

FRA E Rich St Signals (3921-E) CIP 545003-100000

Group Number	Group Name	Ref. No.	Item No.	DESCRIPTION	UNITS	QUANTITY	UNIT COST	EXTENDED TOTAL
1	ROADWAY	1	202	WALK REMOVED	SF	10177	\$4.00	\$40,708.00
		2	202	CURB REMOVED	FT	540	\$12.00	\$6,480.00
		3	202	CURB AND GUTTER REMOVED	FT	347	\$15.00	\$5,205.00
		4	202	INLET REMOVED	EA	9	\$600.00	\$5,400.00
		5	202	FENCE REMOVED	FT	184	\$10.00	\$1,840.00
		6	608	CONCRETE WALK WITH BUFF WASH FINISH (4")	SF	3978	\$10.00	\$39,780.00
		7	608	CONCRETE WALK WITH BUFF WASH FINISH (8")	SF	660	\$15.00	\$9,900.00
		8	608	CURB RAMP	EA	30	\$1,000.00	\$30,000.00
		9	608	DETECTABLE WARNING, TYPE E CAST IRON	SF	240	\$45.00	\$10,800.00
		10	SPEC	BRICK PAVERS INCLUDING 4" CONCRETE BASE (SCD 2301-NONRESIDENTIAL), COMPLETE	SF	5924	\$35.00	\$207,340.00
		11	SPEC	ABM PARKING SERVICES SIGN TO BE REMOVED	EA	1	\$1,000.00	\$1,000.00
		12	SPEC	REMOVE AND REERECT MAILBOX	EA	1	\$500.00	\$500.00
<b>ROADWAY Total</b>								<b>\$358,953.00</b>
2	PAVEMENT	13	254	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5")	SY	3133	\$10.00	\$31,330.00
		14	259	PERMANENT PAVEMENT, TYPE I	CY	149	\$600.00	\$89,400.00
		15	407	NON-TRACKING TACK COAT	GAL	266	\$4.00	\$1,064.00
		16	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	CY	130	\$500.00	\$65,000.00
		17	609	GRANITE CURB	FT	893	\$150.00	\$133,950.00
		18	609	CURB WALL	FT	21	\$40.00	\$840.00
<b>PAVEMENT Total</b>								<b>\$321,584.00</b>
3	MAINTENANCE OF TRAFFIC	19	614	LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN	HR	144	\$80.00	\$11,520.00
		20	614	WORK ZONE TRAFFIC SIGNAL	EA	4	\$10,000.00	\$40,000.00
<b>MAINTENANCE OF TRAFFIC Total</b>								<b>\$51,520.00</b>
4	EROSION CONTROL	21	659	SEEDING AND MULCHING, CLASS 1	SY	100	\$8.00	\$800.00
		22	659	TOPSOIL	CY	12	\$80.00	\$960.00
		23	659	COMMERCIAL FERTILIZER	TON	0.02	\$1,000.00	\$20.00
		24	659	WATER	M GAL	1	\$50.00	\$50.00
<b>EROSION CONTROL Total</b>								<b>\$1,830.00</b>
5	DRAINAGE	25	603	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	FT	190	\$30.00	\$5,700.00
		26	604	MANHOLE ADJUSTED TO GRADE	EA	6	\$900.00	\$5,400.00
		27	604	INLET ADJUSTED TO GRADE	EA	2	\$1,200.00	\$2,400.00
		28	604	MANHOLE, TYPE C (AA-S102)	EA	2	\$6,000.00	\$12,000.00
		29	604	STANDARD CURB AND GUTTER INLET (AA-S125A WITH AA-S128 GRATE FOR GRANITE CURB)	EA	6	\$4,500.00	\$27,000.00
		30	604	DOUBLE CURB AND GUTTER INLET (AA-S125B WITH AA-S128 GRATE FOR GRANITE CURB)	EA	2	\$5,500.00	\$11,000.00
		31	604	CURB INLET MANHOLE (AA-S121)	EA	1	\$5,000.00	\$5,000.00
		32	605	4" PIPE UNDERDRAINS	FT	703	\$20.00	\$14,060.00
		33	901	12" STORM PIPE WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR MATERIAL	LF	57	\$140.00	\$7,980.00
