

Solicitation Name: Traffic Signal Upgrade Downtown Phase 1
 Solicitation #: 21728
 Closed: 12/9/2020
 Base Bid

**A.M. Rizzo Electrical
 Contractors Inc**
Total Cost \$ 2,916,971.0
Selected # 0
Selected (\$) \$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	UnitPrice	TotalCost
1								
#1-1	0201001	\$ 9,412.0	CLEARING AND GRUBBING	1		LS	\$ 9,412.0	\$ 9,412.0
#1-2	0202452A	\$ 36,712.0	TEST PIT	13		EA	\$ 2,824.0	\$ 36,712.0
#1-3	0202574A	\$ 1,765.0	RESET MONUMENT	1		EA	\$ 1,765.0	\$ 1,765.0
#1-4	0205002	\$ 7,360.0	ROCK-IN-TRENCH EXCAVATION 0-FEET - 4-FEET DEEP	10		CY	\$ 736	\$ 7,360.0
#1-5	0219011A	\$ 9,724.0	SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN	22		EA	\$ 442	\$ 9,724.0
#1-6	0601363A	\$ 5,000.0	CONCRETE ENCASEMENT 6-INCH GRANITE STONE	10		CY	\$ 500	\$ 5,000.0
#1-7	0813021	\$ 5,650.0	CURBING 6-INCH GRANITE CURVED	50		LF	\$ 113	\$ 5,650.0
#1-8	0813031	\$ 6,350.0	STONE CURBING	50		LF	\$ 127	\$ 6,350.0
#1-9	0921001	\$ 44,080.0	CONCRETE SIDEWALK	1160		SF	\$ 38	\$ 44,080.0
#1-10	0921005	\$ 52,800.0	CONCRETE SIDEWALK RAMP	1320		SF	\$ 40	\$ 52,800.0
#1-11	0921039	\$ 6,700.0	DETECTABLE WARNING STRIP	20		EA	\$ 335	\$ 6,700.0
#1-12	0925101	\$ 35,155.0	RELAY BRICK WALK	395		SF	\$ 89	\$ 35,155.0
#1-13	0952001A	\$ 9,706.0	SELECTIVE CLEARING AND THINNING	1		LS	\$ 9,706.0	\$ 9,706.0
#1-14	0969062A	\$ 61,376.0	CONSTRUCTION FIELD OFFICE - MEDIUM	14		MON	\$ 4,384.0	\$ 61,376.0
#1-15	0970006	\$ 200,000.0	TRAFFIC PERSON (MUNICIPAL POLICE OFFICER) Allowance \$ 200,000	1		EST	\$ 200,000.0	\$ 200,000.0
#1-16	0971001A	\$ 56,236.0	MAINTENANCE AND PROTECTION OF TRAFFIC	1		LS	\$ 56,236.0	\$ 56,236.0
#1-17	0975004	\$ 238,236.0	MOBILIZATION AND PROJECT CLOSEOUT	1		LS	\$ 238,236.0	\$ 238,236.0
#1-18	0976002	\$ 4,000.0	BARRICADE WARNING LIGHTS- HIGH INTENSITY	500		DAY	\$ 8	\$ 4,000.0
#1-19	0977001	\$ 3,750.0	TRAFFIC CONE	125		EA	\$ 30	\$ 3,750.0
#1-20	0978002	\$ 7,650.0	TRAFFIC DRUM	75		EA	\$ 102	\$ 7,650.0
#1-21	0979003	\$ 3,165.0	CONSTRUCTION BARRICADE TYPE III	15		EA	\$ 211	\$ 3,165.0
#1-22	0980001	\$ 18,118.0	CONSTRUCTION STAKING	1		LS	\$ 18,118.0	\$ 18,118.0

