$0.00
8	1/0/1900	0	0	\$0.00
9	1/0/1900	0	0	\$0.00
10	1/0/1900	0	0	\$0.00

SUBTOTAL FOR CHANGE QUANTITY NOTICES: 0 \$0.00

CITY OF EL PASO CONSTRUCTION CHANGE ORDER

CONSTRUCTION CHANGE ORDER NO.: 1DATE: May 13, 2025PROJECT: Paseo del Norte and West Towne Traffic SignalsSOLICITATION #: 2024-0472☒ SCOPE CHANGE
☐ CONSTRUCTION CHANGE

Original Contract Amount: \$ 2,557,478.40
Net Change by previous Change Orders: \$ -
Net Change by previous Construction Quantity Notices: \$ -
New Amended Contract Amount: \$ 2,104,106.80
Total amount added for this Change Order: \$ (453,371.60)
Change Order Percentage: -17.73%

Original Contract Substantial Completion Date: TBD
Total days added due to Change Orders and CQN's: 0
Total days added for this Change Order: 0
New Substantial Completion Date: TBD

Existing Drawing Reference:

Sheets C43, C43A, C44, C52, C53, C54, C56, C57, C58, and C80 out of C137 dated June 15, 2023.

Existing Specification Reference:

Sections 628 Electrical Services; 620 Electrical Conductors; 441 steel structures; 445 Galvanizing; 449 Anchor bolts; 618 Conduit; 627 Treated timber poles; 656 Foundations for Traffic Control devices

New Drawings/Specifications Reference:

Sheets C43, C43A, C44, C52, C53, C54, and C80 out of C137 dated November 1, 2024.

Sheets C54, C56, C57, C58, and C59 out of C137 dated January 16, 2025.

Specs of the AI-500-085-02 Field Monitoring Unit.

Detailed Scope of Work of the Change Order:**1. Cellular Modem Credit**

Incorporate ASI Sheets C54, C56-59 dated January 16, 2025, within the 2024-0472 Traffic Signal Improvements plans dated June 15, 2023.

Description:

Remove all boring, excavation, conduits, cabling, and ground boxes related to the wired interconnect system from the scope of work. Instead, implement a wireless system AI-500-085-02 Field Monitoring Unit (cellular modem) for the traffic signals at Paseo del Norte and Northern Pass Drive (Base Bid 2).

The above-mentioned changes will be a credit to the City of El Paso in the net amount of \$468,418.60 with no time impact.

2. New Electrical Service

Incorporate ASI Sheets C43, C43A, C44, C52, C53, C54, C80 out of C137 dated November 1, 2024, within the 2024-0472 Traffic Signal Improvements plans dated June 15, 2023.

Description:

Relocate and substitute the overhead electrical service ELEC SRV TY D 120-240 060 (NS)GS(N)GC(O) to underground ELEC SRV TY D 120-240 060 (NS)SS(N)PS(U) from the southwest corner to the southeast corner of Paseo Del Norte Dr. and Northwestern Dr. intersection. The scope of work includes but is not limited to excavation, 2" and 3" PVC conduits, boring, and cabling.

The above-mentioned changes will have a cost impact in the net amount of \$15,047.00 with no time impact.

This amount will be covered by the cellular modem credit and will result in a credit to the City of El Paso in the net amount of \$453,371.60.

Unless specifically noted, this change order addresses all compensation for time and money including all direct and indirect costs associated with the scope of work noted above.

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME: 0TOTAL CHANGE ORDER AMOUNT: -\$453,371.60**CONTRACTOR (OWNER/AUTHORIZED OWNER REPRESENTATIVE)**I, Genaro Roldan, Vice President, of ZTEX Construction, Inc. agree and accept the terms and conditions of this change order.

Signature: _____

Date: 06/02/2025**CITY OF EL PASO (CITY ENGINEER)**I, Yvette Hernandez, P.E. of the City of El Paso hereby authorize and direct the Contractor to proceed with additional work as described in this form.

Signature: _____

Date: _____

CITY OF EL PASO CONSTRUCTION CHANGE ORDER- Pg. 2

CONSTRUCTION CHANGE ORDER NO.: 1 DATE: May 16, 2025 ☒ SCOPE CHANGE
 PROJECT: Paseo del Norte and West Towne Traffic Signals SOLICITATION #: 2024-0472 ☐ CONSTRUCTION CHANGE

Method Utilized for Implementing change:

☒ Unit Bid Prices
☐ Lump Sum
☐ Actual Cost (Force Account)

Identified by: ☒ CID ☐ Contractor ☒ User Dept.

Type of Change Order: ☐ User Request ☒ Value Engineering ☐ CID Initiated
☒ Error & Omission ☐ Differing Site ☐ Contractor Initiated

Contractors Proposal Cost: \$27,300.00
 Final Negotiated Amount: (\$453,371.60)

Time Requested: 0 Consecutive Calendar Days
 Time Justified: 0 Consecutive Calendar Days

Reason/Justification for Change Order:

1. Cellular Modem Credit:

Bored wired interconnect system is specified to be installed from Paseo del Norte and Resler Drive to the intersections at Northern Pass Drive and Mia Canutillo Drive. In coordination with the user department, the possibility appeared to incorporate the new traffic management technology into the project by substituting the wired interconnect system with a wireless cellular modem. This upgrade would improve the monitoring and control of traffic signals by providing 24/7 real-time alerts, allowing for prompt responses to any detected issues or power failures. Timely repairs can therefore be ensured. Additionally, switching from a wired to a wireless system would reduce potential complications with underground utilities during the boring process, as well as minimize potential project delays.

***Price and Time:**

The PM used the contract bid items/bid tab and the quantities table provided by the designer to perform the ROM for an estimated credit total of \$468,019.60. The contractor submitted a proposal (credit) for \$468,418.60, which includes a credit of \$480,019.60 for boring, wiring, and associated work, along with a cost of \$11,601 for furnishing, installing, and programming the wireless modem. The PM determined that this proposal was reasonable based on a comparison with the contractor's proposal.

2. New Electrical Service:

This project has been transferred to CID for construction. During the design process in 2019, coordination was conducted with El Paso Electric (EPE) by the Streets and Maintenance Department. Due to the time elapsed between the completion of the design and the start of construction, CID requested new coordination with EPE to confirm that the approved design remains aligned with EPE's requirements. Upon re-coordination with EPE in 2024, it was determined that recent improvements in the city do not align with the proposed electrical service and its location. As a result, the original overhead service ELEC SRV TY D 120-240 060 (NS)GS(N)GC(O) must be replaced with underground ELEC SRV TY D 120-240 060 (NS)SS(N)PS(U) at the intersection of Paseo Del Norte Dr. and Northwestern Dr. in order to comply with updated EPE's requirements.

***Price and Time:**

The PM used the contract bid items/bid tab and the quantities table provided by the designer to perform the ROM for an estimated total cost of \$12,957.00. The contractor submitted a proposal for \$15,047 which includes the new electrical service, boring, wiring, and associated work. The PM determined the proposal was reasonable based on a comparison of the contractor's proposal.

Attachments: ☐ RFI ☒ Final Contractor proposal ☐ Schedule
☒ RFP ☒ Budget Status Report (PeopleSoft) ☒ Change Order Log
☒ ASI (if applicable) ☒ Independent Cost Estimate ☐ Utility Commitment Letter (if applicable)

AS A RESULT OF THIS CHANGE ORDER, PLEASE MAKE THE FOLLOWING ADJUSTMENT TO THE PURCHASE ORDER:

PO LINE	ADDED AMOUNT	ACCOUNT
2	\$ (453,371.60)	580270

TOTAL NET CHANGE TO PURCHASE ORDER:

-\$453,371.60

C.O. Amount

-\$453,371.60

Additional Funding/Direction:

Project Manager:

Nancy Lopez
 Nancy Lopez

05/16/2025

Date

Division Manager:

Alondra Gurrola
 Alondra Gurrola

5/19/2025

Date

Assistant Director:

Gilbert Guerrero
 Gilbert Guerrero

5/19/2025

Date

CITY OF EL PASO
TRAFFIC SIGNAL DESIGN SERVICES
SUMMARY OF ITEM AND QUANTITY CHANGES FOR BASE BID 2
INTERSECTION OF PASEO DEL NORTE AT NORTHERN PASS

TRAFFIC SIGNALS					
ITEM NO.	DESCRIPTION	UNIT	REVISED QTY	ORIGINAL QTY	DIFFERENCE
158 6005	SPEC EXCAV WORK (ORIGINAL)	CY	0	7	-7
618 6023	CONDT (PVC) (SCH 40) (2")	LF	245	230	15
618 6029	CONDT (PVC) (SCH 40) (3")	LF	60	70	-10
618 6030	CONDT (PVC) (SCH 40) (3") (BORE)	LF	110	7330	-7220
620 6010	ELEC CONDR (NO.6) INSULATED	LF	1115	1105	10
628 6128	ELC SRV TY D 120/240 060(NS)GS(N)GC(O)	EA	0	1	-1
* 628 6151	ELC SRV TY D 120/240 060(NS)SS(N)PS(U)	EA	1	0	1
684 6007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF	732	912	-180
684 6010	TRF SIG CBL (TY A)(12 AWG)(5 CONDR)	LF	1188	1428	-240
684 6012	TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	LF	508	498	10
684 6017	TRF SIG CBL (TY A)(12 AWG)(12 CONDR)	LF	565	585	-20
6004 6054	ITS COM CBL (UNDRGRND)(19 AWG/12 PR)	LF	0	7375	-7375
6186 6001	ITS GND BOX(PCAST) TY 1 (243636)	EA	0	26	-26
6306 6007	VIVDS CABLING	LF	719	739	-20

* New item for Base Bid 2

Table of Quantities



RFP#1 - Electrical Service

CAPITAL IMPROVEMENT DEPARTMENT

March 17, 2025

MAYOR

Oscar Leaser

ZTEX Construction Inc.
Attn: Ezri Navarro
1326 Henry Brennan Dr.
El Paso, TX 79936

CITY COUNCIL

District 1

Brian Kennedy

Subject: 2024-0472 Traffic Signals – RFP #1R Drawings revision.

Dear Mr. Navarro,

District 2

Dr. Josh Acevedo

You are requested to submit a cost proposal by 4:00 PM on Tuesday, March 21, 2025, to incorporate the changes outlined on the following revised sheets:

District 3

Cassandra Hernandez

District 4

Joe Molinar

District 5

Isabel Salcido

District 6

Art Fierro

1. C 43 of C 137 dated 11/01/2024.
2. C 43A of C137 dated 11/01/2024.
3. C 44 of C 137 dated 11/01/2024.
4. C 52 of C 137 dated 11/01/2024.
5. C 53 of C 137 dated 11/01/2024.
6. C 54 of C 137 dated 11/01/2024.
7. C 80 of C 137 dated 11/01/2024.

District 7

Henry Rivera

Scope of work:

District 8

Chris Canales

- Relocation of the proposed electrical service and all associated conduits & cables.

Attachments:

CITY MANAGER

Dionne Mack

- Exhibits A, B, C, and D - Quantities
- 2024-0472 Traffic Signal revised drawings dated 11/01/2024.

Your proposal shall contain a complete itemized breakdown in sufficient detail to permit an analysis of all material, labor, equipment, subcontractor cost (if applicable), and markups. State additional time required, if necessary. Justify your request with a description of the delays, which you anticipate. Support your position with a marked-up progress chart depicting the impact of this proposed change on the original contract work.

Sincerely,

Alondra Gurrola

Nancy Lopez – Engineer Associate

Capital Improvement Department | 218 N. Campbell | El Paso, TX 79901

C: (915) 979-7954 | Email: Lopezni@elpasotexas.gov

NL

Yvette Hernandez, P.E., – City Engineer

City 2 | 218 N. Campbell, 2nd Floor | El Paso, Texas 79901 | (915) 212-0065



DELIVERING EXCEPTIONAL SERVICES

EXHIBIT A

CONDUIT AND CABLE SCHEDULE													
RUN NO.	CONDUIT STATUS	CONDUIT				POWER			PED PUSH BUTTONS CNDR	SIGNAL AND PED HEAD CNDR		VIVDS CABLING	LENGTH OF RUN
		ITEM 618 SIZE/TYPE CONDUIT				ELEC CNDR (NO. 12) BARE	ELEC CNDR (NO. 2) BARE	ELEC CNDR (NO. 2) INSUL	TRF SIG CBL (TY A) (18 AWG) (2 CNDR)	TRF SIG CBL (TY A) (12 AWG) (5 CNDR)	TRF SIG CBL (TY A) (12 AWG) (19 CNDR)	TRF SIG CBL (TY A) (18 AWG) (3 CNDR) W/COAXIAL	
		TRENCHED		BORED									
		PVC SCHD 40 (2")	PVC SCHD 40 (3")	PVC SCHD 40 (2")	PVC SCHD 40 (3")								
1	I			1				3					120
2	I			1				3					325
3	I			1				3					347
4	I			1				3					70
5	I	1						3					70
6	I	2	2					6	8	10	3	3	11
7	I	1	2					3	8	10	3	3	31
8	I	2						2	1	1	1	1	9
9	I	1	2					3	4	5	2	2	68
10	I	2						2	1	1	1	1	10
11	I			1	1			2	3	4	1	1	56
12	I	1						1	1	2			13
13	I			1	1			2	2	2	1	1	56
14	I	1						1	2	1			23
15	I	2						2	1	1	1	1	12
16													69
17	I	1						1	1	1			11
18	I	1						1	1	1			17
19	I			1				1	2	2			68
20	I	1						1	1	2			15
21	I			1				1	3	4			44
22	I			1				3					20
TOTAL		332	220	1106	112	0	0	3762	1289	1546	405	405	

EXHIBIT B

CONDUIT AND CONDUCTOR SUMMARY													
RUN NO.	LENGTH (FT)	ELECTRICAL CONDUCTORS		NUMBER OF CONDUCTORS						CONDUIT			
		NO. 6 (INSULATED) (POWER)	NO. 6 (INSULATED) (GROUND)	TRF SIG CBL (12 AWG) (2 CONDR)	TRF SIG CBL (12 AWG) (5 CONDR)	TRF SIG CBL (12 AWG) (7 CONDR)	TRF SIG CBL (12 AWG) (12 CONDR)	VIVDS COMM CABLE (COAXIAL)	VIVDS POWER CBL (16 AWG) (3 CONDR) **	TRENCHED		BORED	
										PVC SCH 40 (2")	PVC SCH 40 (3")	PVC SCH 40 (2")	PVC SCH 40 (3")
1	10	2	1							1			
2	10	2	1							1			
3	30		4	6	8	2	3	3	3	2	2		
4	45		2			1	1	1	1	2			
5	20		1	1	1					1			
6	10		1	1	1					1			
7	55		2	2	3	1	2	2	2			1	1
8	10		1	1	2					1			
9	55		2	1	1	1	2	2	2			1	1
10	5		1	1	1					1			
11	25		2			1	2	2	2			2	
12	90		2			1	1	1	1			2	
13	10		2			1	1	1	1			2	
14	60		1	2	3							1	
15	10		1	1	2					1			
16	65		1	1	1							1	
17	15		1	1	1					1			
18	5	2	1							1			
TOTAL (FT)		80	1035	690	915	380	565	565	565	245	60	485	110

** SUBSIDIARY TO ITEM 6306-6907 "VIVDS CABLING", FOR CONTRACTOR'S INFORMATION ONLY.

NOTE: ALL CONDUCTOR RUNS INCLUDE 5' OF SLACK

EXHIBIT C

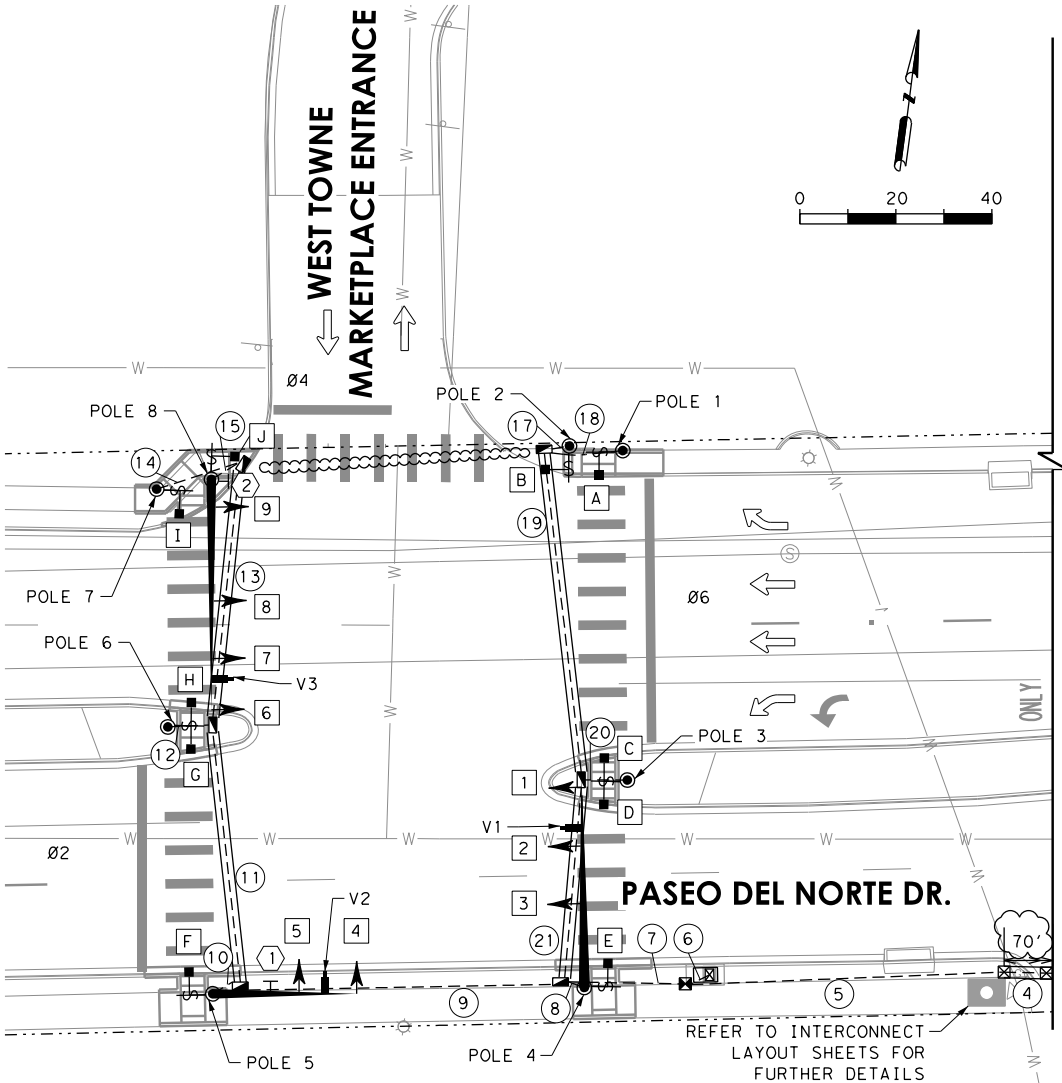
TRAFFIC SIGNAL QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
416 6031	DRILL SHAFT (TRF SIG POLE) (30 IN)	LF	12
416 6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	28
618 6023	CONDT (PVC) (SCH 40) (2")	LF	245
618 6024	CONDT (PVC) (SCH 40) (2") (BORE)	LF	485
618 6029	CONDT (PVC) (SCH 40) (3")	LF	60
618 6030	CONDT (PVC) (SCH 40) (3") (BORE)	LF	110
620 6010	ELEC CONDR (NO.6) INSULATED	LF	1115
624 6009	GROUND BOX TY D (162922)	EA	4
624 6010	GROUND BOX TY D (162922) W/ APRON	EA	3
628 6151	ELC SRV TY D 120/240 060(NS)SS(N)PS(U)	EA	1
680 6003	INSTALL HWY TRF SIG (SYSTEM)	EA	1
	* 170 TRAFFIC SIGNAL CONTROLLER IN CABINET	EA	1
	* CONTROLLER FOUNDATION	EA	1
	* ROD, 5/8" X 10' COPPER GROUND (CONTROLLER ONLY)	EA	1
	* SIGN, STREET NAME (PASEO DEL NORTE)	EA	2
	* SIGN, STREET NAME (NORTHERN PASS)	EA	1
	* SIGN, (30"x30") (R10-17T)	EA	1
	* SIGN, (30"x30") (R10-17T(MOD))	EA	1
	* SIGN, (30"x36") (R3-5R)	EA	1
	* SIGN, (30"x36") (R3-5L)	EA	1
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eR)	EA	2
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eL)	EA	2
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eL/R)	EA	2
682 6001	VEH SIG SEC (12")LED(GRN)	EA	6
682 6002	VEH SIG SEC (12")LED(GRN ARW)	EA	2
682 6003	VEH SIG SEC (12")LED(YEL)	EA	6
682 6004	VEH SIG SEC (12")LED(YEL ARW)	EA	4
682 6005	VEH SIG SEC (12")LED(RED)	EA	6
682 6006	VEH SIG SEC (12")LED(RED ARW)	EA	2
682 6023	BACK PLATE (12") (3 SEC)	EA	6
682 6024	BACK PLATE (12") (4 SEC)	EA	2
684 6007	TRF SIG CBL (TY A) (12 AWG) (2 CONDR)	LF	732
684 6010	TRF SIG CBL (TY A) (12 AWG) (5 CONDR)	LF	1188
684 6012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	LF	508
684 6017	TRF SIG CBL (TY A) (12 AWG) (12 CONDR)	LF	565
686 6033	INS TRF SIG PL AM(S)1 ARM(32')	EA	1
686 6045	INS TRF SIG PL AM(S)1 ARM(44')	EA	1
686 6049	INS TRF SIG PL AM(S)1 ARM(48')	EA	1
6306 6001	VIVDS PROSR SYS	EA	1
6306 6002	VIVDS CAM ASSY FXD LNS	EA	3
6306 6005	VIVDS CNTRL SOFTWARE	EA	1
6306 6007	VIVDS CABLING	LF	719
	**VIVDS POWER CABLE (16 AWG) (3 CONDR)	LF	719