		34	901	15" STORM PIPE WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR MATERIAL	LF	4	\$170.00	\$680.00
		35	901	18" STORM PIPE WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR MATERIAL	LF	12	\$200.00	\$2,400.00
		36	901	21" STORM PIPE WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR MATERIAL	LF	8	\$250.00	\$2,000.00
		37	SPEC	FILL AND PLUG EXISTING CONDUIT (12")	LF	77	\$60.00	\$4,620.00
		<b>DRAINAGE Total</b>						
6	WATER	38	807	VALVE BOXES ADJUSTED TO GRADE	EA	24	\$400.00	\$9,600.00
		39	807	CURB BOXES ADJUSTED TO GRADE	EA	3	\$300.00	\$900.00
<b>WATER Total</b>								<b>\$10,500.00</b>
7	SANITARY	40	604	MANHOLE ADJUSTED TO GRADE (SANITARY)	EA	9	\$900.00	\$8,100.00
<b>SANITARY Total</b>								<b>\$8,100.00</b>
8	ELECTRICAL	41	604	MANHOLE ADJUSTED TO GRADE (ELECTRIC)	EA	1	\$1,000.00	\$1,000.00
		42	SPEC	ELECTRIC PULL BOX ADJUSTED TO GRADE	EA	2	\$500.00	\$1,000.00
		43	SPEC	ELECTRIC VAULT GRATE ADJUSTED TO GRADE	EA	1	\$1,500.00	\$1,500.00
<b>ELECTRICAL Total</b>								<b>\$3,500.00</b>
9	TRAFFIC CONTROL	44	627	REBOUNDABLE TRAFFIC POST - REMOVED, AS PER PLAN	EA	6	\$150.00	\$900.00

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9	TRAFFIC CONTROL	45	630	GROUND MOUNTED SUPPORT, No. 3 POST	LF	100.5	\$20.00	\$2,010.00
		46	630	STREET NAME SIGN SUPPORT, No. 3 POST	LF	39	\$40.00	\$1,560.00
		47	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	EA	5	\$190.00	\$950.00
		48	630	SIGN, FLAT SHEET, AS PER PLAN	SF	100.3	\$30.00	\$3,009.00
		49	630	STREET NAME SIGN	SF	13.5	\$450.00	\$6,075.00
		50	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	EA	11	\$30.00	\$330.00
		51	630	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	EA	11	\$30.00	\$330.00
		52	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	EA	9	\$28.00	\$252.00
		53	641	REMOVAL OF PAVEMENT MARKING	LF	2219	\$1.50	\$3,328.50
		54	644	STOP LINE	LF	399	\$7.00	\$2,793.00
		55	644	CROSSWALK LINE, 12"	LF	1652	\$4.00	\$6,608.00
		56	644	PARKING STALL MARKING, WHITE, 4"	LF	204	\$3.50	\$714.00
		57	644	DOTTED LINE, WHITE, 6"	LF	141	\$3.00	\$423.00
		<b>TRAFFIC CONTROL Total</b>						
10	TRAFFIC SIGNALS	58	625	PULL BOX ADJUSTED TO GRADE	EA	4	\$500.00	\$2,000.00
		59	625	GROUND ROD	EA	43	\$285.00	\$12,255.00
		60	625	NO. 4 AWG 600 VOLT DISTRIBUTION CABLE, AS PER PLAN	FT	3354	\$3.50	\$11,739.00
		61	625	PULL BOX, 725.06, 12"X18" (TRAFFIC)	EA	4	\$650.00	\$2,600.00
		62	625	PULL BOX, 27"	EA	11	\$1,700.00	\$18,700.00
		63	625	PULL BOX, 32"	EA	4	\$2,000.00	\$8,000.00
		64	625	TRENCH, AS PER PLAN	FT	1520	\$15.00	\$22,800.00
		65	625	CONDUIT, 2", 725.051	FT	805	\$10.00	\$8,050.00