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\$ 2,916,971.0
 0
 \$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	UnitPrice	TotalCost
#1-23	1001001	\$ 452,200.0	TRENCHING AND BACKFILLING ROCK IN FOUNDATION	6650	LF		\$ 68	\$ 452,200.0
#1-24	1002015	\$ 28,756.0	EXCAVATION TRAFFIC CONTROL	26	VF		\$ 1,106.0	\$ 28,756.0
#1-25	1002202A	\$ 165,000.0	FOUNDATION - MAST ARM TRAFFIC CONTROL	11	EA		\$ 15,000.0	\$ 165,000.0
#1-26	1002237A	\$ 31,000.0	FOUNDATION - TWIN MAST ARM TRAFFIC CONTROL	2	EA		\$ 15,500.0	\$ 31,000.0
#1-27	1002203	\$ 6,930.0	FOUNDATION - PEDESTAL - TYPE 1 TRAFFIC CONTROL	11	EA		\$ 630	\$ 6,930.0
#1-28	1002214A	\$ 7,795.0	FOUNDATION-CONTROLLER - TYPE IV - MODIFIED	5	EA		\$ 1,559.0	\$ 7,795.0
#1-29	1008019A	\$ 3,360.0	4-INCH RIGID METAL CONDUIT - SURFACE	30	LF		\$ 112	\$ 3,360.0
#1-30	1008115	\$ 3,450.0	2-INCH RIGID METAL CONDUIT IN TRENCH	230	LF		\$ 15	\$ 3,450.0
#1-31	1008117	\$ 1,620.0	3-INCH RIGID METAL CONDUIT IN TRENCH	60	LF		\$ 27	\$ 1,620.0
#1-32	1008215	\$ 41,760.0	2-INCH RIGID METAL CONDUIT UNDER ROADWAY	2610	LF		\$ 16	\$ 41,760.0
#1-33	1008217	\$ 130,480.0	3-INCH RIGID METAL CONDUIT UNDER ROADWAY	4660	LF		\$ 28	\$ 130,480.0
#1-34	1008446A	\$ 3,700.0	4-INCH ELECTRICAL METAL TUBING	50	LF		\$ 74	\$ 3,700.0
#1-35	1008907A	\$ 1,180.0	CLEAN EXISTING CONDUIT	10	HR		\$ 118	\$ 1,180.0
#1-36	1010001	\$ 19,902.0	CONCRETE HANDHOLE CONCRETE HANDHOLE (30-INCH	31	EA		\$ 642	\$ 19,902.0
#1-37	1010034	\$ 51,590.0	X 60-INCH) MODIFICATION OF EXISTING	5	EA		\$ 10,318.0	\$ 51,590.0
#1-38	1010907A	\$ 1,236.0	CONCRETE HANDHOLES	1	EA		\$ 1,236.0	\$ 1,236.0
#1-39	1017032A	\$ 13,320.0	SERVICE (METERED)	5	EA		\$ 2,664.0	\$ 13,320.0
#1-40	1017033A	\$ 4,120.0	EXTERNAL CIRCUIT BREAKER	5	EA		\$ 824	\$ 4,120.0
#1-41	1102002A	\$ 16,860.0	8-FOOT ALUMINUM PEDESTAL	10	EA		\$ 1,686.0	\$ 16,860.0
#1-42	1102010A	\$ 1,872.0	12-FOOT ALUMINUM PEDESTAL	1	EA		\$ 1,872.0	\$ 1,872.0