* SUBSIDIARY TO ITEM 0680 6003 "INSTALL HWY TRF SIG (SYSTEM)"

**SUBSIDIARY TO ITEM 6306 6007 "VIVDS CABLING". FOR CONTRACTOR'S INFORMATION ONLY.

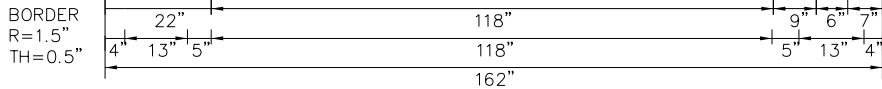
EXHIBIT D

ELECTRICAL SERVICE DATA													
BASE BID NO.	Sheet No.	Electrical Service Description 	Service Conduit Size	Service Conductors No. / Size	Safety Switch Amps	Main Ckt. Bkr. Pole / Amp	Two-Pole Contactor Amps	Panelboard / Loadcenter Amp Rating	Circuit No.	Branch Ckt. Bkr. Pole / Amps	Branch Circuit Amps	Minimum Wire Size	KVA Load
1	PASEO DEL NORTE AT WEST TOWNE MARKETPLACE ENTRANCE	ELEC SERV TY D (120/240) 060 (NS) SS (N) PS (U)	2"	3/#4	N/A	2P/60	N/A	100	SIGNALS	1P/50	40	#6	4.8
2	PASEO DEL NORTE @ NORTHERN PASS DR TRAFFIC SIGNAL LAYOUT	ELEC SERV TY D (120/240) 060 (NS) SS (N) PS (U)	2"	3/#4	N/A	2P/60	N/A	100	SIG. CONTROLLER	1P/50	40		4.8
3	ADVANCE SCHOOL FLASHER FRONTERA RD @ ROXBURY DR TRAFFIC SIGNAL LAYOUT	ELEC SERV TY D (120/240) 060 (NS) GS (N) GC (O)	2"	3/#4	N/A	2P/60	N/A	100	SIG. CONTROLLER	1P/50	40		4.8
4	HAWKINS BLVD @ WH BURGESS DR TRAFFIC SIGNAL LAYOUT	ELEC SERV TY D (120/240) 060 (NS) GS (N) GC (O)	2"	3/#4	N/A	2P/60	N/A	100	SIG. CONTROLLER	1P/50	40		4.8



(CONTINUE ON NEXT SHEET)

7700 Paseo Del Norte Dr 7800



1 MOUNT ON MAST ARM AT TRAFFIC SIGNAL POLE 5

R3-5R (30"X36")

2 MOUNT ON MAST ARM AT TRAFFIC SIGNAL POLE 8

SIGNAL HEAD SCHEDULE

SIGNAL	DESCRIPTION
	12" HORIZONTAL 3 SECTION LED HEAD WITH BACKPLATE
1, 2, 3, 4, 5, 6, 7, 8, 9	

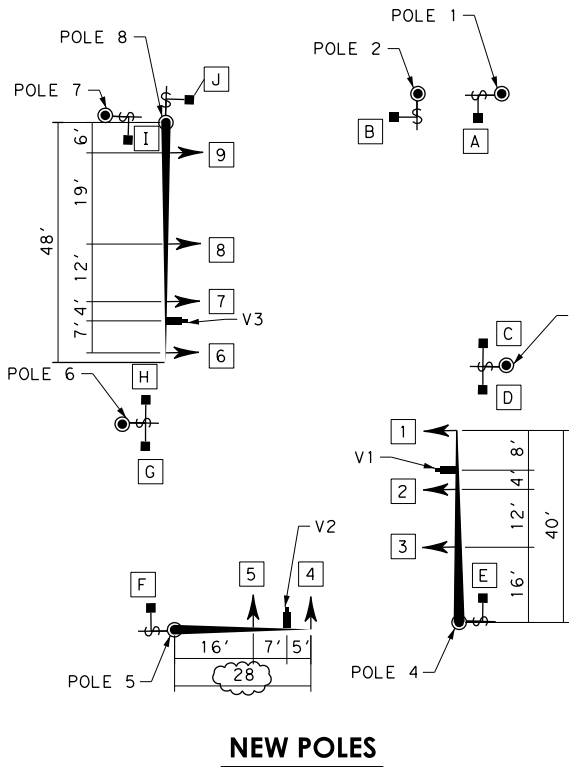
WARNING!
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHETHER INDICATED ON THE DRAWINGS OR NOT, TO VERIFY THE LOCATION, DEPTH, AND CONDITION OF ALL EXISTING UTILITIES AND SUBSTRUCTURES AND PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL CONTACT ALL THE UTILITY COMPANIES AND CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION.

WARNING!
BEFORE YOU DIG

CONTRACTOR SHALL
FIELD LOCATE ALL EXISTING
UNDERGROUND IMPROVEMENTS
IN PROJECT AREA

UTILITY LOCATOR SERVICES

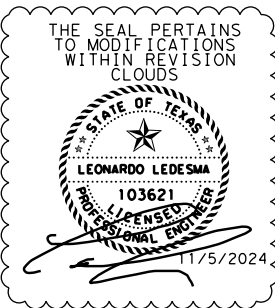
TEXAS811	811
CITY OF EL PASO	
STREETS AND MAINTENANCE	1-915-212-0118
CAPITAL IMPROVEMENT DEPT	1-915-212-0065
EL PASO WATER UTILITIES	1-915-594-5500
TEXAS GAS SERVICE	1-800-700-2443
EL PASO NATURAL GAS	1-800-334-8047
AT&T	1-800-924-9420
EL PASO ELECTRIC COMPANY	1-800-252-1133
SPECTRUM	1-915-772-1123
LINE SPOTS	LINESPOTS@ELPASOTEXAS.GOV



PHASE RING DIAGRAM

PASEO DEL NORTE DR.		WEST TOWNE MARKETPLACE	
Ø1	Ø2	Ø3	Ø4
N/U		N/U	
N/U		N/U	N/U
Ø5	Ø6	Ø7	Ø8
COMPATIBILITY LINE			

	PEDESTRIAN PHASE
	PERMISSIVE PHASE
	PROTECTED PHASE
N/U	NOT USED



LEGEND

- PROPOSED MAST ARM/SIGNAL POLE
- PROPOSED PEDESTAL POLE
- PROPOSED SIGNAL HEAD WITH BACKPLATE
- PROPOSED PEDESTRIAN HEAD
- PROPOSED PEDESTRIAN PUSH BUTTON
- PROPOSED GROUND BOX TYPE A
- PROPOSED GROUND BOX TYPE C
- PROPOSED GROUND BOX TYPE D
- PROPOSED CONDUIT
- PROPOSED CONDUIT (BORE)
- PROPOSED SIGN ON MAST ARM/POLE
- PROPOSED RUN NUMBER
- PROPOSED SIGNAL HEAD NUMBER
- PROPOSED ELECTRICAL SERVICE
- PROPOSED VIVDS
- PROPOSED TRAFFIC SIGNAL CABINET WITH 170 CONTROLLER
- PROPOSED ELECTRICAL TRANSFORMER
- EXISTING POWER SOURCE
- TRAFFIC FLOW
- EXIST RIGHT OF WAY

NOTES:

- THE LOCATION OF THE SIGNAL POLES AND FIXTURES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED BY THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS. EXACT LOCATION OF SIGNAL POLES, CONTROLLER, ETC. TO BE APPROVED BY THE ENGINEER IN THE FIELD.
- INTERVAL TIMING TO BE PROVIDED BY THE CITY OF EL PASO.
- PROPOSED SIGNS MOUNTED ON SIGNAL MAST ARM/POLE SHALL BE BANDED. DRILLING THROUGH MAST ARM OR POLE WILL NOT BE ACCEPTED.
- BACK OF CABINET SHOULD FACE THE ROADWAY.
- NEW TRAFFIC SIGNAL INSTALLATION SHALL INCLUDE A MODEL 170 TRAFFIC CONTROLLER, ALL FOUNDATIONS, MAST ARMS OF THE REQUIRED LENGTHS HAVING A NOMINAL HEIGHT CLEARANCE OF 18', PEDESTRIAN POLES WITH TRANSFORMER BASES, SIGNAL HEADS, PEDESTRIAN SIGNALS, ALL CONDUIT OF THE SIZES AND LENGTHS SHOWN, ALL TRAFFIC CONDUCTORS, ALL ELECTRICAL POWER SOURCE CONDUCTORS, AND GROUND BOXES AS SHOWN ON PLANS.
- SEE STANDARDS AND MISCELLANEOUS TRAFFIC SIGNAL DETAILS FOR FURTHER DETAILS ON SIGNAL POLES AND MAST ARMS.
- ALL SIGNAL HEADS AND PEDESTRIAN HEADS SHALL HAVE LED LIGHTS. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN PEDESTRIAN SIGNALS. SEE STANDARDS AND MISCELLANEOUS TRAFFIC SIGNAL DETAILS FOR FURTHER DETAIL.
- SEE MAST ARM SIGN DETAILS SHEET FOR FURTHER DETAILS ON SIGNAGE.
- SALVAGED MATERIALS SHALL BE RETURNED TO STREETS AND MAINTENANCE, 7968 SAN PAULO DRIVE, EL PASO, TEXAS 79907. POINT OF CONTACT TONY DO (915-212-7021).
- PROPOSED PUSH BUTTONS SHALL BE PLACED ADJACENT TO A LEVEL LANDING AREA (2% MAX. SLOPE IN ALL DIRECTIONS), AND 18" MAX DISTANCE FROM LANDING.
- ALL TRAFFIC SIGNAL HEADS SHALL INCLUDE A 5" BACKPLATE. BACKPLATES SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. REFER TO TRAFFIC SIGNAL DETAILS.
- THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 5 FT MIN.
- SEE INTERCONNECT LAYOUT FOR FURTHER INFORMATION ON INTERCONNECT CONDUIT, WIRES AND GROUND BOXES.
- ALL GROUND BOXES SHALL BE INSTALLED WITH EXPANSION JOINT MATERIAL AROUND IT.

REFERENCES - BENCHMARKS

FILE:

FIRM'S NAME

ENGINEER'S SEAL

SCALE

COEP TRAFFIC SIGNAL DESIGN SERVICES

STREET AND MAINTENANCE

HNTB
HNTB Corporation
The HNTB Companies
Infrastructure Solutions
Firm Registration Number 420
10000 North Loop West, Suite 620
El Paso, TX 79907
(915) 887-0875

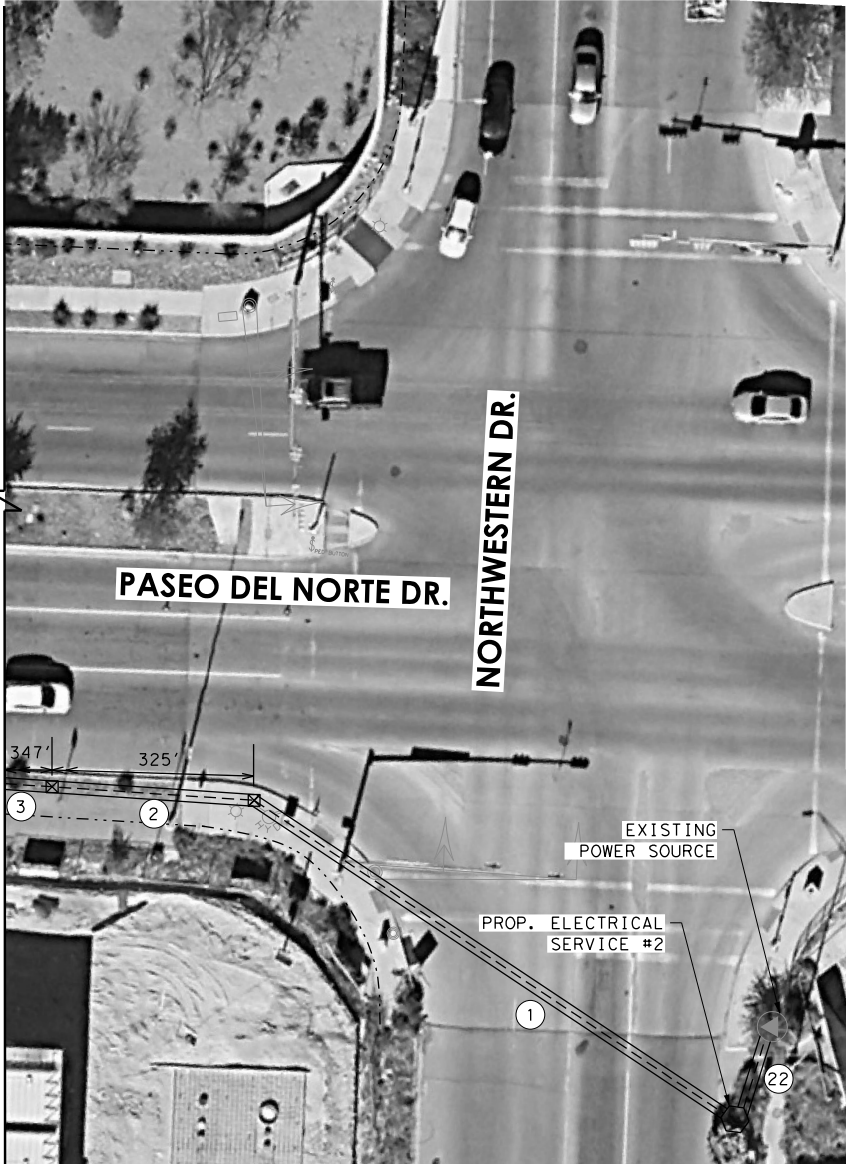
DATE: 11/5/2024
DESIGN BY: FRANCISCO J. OROPEZA
DRAWN BY: [blank]
CHKD. BY: [blank]
APPRD. BY: [blank]

**PASEO DEL NORTE
AT WEST TOWNE
MARKETPLACE ENTRANCE
TRAFFIC SIGNAL PLAN**

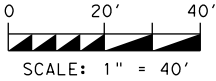
CITY OF EL PASO
7968 SAN PAULO DRIVE
EL PASO, TEXAS 79907
TELE: 915.212.0118
FAX: 915.212.0119

SHEET NO:
C 43 OF C 137

238752

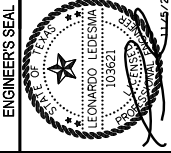


- LEGEND**
- PROPOSED MAST ARM/SIGNAL POLE
 - PROPOSED PEDESTAL POLE
 - PROPOSED SIGNAL HEAD WITH BACKPLATE
 - PROPOSED PEDESTRIAN HEAD
 - PROPOSED PEDESTRIAN PUSH BUTTON
 - PROPOSED GROUND BOX TYPE A
 - PROPOSED GROUND BOX TYPE C
 - PROPOSED GROUND BOX TYPE D
 - PROPOSED CONDUIT
 - PROPOSED CONDUIT (BORE)
 - PROPOSED SIGN ON MAST ARM/POLE
 - PROPOSED RUN NUMBER
 - PROPOSED SIGNAL HEAD NUMBER
 - PROPOSED ELECTRICAL SERVICE
 - PROPOSED VIVDS
 - PROPOSED TRAFFIC SIGNAL CABINET WITH 170 CONTROLLER
 - PROPOSED ELECTRICAL TRANSFORMER
 - EXISTING POWER SOURCE
 - TRAFFIC FLOW
 - EXIST RIGHT OF WAY



LEGEND

REFERENCES - BENCHMARKS			
FILE:	DATE	REVISIONS	BY
	11.01.24	Re-location of Service and Buns	L-L



SCALE		DATE	
HOR:	1"=40'	DESIGN BY	11/5/2024
VER:	N/A	DRAWN BY	
		CHECK BY	
		APPD BY	

PROJECT NAME
INSTALLATION
OF TRAFFIC SIGNALS



consor
F-12040
1501 N. MESA STE #200, EL PASO, TX 79902
PHONE: (915) 313-3680

SHEET TITLE
BASE BID 1-
PASEO DEL NORTE
AT WEST TOWNE
MARKETPLACE ENTRANCE
TRAFFIC SIGNAL PLAN

SHEET
C 43A of C 137

CONDUIT AND CABLE SCHEDULE													
RUN NO.	CONDUIT STATUS	CONDUIT				POWER			PED PUSH BUTTONS CNDR	SIGNAL AND PED HEAD CNDR		VIVDS CABLING	LENGTH OF RUN
		ITEM 618 SIZE/TYPE CONDUIT				ELEC CNDR (NO. 12) BARE	ELEC CNDR (NO. 2) BARE	ELEC CNDR (NO. 2) INSUL	TRF SIG CBL (TY A) (18 AWG) (2 CNDR)	TRF SIG CBL (TY A) (12 AWG) (5 CNDR)	TRF SIG CBL (TY A) (12 AWG) (19 CNDR)	TRF SIG CBL (TY A) (18 AWG) (3 CNDR) W/COAXIAL	
		TRENCHED		BORED									
		PVC SCHD 40 (2")	PVC SCHD 40 (3")	PVC SCHD 40 (2")	PVC SCHD 40 (3")								
1	I			1				3					120
2	I			1				3					325
3	I			1				3					347
4	I			1				3					70
5	I	1						3					70
6	I	2	2					6	8	10	3	3	11
7	I	1	2					3	8	10	3	3	31
8	I	2						2	1	1	1	1	9
9	I	1	2					3	4	5	2	2	68
10	I	2						2	1	1	1	1	10
11	I			1	1			2	3	4	1	1	56
12	I	1						1	1	2			13
13	I			1	1			2	2	2	1	1	56
14	I	1						1	2	1			23
15	I	2						2	1	1	1	1	12
16													69
17	I	1						1	1	1			11
18	I	1						1	1	1			17
19	I			1				1	2	2			68
20	I	1						1	1	2			15
21	I			1				1	3	4			44
22	I			1				3					20
TOTAL		332	220	1106	112	0	0	3762	1289	1546	405	405	

STATUS: E= EXISTING, I= INSTALL

- NOTES:
- 1. RUN POWER WIRES AND SIGNAL CABLES IN SEPARATE CONDUIT FROM SIGNAL AND LUMINAIRE CABLES

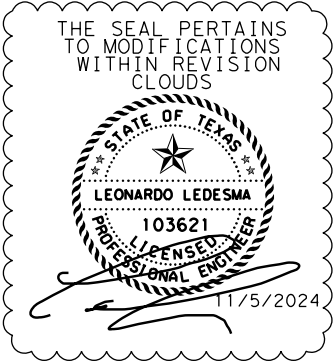
CONDUCTOR FROM BASE TO SIGNAL HEAD											
POLE ID	VEHICLE SIGNAL HEAD NO.									SUB-TOTAL (FT)	CONDUCTOR TYPE
	1	2	3	4	5	6	7	8	9		
POLE 4	64	52	40							156	(TY A) (9 CNDR) (12 AWG)
POLE 5				52	40					92	(TY A) (9 CNDR) (12 AWG)
POLE 8						72	61	49	30	212	(TY A) (9 CNDR) (12 AWG)
TOTAL										460	

CONDUCTOR FROM BASE TO VIVDS CAMERA					
POLE ID	VIVDS NO.			SUB-TOTAL (FT)	CONDUCTOR TYPE
	V1	V2	V3		
POLE 4	56			56	TRF SIG CBL (TY A) (18 AWG) (3 CNDR) W/COAXIAL
POLE 5		47		47	TRF SIG CBL (TY A) (18 AWG) (3 CNDR) W/COAXIAL
POLE 8			65	65	TRF SIG CBL (TY A) (18 AWG) (3 CNDR) W/COAXIAL
TOTAL				168	

CONDUCTOR FROM BASE TO PEDESTRIAN HEAD												
POLE ID	PEDESTRIAN HEAD NO.										SUB-TOTAL (FT)	CONDUCTOR TYPE
	A	B	C	D	E	F	G	H	I	J		
POLE 1	16										16	(TY A) (5 CNDR) (12 AWG)
POLE 2		16									16	(TY A) (5 CNDR) (12 AWG)
POLE 3			16	16							32	(TY A) (5 CNDR) (12 AWG)
POLE 4					16						16	(TY A) (5 CNDR) (12 AWG)
POLE 5						16					16	(TY A) (5 CNDR) (12 AWG)
POLE 6							16	16			32	(TY A) (5 CNDR) (12 AWG)
POLE 7									16		16	(TY A) (5 CNDR) (12 AWG)
POLE 8										16	16	(TY A) (5 CNDR) (12 AWG)
TOTAL											160	

CONDUCTOR FROM BASE TO TOUCHLESS PEDESTRIAN DETECTOR			
POLE ID	PUSH BUTTON	SUB-TOTAL (FT)	CONDUCTOR TYPE
POLE 1	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 2	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 3	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 4	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 5	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 6	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 7	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 8	5	5	(TY A) (2 CNDR) (18 AWG)
TOTAL		40	

CONDUCTOR FROM BASE TO PUSH BUTTON			
POLE ID	PUSH BUTTON	SUB-TOTAL (FT)	CONDUCTOR TYPE
POLE 1	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 2	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 3	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 4	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 5	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 6	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 7	5	5	(TY A) (2 CNDR) (18 AWG)
POLE 8	5	5	(TY A) (2 CNDR) (18 AWG)
TOTAL		40	



STREET AND MAINTENANCE

CITY OF EL PASO

7968 SAN PAULO DRIVE
EL PASO, TEXAS 79907
TELE: 915.212.0118
FAX: 915.212.0119

SHEET NO:
C 44 OF C 137

COEP TRAFFIC SIGNAL DESIGN SERVICES

PASEO DEL NORTE AT
WEST TOWNE MARKETPLACE
TRAFFIC SIGNAL PLAN
QUANTITIES

ENGINEER'S SEAL

FIRM'S NAME

HNTB Corporation
The HNTB Companies
Infrastructure Solutions
Firm Registration Number 420
10000 North Loop West, Suite 620
El Paso, TX 79907
(915) 887-0875

REFERENCES -- BENCHMARKS

FILE:

