



Fairfield County Engineer

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FAI-CR7-1.94 Refugee Road Intersection Safety Improvements Project

ADDENDUM #1

August 18, 2023

The following information supplements and amends the original Specifications and Drawings and shall become a part of the Contract Documents:

1. Plan Sheet 18, GENERAL SUMMARY, descriptions for Item 632, Combination Signal Support, Type TC-81.22, Design 4 and 12 need switched and corrected. Revise description on General Summary, Plan Sheet 18, and revise Bid Proposal Description as follows:
 - a. REF 134, ITEM 632 5 EACH COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12
 - b. REF 135, ITEM 632 1 EACH COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4
2. Item 632E79140, COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 needs revised to 2 EACH and carried to General Summary, Plan Sheet 18; Traffic Signal Subsummary, Plan Sheet 26; and the Bid Proposal.
 - a. REF 136, ITEM 632 2 EACH COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13
3. Item 632E64010, SIGNAL SUPPORT FOUNDATION, needs revised to 10 Each. See revisions on the General Summary, Plan Sheet, 18; the Traffic Signal Subsummary, Plan Sheet 26; and the Bid Proposal.
 - a. REF 127, ITEM 632 10 EACH SIGNAL SUPPORT FOUNDATION

Be advised that Bid Proposal forms have been revised and include (Addendum #1) in the Footer.

Eric T. McCrady, P.E.
Fairfield County Deputy Engineer

Jeremiah D. Upp, P.E., P.S., County Engineer

FAIRFIELD COUNTY ENGINEER'S OFFICE
FAI-CR7-1.94 REFUGEE ROAD INTERSECTION SAFETY IMPROVEMENTS

REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	UNIT PRICE TOTAL (D)	TOTAL COST (AXD)=(E) (E)
1	201	1	LS	CLEARING AND GRUBBING		
2	201	2	EACH	TREE REMOVED, 30"		
3	202	3	EACH	HEADWALL REMOVED		
4	202	12491	SY	PAVEMENT REMOVED		
5	202	597	SF	WALK REMOVED		
6	202	58	FT	CURB REMOVED		
7	202	728	FT	PIPE REMOVED, 24" AND UNDER		
8	202	80	FT	PIPE REMOVED, OVER 24"		
9	202	195	FT	GUARDRAIL REMOVED		
10	SPECIAL	67	FT	FILL AND PLUG EXISTING CONDUIT, 18"		
11	202	16	FT	FENCE REMOVED		
12	202	1	EACH	REMOVAL MISC: LANDSCAPE ROCK REMOVED		
13	202	1	EACH	REMOVAL MISC: LANDSCAPING AND DEBRIS REMOVED		
14	202	800	FT	REMOVAL MISC: CONDUIT		
15	203	5764	CY	EXCAVATION		
16	203	4361	CY	EMBANKMENT		
17	203	30	CY	GRANULAR MATERIAL, TYPE C, "B"		
18	204	10931	SY	SUBGRADE COMPACTION		
19	204	835	CY	EXCAVATION OF SUBGRADE, AS PER PLAN		
20	204	835	CY	GRANULAR MATERIAL, TYPE C, AS PER PLAN, "A"		
21	204	40	HOUR	PROOF ROLLING		
22	204	1670	SY	GEOTEXTILE FABRIC, AS PER PLAN		
23	608	355	SF	5" CONCRETE WALK		
24	608	725	SF	CURB RAMP		
25	608	415	SF	CURB RAMP, AS PER PLAN		
26	609	334	FT	CURB, TYPE 6		
27	611	1	EACH	MANHOLE ADJUSTED TO GRADE		
28	623	8	EACH	PRIMARY PROJECT CONTROL MONUMENT, TYPE A		
29	623	10	EACH	PRIMARY PROJECT CONTROL MONUMENT, TYPE B		
30	SPECIAL	1	EACH	MAILBOX REMOVED AND RESET		
31	601	74	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER		
32	601	37	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER		
33	601	2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER		
34	601	34	FT	PAVED GUTTER, TYPE 1-2		