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 Contractors Inc**

**Total Cost
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 Selected (\$)**

**\$ 2,916,971.0
 0
 \$ 0**

#	Items	Lowest	Description	Quantity	Re Unit	Measur	UnitPrice	TotalCost
			20-FOOT STEEL MAST ARM					
#1-43	1104023A	\$ 27,120.0	ASSEMBLY	2		EA	\$ 13,560.0	\$ 27,120.0
			25-FOOT STEEL MAST ARM					
#1-44	1104026A	\$ 14,185.0	ASSEMBLY	1		EA	\$ 14,185.0	\$ 14,185.0
			30-FOOT STEEL MAST ARM					
#1-45	1104028A	\$ 14,622.0	ASSEMBLY	1		EA	\$ 14,622.0	\$ 14,622.0
			35-FOOT STEEL MAST ARM					
#1-46	1104031A	\$ 46,899.0	ASSEMBLY	3		EA	\$ 15,633.0	\$ 46,899.0
			45-FOOT STEEL MAST ARM					
#1-47	1104037A	\$ 18,149.0	ASSEMBLY	1		EA	\$ 18,149.0	\$ 18,149.0
			20-FOOT AND 30-FOOT TWIN					
#1-48	1104101A	\$ 19,676.0	STEEL MAST ARM ASSEMBLY	1		EA	\$ 19,676.0	\$ 19,676.0
			25-FOOT AND 35-FOOT TWIN					
#1-49	1104102A	\$ 20,855.0	STEEL MAST ARM ASSEMBLY	1		EA	\$ 20,855.0	\$ 20,855.0
			COMBINATION MAST ARM					
#1-50	1104552A	\$ 15,779.0	ASSEMBLY, 25-1W	1		EA	\$ 15,779.0	\$ 15,779.0
			COMBINATION MAST ARM					
#1-51	1104553A	\$ 16,508.0	ASSEMBLY, 30-1W	1		EA	\$ 16,508.0	\$ 16,508.0
			COMBINATION MAST ARM					
#1-52	1104554A	\$ 16,886.0	ASSEMBLY, 35-1W	1		EA	\$ 16,886.0	\$ 16,886.0
			1 WAY - 1 SECTION MAST ARM					
#1-53	1105101A	\$ 1,920.0	TRAFFIC SIGNAL	3		EA	\$ 640	\$ 1,920.0
			1 WAY - 3 SECTION MAST ARM					
#1-54	1105103A	\$ 43,328.0	TRAFFIC SIGNAL	32		EA	\$ 1,354.0	\$ 43,328.0
			1 WAY - 1 SECTION PEDESTAL					
#1-55	1105301A	\$ 1,307.0	MOUNTED TRAFFIC SIGNAL	1		EA	\$ 1,307.0	\$ 1,307.0
			1 WAY - 3 SECTION PEDESTAL					
#1-56	1105303A	\$ 828	MOUNTED TRAFFIC SIGNAL	1		EA	\$ 828	\$ 828
			1 WAY PEDESTRIAN SIGNAL					
#1-57	1106001A	\$ 15,615.0	POLE MOUNTED	15		EA	\$ 1,041.0	\$ 15,615.0
			1 WAY PEDESTRIAN SIGNAL					
#1-58	1106003A	\$ 2,883.0	PEDESTAL MOUNTED	3		EA	\$ 961	\$ 2,883.0
			2 WAY PEDESTRIAN SIGNAL					
#1-59	1106004A	\$ 16,600.0	PEDESTAL MOUNTED	8		EA	\$ 2,075.0	\$ 16,600.0

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Selected # 0
Selected (\$) \$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	UnitPrice	TotalCost
			ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE					
#1-60	1107011A	\$ 48,800.0	A)	40	EA		\$ 1,220.0	\$ 48,800.0
#1-61	1108187A	\$ 57,648.0	SYSTEM INTEGRATION	1	LS		\$ 57,648.0	\$ 57,648.0
			ADVANCED TRANSPORTATION					
#1-62	1108649A	\$ 202,120.0	CONTROLLER - MODEL 980L	5	EA		\$ 40,424.0	\$ 202,120.0
#1-63	1108660A	\$ 39,780.0	ETHERNET SWITCH	5	EA		\$ 7,956.0	\$ 39,780.0
#1-64	1108725A	\$ 23,500.0	PHASE SELECTOR (MODIFIED)	5	EA		\$ 4,700.0	\$ 23,500.0
			CAMERA VIDEO DETECTION					
#1-65	1111407A	\$ 19,320.0	SYSTEM	4	EA		\$ 4,830.0	\$ 19,320.0
#1-66	1112210A	\$ 107,460.0	CAMERA ASSEMBLY	15	EA		\$ 7,164.0	\$ 107,460.0
			FIBER OPTIC CABLE SPLICE					
#1-67	1112241A	\$ 16,472.0	ENCLOSURE	4	EA		\$ 4,118.0	\$ 16,472.0
#1-68	1112413A	\$ 13,752.0	DETECTOR (TYPE A) (MODIFIED)	12	EA		\$ 1,146.0	\$ 13,752.0
			3 CONDUCTOR NO. 8 AWG TYPE					
#1-69	1113014	\$ 1,020.0	SE STYLE THW	340	LF		\$ 3	\$ 1,020.0
			12 STRAND FIBER OPTIC DROP					
#1-70	1113030A	\$ 24,700.0	CABLE	950	LF		\$ 26	\$ 24,700.0
#1-71	1113101	\$ 180	3 CONDUCTOR NO. 14 CABLE	90	LF		\$ 2	\$ 180
#1-72	1113102	\$ 10,330.0	5 CONDUCTOR NO. 14 CABLE	5165	LF		\$ 2	\$ 10,330.0
#1-73	1113103	\$ 13,500.0	7 CONDUCTOR NO. 14 CABLE	4500	LF		\$ 3	\$ 13,500.0
#1-74	1113104	\$ 450	9 CONDUCTOR NO. 14 CABLE	150	LF		\$ 3	\$ 450
			72 STRAND FIBER OPTIC					
#1-75	1113185A	\$ 56,000.0	INTERCONNECT CABLE	7000	LF		\$ 8	\$ 56,000.0
			DETECTOR CABLE (OPTICAL)					
#1-76	1113552A	\$ 6,210.0	(MODIFIED)	2070	LF		\$ 3	\$ 6,210.0
			REMOVAL AND/OR					
			RELOCATION OF TRAFFIC					
#1-77	1118012A	\$ 33,059.0	SIGNAL EQUIPMENT	1	LS		\$ 33,059.0	\$ 33,059.0
			TEMPORARY SIGNALIZATION					
#1-78	1118051A	\$ 1	(SITE NO. 1)	1	LS		\$ 1	\$ 1
			TEMPORARY SIGNALIZATION					
#1-79	1118052A	\$ 1	(SITE NO. 2)	1	LS		\$ 1	\$ 1
			TEMPORARY SIGNALIZATION					
#1-80	1118053A	\$ 1	(SITE NO. 3)	1	LS		\$ 1	\$ 1
			TEMPORARY SIGNALIZATION					
#1-81	1118054A	\$ 1	(SITE NO. 4)	1	LS		\$ 1	\$ 1