DATE
REVISES
BY

CONDUIT AND CONDUCTOR SUMMARY													
RUN NO.	LENGTH (FT)	ELECTRICAL CONDUCTORS		NUMBER OF CONDUCTORS						CONDUIT			
		NO. 6 (INSULATED) (POWER)	NO. 6 (INSULATED) (GROUND)	TRF SIG CBL (12 AWG) (2 CONDR)	TRF SIG CBL (12 AWG) (5 CONDR)	TRF SIG CBL (12 AWG) (7 CONDR)	TRF SIG CBL (12 AWG) (12 CONDR)	VIVDS COMM CABLE (COAXIAL)	VIVDS POWER CBL (16 AWG) (3 CONDR) **	TRENCHED		BORED	
										PVC SCH 40 (2")	PVC SCH 40 (3")	PVC SCH 40 (2")	PVC SCH 40 (3")
1	10	2	1							1			
2	10	2	1							1			
3	30		4	6	8	2	3	3	3	2	2		
4	45		2			1	1	1	1	2			
5	26		1							1			
6	10		1	1	1					1			
7	55		2	2	3	1	2	2	2			1	1
8	10		1	1	2					1			
9	55		2	1	1	1	2	2	2			1	1
10	5		1	1	1					1			
11	25		2			1	2	2	2			2	
12	90		2			1	1	1	1			2	
13	10		2			1	1	1	1			2	
14	60		1	2	3							1	
15	10		1	1	2					1			
16	65		1	1	1							1	
17	15		1							1			
18	5	2	1							1			
TOTAL (FT)		80	1035	690	915	380	565	565	565	245	60	485	110

** SUBSIDIARY TO ITEM 6306 6007 "VIVDS CABLING". FOR CONTRACTOR'S INFORMATION ONLY.
NOTE: ALL CONDUCTOR RUNS INCLUDE 5' OF SLACK

CONDUCTOR FROM POLE BASE TO SIGNAL HEAD			
POLE NO.	VEHICLE SIGNAL HEAD NO.	TRF SIG CBL (12 AWG) (5 CONDR)	TRF SIG CBL (12 AWG) (7 CONDR)
P1	1	40	
	2	14	
	3		66
P8	4	27	
	5	23	
P9	6	36	
	7	13	
	8		62
TOTAL (FT)		153	128

CONDUCTOR FROM POLE BASE TO PEDESTRIAN PUSH BUTTON		
POLE NO.	PED PUSH BUTTON NO.	TRF SIG CBL (12 AWG) (2 CONDR)
P2	PB1	7
P3	PB2	7
P4	PB3	7
P5	PB4	7
P6	PB5	7
P7	PB6	7
TOTAL (FT)		42

CONDUCTOR FROM POLE BASE TO PEDESTRIAN SIGNAL HEAD		
POLE NO.	PED SIGNAL HEAD NO.	TRF SIG CBL (12 AWG) (5 CONDR)
P2	W1	15
P3	W2	15
P4	W3	15
	W4	15
P5	W5	15
P6	W6	15
	W7	15
P7	W8	15
TOTAL (FT)		120

CONDUCTORS FROM POLE BASE TO VIVDS			
POLE NO.	VIVDS NO.	VIVDS COMM CABLE (COAXIAL)	VIVDS POWER CBL (16 AWG) (3 CONDR) **
P1	V1	60	60
P8	V2	39	39
P9	V3	55	55
TOTAL (FT)		154	154

** SUBSIDIARY TO ITEM 6306 6007 "VIVDS CABLING".
FOR CONTRACTOR'S INFORMATION ONLY.

POLE CHART				
POLE	DESCRIPTION	CENTERLINE	STATION	OFFSET
P1	PROPOSED 48' MAST ARM	NORTHERN PASS DR	13+35.16	15.87' RT
P2	PROPOSED PEDESTRIAN POLE	NORTHERN PASS DR	13+89.55	48.34' RT
P3	PROPOSED PEDESTRIAN POLE	NORTHERN PASS DR	13+68.31	62.04' RT
P4	PROPOSED PEDESTRIAN POLE	NORTHERN PASS DR	13+14.52	62.04' RT
P5	PROPOSED PEDESTRIAN POLE	NORTHERN PASS DR	12+60.96	61.94' RT
P6	PROPOSED PEDESTRIAN POLE	NORTHERN PASS DR	13+97.58	6.15' RT
P7	PROPOSED PEDESTRIAN POLE	NORTHERN PASS DR	13+89.63	48.07' LT
P8	PROPOSED 32' MAST ARM POLE	NORTHERN PASS DR	13+60.58	47.94' LT
P9	PROPOSED 44' MAST ARM POLE	NORTHERN PASS DR	12+88.89	48.11' LT

REFERENCES - BENCHMARKS

FILE:

REVISIONS
DATE
11-01-24
BY
L.L.L.
REVISIONS
11-01-24
BY
L.L.L.

ENGINEER'S SEAL

SCALE

HOR: N/A
VER: N/A
DATE: 11/5/2024
DESIGN BY: L.L.L.
DRAWN BY: L.L.L.
CHKD BY: L.L.L.
APPD BY: L.L.L.

PROJECT NAME

INSTALLATION
OF TRAFFIC SIGNALS

STREET & MAINTENANCE

1501 N. MESA STE #200, EL PASO, TX 79902
PHONE: (915) 313-3800
F-12040

SHEET TITLE

BASE BID 2-
PASEO DEL NORTE
AT NORTHERN
PASS DR TRAFFIC
SIGNAL LAYOUT
SHEET 2 OF 3

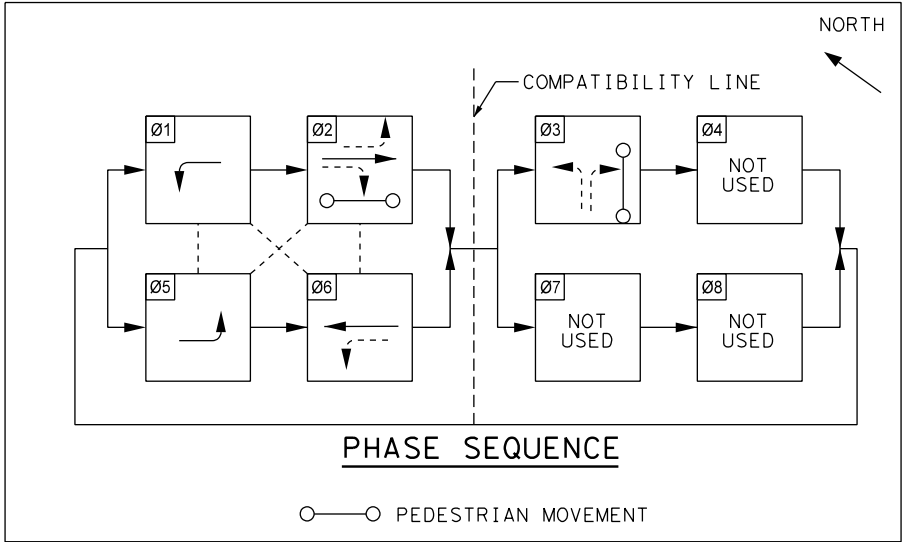
SHEET

C 53 of C 137

TRAFFIC SIGNAL QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
416 6031	DRILL SHAFT (TRF SIG POLE) (30 IN)	LF	12
416 6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	28
618 6023	CONDT (PVC) (SCH 40) (2")	LF	245
618 6024	CONDT (PVC) (SCH 40) (2") (BORE)	LF	485
618 6029	CONDT (PVC) (SCH 40) (3")	LF	60
618 6030	CONDT (PVC) (SCH 40) (3") (BORE)	LF	110
620 6010	ELEC CONDR (NO.6) INSULATED	LF	1115
624 6009	GROUND BOX TY D (162922)	EA	4
624 6010	GROUND BOX TY D (162922) W/APRON	EA	3
628 6151	ELC SRV TY D 120/240 060(NS)SS(N)PS(U)	EA	1
680 6003	INSTALL HWY TRF SIG (SYSTEM)	EA	1
	* 170 TRAFFIC SIGNAL CONTROLLER IN CABINET	EA	1
	* CONTROLLER FOUNDATION	EA	1
	* ROD, 5/8" X 10' COPPER GROUND (CONTROLLER ONLY)	EA	1
	* SIGN, STREET NAME (PASEO DEL NORTE)	EA	2
	* SIGN, STREET NAME (NORTHERN PASS)	EA	1
	* SIGN, (30"x30") (R10-17T)	EA	1
	* SIGN, (30"x30") (R10-17T (MOD))	EA	1
	* SIGN, (30"x36") (R3-5R)	EA	1
	* SIGN, (30"x36") (R3-5L)	EA	1
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eR)	EA	2
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eL)	EA	2
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eL/R)	EA	2
682 6001	VEH SIG SEC (12")LED(GRN)	EA	6
682 6002	VEH SIG SEC (12")LED(GRN ARW)	EA	2
682 6003	VEH SIG SEC (12")LED(YEL)	EA	6
682 6004	VEH SIG SEC (12")LED(YEL ARW)	EA	4
682 6005	VEH SIG SEC (12")LED(RED)	EA	6
682 6006	VEH SIG SEC (12")LED(RED ARW)	EA	2
682 6023	BACK PLATE (12") (3 SEC)	EA	6
682 6024	BACK PLATE (12") (4 SEC)	EA	2
684 6007	TRF SIG CBL (TY A) (12 AWG) (2 CONDR)	LF	732
684 6010	TRF SIG CBL (TY A) (12 AWG) (5 CONDR)	LF	1188
684 6012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	LF	508
684 6017	TRF SIG CBL (TY A) (12 AWG) (12 CONDR)	LF	565
686 6033	INS TRF SIG PL AM(S)1 ARM(32')	EA	1
686 6045	INS TRF SIG PL AM(S)1 ARM(44')	EA	1
686 6049	INS TRF SIG PL AM(S)1 ARM(48')	EA	1
6306 6001	VIVDS PROSR SYS	EA	1
6306 6002	VIVDS CAM ASSY FXD LNS	EA	3
6306 6005	VIVDS CNTRL SOFTWARE	EA	1
6306 6007	VIVDS CABLING	LF	719
**VIVDS POWER CABLE (16 AWG) (3 CONDR)		LF	719

* SUBSIDIARY TO ITEM 0680 6003 "INSTALL HWY TRF SIG (SYSTEM)"
** SUBSIDIARY TO ITEM 6306 6007 "VIVDS CABLING". FOR CONTRACTOR'S INFORMATION ONLY.

ADA QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
682 6018	PED SIG SEC (LED) (COUNTDOWN)	EA	8
687 6001	PED POLE ASSEMBLY	EA	6
688 6001	PED DETECT PUSH BUTTON (APS)	EA	6
688 6003	PED DETECTOR CONTROLLER UNIT	EA	1



REFERENCES - BENCHMARKS

FILE:

DATE: 11.01.24
BY: L.L.
REVISIONS:
1. Relocation of Service and Bure

ENGINEER'S SEAL

SCALE

HOR: N/A
VER: N/A
DATE: 11/5/24
DESIGN BY: L.L.
DRAWN BY: L.L.
CHKD BY: L.L.
APPD BY: L.L.

PROJECT NAME

INSTALLATION
OF TRAFFIC SIGNALS

STREET & MAINTENANCE

1501 N. MESA STE #200 EL PASO, TX 79902
PHONE: (915) 313-3800
F-12040

SHEET TITLE

BASE BID 2-
PASEO DEL NORTE
AT NORTHERN
PASS DR TRAFFIC
SIGNAL LAYOUT
SHEET 3 OF 3

SHEET

C 54 of C 137

ELECTRICAL SERVICE DATA													
BASE BID NO.	Sheet No.	Electrical Service Description	Service Conduit Size	Service Conductors No. / Size	Safety Switch Amps	Main Ckt. Bkr. Pole / Amp	Two-Pole Contactor Amps	Panelbd / Loadcenter Amp Rating	Circuit No.	Branch Ckt. Bkr. Pole / Amps	Branch Circuit Amps	Minimum Wire Size	KVA Load
1	PASEO DEL NORTE AT WEST TOWNE MARKETPLACE ENTRANCE	ELEC SERV TY D (120/240)060(NS)SS(N)PS(U)	2"	3/#4	N/A	2P/60	N/A	100	SIGNALS	1P/50	40	#6	4.8
2	PASEO DEL NORTE @ NORTHERN PASS DR TRAFFIC SIGNAL LAYOUT	ELEC SERV TY D (120/240)060(NS)SS(N)PS(U)	2"	3/#4	N/A	2P/60	N/A	100	SIG. CONTROLLER	1P/50	40		4.8
3	ADVANCE SCHOOL FLASHER FRONTERA RD @ ROXBURY DR TRAFFIC SIGNAL LAYOUT	ELEC SERV TY D (120/240)060(NS)GS(N)GC(O)	2"	3/#4	N/A	2P/60	N/A	100	SIG. CONTROLLER	1P/50	40		4.8
4	HAWKINS BLVD @ WH BURGESS DR TRAFFIC SIGNAL LAYOUT	ELEC SERV TY D (120/240)060(NS)GS(N)GC(O)	2"	3/#4	N/A	2P/60	N/A	100	SIG. CONTROLLER	1P/50	40		4.8

REFERENCES - BENCHMARKS

FILE:

DATE: 11.01.24

BY: L.L.

REVISIONS

Reception of Service and Run

ENGINEER'S SEAL

SCALE

HOR: N/A

VER: N/A

DATE: 11/5/2024

DESIGN BY: CV

DRAWN BY: CV

CHECKED BY: LD

APPROVED BY: LD

PROJECT NAME

INSTALLATION OF TRAFFIC SIGNALS

STREET & MAINTENANCE

1501 N. MESA STE #200 EL PASO, TX 79902
PHONE: (915) 313-3680
F-12040

SHEET TITLE

ELECTRICAL SERVICE DATA TABLE

SHEET

C 80 of C 137



RFP#2 - Cellular Modem Credit

CAPITAL IMPROVEMENT DEPARTMENT

Request for Proposal

MAYOR

Renard U. Johnson

March 11, 2025

CITY COUNCIL**District 1**

Alejandra Chávez

District 2

Dr. Josh Acevedo

District 3

Deanna M. Rocha

District 4

Cynthia Boyar Trejo

District 5

Ivan Niño

District 6

Art Fierro

District 7

Lily Limón

District 8

Chris Canales

CITY MANAGER

Dionne Mack

ZTEX Construction Inc.

Attn: Ezri Navarro

1326 Henry Brennan Dr.

El Paso, Texas 79936

Subject: 2024-0472 Traffic Signals – RFP #2 Cellular Modem

Dear Mr. Navarro,

You are requested to submit a cost proposal by 4:00 PM on March 25, 2025, to accomplish the following scope of work:

Scope of work:

1. Incorporate the changes outlined in the following revised design sheets:
 - a. C-54
 - b. C56 – C59
2. Provide all labor, material, and equipment to install a cellular modem at the Paseo del Norte and Northern Pass Dr Traffic signals.

Attachments:

1. Exhibit A - ASIs
2. Exhibit B – Cellular Modem specs

Your proposal shall contain a complete itemized breakdown in sufficient detail to permit an analysis of all material, labor, equipment, subcontractor cost (if applicable), and markups. State additional time required, if necessary. Justify your request with a description of the delays, which you anticipate. Support your position with a marked-up progress chart depicting the impact of this proposed change on the original contract work.

Sincerely,

Alondra Gurrola

Nancy Lopez – Engineer Associate

Capital Improvement Department | 218 N. Campbell | El Paso, TX 79901 *NL*

C: (915) 979-7954 | Email: Lopezni@elpasotexas.gov

Yvette Hernandez, P.E., – City Engineer

City 2 | 218 N. Campbell, 2nd Floor | El Paso, Texas 79901 | (915) 212-0065



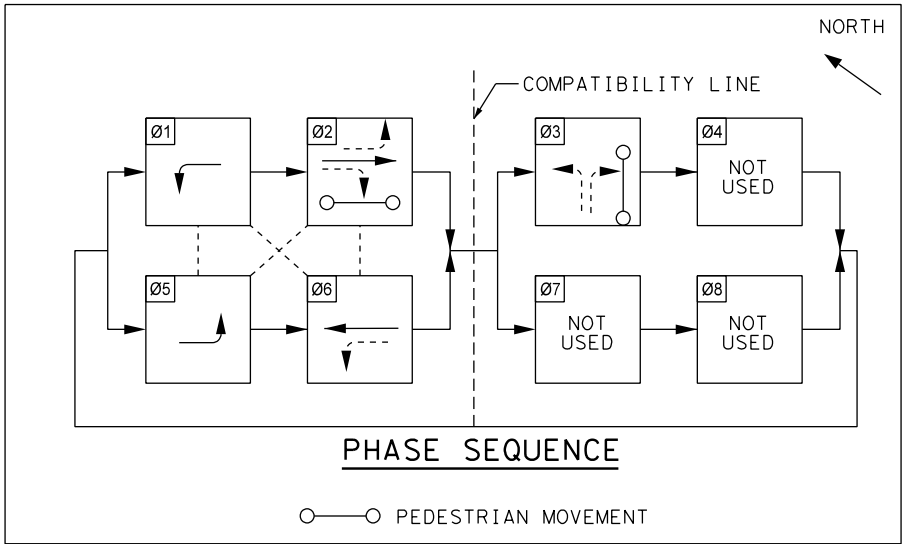
DELIVERING EXCEPTIONAL SERVICES

EXHIBIT A

TRAFFIC SIGNAL QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
416 6031	DRILL SHAFT (TRF SIG POLE) (30 IN)	LF	12
416 6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	28
618 6023	CONDT (PVC) (SCH 40) (2")	LF	245
618 6024	CONDT (PVC) (SCH 40) (2") (BORE)	LF	485
618 6029	CONDT (PVC) (SCH 40) (3")	LF	60
618 6030	CONDT (PVC) (SCH 40) (3") (BORE)	LF	110
620 6010	ELEC CONDR (NO.6) INSULATED	LF	1115
624 6009	GROUND BOX TY D (162922)	EA	4
624 6010	GROUND BOX TY D (162922) W/APRON	EA	3
628 6151	ELC SRV TY D 120/240 060 (NS) SS (N) PS (U)	EA	1
680 6003	INSTALL HWY TRF SIG (SYSTEM)	EA	1
	* 170 TRAFFIC SIGNAL CONTROLLER IN CABINET	EA	1
	* CONTROLLER FOUNDATION	EA	1
	* ROD, 5/8" X 10' COPPER GROUND (CONTROLLER ONLY)	EA	1
	* SIGN, STREET NAME (PASEO DEL NORTE)	EA	2
	* SIGN, STREET NAME (NORTHERN PASS)	EA	1
	* SIGN, (30"x30") (R10-17T)	EA	1
	* SIGN, (30"x30") (R10-17T (MOD))	EA	1
	* SIGN, (30"x36") (R3-5R)	EA	1
	* SIGN, (30"x36") (R3-5L)	EA	1
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eR)	EA	2
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eL)	EA	2
	* SIGN, PEDESTRIAN PUSHBUTTON (SYMBOL TYPE) (9" X 15") (R10-3eL/R)	EA	2
	* FURNISH AND INSTALL CELLULAR MODEM	EA	1
682 6001	VEH SIG SEC (12") LED (GRN)	EA	6
682 6002	VEH SIG SEC (12") LED (GRN ARW)	EA	2
682 6003	VEH SIG SEC (12") LED (YEL)	EA	6
682 6004	VEH SIG SEC (12") LED (YEL ARW)	EA	4
682 6005	VEH SIG SEC (12") LED (RED)	EA	6
682 6006	VEH SIG SEC (12") LED (RED ARW)	EA	2
682 6023	BACK PLATE (12") (3 SEC)	EA	6
682 6024	BACK PLATE (12") (4 SEC)	EA	2
684 6007	TRF SIG CBL (TY A) (12 AWG) (2 CONDR)	LF	732
684 6010	TRF SIG CBL (TY A) (12 AWG) (5 CONDR)	LF	1188
684 6012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	LF	508
684 6017	TRF SIG CBL (TY A) (12 AWG) (12 CONDR)	LF	565
686 6033	INS TRF SIG PL AM(S) 1 ARM(32')	EA	1
686 6045	INS TRF SIG PL AM(S) 1 ARM(44')	EA	1
686 6049	INS TRF SIG PL AM(S) 1 ARM(48')	EA	1
6306 6001	VIVDS PROSR SYS	EA	1
6306 6002	VIVDS CAM ASSY FXD LNS	EA	3
6306 6005	VIVDS CNTRL SOFTWARE	EA	1
6306 6007	VIVDS CABLING	LF	719
	** VIVDS POWER CABLE (16 AWG) (3 CONDR)	LF	719

* SUBSIDIARY TO ITEM 0680 6003 "INSTALL HWY TRF SIG (SYSTEM)"
** SUBSIDIARY TO ITEM 6306 6007 "VIVDS CABLING". FOR CONTRACTOR'S INFORMATION ONLY.

ADA QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
682 6018	PED SIG SEC (LED) (COUNTDOWN)	EA	8
687 6001	PED POLE ASSEMBLY	EA	6
688 6001	PED DETECT PUSH BUTTON (APS)	EA	6
688 6003	PED DETECTOR CONTROLLER UNIT	EA	1



NOTES:

1. CELLULAR MODEM TO BE FURNISH AND INSTALLED IN LIEU OF HARDWIRED INTERCONNECTION BETWEEN CONTROLLERS SHOWN ON INTERCONNECT LAYOUT SHEETS. CONTRACTOR TO COORDINATE WITH STREETS AND MAINTENANCE FOR THE TYPE OF CELLULAR MODEM TO USE.

REFERENCES - BENCHMARKS

FILE:

DATE: 11/01/24
BY: L.L.
REVISIONS: 01/16/25
A Relocation of Service and Rues
Updated Interconnect
L.L.

ENGINEER'S SEAL

STATE OF TEXAS
LEONARDO LEDESMA
101961
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

SCALE

HOR: N/A
VER: N/A
DATE: 1/20/2025
DESIGN BY: L.L.
DRAWN BY: L.L.
CHKD BY: L.L.
APPD BY: L.L.