FAIRFIELD COUNTY ENGINEER'S OFFICE
FAI-CR7-1.94 REFUGEE ROAD INTERSECTION SAFETY IMPROVEMENTS

REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	UNIT PRICE TOTAL (D)	TOTAL COST (AXD)=(E) (E)
35	659	4	EACH	SOIL ANALYSIS TEST		
36	659	1276	CY	TOPSOIL		
37	659	2.37	ACRE	LIME		
38	659	11492	SY	SEEDING AND MULCHING		
39	659	575	SY	REPAIR SEEDING AND MULCHING		
40	659	575	SY	INTER-SEEDING		
41	659	1.6	TON	COMMERCIAL FERTILIZER		
42	659	31	MGAL	WATER		
43	659	26	MSF	MOWING		
44	670	665	SY	SLOPE EROSION PROTECTION		
45	832	1	LS	STORM WATER POLLUTION PREVENTION PLAN		
46	832	1	LS	STORM WATER POLLUTION PREVENTION INSPECTIONS		
47	832	1	LS	STORM WATER POLLUTION PREVENTION INSPECTIONS SOFTWARE		
48	832	47000	EACH	EROSION CONTROL		
49	602	15	CY	CONCRETE MASONRY		
50	605	4705	FT	4" SHALLOW PIPE UNDERDRAINS		
51	611	50	FT	4" CONDUIT, TYPE F		
52	611	280	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET		
53	611	50	FT	6" CONDUIT, TYPE F		
54	611	19	FT	6" CONDUIT, TYPE C		
55	611	50	FT	8" CONDUIT, TYPE F		
56	611	328	FT	12" CONDUIT, TYPE A		
57	611	227	FT	12" CONDUIT, TYPE B		
58	611	87	FT	12" CONDUIT, TYPE C		
59	611	164	FT	12" CONDUIT, TYPE D		
60	611	50	FT	12" CONDUIT, TYPE F		
61	611	41	FT	15" CONDUIT, TYPE C		
62	611	222	FT	18" CONDUIT, TYPE B		
63	611	126	FT	18" CONDUIT, TYPE C		
64	611	134	FT	8' X 5' CONDUIT, TYPE A, 706.05		
65	611	22	FT	CONDUIT, MISC.: 2" TYPE C		
66	611	8	EACH	CATCH BASIN, NO. 2-2A		
67	611	2	EACH	CATCH BASIN, NO. 2-2B		

FAIRFIELD COUNTY ENGINEER'S OFFICE
FAI-CR7-1.94 REFUGEE ROAD INTERSECTION SAFETY IMPROVEMENTS

REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	UNIT PRICE TOTAL (D)	TOTAL COST (AXD)=(E) (E)
68	611	1	EACH	MANHOLE, NO. 3		
69	611	8	EACH	PRECAST REINFORCED CONCRETE OUTLET		
70	254	4619	SY	PAVEMENT PLANNING, ASPHALT CONCRETE (3" THICK)		
71	302	1538	CY	ASPHALT CONCRETE BASE, PG64-22, (449) (6" THICK)		
72	304	1739	CY	AGGREGATE BASE (6" THICK)		
73	304	396	CY	AGGREGATE BASE (6" THICK TREATED SHOULDER)		
74	304	111	CY	AGGREGATE BASE (8" THICK)		
75	407	692	GAL	NON-TRACKING TACK COAT (0.075 GAL/SY)		
76	407	461	GAL	NON-TRACKING TACK COAT (0.050 GAL/SY)		
77	411	198	CY	STABILIZED CRUSHED AGGREGATE (3" THICK)		
78	442	577	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449) (1.5" THICK)		
79	442	767	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449) (2" THICK)		
80	441	17	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 (1.25" THICK)		
81	441	24	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS) (1.75" THICK)		
82	605	50	FT	AGGREGATE DRAINS		
83	630	334.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
84	630	143.2	SF	SIGN, FLAT SHEET		
85	630	21	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
86	630	7	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		
87	630	20	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
88	630	1	EACH	SIGNING, MISC.: SCHOOL FLASHER SIGN ASSEMBLY		
89	642	52	FT	REMOVAL OF PAVEMENT MARKING		
90	644	1.24	MILE	EDGE LINE, 4"		
91	644	0.86	MILE	CENTER LINE		
92	644	2101	FT	CHANNELIZING LINE, 8"		
93	644	249	FT	STOP LINE		
94	644	1116	FT	CROSSWALK LINE, 12"		
95	644	430	FT	TRANSVERSE/DIAGONAL LINE		
96	644	2	EACH	SCHOOL SYMBOL MARKING, 96"		
97	644	25	EACH	LANE ARROW		
98	625	11	EACH	CONNECTION, FUSED PULL APART		
99	625	22	EACH	CONNECTION, UNFUSED PULL APART		