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#1-82	1118055A	\$ 1	TEMPORARY SIGNALIZATION (SITE NO. 5)	1	LS		\$ 1	\$ 1
#1-83	1206023A	\$ 47,530.0	REMOVAL AND RELOCATION OF EXISTING SIGNS	1	LS		\$ 47,530.0	\$ 47,530.0
#1-84	1208931A	\$ 4,968.0	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	72	SF		\$ 69	\$ 4,968.0
#1-85	1208932A	\$ 34,974.0	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	522	SF		\$ 67	\$ 34,974.0
#1-86	1209467A	\$ 22,760.0	THERMOPLASTIC LEGENDS, ARROWS, AND MARKINGS	5690	SF		\$ 4	\$ 22,760.0
#1-87	1210101	\$ 3,815.0	4-INCH WHITE EPOXY RESIN PAVEMENT MARKINGS	3815	LF		\$ 1	\$ 3,815.0
#1-88	1210102	\$ 4,090.0	4-INCH YELLOW EPOXY RESIN PAVEMENT MARKINGS	4090	LF		\$ 1	\$ 4,090.0
#1-89	1210104	\$ 720	8-INCH WHITE EPOXY RESIN PAVEMENT MARKINGS	720	LF		\$ 1	\$ 720
#1-90	1210105	\$ 1,362.0	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS, AND LEGENDS	227	SF		\$ 6	\$ 1,362.0
#1-91	1211001	\$ 11,250.0	REMOVAL OF PAVEMENT MARKINGS	3750	SF		\$ 3	\$ 11,250.0
#1-92	1220027	\$ 8,960.0	CONSTRUCTION SIGNS	560	SF		\$ 16	\$ 8,960.0

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**Total Cost
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Selected (\$)**

\$ 299,951.0
0
\$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	UnitPrice	TotalCost
1								
#1-1	0201001	\$ 1,942.0	CLEARING AND GRUBBING	1	LS		\$ 1,942.0	\$ 1,942.0
#1-2	0202452A	\$ 2,824.0	TEST PIT	1	EA		\$ 2,824.0	\$ 2,824.0
#1-3	0205002	\$ 1,472.0	ROCK-IN-TRENCH EXCAVATION 0-FEET - 4-FEET DEEP	2	CY		\$ 736	\$ 1,472.0
#1-4	0219011A	\$ 884	SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN	2	EA		\$ 442	\$ 884
#1-5	0921001	\$ 9,120.0	CONCRETE SIDEWALK	240	SF		\$ 38	\$ 9,120.0
#1-6	0921005	\$ 13,200.0	CONCRETE SIDEWALK RAMP	330	SF		\$ 40	\$ 13,200.0
#1-7	0921039	\$ 2,010.0	DETECTABLE WARNING STRIP	6	EA		\$ 335	\$ 2,010.0
#1-8	0925101	\$ 1,780.0	RELAY BRICK WALK	20	SF		\$ 89	\$ 1,780.0
#1-9	0952001A	\$ 1,236.0	SELECTIVE CLEARING AND THINNING	1	LS		\$ 1,236.0	\$ 1,236.0
#1-10	0971001A	\$ 10,942.0	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS		\$ 10,942.0	\$ 10,942.0
#1-11	0975004	\$ 13,000.0	MOBILIZATION AND PROJECT CLOSEOUT	1	LS		\$ 13,000.0	\$ 13,000.0
#1-12	0976002	\$ 800	BARRICADE WARNING LIGHTS- HIGH INTENSITY	100	DAY		\$ 8	\$ 800
#1-13	0980001	\$ 3,300.0	CONSTRUCTION STAKING	1	LS		\$ 3,300.0	\$ 3,300.0
#1-14	1001001	\$ 24,820.0	TRENCHING AND BACKFILLING ROCK IN FOUNDATION	365	LF		\$ 68	\$ 24,820.0
#1-15	1002015	\$ 2,212.0	EXCAVATION	2	VF		\$ 1,106.0	\$ 2,212.0
#1-16	1002237A	\$ 15,500.0	TRAFFIC CONTROL FOUNDATION - TWIN MAST ARM	1	EA		\$ 15,500.0	\$ 15,500.0
#1-17	1002203	\$ 2,520.0	TRAFFIC CONTROL FOUNDATION - PEDESTAL - TYPE 1	4	EA		\$ 630	\$ 2,520.0
#1-18	1002214A	\$ 1,559.0	TRAFFIC CONTROL FOUNDATION-CONTROLLER - TYPE IV - MODIFIED	1	EA		\$ 1,559.0	\$ 1,559.0
#1-19	1008115	\$ 1,050.0	2-INCH RIGID METAL CONDUIT IN TRENCH	70	LF		\$ 15	\$ 1,050.0
#1-20	1008117	\$ 405	3-INCH RIGID METAL CONDUIT IN TRENCH	15	LF		\$ 27	\$ 405