PROJECT NAME

INSTALLATION
OF TRAFFIC SIGNALS

STREET & MAINTENANCE

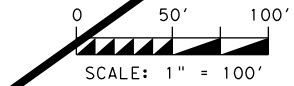
1501 N. MESA STE #200 EL PASO, TX 79902
PHONE: (915) 313-3600
F-12040

SHEET TITLE

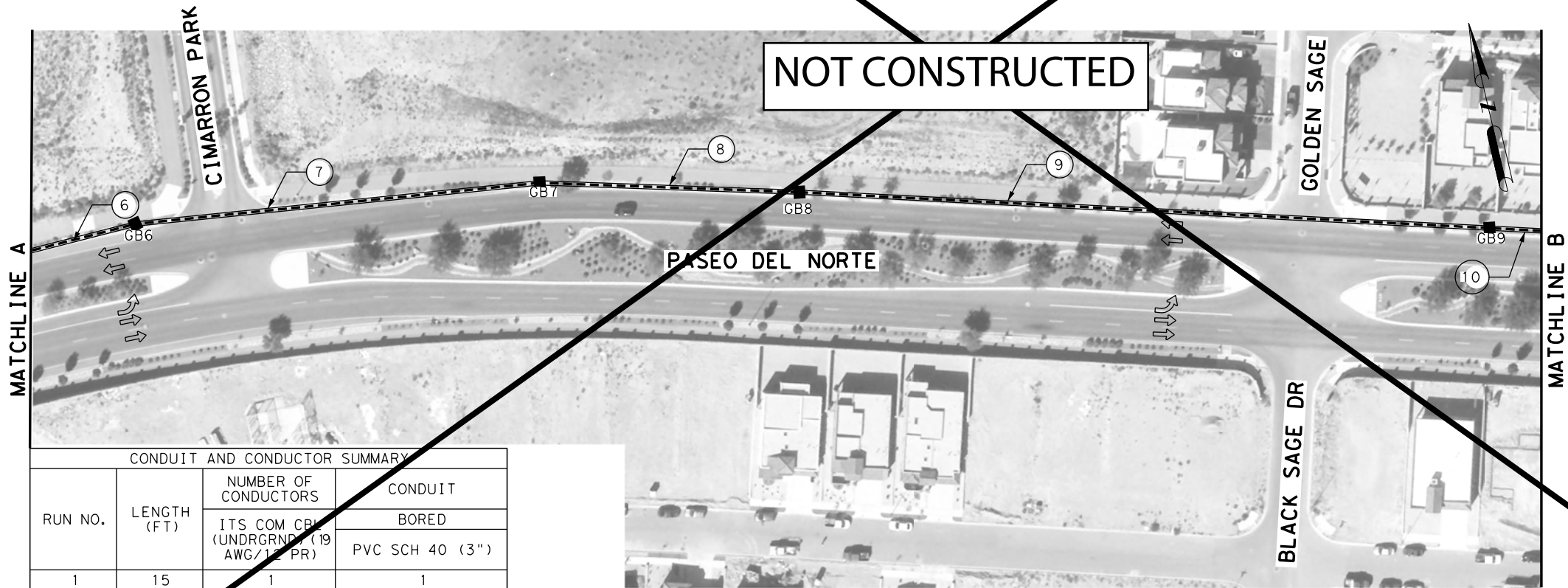
BASE BID 2-
PASEO DEL NORTE
AT NORTHERN
PASS DR TRAFFIC
SIGNAL LAYOUT
SHEET 3 OF 3

SHEET

C 54 of C 137



- LEGEND**
- EXISTING TRAFFIC SIGNAL CONTROLLER
 - PROPOSED TRAFFIC SIGNAL CONTROLLER
 - PROPOSED ITS GROUND BOX TY 1
 - PROPOSED CONDUIT (BORE)
 - EXISTING TRAFFIC FLOW

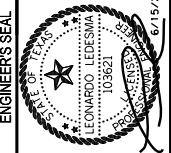


CONDUIT AND CONDUCTOR SUMMARY			
RUN NO.	LENGTH (FT)	NUMBER OF CONDUCTORS	CONDUIT
		ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	BORED PVC SCH 40 (3")
1	15	1	1
2	140	1	1
3	260	1	1
4	215	1	1
5	175	1	1
6	230	1	1
7	290	1	1
8	185	1	1
9	490	1	1
10	35	1	1
TOTAL (FT)		2145	2095

ITS QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
158 6005	SPEC EXCAV WORK (ORIGINAL)	CY	2
618 6030	COND (PVC) (SCH 40) (3") (BORE)	LF	2095
6004 6054	ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	LF	2145
6186 6001	ITS GND BOX (PCAST) TY 1 (243636)	EA	9

*ALL CONDUCTOR RUNS INCLUDE 5' OF SLACK

REFERENCES - BENCHMARKS	
FILE:	
DATE	01/16/23
REVISIONS	Design Not To Be Constructed
BY	LL



SCALE	
HOR:	1"=100'
VER:	NAD
DATE	6/15/2023
DESIGN BY	CV
DRAWN BY	FE
CHECK BY	LL
APPRO BY	LL

PROJECT NAME
INSTALLATION
OF TRAFFIC SIGNALS



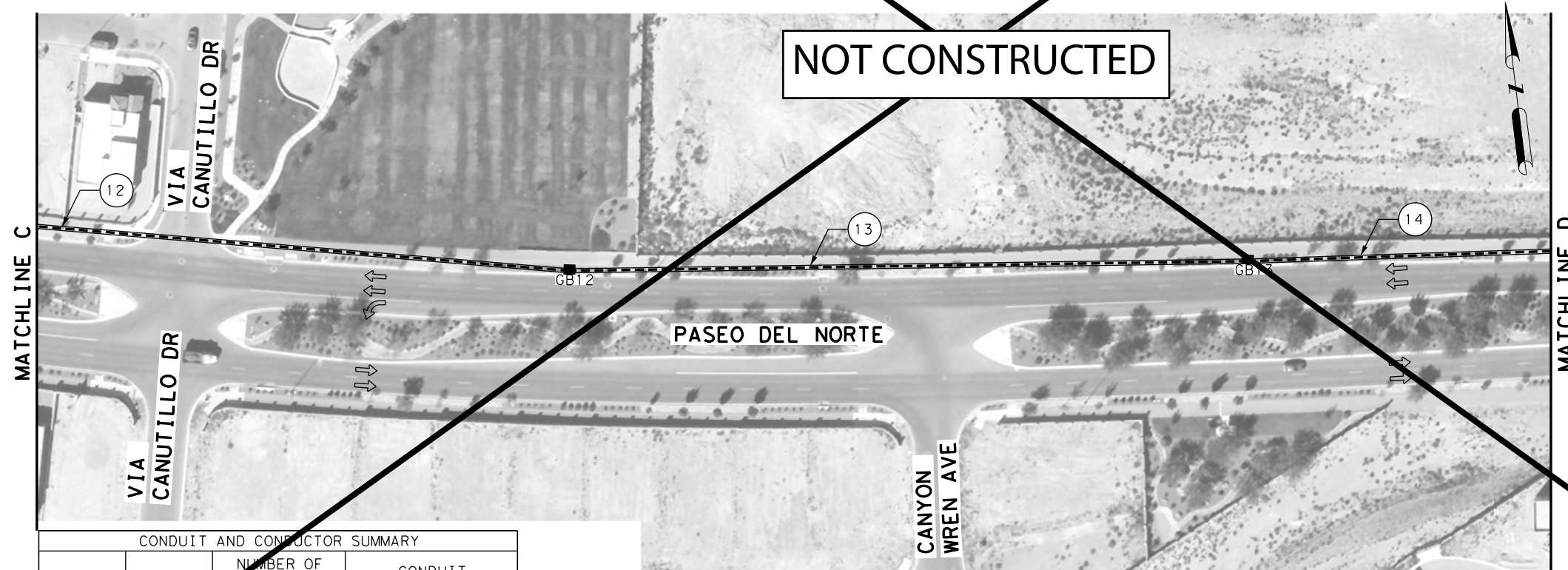
STREET & MAINTENANCE



SHEET TITLE
**BASE BID 2-
PASEO DEL NORTE AT
NORTHERN PASS DR
INTERCONNECT
LAYOUT**

SHEET
C 56 of C 137

238752

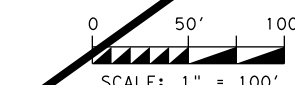


CONDUIT AND CONDUCTOR SUMMARY			
RUN NO.	LENGTH (FT)	NUMBER OF CONDUCTORS	CONDUIT
		ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	BORED PVC SCH 40 (3")
10	465	1	1
11	475	1	1
12	495	1	1
13	480	1	1
14	215	1	1
TOTAL (FT)		2155	2130

*ALL CONDUCTOR RUNS INCLUDE 5' OF SLACK

ITS QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
158 6005	SPEC EXCAV WORK (ORIGINAL)	CY	2
618 6030	CONDT (PVC) (SCH 40) (3") (BORE)	LF	2130
6004 6054	ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	LF	2155
6186 6001	ITS GND BOX (PCAST) TY 1 (243636)	EA	4

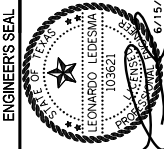
NOT CONSTRUCTED



LEGEND

- | | |
|---|---------------------------------------|
|  | EXISTING TRAFFIC SIGNAL
CONTROLLER |
|  | PROPOSED TRAFFIC SIGNAL
CONTROLLER |
|  | PROPOSED ITS GROUND BOX TY 1 |
|  | PROPOSED CONDUIT (BORE) |
|  | EXISTING TRAFFIC FLOW |

DATE	REVISIONS
11,16,25	Design Not To Be Constructed



SCALE	1"=100'
DATE	6/15/2023
DESIGN BY	CV
DRAWN BY	PG
CHKD. BY	LL
APPD. BY	LL

PROJECT NAME



STREET & MAINTENANCE



1501 N. MESA, STE #200, EL PASO, TX 79902

SHEET TITLE

BASE BID 2-
PASEO DEL NORTE AT
NORTHERN PASS DR
INTERCONNECT
LAYOUT

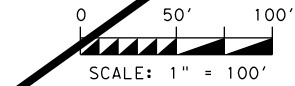
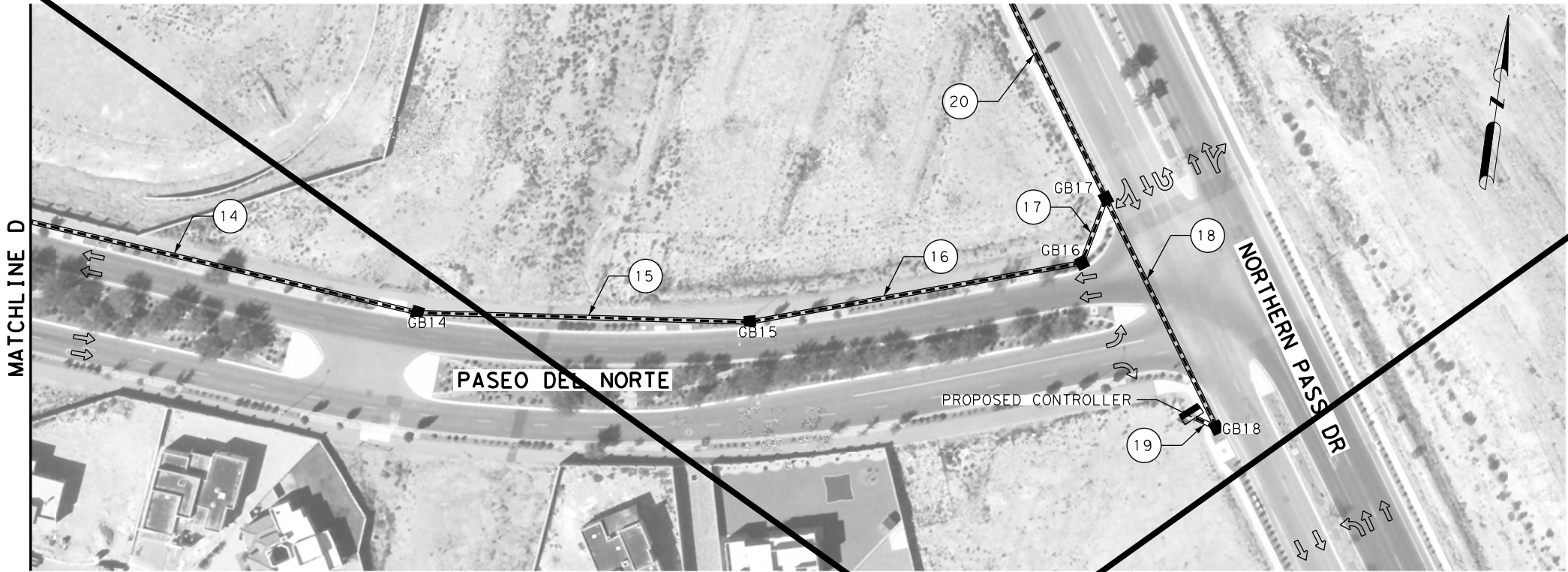
SHEET 2 OF 2

SHEET

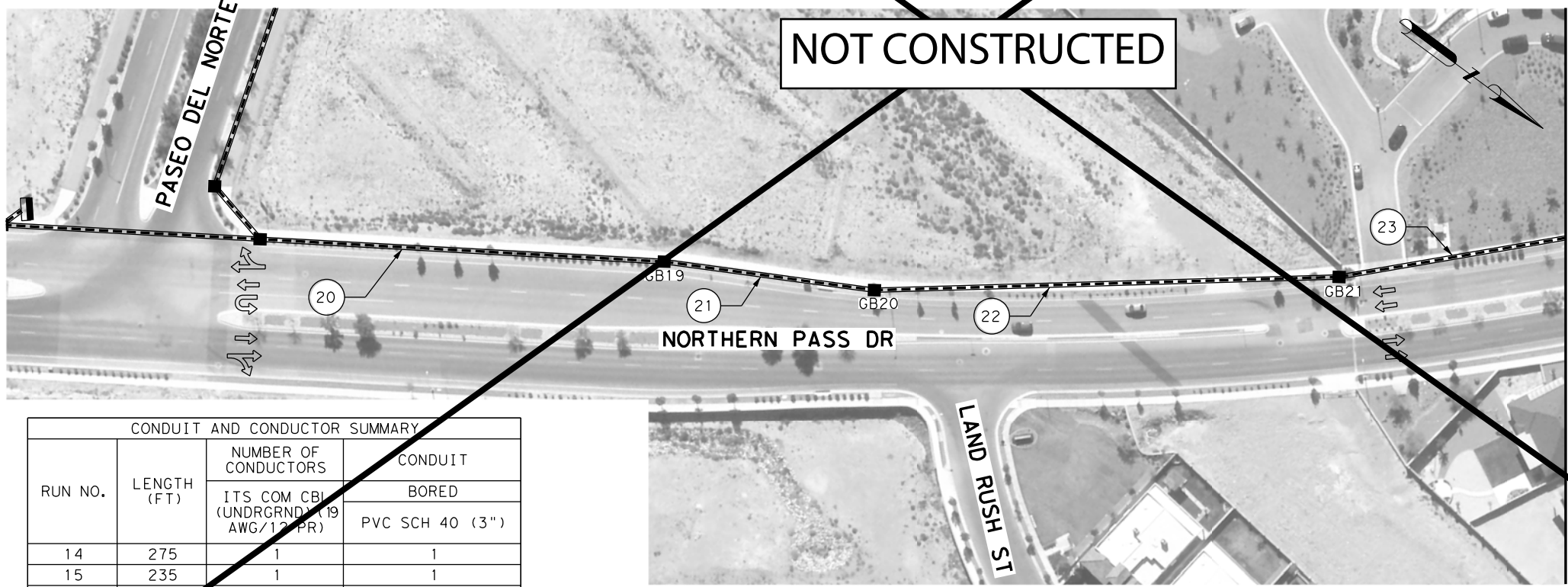
C 57 of C 137

238752

C 57 of C 137



- LEGEND**
- EXISTING TRAFFIC SIGNAL CONTROLLER
 - PROPOSED TRAFFIC SIGNAL CONTROLLER
 - PROPOSED ITS GROUND BOX TY 1
 - PROPOSED CONDUIT (BORE)
 - EXISTING TRAFFIC FLOW

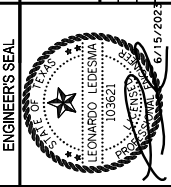


CONDUIT AND CONDUCTOR SUMMARY			
RUN NO.	LENGTH (FT)	NUMBER OF CONDUCTORS	CONDUIT
		ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	BORED PVC SCH 40 (3")
14	275	1	1
15	235	1	1
16	235	1	1
17	50	1	1
18	180	1	1
19	20	1	1
20	280	1	1
21	145	1	1
22	320	1	1
23	160	1	1
TOTAL (FT)		1950	1900

*ALL CONDUCTOR RUNS INCLUDE 5' OF SLACK

ITS QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
158 6005	SPEC EXCAV WORK (ORIGINAL)	CY	2
618 6030	COND (PVC) (SCH 40) (3") (BORE)	LF	1900
6004 6054	ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	LF	1950
6186 6001	ITS GND BOX(PCAST) TY 1 (243636)	EA	8

REFERENCES - BENCHMARKS	
FILE:	
DATE	REVISIONS
01/16/23	Design Not To Be Constructed
BY	LL



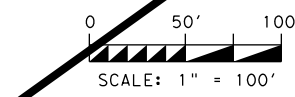
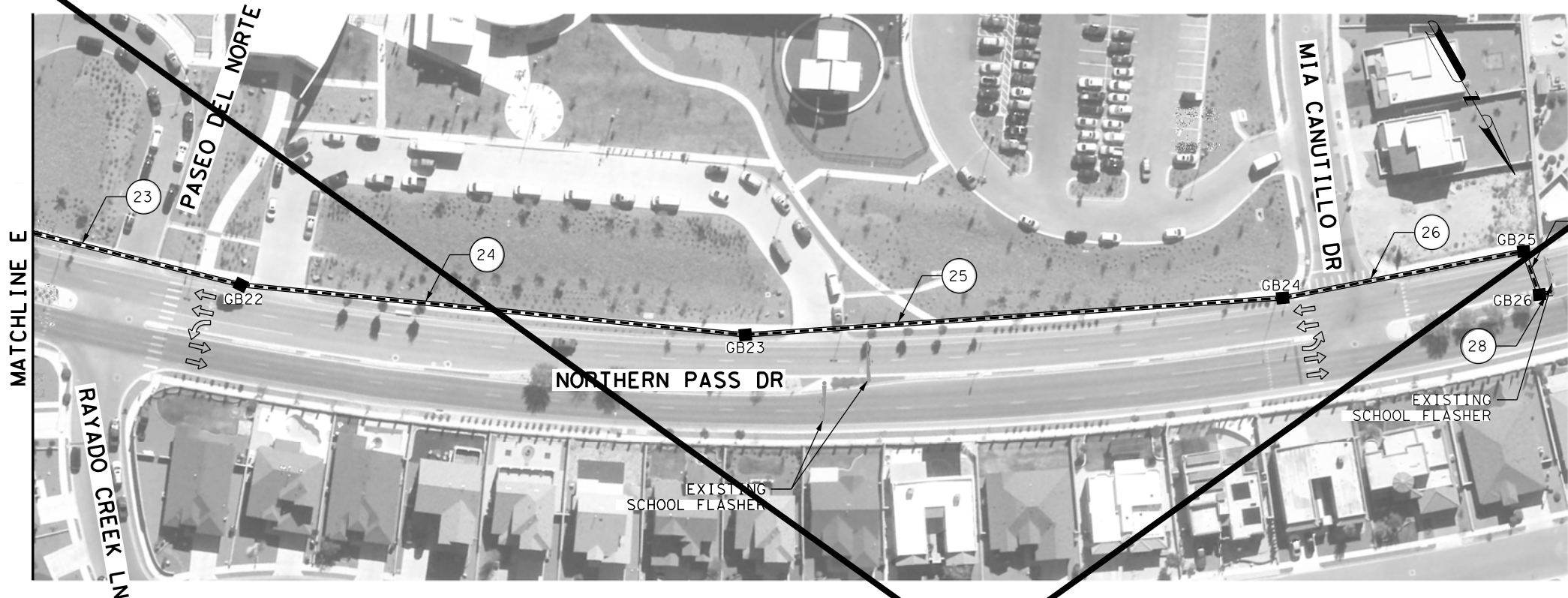
SCALE	
HOR: 1"=100'	VER: N/A
DATE	DESIGNED BY
6/15/2023	CV
DATE	DRAWN BY
	FE
DATE	CHECKED BY
	LL
DATE	APPROVED BY
	LL

PROJECT NAME
INSTALLATION
OF TRAFFIC SIGNALS



SHEET TITLE
BASE BID 2-
PASEO DEL NORTE AT
NORTHERN PASS DR
INTERCONNECT
LAYOUT

SHEET
C 58 of C 137



LEGEND

- EXISTING TRAFFIC SIGNAL CONTROLLER
- PROPOSED TRAFFIC SIGNAL CONTROLLER
- PROPOSED ITS GROUND BOX TY 1
- PROPOSED CONDUIT (BORE)
- EXISTING TRAFFIC FLOW

NOTE:
1. ON/OFF OPERATION FOR SHCOOL FLASHERS WILL BE CONTROLLED BY TRAFFIC SIGNAL CABINET SHOWN ON PLANS.