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FAI-CR7-1.94 REFUGEE ROAD INTERSECTION SAFETY IMPROVEMENTS

REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	UNIT PRICE TOTAL (D)	TOTAL COST (AXD)=(E) (E)
100	625	1	EACH	BRACKET ARM, 10', AS PER PLAN		
101	625	10	EACH	BRACKET ARM, 25', AS PER PLAN		
102	625	4179	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE		
103	625	1725	FT	NO. 10 AWG POLE AND BRACKET CABLE		
104	625	91	FT	CONDUIT, 2", 725.04		
105	625	261	FT	CONDUIT, 2", 725.052		
106	625	250	FT	CONDUIT, 4", 725.052		
107	625	926	FT	CONDUIT, JACKED OR DRILLED, 4", 725.04		
108	625	11	EACH	LUMINAIRE, MISC.: LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES TYPE III, LED		
109	625	560	FT	TRENCH		
110	625	15	EACH	PULL BOX, 725.08, 24"		
111	625	29	EACH	GROUND ROD		
112	630	10	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
113	630	3	EACH	SIGN ATTACHMENT ASSEMBLY		
114	630	29	EACH	SIGN ATTACHMENT ASSEMBLE, MAST ARM		
115	630	278	SF	SIGN, FLAT SHEET		
116	630	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
117	630	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
118	632	14	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (BLACK)		
119	632	11	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (BLACK)		
120	632	18	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN		
121	632	25	EACH	COVERING OF VEHICULAR SIGNAL HEAD		
122	632	18	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD		
123	632	18	EACH	PEDESTRIAN PUSHBUTTON		
124	632	2494	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG		
125	632	2584	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG		
126	632	4458	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG		
127	632	10	EACH	SIGNAL SUPPORT FOUNDATION		
128	632	16	EACH	PEDESTAL FOUNDATION		
129	632	313	FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG		
130	632	45	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 8 AWG		
131	632	3	EACH	POWER SERVICE, AS PER PLAN		

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REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	UNIT PRICE TOTAL (D)	TOTAL COST (AXD)=(E) (E)
132	632	3	EACH	CONDUIT RISER, 2" DIAMETER		
133	632	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 12 AND DESIGN 12		
134	632	5	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12		
135	632	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4		
136	632	2	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13		
137	632	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14		
138	632	4	EACH	PEDESTAL, 5', TRANSFORMER BASE		
139	632	12	EACH	PEDESTAL, 8', TRANSFORMER BASE		
140	632	3	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION		
141	633	3	EACH	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY		
142	633	3	EACH	CABINET, TYPE TS-2, AS PER PLAN		
143	633	3	EACH	CABINET FOUNDATION		
144	633	3	EACH	CONTROLLER WORK PAD		
145	633	3	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN		
146	809	6	EACH	ADVANCE RADAR DETECTION, AS PER PLAN		
147	809	10	EACH	STOP LINE RADAR DETECTION, AS PER PLAN		
148	809	3	EACH	ATC CONTROLLER, AS PER PLAN		
149	809	3	EACH	EMERGENCY VEHICLE PREEMPTION, AS PER PLAN		
150	614	1	LS	MAINTAINING TRAFFIC		
151	614	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
152	623	1	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING		
153	624	1	LS	MOBILIZATION		
154	SPECIAL	1	LS	TESTING		
155	103	1	LS	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND		