		66	625	CONDUIT, 3", 725.051	FT	145	\$13.00	\$1,885.00
		67	625	CONDUIT, CONCRETE ENCASED, 2", 725.051	FT	1490	\$20.00	\$29,800.00
		68	625	CONDUIT, CONCRETE ENCASED, 3", 725.051	FT	279	\$25.00	\$6,975.00
		69	625	BRACKET ARM 25 FT, AS PER PLAN	EA	2	\$2,700.00	\$5,400.00
		70	625	BRACKET ARM - LUMINAIRE, 8 FT, AS PER PLAN	EA	8	\$1,800.00	\$14,400.00
		71	625	NO. 6 AWG 600 VOLT DISTRIBUTION CABLE	FT	1178	\$3.00	\$3,534.00
		72	625	NO. 10 AWG POLE AND BRACKET CABLE	FT	486	\$1.85	\$899.10
		73	625	CONNECTION, FUSED PULL-APART	EA	8	\$100.00	\$800.00
		74	625	CONNECTION, UNFUSED PULL-APART	EA	8	\$110.00	\$880.00
		75	625	LUMINAIRE, LED, 120 V, TEARDROP (BLACK), AS PER PLAN	EA	8	\$1,500.00	\$12,000.00
		76	625	LIGHTING, MISC.: PHOTO CELL	EA	8	\$250.00	\$2,000.00
		77	630	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	EA	20	\$580.00	\$11,600.00
		78	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	EA	22	\$190.00	\$4,180.00
		79	630	SIGN, FLAT SHEET, AS PER PLAN	SF	164	\$30.00	\$4,920.00
		80	630	STREET NAME SIGN	SF	60	\$35.00	\$2,100.00
		81	632	VEHICULAR SIGNAL HEAD, L.E.D., 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	EA	21	\$1,000.00	\$21,000.00
		82	632	PEDESTRIAN SIGNAL HEAD	EA	32	\$610.00	\$19,520.00
		83	632	SIGNALIZATION, MISC.: APS PUSHBUTTON STATION	EA	8	\$1,100.00	\$8,800.00
		84	632	SIGNAL SUPPORT FOUNDATION	EA	6	\$5,500.00	\$33,000.00
		85	632	SIGNAL SUPPORT FOUNDATION (22'), AS PER PLAN	EA	4	\$7,000.00	\$28,000.00
		86	632	PEDESTAL FOUNDATION	EA	21	\$1,100.00	\$23,100.00
		87	632	SIGNALIZATION, MISC.: FOUNDATION PRE-EXCAVATION	EA	31	\$1,000.00	\$31,000.00
		88	632	SIGNAL SUPPORT, TYPE 4121, DESIGN 12, AS PER PLAN	EA	1	\$15,000.00	\$15,000.00
		89	632	COMBINATION SIGNAL SUPPORT, TYPE 4121, DESIGN 12, AS PER PLAN	EA	4	\$18,000.00	\$72,000.00
		90	632	COMBINATION SIGNAL SUPPORT, TYPE 4121, DESIGN 13, AS PER PLAN	EA	5	\$19,000.00	\$95,000.00
		91	632	PEDESTAL SUPPORT, 10.7'	EA	21	\$1,600.00	\$33,600.00
92	632	SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG	FT	136	\$2.50	\$340.00		
93	632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	FT	4234	\$3.50	\$14,819.00		
94	632	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG	FT	1531	\$4.00	\$6,124.00		
95	632	LOOP DETECTOR LEAD-IN CABLE, IMSA 50-2	FT	1055	\$2.00	\$2,110.00		
96	632	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	FT	160	\$4.50	\$720.00		
97	632	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	FT	449	\$7.00	\$3,143.00		
98	632	POWER SERVICE, AS PER PLAN	EA	4	\$1,500.00	\$6,000.00		

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10	TRAFFIC SIGNALS	99	632	SIGNALIZATION, MISC.: POWER METER CABINET TYPE 1 OR 2, BASE MOUNT, WITH FOUNDATION	EA	4	\$4,800.00	\$19,200.00