NOT CONSTRUCTED

CONDUIT AND CONDUCTOR SUMMARY			
RUN NO.	LENGTH (FT)	NUMBER OF CONDUCTORS ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	CONDUIT
			BORED PVC SCH 40 (3")
23	150	1	1
24	355	1	1
25	375	1	1
26	170	1	1
27	35	1	1
28	10	1	1
TOTAL (FT)		1125	1095

*ALL CONDUCTOR RUNS INCLUDE 5' OF SLACK

ITS QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
158 6005	SPEC EXCAV WORK (ORIGINAL)	CY	1
618 6030	CONDT (PVC) (SCH 40) (3") (BORE)	LF	1095
6004 6054	ITS COM CBL (UNDRGRND) (19 AWG/12 PR)	LF	1125
6186 6001	ITS GND BOX (PCAST) TY 1 (243636)	EA	5

REFERENCES - BENCHMARKS

FILE:

DATE: 01/14/23

BY: LL

REVISIONS

Design Not To Be Constructed

6/15/2023

ENGINEER'S SEAL

LEONARDO LEDESMA

PROFESSIONAL ENGINEER

6/15/2023

SCALE

1"=100'

DATE: 6/15/2023

DESIGN BY: CV

DRAWN BY: FEG

CHKD BY: LL

APPD BY: LL

PROJECT NAME

INSTALLATION OF TRAFFIC SIGNALS

EPA TX

STREET & MAINTENANCE

consor

1501 N. MESA STE #200 EL PASO, TX 79902

PHONE: (915) 313-3680

F-12040

SHEET TITLE

BASE BID 2- PASEO DEL NORTE AT NORTHERN PASS DR INTERCONNECT LAYOUT

SHEET 4 OF 4

SHEET

C 59 of C 137

238752

EXHIBIT B

AI-500-085-02 Field Monitoring Unit

Overview

The AI-500-085-02 Field Monitoring Unit (FMU) controller provides a cost-effective and easy-to-integrate means of adding priority, preemption, passthrough communication, and video streaming capabilities into traffic cabinets, as well as facilitating remote monitoring of traffic intersection status and health. Built-in, the unit has a high-speed 4G LTE cellular modem, GPS, and 900MHz radio to make priority and preemption easy to configure. The device can remotely switch two (NEMA 5-15) power outlets inside the ITS cabinet and is designed to withstand extreme temperature applications.

The unit comes standard with a built-in 4 port Ethernet switch, multiple digital and analog IO as well as 8 digital outputs for triggering preemption commands to the traffic signal controllers. The unit can also send priority requests directly to the traffic controller, using Ethernet communications.

The unit works in conjunction with the Glance Platform, providing connectivity to the cloud-based utility solution. Glance monitors the unit and connected cabinet components in real-time and sends email or text alerts the moment a fault is detected, with details of the exact fault.

Features & Benefits

- ✓ Low-cost internet connectivity solution
- ✓ 19-inch rack mount 1U high
- ✓ 4 Port Ethernet switch
- ✓ Remotely switchable outlets
- ✓ On-demand wireless video streaming
- ✓ GPS enabled for self-locating
- ✓ Passthrough communications
- ✓ Connects to TravelSafely smartphone alerts
- ✓ Alarm alerts sent via text or email
- ✓ Integrated battery backup for power fail reporting
- ✓ Redundant communications supporting both 900MHz radio & Cellular communication



Call us today to get started at [678.830.2170](tel:678.830.2170) or email us at sales@appinfoinc.com

Hardware Specification



AI-500-085-02

Connectivity

Cell Modem	Yes, 4G LTE
Connected Vehicles	Yes, Cellular, C-V2X Ready
Ethernet Port	4 Ethernet Ports
GPS	Yes

Industrial I/O

Digital Outputs	10 (2 as NO/NC Relay, 8 as 24VDC ground true)
Digital Inputs	8 (4 as 120VAC/12-28VDC selectable, 4 as 12-28VDC)
Analog Inputs	8 (4 as 120VAC/12-28VDC selectable, 4 as 12-28VDC)

Power

Outlets	NEMA 5-15 (2x 120V, remotely switchable rated 15 amp total)
Power Consumption	12.5W

Miscellaneous

Operating Systems	µC/OS-II
Manual Preempt Selector	Yes
Operating Temperature	-40°C to 80°C
Humidity	5-95% non-condensing
Dimensions	17.5" W x 1.75" H x 7.5" D
Input Voltage	120V AC
Real-Time Clock	Yes
Flash Disk	Yes
Battery Backup	Yes

Applications

Emergency Vehicle Preemption	Yes
Transit Signal Priority	Yes
School Bus Priority	Yes
Remote Communication	Yes
Police Preemption	Yes
Snowplow Priority	Yes



Contractor's Proposal



Serving Texas New Mexico Arizona Oklahoma

On time and in budget

Minority Business Veteran Owned Business and Small Business

1326 Henry Brennan Dr. El Paso, TX 79936

ZTEXConstruction.com • 915-591-6900

PROJECT

Date

Traffic Signal Improvements COEP No.: 2024-0472

5/6/2025

Cost Proposal for RFP#1- Westowne/Paseo Del and Paseo del Norte/Northern Pass Electrical Service Change	Qty	Unit	Unit Price	Total
Newunit prices to be incorporated into Base Bidd II				
628-6151 ELEC SRV TY D 120-240 060 (NS)SS(N)PS(U)(PEDESTAL, TYPE UNDERGROUND)	1.00	EA	\$ 14,590.00	\$ 14,590.00
FURNISH, INSTALL & PROGRAM CELLULAR MODEM	1.00	EA	\$ 11,601.00	\$ 11,601.00
Revised Quantities provided by the City of El Paso for the new design				
✓ 158-60005 SPEC EXCAV WORK (ORIGINAL)	(7.00)	LF	\$ 232.40	\$ (1,626.80)
✓ 618-6023 CONDT (PVC) (SCH 40) (2")	15.00	LF	\$ 24.80	\$ 372.00
✓ 618-6029 CONDT (PVC) (SCH 40) (3")	(10.00)	LF	\$ 30.60	\$ (306.00)
✓ 618-6030 CONDT (PVC) (SCH 40) (3") (BORE)	(7,220.00)	LF	\$ 37.70	\$ (272,194.00)
✓ 620-6010 ELEC CONDR (NO. 6) INSULATED	10.00	LF	\$ 3.60	\$ 36.00
✓ 628-6128 EIC SRV TY d 120-240 060 (NS)GS(N)GC(O)(TYPE OVERHEAD)	(1.00)	EA	\$ 9,413.00	\$ (9,413.00)
✓ 684-6007 TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	(180.00)	LF	\$ 3.80	\$ (684.00)
✓ 684-6010 TRF SIG CBL (TY A)(12 AWG)(5 CONDR)	(240.00)	LF	\$ 4.80	\$ (1,152.00)
✓ 684-6012 TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	10.00	LF	\$ 4.90	\$ 49.00
✓ 684-6017 TRF SIG CBL (TY A)(12 AWG)(12 CONDR)	(20.00)	LF	\$ 5.30	\$ (106.00)
✓ 6004-6054 ITS COM CBL (UNDRGRND)(19 AWG/12 PR)	(7,375.00)	LF	\$ 10.60	\$ (78,175.00)
✓ 6186-6001 ITS GND BOX (PCAST) TY 1 (243636)	(26.00)	LF	\$ 4,471.80	\$ (116,266.80)
✓ 6306-6007 VIVDS CABLING	(20.00)	LF	\$ 4.80	\$ (96.00)

Notes: All quantities stated above have been provided by the City of El Paso, will vary from installed quantities and installed quantities will be billed according to the unit price. Requested time does not include material lead time, to be considered once material is approved and released into production.

TOTAL CHANGE ORDER(S) Excluding TAX on Materials
\$ (453,371.60)
Additional CONSECUTIVE CALENDAR DAYS (CCDs) Required for Change Order(s)
TBD +/- 25

See Attached Tri-State Electric Quote dated 05/05/2025

EXCLUDES ANY WORK NOT SPECIFICALLY MENTIONED HEREIN.

CID ROM Estimate

2024-0472 Traffic Signal Project

CO#1: Incorporate ASIs into the contract - electrical service
Base Bid: 2
Reference: Bid Tabs

PASEO DEL NORTE AND NORTHERN PASS DR.

Cellular Modem Credit					
Line	Des	qty	unit	\$/UNIT	S-total
158-60005	SPEC EXCAV WORK (ORIGINAL)	-7	LF	\$ 232.40	\$ (1,626.80)
618-6029	CONDT (PVC)(SCH 40) (3")	-10	LF	\$ 30.60	\$ (306.00)
618-6030	CONDT (PVC)(SCH 40) (3") (BORE)	-7220	LF	\$ 37.70	\$ (272,194.00)
628-6128	EIC SRV TY d 120-240 060 (NS)GS(N)GC(O)(TYPE OVERHED)	-1	EA	\$ 9,413.00	\$ (9,413.00)
684-6007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	-180	LF	\$ 3.80	\$ (684.00)
684-6010	TRF SIG CBL (TY A)(12 AWG)(5 CONDR)	-240	LF	\$ 4.80	\$ (1,152.00)
684-6017	TRF SIG CBL (TY A)(12 AWG)(12 CONDR)	-20	LF	\$ 5.30	\$ (106.00)
6004-6054	ITS COM CBL (UNDRGRND)(19 AWG/12 PR)	-7375	LF	\$ 10.60	\$ (78,175.00)
6186-6001	ITS GND BOX (PCAST) TY 1 (243636)	-26	LF	\$ 4,471.80	\$ (116,266.80)
6306-6007	VIVIDS CABLING	-20	LF	\$ 4.80	\$ (96.00)
	Cellular modem Installation and material	1	EA	\$ 12,000.00	\$ 12,000.00
					\$ -
				Total	\$ (468,019.60)

Estimate from other projects

Electrical Service Cost					
Line	Des	qty	unit	\$/UNIT	S-total
618-6023	CONDT (PVC)(SCH 40) (2")	15	LF	\$ 24.80	\$ 372.00
620-6010	ELEC CONDR (NO. 6) INSULATED	10	LF	\$ 3.60	\$ 36.00
684-6012	TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	10	LF	\$ 4.90	\$ 49.00
	ELEC SRV TY D 120-240 060 (NS)SS(N)PS(U)(PEDESTAL, TYPE UNDERGROUND)	1	EA	\$ 12,500.00	\$ 12,500.00
					\$ 12,957.00

Estimate from other projects

TOTAL \$ 12,957.00



Purchase Order

Page: 1 of 3

Construction & Engineering

218 N. CAMPBELL
ENGINEERING & CONSTRUCTION
MANAGEMENT DEPT
2ND FLOOR
EL PASO TX 79901
United States

Dispatch Via Print		
Purchase Order CEP35-2500000161	Date 01-07-2025	Revision
Payment Terms Net 30	Freight Terms DEST	Ship Via
Buyer Prieto, Norma	Phone/ Email PrietoNX@elpasotexas.gov	Currency USD

Supplier: 1000039945
ZTEX Construction Inc
1326 Henry Brennan Dr
EL PASO TX 79936-6803
United States

Ship To: CID
218 N. CAMPBELL
CAPITAL
IMPROVEMENT
DEPARTMENT
2ND FLOOR
EL PASO TX 79901
United States

Attention: LOPEZ, NANCY

Bill To: 300 N. Campbell
FINANCIAL SERVICES
EL PASO TX 79901
United States

Tax Exempt? Y		Tax Exempt ID: 746000749		Replenishment Option: Standard			
Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
1 - 1	PASEO DEL NORTE RD AT WEST TOWNE MARKETPLACE ENTRANCE - TRAFFIC SIGNALS IMPROVEMENTS		1.00	AMT	535417.10	535417.10	01/07/2025

Contract ID: 2024-0472

Version: 1

Contract Line: 0

Schedule Total
Release: 1

535417.10
Category Line: 0

Total Amount: 0.000
Total Quantity: 0.00

Amount Open: 0.000
Quantity Open: 0.0000

Item Total 535417.10

2 - 1	PASEO DEL NORTE AT NORTHERN PASS - TRAFFIC SIGNALS IMPROVEMENTS		1.00	AMT	925101.40	925101.40	01/07/2025
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Contract ID: 2024-0472

Version: 1

Contract Line: 0

Schedule Total
Release: 2

925101.40
Category Line: 0

Total Amount: 0.000
Total Quantity: 0.00

Amount Open: 0.000
Quantity Open: 0.0000

Item Total 925101.40

NOTICE: By issuing this Purchase Order, the City neither waives nor renounces any or all claims and/or rights that it may have including but not limited to the claims and rights the City may have arising out of or related to any breach of this or any other contract the City may have with this vendor.

Authorized Signature

Purchasing Director

Total PO Amount

2,557,478.40

NOTE: Unless Reference is made to a specific Contract, this Purchase order is subject to the City of El Paso's standard purchase order terms and conditions. The Terms and Conditions may be viewed on our web site at: <https://www.elpasotexas.gov/purchasing/>. Please reference Purchase Order on 2500000161 all Invoices, Packing Slips and Correspondence.

Purchase Order

Page: 2 of 3

Construction & Engineering

218 N. CAMPBELL
ENGINEERING & CONSTRUCTION
MANAGEMENT DEPT
2ND FLOOR
EL PASO TX 79901
United States

Dispatch Via Print		
Purchase Order CEP35-2500000161	Date 01-07-2025	Revision
Payment Terms Net 30	Freight Terms DEST	Ship Via
Buyer Prieto, Norma	Phone/ Email PrietoNX@elpasotexas.gov	Currency USD

Supplier: 1000039945
ZTEX Construction Inc
1326 Henry Brennan Dr
EL PASO TX 79936-6803
United States

Ship To: CID
218 N. CAMPBELL
CAPITAL
IMPROVEMENT
DEPARTMENT
2ND FLOOR
EL PASO TX 79901
United States

Attention: LOPEZ, NANCY

Bill To: 300 N. Campbell
FINANCIAL SERVICES
EL PASO TX 79901
United States

Tax Exempt? Y		Tax Exempt ID: 746000749		Replenishment Option: Standard			
Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
3 - 1	FRONTERA AT ROXBURY DRIVE - TRAFFIC SIGNALS IMPROVEMENTS		1.00	AMT	461450.60	461450.60	01/07/2025

Contract ID: 2024-0472

Version: 1

Contract Line: 0

Schedule Total
Release: 3

461450.60
Category Line: 0

Total Amount: 0.000
Total Quantity: 0.00

Amount Open: 0.000
Quantity Open: 0.0000

Item Total 461450.60

4 - 1	HAWKINS AT WH BURGESS - TRAFFIC SIGNALS IMPROVEMENTS		1.00	AMT	635509.30	635509.30	01/07/2025
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Contract ID: 2024-0472

Version: 1

Contract Line: 0

Schedule Total
Release: 4

635509.30
Category Line: 0

Total Amount: 0.000
Total Quantity: 0.00

Amount Open: 0.000
Quantity Open: 0.0000

Item Total 635509.30

IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS OF
CONTRACT NO. 2024-0472, MOTION DATED 08/13/2024. ALL CONTRACT
TERMS APPLY. THIS CONTRACT IS SUBJECT TO RETAINAGE.

PREVAILING WAGE RATES APPLY FOR CONSTRUCTION PROJECTS WITH
A VALUE GREATER THAN OR EQUAL TO \$2,000.

PURCHASE ORDER REQUESTED BY NANCY LOPEZ, APPROVED BY
BRAD THOMPSON.

NOTICE: By issuing this Purchase Order, the City neither waives nor renounces any or all claims and/or rights that it may have including but not limited to the claims and rights the City may have arising out of or related to any breach of this or any other contract the City may have with this vendor.

Authorized Signature

Purchasing Director



Total PO Amount

2,557,478.40

NOTE: Unless Reference is made to a specific Contract, this Purchase order is subject to the City of El Paso's standard purchase order terms and conditions. The Terms and Conditions may be viewed on our web site at: <https://www.elpasotexas.gov/purchasing/>. Please reference Purchase Order on **250000161** all Invoices, Packing Slips and Correspondence.

Purchase Order

Page: 3 of 3

Construction & Engineering

218 N. CAMPBELL
ENGINEERING & CONSTRUCTION
MANAGEMENT DEPT
2ND FLOOR
EL PASO TX 79901
United States

Dispatch Via Print		
Purchase Order CEP35-2500000161	Date 01-07-2025	Revision
Payment Terms Net 30	Freight Terms DEST	Ship Via
Buyer Prieto, Norma	Phone/ Email PrietoNX@elpasotexas.gov	Currency USD

Supplier: 1000039945
ZTEX Construction Inc
1326 Henry Brennan Dr
EL PASO TX 79936-6803
United States

Ship To: CID
218 N. CAMPBELL
CAPITAL
IMPROVEMENT
DEPARTMENT
2ND FLOOR
EL PASO TX 79901
United States

Attention: LOPEZ, NANCY

Bill To: 300 N. Campbell
FINANCIAL SERVICES
EL PASO TX 79901
United States

Tax Exempt? Y

Tax Exempt ID: 746000749

Replenishment Option: Standard

Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
----------	------------------	--------	----------	-----	----------	--------------	----------

FOR INFORMATION REGARDING THIS PURCHASE ORDER CONTACT
ALFREDO CHAVEZ JR. @ 915-212-1820.

E-MAIL INVOICES TO PAYAPPLICATION@ELPASOTEXAS.GOV.

THE CITY OF EL PASO IS TAX EXEMPT. TAX ID # 74-6000749.

Total PO Amount

2557478.40

NOTICE: By issuing this Purchase Order, the City neither waives nor renounces any or all claims and/or rights that it may have including but not limited to the claims and rights the City may have arising out of or related to any breach of this or any other contract the City may have with this vendor.

Authorized Signature

Purchasing Director



Total PO Amount

2,557,478.40

NOTE: Unless Reference is made to a specific Contract, this Purchase order is subject to the City of El Paso's standard purchase order terms and conditions. The Terms and Conditions may be viewed on our web site at: <https://www.elpasotexas.gov/purchasing/>. Please reference Purchase Order on **2500000161** all Invoices, Packing Slips and Correspondence.

PeopleSoft GL
BUDGET STATUS REPORT

Page No. 1
Run Date 05/14/2025
Run Time 15:38:36

Report ID: GLS8020
Bus. Unit: CEP01--City of El Paso
Ledger Grp: DETAIL_CC -- EXPENSE DETAIL LEDGER
Currency : USD
Chartfields Criteria
Account: All values
Project: PCP23D1TSGNLPN7

Department: All values
Grant: All values

Fund: All values
Budget Period: All values

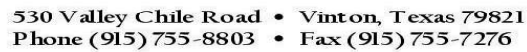
Division: All values

Program: All values

<u>Account</u>	<u>Department</u>	<u>Fund</u>	<u>Division</u>	<u>Program</u>	<u>Budget</u>	<u>Assoc Revenue</u>	<u>PreEncumbrance</u>	<u>Encumbrance</u>	<u>Expense</u>	<u>Remaining</u>
<u>Project</u>	<u>Grant</u>		<u>Budget Period</u>							
Acct Descr										
580160	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
ARCHITECTURE AND DESIGN (CWIP)					0.00	0.00	0.00	0.00	0.00	0.00
580210	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
CITY ENGINEERING CHARGES (CWIP)					11,891.00	0.00	0.00	0.00	14,248.41	-2,357.41
580220	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
CITY ADMIN CHARGES (CWIP)					1,948.50	0.00	0.00	0.00	0.00	1,948.50
580230	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
CITY CONSTRUCT CHARGES (CWIP)					15,588.00	0.00	0.00	0.00	0.00	15,588.00
580235	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
CONSTRUCTION MGT (CWIP)					0.00	0.00	0.00	0.00	0.00	0.00
580240	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
TESTING (CWIP)					5,000.00	0.00	0.00	8,860.00	0.00	-3,860.00
580260	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
INSPECTIONS (CWIP)					15,588.00	0.00	0.00	0.00	0.00	15,588.00
580270	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
CONSTRUCTION (CWIP)					982,384.41	0.00	0.00	925,101.40	416.10	56,866.91
580272	190	4825	29110							
PCP23D1TSGNLPN7			ALLYEARS							
CONSTRUCTION CONTINGENCY					48,991.35	0.00	0.00	0.00	0.00	48,991.35
Grand Total :					1,081,391.26	0.00	0.00	933,961.40	14,664.51	132,765.35

End of Report

Date Prepared: 5/5/2025
12:07 PM



Original Quote: 1/18/2025
Revised Quote: 5/5/2025
Quote No.: 2433
Telephone: (915) 591-6900
Cell: (915) 493-0003
E-mail: ENavarro@ztexconstruction.com

Line	Description	Qty.	UOM	Cost	Extension
PROPOSED WORK/CHANGES TO BASE BID II IN RESPONSE TO RFP #2:					
1	ORIGINAL CONTRACT PRICE FOR 628-6128 ELC SRV TY D 120/240 060 (NS)GS (N)GC(O) (TYPE OVERHEAD)	1.00	EA	\$8,000.00	\$8,000.00
2	MATERIALS ASSOCIATED WITH 628-6128 (PARTIAL CREDIT):				
*	PRE-STRESSED 30' GRANITE CONCRETE UTILITY POLE	-1.00	EA	\$1,278.00	(\$1,278.00)
*	SERVICE ENCLOSURE TYPE D, 60A/2P MAIN BREAKER, 50A/1P BRANCH BREAKER, HUB & PADLOCK	-1.00	EA	\$300.00	(\$300.00)
*	MISCELLANEOUS ELECT. MATERIALS FOR 2 EACH TYPE "O" SERVICES, INCLUDES:	-1.00	LS	\$800.48	(\$800.48)
	MILBANK U9551RXL METER ENCLOSURE				
	2" METER SOCKET HUB				
	WEATHERHEAD				
	5/8" X 8" GROUND ROD				
	5/8" GROUND ROD CLAMP				
	1-5/8" X 1-5/8" UNI-STRUT, GALVANIZED				
	7/8" X 1-5/8" UNI-STRUT, GALVANIZED				
	2" STRUT STRAP				
	#6 BARE SOLID CU CONDUCTOR (GROUND)				
	#2 THHN CU CONDUCTORS (INSULATED)				
	#6 THHN CU CONDUCTORS (INSULATED)				
	2" GRC CONDUIT				
	2" GRC CONDUIT COUPLINGS				
3	628-6151 ELC SRV TY D 120/240 060 (NS)SS(N)PS(U), (PEDESTAL, TYPE UNDERGROUND) INCLUDES:				
*	CONCRETE FOUNDATION FOR PEDESTAL SERVICE	1.00	EA	\$1,668.53	\$1,668.53
*	PEDESTAL ELECTRICAL SERVICE PANEL W/ENCLOSED METER SOCKET, 60A/2P MAIN BREAKER, 1-50A/1P BRANCH BREAKERS, ANCHOR BOLTS & PADLOCKS.	1.00	EA	\$6,604.44	\$6,604.44
4	FURNISH, INSTALL & PROGRAM CELLULAR MODEM	1.00	EA	\$11,047.92	\$11,047.92

Sheet 1 of 5

Proposal's Backup Documentation

Date Prepared: 5/5/2025
12:07 PM

Inclusions:

1. All labor, materials and equipment required to carry-out the work. This applies only to any items of work in the "Proposed Work/Changes to Base Bid II" category (marked in blue).
2. Clean up and proper disposal of spoils when pouring concrete foundation for the proposed pedestal service.
3. Programming of timing settings into signal controller. Timing sheets provided by the City of El Paso.