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**Total Cost
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Selected (\$)**

**\$ 299,951.0
0
\$ 0**

#	Items	Lowest	Description	Quantity	Re Unit	Measur	Unit Price	Total Cost
#1-21	1008215	\$ 6,000.0	2-INCH RIGID METAL CONDUIT UNDER ROADWAY	375	LF		\$ 16	\$ 6,000.0
#1-22	1008217	\$ 3,080.0	3-INCH RIGID METAL CONDUIT UNDER ROADWAY	110	LF		\$ 28	\$ 3,080.0
#1-23	1010001	\$ 3,210.0	CONCRETE HANDHOLE	5	EA		\$ 642	\$ 3,210.0
#1-24	1010034	\$ 10,318.0	CONCRETE HANDHOLE (30- INCH X 60-INCH)	1	EA		\$ 10,318.0	\$ 10,318.0
#1-25	1017032A	\$ 2,664.0	SERVICE (METERED)	1	EA		\$ 2,664.0	\$ 2,664.0
#1-26	1017033A	\$ 824	EXTERNAL CIRCUIT BREAKER	1	EA		\$ 824	\$ 824
#1-27	1102002A	\$ 6,744.0	8-FOOT ALUMINUM PEDESTAL	4	EA		\$ 1,686.0	\$ 6,744.0
#1-28	1104103A	\$ 20,796.0	30-FOOT AND 30-FOOT TWIN STEEL MAST ARM ASSEMBLY	1	EA		\$ 20,796.0	\$ 20,796.0
#1-29	1105103A	\$ 5,416.0	1 WAY - 3 SECTION MAST ARM TRAFFIC SIGNAL	4	EA		\$ 1,354.0	\$ 5,416.0
#1-30	1106001A	\$ 1,041.0	1 WAY PEDESTRIAN SIGNAL POLE MOUNTED	1	EA		\$ 1,041.0	\$ 1,041.0
#1-31	1106003A	\$ 961	1 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED	1	EA		\$ 961	\$ 961
#1-32	1106004A	\$ 6,225.0	2 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED	3	EA		\$ 2,075.0	\$ 6,225.0
#1-33	1107011A	\$ 9,760.0	ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A)	8	EA		\$ 1,220.0	\$ 9,760.0
#1-34	1108187A	\$ 7,412.0	SYSTEM INTEGRATION	1	LS		\$ 7,412.0	\$ 7,412.0
#1-35	1108649A	\$ 40,424.0	ADVANCED TRANSPORTATION CONTROLLER - MODEL 980L	1	EA		\$ 40,424.0	\$ 40,424.0
#1-36	1108660A	\$ 7,956.0	ETHERNET SWITCH	1	EA		\$ 7,956.0	\$ 7,956.0
#1-37	1108725A	\$ 4,700.0	PHASE SELECTOR (MODIFIED)	1	EA		\$ 4,700.0	\$ 4,700.0
#1-38	1111407A	\$ 4,830.0	CAMERA VIDEO DETECTION SYSTEM	1	EA		\$ 4,830.0	\$ 4,830.0
#1-39	1112210A	\$ 14,328.0	CAMERA ASSEMBLY	2	EA		\$ 7,164.0	\$ 14,328.0
#1-40	1112241A	\$ 4,118.0	FIBER OPTIC CABLE SPLICE ENCLOSURE	1	EA		\$ 4,118.0	\$ 4,118.0
#1-41	1112413A	\$ 2,292.0	DETECTOR (TYPE A) (MODIFIED)	2	EA		\$ 1,146.0	\$ 2,292.0