		100	632	COVERING OF VEHICULAR SIGNAL HEAD	EA	21	\$45.00	\$945.00
		101	632	COVERING OF PEDESTRIAN SIGNAL HEAD	EA	32	\$35.00	\$1,120.00
		102	632	COVERING OF PEDESTRIAN PUSHBUTTON	EA	8	\$30.00	\$240.00
		103	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	EA	4	\$3,500.00	\$14,000.00
		104	632	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	EA	2	\$9,000.00	\$18,000.00
		105	633	CONTROLLER UNIT TS2/A2, W/ P-UPS CABINET, 16 CH, SIZE 6, GROUND MOUNTED, AS PER PLAN	EA	4	\$19,000.00	\$76,000.00
		106	633	CABINET FOUNDATION	EA	4	\$2,300.00	\$9,200.00
		107	633	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	EA	4	\$6,000.00	\$24,000.00
<b>TRAFFIC SIGNALS Total</b>								<b>\$763,498.10</b>
11	TRAFFIC SIGNAL INTERCONNECT	108	632	INTERCONNECT, MISC.: RELOCATE EXISTING FIBER OPTIC CABLE, 24 STRAND	EA	4	\$2,000.00	\$8,000.00
		109	632	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	FT	559	\$4.00	\$2,236.00
		110	633	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	EA	7	\$1,400.00	\$9,800.00
		111	633	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	EA	4	\$2,000.00	\$8,000.00
		112	1620	MISC.: TERMINATION PANEL, 24-FIBER	EA	7	\$1,850.00	\$12,950.00
<b>TRAFFIC SIGNAL INTERCONNECT Total</b>								<b>\$40,986.00</b>
12	LIGHTING	113	1001	13 INCH X 24 INCH PULL BOX (MIS-54)	EA	10	\$700.00	\$7,000.00
		114	1001	6' STREET LIGHT FOUNDATION, DOWNTOWN (MIS-203)	EA	5	\$1,500.00	\$7,500.00
		115	1001	DOWNTOWN POLE (MIS-308)	EA	5	\$7,500.00	\$37,500.00
		116	1001	2-WIRE UNDERGROUND CIRCUIT (MIS-403)	CK FT	755	\$4.00	\$3,020.00
		117	1001	2-WIRE POLE TO BE WIRED (MIS-500)	EA	5	\$325.00	\$1,625.00
		118	1001	2-WIRE 480V PEDESTAL MOUNT CONTROLLER (MIS-602)	EA	1	\$6,000.00	\$6,000.00
		119	1001	2-INCH CONDUIT, CONCRETE ENCASED (MIS-700)	FT	425	\$30.00	\$12,750.00
		120	1001	COBRA HEAD 480V LUMINAIRE (MIS-800)	EA	1	\$900.00	\$900.00
		121	1001	TEARDROP 480V LED LUMINAIRE (MIS-801)	EA	5	\$1,600.00	\$8,000.00
		122	1001	FOUNDATION REMOVAL (MIS-900)	EA	7	\$450.00	\$3,150.00
		123	1001	EXISTING UNDERGROUND SYSTEM REMOVAL (MIS-902)	LS	1	\$400.00	\$400.00
		124	1001	SMART NODE, AS PER PLAN	EA	6	\$1,000.00	\$6,000.00
		<b>LIGHTING Total</b>						
13	INCIDENTALS	125	614	MAINTAINING TRAFFIC	LS	1	\$25,000.00	\$25,000.00
		126	623	CONSTRUCTION LAYOUT STAKES	LS	1	\$30,000.00	\$30,000.00
		127	624	MOBILIZATION	LS	1	\$100,000.00	\$100,000.00
<b>INCIDENTALS Total</b>								<b>\$155,000.00</b>
14	Force Account	128 (blank)		CONTINGENCY (25%)	PCT	1	\$484,709.65	\$484,709.65
	<b>Force Account Total</b>							
<b>Grand Total</b>								<b>\$2,423,548.25</b>