Exclusions: These exclusions only apply to tri-state. ZTEX will provide the items listed as per contract.

1. Traffic control, lane closures or TMA. Provided by ZTEX Construction.
2. Coordination with El Paso Electric for underground service connection.
3. Survey/marketing of proposed location of proposed pedestal service.
4. Payment and performance bonds.
5. Coordination with COEP for final acceptance.
6. Permitting or government agency fees of any kind.
7. Removal and restoration of landscaped areas.
8. Engineering and layout.
9. As-Built drawings.

Quote Approved By:



Manuel Carreon Jr. - Director of Operations

Date Submitted:

5/5/2025

Proposal's Backup Documentation

TRI-STATE ELECTRIC LTD.



PROJECT: INSTALL TRAFFIC SIGNALS
 SOLICITATION: 2024-0472
 HIGHWAY: PDN/NORTHWESTERN
 PDN/WEST TOWN MP
 COUNTY: EL PASO
 TSEJOB NO.: 2433
 QUOTE DATE: 5/5/2025

COST BREAKDOWN TYPE O MISC. MATERIALS

DESCRIPTION OF ACTIVITIES: MISCELLANOUES MATERIALS TYPE O SERVICE (CREDIT)

DESCRIPTION	QTY	UNIT	MATERIAL	
			UNIT	EXTENSION
2-GRC GALV RIGID CONDUIT	22.00	LF	\$ 8.92	\$ 196.24
THHN-2 BLK-19STR CU CONDR.	72.00	LF	\$ 1.73	\$ 124.56
U9551-RXL MILBANK 200A METER	1.00	EA	\$ 240.40	\$ 240.40
SOCKET				
A7517 MILBANK 2-INCH HUB	1.00	EA	\$ 8.46	\$ 8.46
5/8" X 8' GROUND ROD	1.00	EA	\$ 18.26	\$ 18.26
5/8" GROUND ROD CLAMP (GRC58)	1.00	EA	\$ 2.95	\$ 2.95
BARE -SOLID-6-SOL CU CONDR.	12.00	LF	\$ 0.60	\$ 7.20
1-5/8" X 1-5/8" UNISTRUT GALV.	2.50	LF	\$ 3.23	\$ 8.08
7/8" X 1-5/8" UNISTRUT GALV.	5.00	LF	\$ 1.15	\$ 5.75
2-INCH GRC COUPLING	1.00	EA	\$ 8.99	\$ 8.99
2-INCH HDG STRUT STRAP	5.00	EA	\$ 1.50	\$ 7.50
WEATHERHEAD	1.00	EA	\$ 12.00	\$ 12.00
MATERIAL SUBTOTAL			\$	640.39

MATERIAL SUBTOTAL			\$ 640.39
COMPENSATION (25%)	0.25	%	\$ 160.10

MISC. MATERIAL TOTAL (PER EACH TYPE O SERVICE) **\$ 800.48**

Proposal's Backup Documentation

TRI-STATE ELECTRIC LTD.



PROJECT: INSTALL TRAFFIC SIGNALS
 SOLICITATION: 2024-0472
 HIGHWAY: PDN/NORTHWESTERN
 PDN/WEST TOWN MP
 COUNTY: EL PASO
 TSEJOB NO.: 2433
 QUOTE DATE: 5/5/2025

COST BREAKDOWN

DESCRIPTION OF ACTIVITIES:

CONSTRUCT (FORM & POUR) CONCRETE FOUNDATIONS
 FOR UNDERGROUND SERVICE - PRICE PER EACH

DESCRIPTION	QTY	UNIT	MATERIAL	
			UNIT	EXTENSION
Concrete Class C (Jobe Materials)	1.00	CY	\$ 518.50	\$ 518.50
Plywood	2.00	EA	\$ 42.50	\$ 85.00
#4 Rebar	50.00	LF	\$ 0.75	\$ 37.50
Tie Wire	2.00	EA	\$ 2.68	\$ 5.37

MATERIAL SUBTOTAL \$ 646.37

MATERIAL SUBTOTAL			\$ 646.37
COMPENSATION (25%)	0.25	%	\$ 161.59

MATERIAL TOTAL \$ 807.96

LABOR	HOURS	RATE	EXT
Cesar Irigoyen #23	9.00	\$ 24.00	\$ 216.00
Juan Torres #965	9.00	\$ 19.00	\$ 171.00
Juan M Martinez #291	9.00	\$ 21.75	\$ 195.75
LABOR BURDEN (55%)	0.55	%	\$ 320.51
COMPENSATION (25%)	0.25	%	\$ 145.69

LABOR TOTAL \$ 1,048.95

EQUIPMENT	HRS	RATE	EXT
U-49 2000 Peterbilt 385 Dump Truck	9.00	\$ 57.04	\$ 513.36
TR-130 2008 Kaufman Trailer	9.00	\$ 4.77	\$ 42.93
EXC-17 2018 Deere 35G Compact Excavator	9.00	\$ 23.94	\$ 215.46
T-232 2008 Ford F-250 4x4 Utl Bed	9.00	\$ 16.33	\$ 146.97
T-153 2000 Freightliner FL70 Utl Truck.	9.00	\$ 40.93	\$ 368.37
COMPENSATION (15%)	0.15	%	\$ 193.06

EQUIPMENT TOTAL \$ 1,480.15

GRAND TOTAL (2 EACH FOUNDATIONS)	\$ 3,337.06
PRICE PER FOUNDATION	\$ 1,668.53

Proposal's Backup Documentation

TRI-STATE ELECTRIC LTD.



PROJECT: INSTALL TRAFFIC SIGNALS
 CONTROL: 2024-0472
 HIGHWAY: PDN/NORTHWESTERN
 PDN/WEST TOWN MP
 COUNTY: EL PASO
 TSEJOB NO.: 2433
 QUOTE DATE: 5/5/2025

COST BREAKDOWN

DESCRIPTION OF ACTIVITIES: FURNISH & INSTALL PEDESTAL SERVICE PANEL & MAKE
 ELECTRICAL CONNECTIONS - PRICE PER EACH

DESCRIPTION	QTY	UNIT	MATERIAL	
			UNIT	EXTENSION
Pedestal electrical service panel w/ enclosed meter socket, 60A/2P main breaker, 1-50A/1P branch breakers, anchor bolts and padlocks.	1.00	EA	\$ 4,100.00	\$ 4,100.00
11oz Silicone I	1.00	EA	\$ 4.50	\$ 4.50
#6 Bare Solid CU Conductor	15.00	EA	\$ 0.60	\$ 9.00
5/8" x 10' Ground Rod	1.00	EA	\$ 18.26	\$ 18.26
5/8" Ground Rod Clamp	1.00	EA	\$ 2.95	\$ 2.95

MATERIAL SUBTOTAL \$ 4,134.71

MATERIAL SUBTOTAL			\$ 4,134.71
COMPENSATION (25%)	0.25	%	\$ 1,033.68

MATERIAL TOTAL \$ 5,168.39

LABOR	HOURS	RATE	EXT
Norberto Martinez (#297)	8.00	\$ 26.50	\$ 212.00
Luis Castañon (#584)	8.00	\$ 27.00	\$ 216.00
Jonatan Garcia (#746)	8.00	\$ 18.00	\$ 144.00
LABOR BURDEN (55%)	0.55	%	\$ 314.60
COMPENSATION (25%)	0.25	%	\$ 143.00

LABOR TOTAL \$ 1,029.60

EQUIPMENT	HRS	RATE	EXT
T-98 2006 Ford F-350 Utl. Truck	8.00	\$ 21.93	\$ 175.44
T-171 2004 Ford F-350 Stake Bed	8.00	\$ 22.25	\$ 178.00
COMPENSATION (15%)	0.15	%	\$ 53.02

EQUIPMENT TOTAL \$ 406.46

TOTAL EACH PEDESTAL SERVICE PANEL **\$ 6,604.44**



Proposal's Backup Documentation

1150 Southview Drive, El Paso, TX 79928

915-298-9900

www.jobematerials.com

To:	TRI-STATE ELECTRIC LTD	Contact:	Alex Motta
Address:	530 VALLEY CHILE ROAD VINTON, TX 79821	Phone:	915-726-4177
Project Name:	COEP – Traffic Signal Improvements Re-Bid	Bid Number:	
Project Location:	Paseo Del Norte / Frontera Rd. / Hawkins Blvd., El Paso, TX	Bid Date:	4/24/2024

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
01	TXDOT 2014 Concrete Class A Price Good Thru December 31, 2024 Pricing After Dec. 31, 2024 Will Be Quoted Upon Request *	135.00	CY	\$140.00	\$18,900.00
02	TXDOT 2014 Concrete Class B Price Good Thru December 31, 2024 Pricing After Dec. 31, 2024 Will Be Quoted Upon Request *	5.00	CY	\$135.50	\$677.50
03	TXDOT 2014 Concrete Class C (Drilled Shafts) Price Good Thru December 31, 2024 Pricing After Dec. 31, 2024 Will Be Quoted Upon Request *	45.00	CY	\$153.50	\$6,907.50
04	2-Sack Backfill Price Good Thru December 31, 2024 Pricing After Dec. 31, 2024 Will Be Quoted Upon Request *	1.00	CY	\$128.00	\$128.00
05	TXDOT 2014 Item 132-6001 Embankment Type A 20 Ton Min Loads Will Apply Price Good Thru December 31, 2024 Pricing After Dec. 31, 2024 Will Be Quoted Upon Request *	175.00	TON	\$15.59	\$2,728.25
06	HMAC – TXDOT 2014 Type B W/ PG 70-22 Oil Or As Modified With RAP Base Price Good Thru April 30, 2024 Floating Details Will Apply Per Terms & Conditions Asphalt Oil Adjustment Procedures Below 20 Ton Min Loads Will Apply The Acceptance Of Our HMAC Will Be At Our Asphalt Plant:	105.00	TON	\$84.00	\$8,820.00

Proposal's Backup Documentation

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	Because Of The Variability Of Test Results When Samples Are Taken From The Mat Behind The Paving Machine, Jobe Materials Will Not Accept Any Price Reductions For Test Assessed In This Manner. The Degree In Variability Is Related To The Paving Operation And How Uniform The Mix Is Being Distributed By The Paver Which We Have No Control Over.				
	*				
07	HMAC – TXDOT 2014 Type C – Picked Up W/ PG 70-22 Oil Or As Modified With RAP	4.00	TON	\$84.00	\$336.00
	Add: \$200.00/Load For Delivery Fee				
	Base Price Good Thru April 30, 2024				
	Floating Details Will Apply Per Terms & Conditions Asphalt Oil Adjustment Procedures Below				
	20 Ton Min Loads Will Apply				
	The Acceptance Of Our HMAC Will Be At Our Asphalt Plant:				
	Because Of The Variability Of Test Results When Samples Are Taken From The Mat Behind The Paving Machine, Jobe Materials Will Not Accept Any Price Reductions For Test Assessed In This Manner. The Degree In Variability Is Related To The Paving Operation And How Uniform The Mix Is Being Distributed By The Paver Which We Have No Control Over.				
	*				
Total Bid Price:				<u>\$38,497.25</u>	

Notes:

- HMAC Incidental Items

Bonus & Penalty

Buyer and Seller agree to equally share any bonus or penalty on asphalt production and placement however, any bonus or penalty for ride quality will be the Buyers responsibility. Jobe Materials L.P. will supply a laboratory for QC & QA testing (TXDOT) and profile machine for Type B roadway testing.

*

- Concrete Incidental Items

*** Any Integral Color to Be Added In Concrete Pricing Will Be Provided Upon Selection of Architect ***

Note: For Items above that require straight cement there will be an added charge of \$4.00 / CY

Add: For 3/4" Aggregate In Concrete (Unless Specified Above) ADD: \$2.00 / CY

Add: For Super plasticizer In Concrete ADD: \$6.00 / CY

Add: For Concrete Cooling / Heating Temperature Control Quoted Upon Request
(cost is not inclusive of unit prices)

A \$350.00 Per Load Haul Charge Will Apply To Orders from 1 CY–21/2 CY and \$250.00 To Orders from 3 CY–41/2 CY.
30 Minute Free Unloading Time. Thereafter \$2.00 Per Minute Waiting Time Will Apply.

*

Proposal's Backup Documentation

- Environmental & Fuel Surcharge

Add: For Environmental Impact Fee

Add: \$10.00 / Load

For Ready-Mixed Concrete Trucks
or Any Material Trucks

Add: Fuel Surcharge Per Load

See Exhibit A Attached

For Ready-Mixed Concrete Trucks
or Any Material Trucks

*

- **For any and all claims brought against Jobe in relation to, or arising out of this Proposal, the total liability of Jobe shall not exceed and is limited to the purchase price of the materials sold by Jobe to Customer.**

*

- These Prices will Remain Valid as noted above.

*

- Jobe's quote is a package offer. The prices quoted in this offer are contingent upon Jobe Materials, L.P. receiving all items. If an item is deleted or the Contractor chooses not to use Jobe Materials, L.P. on certain items, then the prices are subject to change.

*

- Unless otherwise stated, the quoted prices are subject to normal daytime work only. Nighttime work, Sundays, and holidays will be quoted on request.

*

- Quantities are not guaranteed and should not be used for estimating purposes.

*

- Sales are subject to Jobe Materials, L.P.'s approval of customers' credit. No sales, use, gross receipts taxes, or any other taxes are included in our prices.

*

- All aggregate materials are quoted delivered in belly dumps unless otherwise stated. A \$3.00 extra fee per ton will be charged for delivery in Super 18s and end dumps.

*

- There is a 20-ton minimum load requirement on all aggregate material orders. Less than 20-ton per load deliveries will be quoted upon special request.

*

- Because of the volatility in the Cement, Fly-Ash, Oil and Steel markets, and in order for Jobe to secure its prices for key materials, the prices in Jobe's quote are subject to change unless Jobe receives a signed letter of intent from the Contractor that it will accept Jobe's complete bid not later than seven (7) days after the Bid Date. The commitment to purchase from us is subject to the award of the contract to the Contractor by the Owner of the Project.

*

- For Asphalt Oil Adjustment: Our price is subject to an oil adjustment for PG64-22 as explained below:

We will calculate the difference in the cost of oil on bid day verses the price of oil on production day.

For Example:

Bid day April 2024 price of PG 64-22 oil is \$650.00 per ton. Production day price is \$750.00 per ton. The difference is \$100.00 per ton. Most mix designs have about 5% oil, so the increase would be \$5.00 per ton of hot mix. Conversely, if the price of oil went down to \$550.00 per ton, the price of hot mix would go down \$5.00 per ton based on a bid day price of oil of \$650.00 per ton.

*

- Jobe is applying a Fuel Surcharge to all loads of concrete, asphalt, and aggregate delivered to its customers. Jobe's Fuel Surcharge terms are attached hereto as Exhibit "A," and incorporated herein.

*

- To maintain a safe work environment for all persons at the job site, Jobe Materials, L.P. ("Jobe") reserves the right to refuse delivery of its products if any Jobe employee onsite observes that the access roads provided are unsafe in any way.

*

- Jobe is required to comply with "Hours of Service of Drivers" and the regulations set forth in "49 CFR Part 395," which limit drivers' work hours per day and within a seven (7) day period. Jobe shall not be expected to operate any facility for hours per day or per week in excess of those permitted for the drivers servicing such facility under 49 CFR Part 395 or that would cause the driver serving such facility to be in violation of 49 CFR Part 395. Jobe shall have the right to terminate any production from a facility at any appropriate hour or time on any day so that its drivers serving such facility will remain in compliance with 49 CFR Part 395. Jobe will inform the Contractor's representative at least two (2) hours in advance of any anticipated shutdown because of lack of driver hours on any specific day.

*

- Contractor will be responsible for building and maintaining any access roads needed to enter and exit project to accommodate at least 25 mph traffic. Contractor will be responsible for maintaining all traffic control measures needed to enter and exit Project. Contractor will be responsible for all dust control on the Project.

*

- Contractor is responsible for providing and maintaining a washout area for all concrete no further than 1/4 mile from where concrete is being poured.

*

- If any governmental entity or private entity controlling a required access requires any upgrade, construction, improvements, repairs, maintenance, or upkeep of any governmental entity or private entity roadway or a right of way that is being negatively impacted by the heavy construction traffic for the Project (including Jobe's trucks in that construction traffic), it shall be Contractor's responsibility and obligation to resolve, at its expense, any obligation for road or right-of-way upgrade, construction, improvements, repairs, maintenance, or upkeep required by any governmental entity or private entity for use of a governmental entity or private entity roadway or right of way as a result of the heavy construction traffic for the Project.

*

Proposal's Backup Documentation

- **PROJECT AND DELIVERY SCHEDULE** – Contractor shall provide to Jobe its schedule for this project reflecting when it anticipates the delivery of materials from Jobe to Contractor and will keep Jobe informed of any changes or adjustments to such schedule as the work progresses. Concrete pours and aggregate material deliveries must be coordinated 3-4 days in advance. Similarly, Jobe shall keep Contractor informed as to whether Jobe can comply with Contractor's schedule based upon supply chain issues and market conditions.
*
- **FORCE MAJEURE** - Jobe cannot guarantee performance of its contractual obligations or delivery of products if its operations are affected or restricted in the future by unforeseeable causes, including but not limited to: COVID-19 or a similar national pandemic, elements of nature or Acts of God, fire, flood, earthquake, acts of war, terrorism, riots, strikes, work stoppages, and government restrictions or government actions. In the event that such an unforeseeable cause occurs, Jobe may request a time extension to deliver its products to Contractor. If the time extension is denied, Contractor may seek to acquire the products covered by this quote from another party. However, if Jobe is unable to deliver its products due to an unforeseeable cause, Jobe shall not be liable to Contractor for any damages as a result of such failure.
*
- **SUPPLY CHAIN AND MARKET CONDITIONS** - Jobe cannot guarantee performance of its contractual obligations or delivery of materials if its operations are affected, limited, or restricted by supply chain shortages and/or market conditions. Jobe will make reasonable efforts to procure components and ingredients required for the production of Jobe's products covered by this quote. In the event that, despite reasonable efforts, Jobe is unable to acquire components and ingredients necessary for its products, Jobe may request a time extension to deliver its products to Contractor. If the time extension is denied, Contractor may seek to acquire the products covered by this quote from another party. However, if, despite reasonable efforts, Jobe is unable to acquire components and ingredients necessary for production of its products, Jobe shall not be liable to Contractor for any damages as a result of such failure.
*
- **HEATING AND COOLING EXPLANATION FOR CONCRETE** - Jobe will provide chilled water and/or heated water to help meet temperature specifications. When concrete needs to be cooled to meet temperature specifications, chilled water is used first, and in most cases that will suffice. However, Jobe cannot guarantee that only using chilled water in the production of ready-mix concrete will make the concrete meet temperature specifications. In instances when the Contractor needs to place concrete in extremely hot ambient temperatures or has a mass placement of very low temperature specification, liquid nitrogen would be necessary. Liquid nitrogen should assure required concrete placement temperature. In Jobe's experience when liquid nitrogen is used it is economically advantageous to combine nitrogen use with chilled water. Chilling water when liquid nitrogen is needed reduces the quantity of liquid nitrogen required. When concrete needs to be heated in order to meet temperature specifications Jobe will use heated water with direct fired water heaters at its batch plant. In most cases heated water will allow the concrete to meet temperature specifications in our climate when the ambient temperature is 40 degrees and rising and the weather has not been extremely cold the previous day. Jobe cannot guarantee concrete supplied will meet specifications with heated water alone. If the Contractor is required to pour concrete when the ambient temperature is very cold and the Contractor chooses to tent or otherwise heat the placement area, heated water may not be enough and the aggregates would have to be steamed. Jobe has not had an occasion in our climate where steamed aggregates and hot water did not meet the minimum temperature specifications. If Nitrogen is necessary, Jobe will provide the equipment and man power necessary. The Contractor will pay for any Nitrogen used including initial tank filling at Jobe's cost, plus 30%. Additionally, Jobe will charge \$7.00 per cubic yard for injecting the nitrogen. Generally, for mass placement requiring 75° concrete, Jobe has used 12-15 gallons per cubic yard in moderate temperature. For 85° concrete in summer, Jobe generally uses 8-12 gallons per cubic yard. If steamed aggregate is needed, Jobe will charge \$5,000.00 to set up a steam generator and \$750.00 per day to run the steam generator.
*
- **PAYMENT TERMS** - Payment in full of all invoices for goods, materials, products, and/or services delivered during a calendar month shall be due and payable to Jobe on or before the 10th day of the month prox. (For example, if goods and materials are invoiced in a specific calendar month, then payment for such goods and materials shall be due and payable in full on or before the 10th day of the succeeding calendar month.) There shall be no retainage withheld on any payment due from Contractor to Jobe pursuant to the terms hereof. There shall be no cash discount periods applied to any invoices.
*
- Nothing herein shall be construed as a waiver or prohibition of Jobe making a claim against any payment bond for this Project or otherwise giving notice under any appropriate or applicable bond statute for past due months.
*
- **UNIT PRICE CONTROLS AND PREVAILS** - The Unit Prices quoted in Jobe's Price Quote control and prevail over any Estimated Totals provided within the Price Quote. The Estimated Totals provided are non-binding, are included within the Price Quote solely for informational purposes for the Contractor, and are subject to change due to increases and/or decreases of the quantities of Jobe's products required by the Contractor. The Unit Prices are subject to change as indicated in the Price Quote.
*

Proposal's Backup Documentation

- EXHIBIT A

FUEL SURCHARGE

FOR BIDS LETTING AFTER APRIL 25, 2022

Due to the recent rise and volatility in fuel prices, for all Bid Price Quotes made on or after April 25, 2022, Jobe Materials, L.P. ("Jobe") will apply a fuel surcharge (the "Fuel Surcharge") to all loads of concrete, asphalt, and aggregate delivered to its customers. This surcharge is necessary for Jobe to continue to provide its products and services regardless of the price of fuel.