TOTAL AMOUNT OF BID: \$ _____

Company Name: _____

(Signature): _____

Address: _____

(Printed): _____

Title: _____

Phone: _____

E-Mail: _____

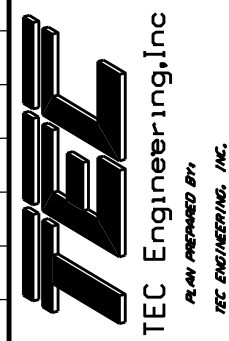
Fax: _____

Date: _____

FAI-CR7-1.94

SHEET NUM.								PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
19	20	21	22	23	24	25	26	1/SAF/ PV/FCEO	EXT	EXT	TOTAL			
							1,725	1,725	625	23400	1,725	FT	NO. 10 AWG POLE AND BRACKET CABLE	
							91	91	625	25400	91	FT	CONDUIT, 2", 725.04	
							261	261	625	25410	261	FT	CONDUIT, 2", 725.052	
							250	250	625	25606	250	FT	CONDUIT, 4", 725.052	
							926	926	625	25900	926	FT	CONDUIT, JACKED OR DRILLED, 4", 725.04	
							11	11	625	27600	11	EACH	LUMINAIRE, MISC.: LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES TYPE III, LED,	153
							560	560	625	29000	560	FT	TRENCH	
							15	15	625	30706	15	EACH	PULL BOX, 725.08, 24"	
							29	29	625	32000	29	EACH	GROUND ROD	
							10	10	630	03100	10	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
							3	3	630	75000	3	EACH	SIGN ATTACHMENT ASSEMBLY	
							29	29	630	79200	29	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM	
							278	278.0	630	80100	278.0	SF	SIGN, FLAT SHEET	
							1	1	630	84900	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
							1	1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							14	14	632	05007	14	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (BLACK)	153
							11	11	632	05087	11	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (BLACK)	153
							18	18	632	20731	18	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	153
							25	25	632	25000	25	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
							18	18	632	25010	18	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
							18	18	632	26000	18	EACH	PEDESTRIAN PUSHBUTTON	
							2,494	2,494	632	40300	2,494	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	
							2,584	2,584	632	40500	2,584	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
							4,458	4,458	632	40700	4,458	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
							10	10	632	64010	10	EACH	SIGNAL SUPPORT FOUNDATION	
							16	16	632	64020	16	EACH	PEDESTAL FOUNDATION	
							313	313	632	67300	313	FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG	
							45	45	632	69700	45	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 8 AWG	
							3	3	632	70001	3	EACH	POWER SERVICE, AS PER PLAN	152
							3	3	632	70400	3	EACH	CONDUIT RISER, 2" DIAMETER	
							1	1	632	78348	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 12 AND DESIGN 12	
							1	1	632	79110	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4	
							5	5	632	79130	5	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12	
							2	2	632	79140	2	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13	
							1	1	632	79150	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14	
							4	4	632	89802	4	EACH	PEDESTAL, 5', TRANSFORMER BASE	
							12	12	632	89900	12	EACH	PEDESTAL, 8', TRANSFORMER BASE	
							3	3	632	90100	3	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	
							3	3	633	45000	3	EACH	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY	
							3	3	633	65511	3	EACH	CABINET, TYPE TS-2, AS PER PLAN	154
							3	3	633	67100	3	EACH	CABINET FOUNDATION	
							3	3	633	67200	3	EACH	CONTROLLER WORK PAD	
							3	3	633	75001	3	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	154
							6	6	809	69001	6	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	154
							10	10	809	69101	10	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	154
							3	3	809	69123	3	EACH	ATC CONTROLLER, AS PER PLAN	154
							3	3	809	69201	3	EACH	EMERGENCY VEHICLE PREEMPTION, AS PER PLAN	154
													INCIDENTALS	
							LS	614	614	11000	LS		MAINTAINING TRAFFIC	
							40	40	614	11110	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	153
							LS	623	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
							LS	624	624	10000	LS		MOBILIZATION	
							LS	SPECIAL	SPECIAL	69012160	LS		TESTING	
							LS	103	103	05000	LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	