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 \$ 0

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#1-42	1113014	\$ 330	3 CONDUCTOR NO. 8 AWG TYPE SE STYLE THW	110	LF		\$ 3	\$ 330
#1-43	1113030A	\$ 780	12 STRAND FIBER OPTIC DROP CABLE	30	LF		\$ 26	\$ 780
#1-44	1113101	\$ 400	3 CONDUCTOR NO. 14 CABLE	200	LF		\$ 2	\$ 400
#1-45	1113102	\$ 1,470.0	5 CONDUCTOR NO. 14 CABLE	735	LF		\$ 2	\$ 1,470.0
#1-46	1113103	\$ 2,730.0	7 CONDUCTOR NO. 14 CABLE	910	LF		\$ 3	\$ 2,730.0
#1-47	1113552A	\$ 1,650.0	DETECTOR CABLE (OPTICAL) (MODIFIED)	550	LF		\$ 3	\$ 1,650.0
#1-48	1118012A	\$ 5,412.0	REMOVAL AND/OR RELOCATION OF TRAFFIC SIGNAL EQUIPMENT	1	LS		\$ 5,412.0	\$ 5,412.0
#1-49	1118056A	\$ 1	TEMPORARY SIGNALIZATION (SITE NO. 6)	1	LS		\$ 1	\$ 1
#1-50	1206023A	\$ 1,000.0	REMOVAL AND RELOCATION OF EXISTING SIGNS	1	LS		\$ 1,000.0	\$ 1,000.0
#1-51	1208932A	\$ 4,824.0	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	72	SF		\$ 67	\$ 4,824.0
#1-52	1209467A	\$ 2,190.0	THERMOPLASTIC LEGENDS, ARROWS, AND MARKINGS	1095	SF		\$ 2	\$ 2,190.0
#1-53	1210101	\$ 1,180.0	4-INCH WHITE EPOXY RESIN PAVEMENT MARKINGS	590	LF		\$ 2	\$ 1,180.0
#1-54	1210102	\$ 1,520.0	4-INCH YELLOW EPOXY RESIN PAVEMENT MARKINGS	760	LF		\$ 2	\$ 1,520.0
#1-55	1210105	\$ 539	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS, AND LEGENDS	49	SF		\$ 11	\$ 539
#1-56	1211001	\$ 2,250.0	REMOVAL OF PAVEMENT MARKINGS	750	SF		\$ 3	\$ 2,250.0

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Closed: 12/9/2020

Bid Alt #: 2

**A.M. Rizzo Electrical
Contractors Inc**

Total Cost

\$ 324,521.0

Selected #

0

Selected (\$)