The Fuel Surcharge amount will be determined on a monthly basis. The Fuel surcharge amount to be charged to all loads delivered by Jobe in a calendar month will be based on the average price for a gallon of diesel in the preceding month (the "Average Diesel Price"), in the Rocky Mountain Region, as issued by the United States Department of Energy, Energy Information Administration (EIA). (https://www.eia.gov/dnav/pet/pet_pri_gnd_dcus_r40_m.htm). The table below details the Fuel Surcharge amount that will be applied to each load of concrete, asphalt, and aggregate delivered based upon the Average Diesel Price in the preceding month.

AVERAGE PRICE PER GALLON OF DIESEL IN THE PRECEDING MONTH (\$USD) AMOUNT OF FUEL SURCHARGE PER LOAD (\$USD)

\$4.41-\$4.60=\$5.00
\$4.61-\$4.80=\$10.00
\$4.81-\$5.00=\$15.00
\$5.01-\$5.20=\$20.00
\$5.21-\$5.40=\$25.00
\$5.41-\$5.60=\$30.00
\$5.61-\$5.80=\$35.00
\$5.81-\$6.00=\$40.00
\$6.01-\$6.20=\$45.00
\$6.21-\$6.40=\$50.00
\$6.41-\$6.60=\$55.00
\$6.61-\$6.80=\$60.00
\$6.81-\$7.00=\$65.00

As an example, the EIA website states that the Average Diesel Price in the month of March, 2022, was \$4.86 per gallon. Thus, the amount of Fuel Surcharge per load for all loads delivered to the project during the month of April, 2022, would have been \$15.00. As a second example, if the EIA website states that the Average Diesel Price in the month of July, 2022, is \$5.30 per gallon, then all loads delivered to the project in August, 2022 will have a Fuel Surcharge of \$25.00 per load. Conversely, if the EIA website states that the Average Diesel Price in the month of July, 2022 is \$4.30 per gallon, then there will be no Fuel Surcharge to all loads delivered to the project in August, 2022.

To be clear, there will never be a negative Fuel Surcharge. The Fuel Surcharge for each load delivered will be shown on each invoice. Jobe reserves the right to modify its Fuel Surcharge rates at any time, on an as-needed basis. Should Jobe elect to modify its Fuel Surcharge rates, it will notify its customers of any changes it makes.

The Fuel Surcharge policies described herein are fully incorporated into, and made a part of, Jobe's Bid Price Quote(s) and its Terms and Conditions.

*

ACCEPTED:

The above prices, specifications and conditions are satisfactory and hereby accepted.

Buyer: _____

Signature: _____

Date of Acceptance: _____

CONFIRMED:

Jobe Materials

Authorized Signature: _____

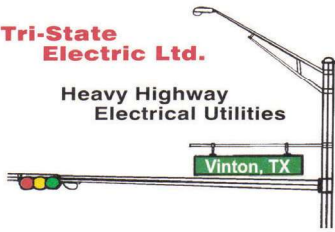
Estimator: Raul Paredes
915-298-9924 raul@jobeco.com

Proposal's Backup Documentation

PURCHASE ORDER

Page 1 of 1

**Tri-State
Electric Ltd.**



Heavy Highway
Electrical Utilities

Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

15498-2433

Purchase Order No.: 15498-2433

Date: 9/23/2024

Job No. 2433

Control No: Traffic Signal Improvements

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: WE Manufacturing & Controls, Inc.

8131 Lockheed
Houston TX 77061-
(832) 706-1866 (832) 706-1830
Trevor Mitchell
tmitchell@wemanufacturing.com

No Sales Tax 1-743022814-2

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Freight Allowed

Requested by

Dave Fuller

Contact:

Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
628-2060-001		4.00	Electric Service Enclosure D 120/240 060(NS)GS(N)GC(0) 60/2P	EA	300.0000	1,200.00
Original Type O Services						Sub Total 1,200.00
						Tax 0.00
						Total 1,200.00

Approved by: _____

Date Sent: _____

Quote # 24940

Proposal's Backup Documentation



MANUFACTURING & CONTROLS
8131 Lockheed Avenue
Houston, Texas 77061
Phone: 832-706-1866
www.we-mfg.com

Quotation

Date 04/11/24
Quotation # 24940

Quotation valid until: 05/11/24

Prepared by: Trevor Mitchell

Quoted to:

Tri State Electric
530 Valley Chili Rd
Vinton, Tx 79821

Attn: Alex Motta

Item Code	Description	Unit Price	Qty.	Amount
	City of El Paso 2024-0472 Traffic Signal Improvements			
***	TY D 120/240 060(NS)GS(N)GC(O) electrical service panel with 60A/2P main breaker, 50A/1P branch breaker, hub, and padlock	\$300.00	4	\$1,200.00
	ORIGINAL SERVICES AS PER PLAN			

Orders placed hold for release subject to price adjustment at time of release

SHIPMENT: 6 TO 8 WEEKS A.R.O.

FOB Shipping Point with freight prepaid and allowed

TOTAL **\$1,200.00**

All material remains the property of W E Manufacturing until paid in full

If you have any questions concerning this quotation, contact Trevor Mitchell 832-706-1823

THANK YOU FOR YOUR BUSINESS!

Quotation

Prepared by: Trevor Mitchell

Attn: Alex Motta

[illegible]

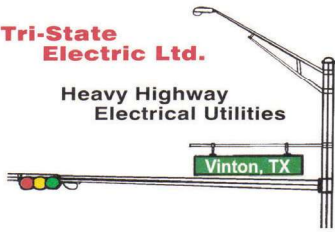
TOTAL	\$8,800.00
-------	------------

THANK YOU FOR YOUR BUSINESS!

Proposal's Backup Documentation
PURCHASE ORDER

Page 1 of 1

**Tri-State
Electric Ltd.**



Heavy Highway
Electrical Utilities

Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

15227-WH

Purchase Order No.: 15227-WH

Date: 8/17/2023

Job No. WAREHOUSE

Control No: warehouse and inventory

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: Lonestar Prestress Mfg., Inc.

8892 Highway 159 East
Bellville TX 77418-
(800) 600-1719 (713) 896-0762
Leo Rowe
sales@lonestarprestress.com

No Sales Tax 1-74-3022814-2

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Plus Freight

Requested by

Josei Oggs

Contact:

Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
302304-1		63.00	30' Type II Gray, Square Prestressed Concrete Service Pole with Exposed Pink Granite	EA	1,168.2500	73,599.75
		3.00	Freight	LS	2,100.0000	6,300.00
		3.00	Freight	LS	200.0000	600.00
Sub Total						80,499.75
Tax						0.00
Total						80,499.75

\$80,499.75 / 63 poles= \$1,277.77 each

Approved by: _____

Date Sent: _____

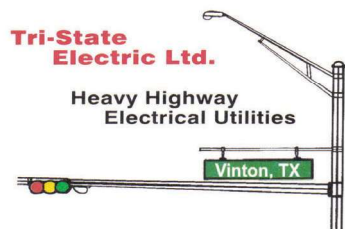
Quote # TSE 0816A

PO Revised to add more freight 2.28.24

Proposal's Backup Documentation

PURCHASE ORDER

Page 1 of 2



Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

15503-2439

Purchase Order No.: 15503-2439

Date: 9/24/2024

Job No. 2439

Control No: Temporary Service Airshow

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: Crescent Electric Supply Company

P.O. Box 26576
El Paso TX 79926-6576
(915) 774-9955 (915) 774-9966
Richard Marston
ar.dept@cesco.com

No Sales Tax 1-74-3022814-2

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Prepay & Add

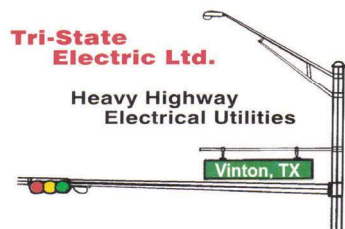
Requested by

Dave Fuller

Contact:

Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
		1.00	BRP12B100R EATON 100A LOADCENTER	EA	311.6400	311.64
		1.00	DS200H1 EATON SFTY SW HUB	EA	18.1600	18.16
		1.00	BR2100 EATON 2P-120/240V-100A CB	EA	68.5200	68.52
		1.00	BR120 EATON SP-120/240V-20A CB	EA	8.2200	8.22
		20.00	2-GRC GALV RIGID CONDUIT	LF	8.9210	178.42
		20.00	THHN-2-BLK-19STR-CU-RCL	LF	1.7345	34.69
		1.00	EC200 DOTTIE 2" ENTRANCE CAPS	EA	16.4400	16.44
		1.00	U9551-RXL MILBANK 200A 5T RL HD LVR	EA	240.4030	240.40
		1.00	A7517 MILBANK 2 INCH HUB KIT 11042	EA	8.4610	8.46
		2.00	5/8"X8'COPPER-GROUND-ROD	EA	18.2620	36.52
		2.00	GRC58 BURNDY 5/8 IN GRD ROD CLAMP	EA	2.9540	5.91
		45.00	BARE-SD-6-SOL-CU-RCL 3 @ 15 ft	LF	0.5996	26.98
		50.00	2-PVC-80-10FT-CONDUIT	LF	2.2850	114.25
		180.00	THHN-2-BLK-19STR-CU-RCL 3 @ 60 ft	LF	1.7386	312.95
		60.00	THHN-6-GRN-19STR-CU-RCL 1 @ 60 ft	LF	0.7197	43.18
		1.00	2097TRWRW P&S RADIANT SELF TEST TR WR GFI 20A 125V WH	EA	17.5180	17.52
		1.00	IHD3-1 REDDOT 3 HOLE 1/2INCH UNIV DEV BX - DEEP	EA	9.9000	9.90



Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

14513-WH

Purchase Order No.: 14513-WH

Date: 2/26/2021

Job No. WAREHOUSE

Control No: warehouse and inventory

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: HD Supply White Cap

11180 Rojas Drive, Suite A
El Paso TX 79935-
(915) 593-1210 (915) 593-6041
800-944-8322
peteserna@whitecap.net

No Sales Tax

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Prepay & Add

Requested by

Josei Oggs

Contact:

Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
ST11024-7		240.00	24" Sonotube	LF	5.7100	1,370.40
3L1020-3		100.00	3/4" 4x8 Plywood	EA	42.5000	4,250.00
3L1022-5		588.00	2x4x8 Studs	EA	7.0000	4,116.00
47442-4		10.00	Chalk Line With Chalk	EA	9.9900	99.90
Sub Total						9,836.30
Tax						8.24
Total						9,844.54

Approved by: _____

Date Sent: _____

Quote # 41434828



Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

14760-WH

Purchase Order No.: 14760-WH

Date: 11/8/2021

Job No. WAREHOUSE

Control No: warehouse and inventory

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: Copper State Bolt & Nut

11129 Pellicano Drive
El Paso TX 79935-
(915) 595-3111 (915) 595-2366
Alejandro Hernandez
ahernandez@copperstate.com

No Sales Tax 1-74-3022814-2

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Prepay & Add

Requested by

Josei Oggs

Contact:

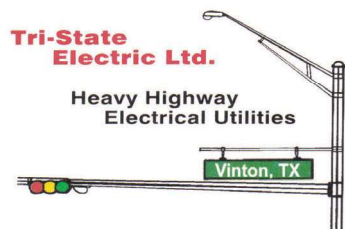
Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
21330-3		1,000.00	1-5/8 x 1-5/8 Unistrut galv slotted	LF	3.2311	3,231.10
69712-4		1,000.00	Hex Cap Screw SS 1/4-20 x 1 1/2	EA	0.1044	104.40
Sub Total						3,335.50
Tax						0.00
Total						3,335.50

Approved by: _____

Date Sent: _____

Quote # QT04138609-2



Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

12481-WH

Purchase Order No.: 12481-WH

Date: 9/1/2017

Job No. WAREHOUSE

Control No: warehouse and inventory

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: Copper State Bolt & Nut

11129 Pellicano Drive
El Paso TX 79935-
(915) 595-3111 (915) 595-2366
Alejandro Hernandez
ahernandez@copperstate.com

No Sales Tax

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Prepay & Add

Requested by

Garrett Molnar

Contact:

Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
70320-9		800.00	Wedge Anchor SS 3/8 x 2 1/4	EA	0.7601	608.09
FENWS381-9		800.00	Washer Fender 18.8 SS 3/8 x 1	EA	0.0540	43.23
25030-3		300.00	7/8 x 1-5/8 Unistrut galv slotted	LF	1.1500	345.00
CT721/2-6		2.00	carbide tipped hole saw 2 1/2"	EA	88.4100	176.82
Sub Total						1,173.14
Tax						14.59
Total						1,187.73

Approved by: _____

Date Sent: _____

Quote # QT00235016-1

Proposal's Backup Documentation
PURCHASE ORDER

Page 1 of 1



Tri State Electric Ltd

530 Valley Chile Rd
Vinton TX 79821-
(915) 755-8803 (915) 755-7276
E-116, TECL #21782
www.tseld.com

14891-WH

Purchase Order No.: 14891-WH

Date: 5/16/2022

Job No. WAREHOUSE

Control No: warehouse and inventory

Ship To: Tri State Electric Ltd
530 Valley Chile Rd
Vinton TX 79821-

To: Summit Electric Supply

7701 Lockheed Drive
El Paso TX 79925-
(915) 778-2600 (915) 772-7736
Esteban Santiago
Esteban.Santiago@summit.com

No Sales Tax 1-74-3022814-2

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Prepay & Add

Requested by

Josei Oggs

Contact:

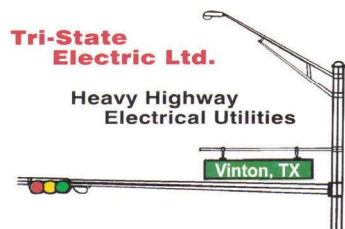
Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
136-9		94.00	2" GRC Coupling	EA	8.9900	845.06
Sub Total						845.06
Tax						0.00
Total						845.06

Approved by: _____

Date Sent: _____

Quote # 2002632839



Tri State Electric Ltd

530 Valley Chile Rd
 Vinton TX 79821-
 (915) 755-8803 (915) 755-7276
 E-116, TECL #21782
www.tseld.com

14492-WH

Purchase Order No.: 14492-WH

Date: 1/26/2021

Job No. WAREHOUSE

Control No: warehouse and inventory

Ship To: Tri State Electric Ltd
 530 Valley Chile Rd
 Vinton TX 79821-

To: CED

11500 Rojas Drive, Ste S
 El Paso TX 79936-
 (915) 592-8800 (915) 592-4338
 Alex Primero
primeroa@ced-elp.com

No Sales Tax 1-74-3022814-2

Ship Via

Deliver to 530 Valley Chile Rd

FOB

Prepay & Add

Requested by

Josei Oggs

Contact:

Josei Oggs

Item #	Barcode	Quantity	PO Item Description	UOM	U Cost	Ext Cost
30138-1		500.00	2 Pole Breakaway Fuseholder	EA	32.0000	16,000.00
160-3		2,500.00	Raychem Splicing Kit Gelcap SL 2/0 3 Hole Direct Burial	EA	13.6500	34,125.00
5884-7		200.00	1-1/2" to 3/4" Reducing Bushing	EA	5.5800	1,116.00
5885-8		100.00	1-1/2" to 1" Reducing Bushing	EA	6.5200	652.00
2532-5		500.00	3/4" CGB .375-.500 Wire Range	EA	2.8300	1,415.00
30312-5		100.00	1-1/2" Threaded Grounding Bushing	EA	3.6281	362.81
48120-7		400.00	2" Threadless Grounding Bushing	EA	4.7422	1,896.88
30317-0		1,000.00	2" Threaded Grounding Bushing	EA	4.7422	4,742.20
30330-3		1,000.00	3" Threaded Grounding Bushing	EA	13.2552	13,255.20
16100-1		200.00	1/2" Steel Locknut	EA	0.0782	15.64
16500-2		200.00	1-1/2" Steel Locknut	EA	0.3235	64.70
16800-4		500.00	3" Steel Locknut	EA	1.3773	688.65
10463-6		1,000.00	1/2" HDG Uni-Strut Strap	EA	0.9400	940.00
B2011PA114-4		200.00	1-1/4" HDG Uni-Strut Strap	EA	1.2400	248.00
14071-4		200.00	1-1/2" HDG Uni-Strut Strap	EA	1.4700	294.00
14073-0		1,000.00	2" HDG Uni-Strut Strap	EA	1.5000	1,500.00
76110-3		500.00	3/4" Clamp Back	EA	0.4100	205.00
67825-8		500.00	3/4" Conduit Strap Malleable	EA	0.5400	270.00
76120-6		500.00	1" Clamp Back	EA	0.6000	300.00
67835-0		500.00	1" Conduit Strap Malleable	EA	0.7100	355.00
69764-7		100.00	Jap Wrap	EA	0.8800	88.00
10828-1		100.00	White Phase Tape	EA	0.8287	82.87

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Rev. Dec. 2008

NAME OF CONTRACTOR ☒ OR SUBCONTRACTOR ☐		ADDRESS 530 Valley Chile Rd Vinton, TX 79821	
PAYROLL NO. 64		FOR WEEK ENDING 01/11/2025	PROJECT AND LOCATION 2126-Safety Imp., 0001-01-062 0001-01-062 Doniphan and Mesa El Paso, TX
PROJECT OR CONTRACT NO. 06213011,0001-01-062, TX 24		OMB No.: 1235-0008 Expires: 02/28/2018	

(1) Name and Individual Identifying number (e.g. last four digits of Social Security number) of worker	(2) # of W/H Emp	(3) Work Classification	(4) DAY AND DATE	(5)							(6) Rate of Pay	(7) Gross Amount Earned	(8) DEDUCTIONS				(9) Net Wages Paid For Week		
				HOURS WORKED EACH DAY									FICA	Fed W/H Tax	State & Local W/H Tax	Union Deduc- tions		Other	Total Deductions
				SUN 01/05	MON 01/06	TUE 01/07	WED 01/08	THU 01/09	FRI 01/10	SAT 01/11									
Irigoyen, Cesar H ***_**-2135	M0	TRUCK DRIVER	REG	2.00	2.00	2.00	2.00	2.00	8.00	24.00	192.00 2,934.00	224.45	233.43	114.04 Other Detail: 401K LIFE	95.93 Amt. 88.02 7.91	667.85	2,266.15 Race: HIS Gender: Male		
Irigoyen, Cesar H ***_**-2135	M0	UTILITY/SKILLE LABOR	REG	6.00	6.00	6.00	6.00	6.00	24.00	24.00	576.00 2,934.00	224.45	233.43	114.04 Other Detail: 401K LIFE	95.93 Amt. 88.02 7.91	667.85	2,266.15 Race: HIS Gender: Male		

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Public Burden Statement

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PAYROLL NO. 64		FOR WEEK ENDING 01/11/2025		PROJECT AND LOCATION 2126-Safety Imp., 0001-01-062 0001-01-062 Doniphan and Mesa El Paso, TX												
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			SUN 01/05	MON 01/06	TUE 01/07	WED 01/08				THU 01/09	FRI 01/10	SAT 01/11		FICA	Fed W/H Tax	State & Local W/H Tax
Torres, Juan	M4	UTILITY/SKILLE LABOR	REG	8.00	8.00	8.00	8.00	32.00	19.00	608.00	105.02	76.40	39.21	5.18	225.81	1,146.94
***-**-1118										1,372.75			Other Detail: MELIF	Amt. 5.18		Race: HIS Gender: Male
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Public Burden Statement

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

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			SUN 01/05	MON 01/06	TUE 01/07	WED 01/08				THU 01/09	FRI 01/10	SAT 01/11	FICA		Fed W/H Tax	State & Local W/H Tax
Martinez Perales, Juan M	M0	UTILITY/SKILLE LABOR	REG		8.00	8.00	8.00	24.00	21.75	522.00 1,310.44	99.08	106.78	26.46 Amt. 10.44 11.13 4.89	232.32	1,078.12	Race: HIS Gender: Male
***-**-9908																
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(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

NAME OF CONTRACTOR ☒ OR SUBCONTRACTOR ☐

OMB No.: 1235-0008
Expires: 02/28/2018

01/11/2025

PROJECT AND LOCATION 2126-Safety Imp., 0001-01-062
0001-01-062 Doniphan and Mesa
El Paso, TX

PROJECT OR CONTRACT NO.
06213011, 0001-01-062, TX 24

[illegible]

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			HOURS WORKED EACH DAY							FICA	Fed W/H Tax	State & Local W/H Tax	Union Deduc- tions		Other	Total Deductions					
Castanon Montiel, Luis H ***-**-1762	S0	ELECTRICIAN	SUN 01/05	MON 01/06	TUE 01/07	WED 01/08	THU 01/09	FRI 01/10	SAT 01/11	19.50	40.00	40.50	1,869.75	1,869.75	142.39	193.29	Other Detail: 401K ACC DENTA MELIF	88.12	423.80	1,445.95	His Race: Male Gender:
			OT REG				10.00	11.00	10.00	9.00	11.50	8.00	40.50	27.00	1,869.75	142.39	193.29	Other Detail: 401K ACC DENTA MELIF	88.12	423.80	1,445.95
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			SUN 01/05	MON 01/06	TUE 01/07	WED 01/08				THU 01/09	FRI 01/10	SAT 01/11		FICA
Garcia, Jonatan ***-**-7286	M0	UTILITY/SKILLE LABOR	HOURS WORKED EACH DAY				18.50	27.00	1,075.50	90.31	63.26	51.16	204.73	1,014.77
			REG	10.00	11.50	2.00								
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Public Burden Statement

UNIT 49

2000 Peterbilt 385 Dump Truck GVWR:52,000 Lbs
Vin: 1XPGDU9X5YD516593 Engine: C-12 Cat Diesel
Lic Plate Exp Month: July Tires: 11R22.5



www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for **U-49 2000 Peterbilt 385 Dump Truck** in Tri-State Electric, Ltd.