GENERAL SUMMARY

DESIGN AGENCY

 TEC Engineering, Inc.
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 Overland Park, KS 66211
 (913) 666-1100
 www.tec-engineering.com

DESIGNER
 VMG


REVIEWER
 ERW 02/13/23

PROJECT ID
 110862

SHEET TOTAL
 18 193

SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
155	159	164										ITEM	EXT	TOTAL			
3	4	4										625	00450	11	EACH	CONNECTION, FUSED PULL APART	
6	8	8										625	00460	22	EACH	CONNECTION, UNFUSED PULL APART	
		1										625	18001	1	EACH	BRACKET ARM, 10', AS PER PLAN	153
3	4	3										625	18501	10	EACH	BRACKET ARM, 25', AS PER PLAN	153
747	1,542	1,890										625	23304	4,179	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
300	732	693										625	23400	1,725	FT	NO. 10 AWG POLE AND BRACKET CABLE	
91												625	25400	91	FT	CONDUIT, 2", 725.04	
59	81	121										625	25410	261	FT	CONDUIT, 2", 725.052	
22	74	154										625	25606	250	FT	CONDUIT, 4", 725.052	
161	296	469										625	25902	926	FT	CONDUIT, JACKED OR DRILLED, 725.04, 4"	
3	4	4										625	27600	11	EACH	LUMINAIRE, MISC.: LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES TYPE III, LED 10000-12000 LUMENS, WITH PHOTOCONTROL	153
166	133	261										625	29000	560	FT	TRENCH	
3	5	7										625	30706	15	EACH	PULL BOX, 725.08, 24"	
7	13	9										625	32000	29	EACH	GROUND ROD	
10												630	03100	10	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
1		2										630	75000	3	EACH	SIGN ATTACHMENT ASSEMBLY	
5	12	12										630	79200	29	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM	
62	102	114										630	80100	278	SF	SIGN, FLAT SHEET	
1												630	84900	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
1												630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
5	3	6										632	05007	14	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (BLACK)	153
1	5	5										632	05087	11	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (BLACK)	153
4	8	6										632	20731	18	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	153
6	8	11										632	25000	25	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
4	8	6										632	25010	18	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
4	8	6										632	26000	18	EACH	PEDESTRIAN PUSHBUTTON	
498	1,059	937										632	40300	2,494	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	
518	1,099	967										632	40500	2,584	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
918	1,152	2,388										632	40700	4,458	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
2	4	4										632	64010	10	EACH	SIGNAL SUPPORT FOUNDATION	
4	8	4										632	64020	16	EACH	PEDESTAL FOUNDATION	
121	64	128										632	67300	313	FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG	
15	15	15										632	69700	45	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 8 AWG	
1	1	1										632	70001	3	EACH	POWER SERVICE, AS PER PLAN	152
1	1	1										632	70400	3	EACH	CONDUIT RISER, 2" DIAMETER	
	1											632	79110	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4	
1	3	1										632	79130	5	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12	
		2										632	79140	2	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13	
		1										632	79150	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14	
1												632	78348	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 12 AND DESIGN 12	
	4											632	89802	4	EACH	PEDESTAL, 5', TRANSFORMER BASE	
4	4	4										632	89900	12	EACH	PEDESTAL, 8', TRANSFORMER BASE	
1	1	1										632	90100	3	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	153
1	1	1										633	45000	3	EACH	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY	
1	1	1										633	65511	3	EACH	CABINET, TYPE TS-2, AS PER PLAN	154
1	1	1										633	67100	3	EACH	CABINET FOUNDATION	
1	1	1										633	67200	3	EACH	CONTROLLER WORK PAD	
1	1	1										633	75001	3	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	154
2	2	2										809	69001	6	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	154
2	4	4										809	69101	10	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	154
1	1	1										809	69123	3	EACH	ATC V6.24 CONTROLLER, AS PER PLAN	154
1	1	1										809	69201	3	EACH	EMERGENCY VEHICLE PREEMPTION, AS PER PLAN	154

TRAFFIC SIGNAL
SUBSUMMARY

DESIGN AGENCY

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 REVIEWER
 ERW 02/13/23
 PROJECT ID
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