\$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	Unit Price	Total Cost
1								
#1-1	0201001	\$ 1,942.0	CLEARING AND GRUBBING	1	LS		\$ 1,942.0	\$ 1,942.0
#1-2	0202452A	\$ 2,824.0	TEST PIT	1	EA		\$ 2,824.0	\$ 2,824.0
#1-3	0205002	\$ 1,472.0	ROCK-IN-TRENCH EXCAVATION 0-FEET - 4-FEET DEEP	2	CY		\$ 736	\$ 1,472.0
#1-4	0219011A	\$ 1,326.0	SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN	3	EA		\$ 442	\$ 1,326.0
#1-5	0601363A	\$ 0	CONCRETE ENCASEMENT	0	CY		\$ 500	\$ 0
#1-6	0811001A	\$ 1,680.0	CONCRETE CURBING	15	LF		\$ 112	\$ 1,680.0
#1-7	0921001	\$ 7,410.0	CONCRETE SIDEWALK	195	SF		\$ 38	\$ 7,410.0
#1-8	0921005	\$ 15,800.0	CONCRETE SIDEWALK RAMP	395	SF		\$ 40	\$ 15,800.0
#1-9	0921039	\$ 1,340.0	DETECTABLE WARNING STRIP	4	EA		\$ 335	\$ 1,340.0
#1-10	0952001A	\$ 1,236.0	SELECTIVE CLEARING AND THINNING	1	LS		\$ 1,236.0	\$ 1,236.0
#1-11	0971001A	\$ 10,942.0	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS		\$ 10,942.0	\$ 10,942.0
#1-12	0975004	\$ 13,589.0	MOBILIZATION AND PROJECT CLOSEOUT	1	LS		\$ 13,589.0	\$ 13,589.0
#1-13	0976002	\$ 800	BARRICADE WARNING LIGHTS- HIGH INTENSITY	100	DAY		\$ 8	\$ 800
#1-14	0980001	\$ 3,300.0	CONSTRUCTION STAKING	1	LS		\$ 3,300.0	\$ 3,300.0
#1-15	1001001	\$ 26,520.0	TRENCHING AND BACKFILLING ROCK IN FOUNDATION	390	LF		\$ 68	\$ 26,520.0
#1-16	1002015	\$ 2,212.0	EXCAVATION	2	VF		\$ 1,106.0	\$ 2,212.0
#1-17	1002237A	\$ 15,500.0	TRAFFIC CONTROL FOUNDATION - TWIN MAST ARM	1	EA		\$ 15,500.0	\$ 15,500.0
#1-18	1002203	\$ 2,520.0	TRAFFIC CONTROL FOUNDATION - PEDESTAL - TYPE 1	4	EA		\$ 630	\$ 2,520.0
#1-19	1002214A	\$ 1,559.0	TRAFFIC CONTROL FOUNDATION-CONTROLLER - TYPE IV - MODIFIED	1	EA		\$ 1,559.0	\$ 1,559.0
#1-20	1008115	\$ 900	2-INCH RIGID METAL CONDUIT IN TRENCH	60	LF		\$ 15	\$ 900

Solicitation Name: Traffic Signal Upgrade Downtown Phase 1

Solicitation #: 21728

Closed: 12/9/2020

Bid Alt #: 2

**A.M. Rizzo Electrical
Contractors Inc**

Total Cost

\$ 324,521.0

Selected #

0

Selected (\$)

\$ 0

#	Items	Lowest	Description	Quantity	Re	Unit	Measur	UnitPrice	TotalCost
			3-INCH RIGID METAL CONDUIT						
#1-21	1008117	\$ 1,215.0	IN TRENCH	45		LF		\$ 27	\$ 1,215.0
			2-INCH RIGID METAL CONDUIT						
#1-22	1008215	\$ 5,680.0	UNDER ROADWAY	355		LF		\$ 16	\$ 5,680.0
			3-INCH RIGID METAL CONDUIT						
#1-23	1008217	\$ 2,940.0	UNDER ROADWAY	105		LF		\$ 28	\$ 2,940.0
#1-24	1010001	\$ 4,494.0	CONCRETE HANDHOLE	7		EA		\$ 642	\$ 4,494.0
			CONCRETE HANDHOLE (30-						
#1-25	1010034	\$ 10,318.0	INCH X 60-INCH)	1		EA		\$ 10,318.0	\$ 10,318.0
#1-26	1017032A	\$ 2,664.0	SERVICE (METERED)	1		EA		\$ 2,664.0	\$ 2,664.0
#1-27	1017033A	\$ 824	EXTERNAL CIRCUIT BREAKER	1		EA		\$ 824	\$ 824
#1-28	1102002A	\$ 6,744.0	8-FOOT ALUMINUM PEDESTAL	4		EA		\$ 1,686.0	\$ 6,744.0
			40-FOOT AND 45-FOOT TWIN						
#1-29	1104105A	\$ 25,630.0	STEEL MAST ARM ASSEMBLY	1		EA		\$ 25,630.0	\$ 25,630.0
			1 WAY - 3 SECTION MAST ARM						
#1-30	1105103A	\$ 6,770.0	TRAFFIC SIGNAL	5		EA		\$ 1,354.0	\$ 6,770.0
			2 WAY PEDESTRIAN SIGNAL						
#1-31	1106004A	\$ 8,300.0	PEDESTAL MOUNTED	4		EA		\$ 2,075.0	\$ 8,300.0
			ACCESSIBLE PEDESTRIAN						
			SIGNAL AND DETECTOR (TYPE						
#1-32	1107011A	\$ 9,760.0	A)	8		EA		\$ 1,220.0	\$ 9,760.0
#1-33	1108187A	\$ 7,412.0	SYSTEM INTEGRATION	1		LS		\$ 7,412.0	\$ 7,412.0
			ADVANCED TRANSPORTATION						
#1-34	1108649A	\$ 40,424.0	CONTROLLER - MODEL 980L	1		EA		\$ 40,424.0	\$ 40,424.0
#1-35	1108660A	\$ 7,956.0	ETHERNET SWITCH	1		EA		\$ 7,956.0	\$ 7,956.0
#1-36	1108725A	\$ 4,700.0	PHASE SELECTOR (MODIFIED)	1		EA		\$ 4,700.0	\$ 4,700.0
			CAMERA VIDEO DETECTION						
#1-37	1111407A	\$ 4,830.0	SYSTEM	1		EA		\$ 4,830.0	\$ 4,830.0
#1-38	1112210A	\$ 14,328.0	CAMERA ASSEMBLY	2		EA		\$ 7,164.0	\$ 14,328.0
			FIBER OPTIC CABLE SPLICE						
#1-39	1112241A	\$ 4,118.0	ENCLOSURE	1		EA		\$ 4,118.0	\$ 4,118.0
			DETECTOR (TYPE A)						
#1-40	1112413A	\$ 2,292.0	(MODIFIED)	2		EA		\$ 1,146.0	\$ 2,292.0
			3 CONDUCTOR NO. 8 AWG						
#1-41	1113014	\$ 210	TYPE SE STYLE THW	70		LF		\$ 3	\$ 210