January 18, 2025

Miscellaneous 6X4 12YD 50KGVW 255HP
On-Highway Rear Dumps

Size Class:
45,001 - 60,000 lbs
Weight:
N/A



Configuration for 6X4 12YD 50KGVW 255HP

Axle Configuration	6X4	Horsepower	255.0
Maximum Gross Vehicle Weight	50000.0 lbs	Power Mode	Diesel
Struck Capacity	10.0 - 12.0 cu yd		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$3,925.00	USD \$1,100.00	USD \$275.00	USD \$41.00	USD \$39.98	USD \$62.28
Adjustments						
Region (El Paso, Texas: 98.6%)	(USD \$54.95)	(USD \$15.40)	(USD \$3.85)	(USD \$0.57)		
Model Year (2000: 77.59%)	(USD \$867.44)	(USD \$243.10)	(USD \$60.78)	(USD \$9.06)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,002.61	USD \$841.50	USD \$210.37	USD \$31.36	USD \$39.98	USD \$57.04

Non-Active Use Rates

	Hourly
Standby Rate	USD \$8.53
Idling Rate	USD \$42.34

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	48.27%	USD \$1,894.49/mo
Overhaul (ownership)	30.69%	USD \$1,204.49/mo
CFC (ownership)	10.39%	USD \$407.87/mo
Indirect (ownership)	10.65%	USD \$418.14/mo
Fuel (operating) @ USD 3.54	63.23%	USD \$25.28/hr

Revised Date: 1st quarter 2025

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (afuller@tseltd.com)

TR 130



2008 Kaufman Hpp dual Axel GVWR: 25,900 LBS
vin: 5SHFH25288B000378 Tire Size: 235/80R16
Lic Plate Exp Month:

Adjustments for **TR 130** in Tri-State Electric, Ltd.

January 18, 2025

Miscellaneous TOW 2 2 12

Non-Tilt Deck Utility Trailers

Size Class:

All

Weight:

13100 lbs


Configuration for TOW 2 2 12

Capacity	12.0 t	Hitch Type	Tow
Number Of Axles	2.0	Number Of Tires	8.0
Power Mode	Manual		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$475.00	USD \$135.00	USD \$34.00	USD \$5.00	USD \$2.35	USD \$5.05
Adjustments						
Region (El Paso, Texas: 98.1%)	(USD \$9.02)	(USD \$2.57)	(USD \$0.65)	(USD \$0.09)		
Model Year (2008: 91.27%)	(USD \$40.66)	(USD \$11.56)	(USD \$2.91)	(USD \$0.43)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$425.32	USD \$120.88	USD \$30.44	USD \$4.48	USD \$2.35	USD \$4.77

Non-Active Use Rates

	Hourly
Standby Rate	USD \$1.21
Idling Rate	USD \$2.42

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	42.14%	USD \$200.15/mo
Overhaul (ownership)	35.2%	USD \$167.19/mo
CFC (ownership)	10.56%	USD \$50.16/mo
Indirect (ownership)	12.11%	USD \$57.51/mo

Fuel cost data is not available for these rates.

Revised Date: 1st quarter 2025

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EXC 17

Proposal's Backup Documentation

2018 John Deere 35G Mini-Excavator w/Hammer
Vin: 1FF035GXJK283835 GVWR: 9,920 Lbs



o o o @ V u g h e n i o a i v s @ x h

c W O r g e l I s x o n g n P d m x W h l S k .

Adjustments for EXC-17 2018 Deere 35G Compact Excavator in Tri-State Electric, Ltd.

January 18, 2025

Deere 35G

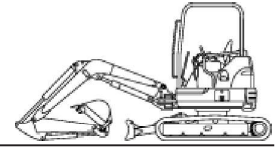
q r a o V f M x u n i e m q x h C a w i U (w a \$ a i x r l

d g e q W l l O

3.5 - 4.4 mt

H e g s i O

N/A



Configuration for 35G

A x r l e C x o e r
f C e r a i g t p r x i e w g n

23.0 hp
ROPS/FOPS

f C e r a i g t H e g s i
p x o e r M x m e

8135.0 lbs
Diesel

Blue Book Rates

-- R A H c D a i e g e V u a V i s e h x n i s v x o n e r l s g C w l i n g S e m z y 1: * C w i s e s x u r w e l i g n a i e m x C e r a i g t w l i g

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
p u z V s e m D a i e l	P d F k 2 , v * 5 0 0	P d F k * * 5 0 0	P d F k 1 * 5 0 0	P d F k 2 5 0 0	P d F k 1 0 0 b	P d F k 2 7 0 v
Adjustments						
Det g n S U M p a l x , 6 e (a l O b : 0 3 ,	P d F k 7 b 0 : .	P d F k 1 v 0 : .	P d F k v 0 * .	P d F k 0 0 2 .		
M x n e V 0 e a r 2 0 1 8 Q 1 0 0 3 ,	P d F k 0 0 8 ,	P d F k 0 0 2 ,	P d F k 0 0 1 ,	P d F k 0 0 0 ,		
c n t l i e m A x u r w f o n e r l s g C q x l i S 0 0 3 ,	E	E	E	E		
A x u r w f C e r a i g t q x l i S 0 0 3 ,					E	
Total:	USD \$2,315.26	USD \$651.01	USD \$161.53	USD \$24.47	USD \$10.79	USD \$23.94

Non-Active Use Rates

d i a n n z y D a i e

T h i g t D a i e

Hourly

P d F k * 0 8

P d F k 1 * 0 *

Rate Element Allocation

Element	Percentage	Value
F e C r e w g i g n S k o n e r l s g C	2 * 0 * 3	P d F k * v : 0 b % x
f \$ e r s a u V k o n e r l s g C	v : 0 2 3	P d F k 8 8 2 0 5 % x
q R q S k o n e r l s g C	1 : 0 2 3	P d F k 7 1 * 0 v % x
T h i g e w S k o n e r l s g C	1 8 0 3	P d F k 7 2 8 0 v % x
R u e V 0 C e r a i g t . Y P d F v 0 7	2 : 0 3	P d F k v 0 1 % r

D e \$ g e m F a i e Q 1 i V u a r i e r 2 0 2 5

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T 232



2008 Ford f-250 4X4 Utility Bed GVWR: 9,000 Lbs
Vin:1FTNF21538EB20299 5.4L gas engine
Lic Plate Exp Month: June Tires: LT245/75R17

www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for **T-232 2008 Ford F-250 4X4 Utl. Bed (5.4L Gas Engine)** in Tri-State Electric, Ltd.

January 18, 2025

Ford F-250

On-Highway Light Duty Trucks

Size Class:
300 hp & Over
Weight:
N/A



Configuration for F-250

Axle Configuration	4.0 X 4.0	Cab Type	Conventional
Horsepower	385.0 hp	Power Mode	Gasoline
Ton Rating	3.0 / 4.0		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,360.00	USD \$380.00	USD \$95.00	USD \$14.00	USD \$9.11	USD \$16.84
Adjustments						
Region (El Paso, Texas: 99.1%)	(USD \$12.24)	(USD \$3.42)	(USD \$0.86)	(USD \$0.13)		
Model Year (2008: 94.32%)	(USD \$76.53)	(USD \$21.38)	(USD \$5.35)	(USD \$0.79)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,271.23	USD \$355.20	USD \$88.80	USD \$13.09	USD \$9.11	USD \$16.33

Non-Active Use Rates

Standby Rate	Hourly	USD \$3.61
Idling Rate		USD \$12.13

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33.11%	USD \$450.33/mo
Overhaul (ownership)	37.83%	USD \$514.46/mo
CFC (ownership)	12.57%	USD \$170.93/mo
Indirect (ownership)	16.49%	USD \$224.28/mo
Fuel (operating) @ USD 3.03	53.9%	USD \$4.91/hr

Revised Date: 1st quarter 2025

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for (afuller@tseiltd.com)

T 153

Proposal's Backup Documentation



2000 Freightliner FL70 Utility GVWR: 26K
Vin# 1FVABSAK41HH50117 T Spc: 11R22.5
105psi Eng Spec: Mod 3126 Ser 8YL61566
1565HP Lic Plt: 97XWD9 Exp Month: June

www.equipmentwatch.com

All prices shown in U.S. dollars

Adjustments for T-153 2000 Freightliner FL70 Utility Truck in Tri-State Electric, Ltd.

January 18, 2025

Miscellaneous 4X2 25KGVW DSL

) n Highway - lat Red Druczs

q: e Class*

19,501 - 26,000 lbs

Weight*

9204 lbs**Configuration for 4X2 25KGVW DSL**

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	25000.0 lbs	Power Mode	Diesel

Blue Book Rates

FF - HWA v ate is ekuat to the monthly ownership cost dibided Ry 176 plus the hourly estimated operating costS

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Purhished v ates	. q3 (2,920\$0)	. q3 (680\$0)	. q3 (170\$0)	. q3 (26\$0)	. q3 (40\$1)	. q3 (94\$6)
Adjustments						
v egion UEI Paso, Texas*	U q3 (48\$2\$)	U q3 (10\$8\$)	U q3 (2\$2\$)	U q3 (0.92\$)		
T89%\$						
Model Year U2000*80\$4%\$	U q3 (958\$4\$)	U q3 (128\$4\$)	U q3 (42\$4\$)	U q3 (9.14\$)		
Adjusted Hourly) wnership Cost U100%\$	O	O	O	O		
Hourly) perating Cost U100%\$					O	
Total:	USD \$1,922.45	USD \$540.19	USD \$135.05	USD \$20.65	USD \$30.01	USD \$40.93

Non-Active Use Rates

Standby v ate	Hourly
Idling v ate	. q3 (5\$6)
	. q3 (42\$9)

Rate Element Allocation

Element	Percentage	Value
3 epreciation) wnership\$	25\$1%	. q3 (612\$0/mo)
) berhaul) wnership\$	59\$%	. q3 (1,426\$8/mo)
C- C) wnership\$	1\$2%	. q3 (225\$4/mo)
Indirect) wnership\$	10\$7%	. q3 (255\$8/mo)
- uel) perating\$@ . q3 4\$9	71\$1%	. q3 (21\$2/hr)

v ebised 3 ate* 1st kuarter 2025

These are the most accurate rates for the selected v ebision 3 ate. However, due to more frekuent online updates, these rates may not match v ental v ate Blue Booz®. Visit the Cost v ecovery Product Guide on our Help page for more informationS.

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T 98



2006 Ford F-350 4X4 Utility Bed GVWR: 10,000 Lbs
Vin: 1FDSF35556EB82993 Engine: 5.4L gas
Tires: LT265/70R18

www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for **T-98 2006 Ford F-350 4x4 Flat Bed** in Tri-State Electric, Ltd.

January 18, 2025

Miscellaneous 4X4 1 383 CREW GAS
On-Highway Light Duty Trucks

Size Class:
300 hp & Over
Weight:
N/A



Configuration for 4X4 1 383 CREW GAS

Axle Configuration	4X4	Cab Type	Crew
Horsepower	383 hp	Power Mode	Gasoline
Ton Rating	1		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$2,130.00	USD \$595.00	USD \$150.00	USD \$23.00	USD \$10.57	USD \$22.67
Adjustments						
Region (El Paso, Texas: 99.1%)	(USD \$19.17)	(USD \$5.36)	(USD \$1.35)	(USD \$0.21)		
Model Year (2006: 94.72%)	(USD \$111.38)	(USD \$31.11)	(USD \$7.84)	(USD \$1.20)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,999.45	USD \$558.53	USD \$140.81	USD \$21.59	USD \$10.57	USD \$21.93

Non-Active Use Rates

	Hourly
Standby Rate	USD \$5.68
Idling Rate	USD \$16.24

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33.11%	USD \$705.29/mo
Overhaul (ownership)	37.83%	USD \$805.73/mo
CFC (ownership)	12.57%	USD \$267.71/mo
Indirect (ownership)	16.49%	USD \$351.27/mo
Fuel (operating) @ USD 3.03	46.17%	USD \$4.88/hr

Revised Date: 1st quarter 2025

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T 171



2004 F350 Ext. Cab Stake Bed/Flat 5.4 Gas
Vin# 1FDSX34L04EC42897 GVWR: 9,900lb
Lic Plt: AL45142 Exp Month: March

www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for **T-171** in Tri-State Electric, Ltd.

January 18, 2025

Miscellaneous 4X2 1 1/4 360 CONV DSL
On-Highway Light Duty Trucks

Size Class:
300 hp & Over
Weight:
N/A



Configuration for 4X2 1 1/4 360 CONV DSL

Axle Configuration	4X2	Cab Type	Conventional
Horsepower	360.0	Power Mode	Diesel
Ton Rating	1 1/4		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,760.00	USD \$395.00	USD \$125.00	USD \$19.00	USD \$1E,E0	USD \$2E,E0
Adjustments						
Region (¼ Paso, Texas: 99.1Y)	(USD \$15.83)	(USD \$3.35)	(USD \$1.1E)	(USD \$0.17)		
Model 4 ear (2003: 90.E3Y)	(USD \$168.32)	(USD \$37.E7)	(USD \$11.96)	(USD \$1.82)		
Adjusted Hourly Ownership Cost (100Y)	-	-	-	-		
Hourly Operating Cost (100Y)					-	
Total:	USD \$1,575.74	USD \$443.18	USD \$111.91	USD \$17.01	USD \$13.30	USD \$22.25

Non-Active Use Rates

	Hourly
Standby Rate	USD \$3.38
Idling Rate	USD \$16.37

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	EE.11Y	USD \$582.78/mo
Overhaul (ownership)	E7.8EY	USD \$665.77/mo
CFC (ownership)	12.57Y	USD \$221.21/mo
Indirect (ownership)	16.39Y	USD \$290.25/mo
Fuel (operating) @ USD E.53	56.53Y	USD \$7.52/hr

Revised Date: 1st quarter 2025

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Proposal's Backup Documentation



530 Valley Chile Road • Vinton, Texas 79821
Phone (915) 755-8803 • Fax (915) 755-7276

Date: 5/5/2025
Activity: Furnish & Programming of Cellular Modem @ Paseo Del Norte & Northern Pass Dr
Project: 2024-0472 Traffic Signal Improvements-4 Intersections
TSE Job No. 2433

COST BREAKDOWN

LABOR ACTIVITY	DESCRIPTION LABORER DUTY	QTY	LABOR DOLLAR	DAYS	LABOR HOURS	TOTAL LABOR COST
Electrician	Joshua Holguin	1	\$34.00		8.00	\$272.00
Electrician	Juan Zavala	1	\$25.00		8.00	\$200.00
Labor Total					16.00	\$472.00

EQUIPMENT NUMBER	DESCRIPTION OF EQUIPMENT	QTY	COST	DAYS	HOURS	TOTAL EQUIP COST
T-190	Ford F-250 Utl Truck	1	\$20.47		8.00	\$163.76
Equipment Total					8.00	\$163.76

MATERIAL ITEM No.	DESCRIPTION OF MATERIALS	QTY	UNIT COST		EXTENDED COST
AI-500-085-02 FMU	Cellular Modem for Traffic Signals	1.00	\$7,400.00		\$7,400.00
Material Total					\$7,400.00

LABOR		\$472.00
LABOR BURDEN	55%	\$259.60
LABOR COMPENSATION	25%	\$118.00
EQUIPMENT		\$163.76
COMPENSATION	15%	\$24.56
MATERIAL		\$7,400.00
COMPENSATION	25%	\$1,850.00
SUB TOTAL		\$10,287.92
Tax Exempt		
SALES TAX	0.00%	\$0.00
ON-SITE ASSISTANCE		\$760.00
GRAND TOTAL		\$11,047.92



P.O. Box 5508 – Arlington – Texas – 76005-5508
 817.831.9406 – fax 817.831.9407
Estimating@Paradigmtraffic.com
www.paradigmtraffic.com

QUOTATION

TO: Paradigm Traffic Systems
 9001 Jameel Road, Ste. 130
 Houston, Texas 77024
 attn: Estimating Department
 ph: 713-864-7545
 fx: 713-864-7588

RFQ: TRI-STATE ELECTRIC
 CAPITOL IMPROVEMENTS- 2024-0472 ADD-ON
 LETTING DATE: 3/17/2025
 District:
 Control:
 CSJ:

DATE	SLSMN	DELIVERY OF MATERIAL	FREIGHT	SHIP VIA	F.O.B	TERMS	QTE NUMBER
3/17/2025	DJ	30 - 45 Days ARO	PPD & Allowed	Best Way	Destination	Net 30	Q36366DJ
ITEM	QTY	DESCRIPTION				UNIT PRICE	TOTAL PRICE
		PLEASE SEE NOTES THROUGHOUT THIS QUOTE					
1	1	CITY OF EL PASO CELLULAR MODEM FOR TRAFFIC SIGNALS				\$7,400.00	\$7,400.00
		NOTE Applied Information AI-500-085-02 FMU w/ Video Passthrough, Glance Video+, 5 Year Connectivity and Real Time Traffic Information					
		For any questions, comments or concerns, Please email us at : Estimating@Paradigmtraffic.com					
						TOTAL	\$7,400.00

*This quote is valid for 60 days. Thereafter it is subject to change without notice.
 *Thank you for the opportunity to submit a proposal to you on this equipment. Please reference this quotation (by Quote Number) when placing order. If you have any questions, please call or send a fax to me.
 *When sending RFQ's, PO's or RFI's, please send to ESTIMATING@PARADIGMTRAFFIC.COM

OFFERED BY:

Dan Jaynes
 Paradigm Traffic Systems, Inc.
Estimating@paradigmtraffic.com
 Federal ID# 75-2520341

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

NAME OF CONTRACTOR ☐ OR SUBCONTRACTOR ☒						ADDRESS 530 Valley Chile Rd Vinton, TX 79821							OMB No.: 1235-0008 Expires: 02/28/2018													
Tri State Electric Ltd						FOR WEEK ENDING 05/25/2024							PROJECT AND LOCATION 1906-NH 2019(063), 0374-02-097 7700 CF Jordan Drive El Paso, TX 79912							PROJECT OR CONTRACT NO. 0374-02-097, 10183227, TX 34						
PAYROLL NO. 257																										
(1) Name and Individual Identifying number (e.g. last four digits of Social Security number) of worker	(2) # of W/H Exmp	(3) Work Classification	(4) DAY AND DATE							(5)	(6) Rate of Pay	(7) Gross Amount Earned	(8) DEDUCTIONS				(9) Net Wages Paid For Week									
			SUN	MON	TUE	WED	THU	FRI	SAT	Total Hours		FICA	Fed W/H Tax	State & Local W/H Tax	Union Deductions	Other	Total Deductions									
Holguin, Joshua	S0	FOREMAN			3.00	2.00				5.00	42.50	212.50	189.36				538.17	853.14	846.86							
*** ** -4763			\$1,700 x 50 (HR) = \$34.00 (HR)									1,700.00	125.61		Other Detail:	Ded.	Amt.		Race: HIS Gender: Male							
While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits. We estimate that it will take an average of 55 minutes to complete this collection, including time for reviewing instructions searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, ESA, U. S. Department of Labor, Room S3502, 200 Constitution Avenue, N. W., Washington, D. C. 20210.																										

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.



NAME OF CONTRACTOR ☒ OR SUBCONTRACTOR ☐		ADDRESS 530 Valley Chile Rd Vinton, TX 79821																
Tri State Electric Ltd		PROJECT OR CONTRACT NO. 06213011,0001-01-062, TX 24																
PAYROLL NO. 72	FOR WEEK ENDING 03/08/2025	PROJECT AND LOCATION 2126-Safety Imp., 0001-01-062 0001-01-062 Doniphan and Mesa El Paso, TX																
(1) Name and Individual Identifying number (e.g. last four digits of Social Security number) of worker	(2) # of W/H Emp	(3) Work Classification	(4) DAY AND DATE							(5) Total Hours	(6) Rate of Pay	(7) Gross Amount Earned	(8) DEDUCTIONS				(9) Net Wages Paid For Week	
			SUN 03/02	MON 03/03	TUE 03/04	WED 03/05	THU 03/06	FRI 03/07	SAT 03/08				FICA	Fed W/H Tax	State & Local W/H Tax	Union Deduc- tions		Other
Zavala, Juan J	M0	ELECTRICIAN	REG			1.00	2.00		6.00	9.00	25.00	225.00	98.02	96.12	34.91		229.05	1,052.20
***-**-0826												1,281.25						Race: HIS Gender: Male
While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(i) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.																		
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T 190



2008 Ford F-250 Utility Bed GVWR: 8,800 Lbs
Vin: 1FTNF20548EC83920 Tires: LT245/75R17
Lic Plate Exp Month: November 5.4L engine

www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®, O&O Rates Report for T-190 2008 Ford F-250 Utl. Bed in Tri-State Electric, Ltd.

March 19, 2025

Miscellaneous 4X2 1 300 CONV GAS
On-Highway Light Duty Trucks

Size Class:
300 hp & Over
Weight:
N/A



Configuration for 4X2 1 300 CONV GAS

Axle Configuration	4X2	Cab Type	Conventional
Horsepower	300.0 hp	Power Mode	Gasoline
Ton Rating	1.0		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,980.00	USD \$555.00	USD \$140.00	USD \$21.00	USD \$10.02	USD \$21.27
Adjustments						
Region (El Paso, Texas: 98.5%)	(USD \$29.70)	(USD \$8.32)	(USD \$2.10)	(USD \$0.31)		
Model Year (2008: 94.32%)	(USD \$110.74)	(USD \$31.04)	(USD \$7.83)	(USD \$1.17)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,839.56	USD \$515.64	USD \$130.07	USD \$19.51	USD \$10.02	USD \$20.47

Non-Active Use Rates

Standby Rate	Hourly	USD \$6.50
Idling Rate		USD \$14.27

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33.11%	USD \$655.62/mo
Overhaul (ownership)	37.83%	USD \$748.99/mo
CFC (ownership)	12.57%	USD \$248.86/mo
Indirect (ownership)	16.49%	USD \$326.53/mo
Fuel (operating) @ USD 3.03	38.12%	USD \$3.82/hr

Revised Date: 1st quarter 2025

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