Solicitation Name: Traffic Signal Upgrade Downtown Phase 1

Solicitation #: 21728

Closed: 12/9/2020

Bid Alt #: 2

**A.M. Rizzo Electrical
Contractors Inc**

**Total Cost
Selected #
Selected (\$)**

**\$ 324,521.0
0
\$ 0**

#	Items	Lowest	Description	Quantity	Re	Unit	Measur	Unit Price	Total Cost
#1-42	1113030A	\$ 3,770.0	12 STRAND FIBER OPTIC DROP CABLE	145		LF		\$ 26	\$ 3,770.0
#1-43	1113101	\$ 0	3 CONDUCTOR NO. 14 CABLE	0		LF		\$ 2	\$ 0
#1-44	1113102	\$ 2,450.0	5 CONDUCTOR NO. 14 CABLE	1225		LF		\$ 2	\$ 2,450.0
#1-45	1113103	\$ 3,900.0	7 CONDUCTOR NO. 14 CABLE	1300		LF		\$ 3	\$ 3,900.0
#1-46	1113552A	\$ 1,080.0	DETECTOR CABLE (OPTICAL) (MODIFIED)	360		LF		\$ 3	\$ 1,080.0
#1-47	1118012A	\$ 5,177.0	REMOVAL AND/OR RELOCATION OF TRAFFIC SIGNAL EQUIPMENT	1		LS		\$ 5,177.0	\$ 5,177.0
#1-48	1118057A	\$ 1	TEMPORARY SIGNALIZATION (SITE NO. 7)	1		LS		\$ 1	\$ 1
#1-49	1206023A	\$ 8,000.0	REMOVAL AND RELOCATION OF EXISTING SIGNS	1		LS		\$ 8,000.0	\$ 8,000.0
#1-50	1208931A	\$ 2,484.0	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	36		SF		\$ 69	\$ 2,484.0
#1-51	1208932A	\$ 4,958.0	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	74		SF		\$ 67	\$ 4,958.0
#1-52	1209467A	\$ 2,960.0	THERMOPLASTIC LEGENDS, ARROWS, AND MARKINGS	1480		SF		\$ 2	\$ 2,960.0
#1-53	1210101	\$ 2,800.0	4-INCH WHITE EPOXY RESIN PAVEMENT MARKINGS	1400		LF		\$ 2	\$ 2,800.0
#1-54	1210104	\$ 210	8-INCH WHITE EPOXY RESIN PAVEMENT MARKINGS	70		LF		\$ 3	\$ 210
#1-55	1211001	\$ 2,250.0	REMOVAL OF PAVEMENT MARKINGS	750		SF		\$ 3	\$ 2,250.0

Solicitation Name: Traffic Signal Upgrade Downtown Phase 1
 Solicitation #: 21728
 Closed: 12/9/2020
 Bid Alt #: 3

**A.M. Rizzo Electrical
 Contractors Inc**

Total Cost \$ 393,410.0
Selected # 0
Selected (\$) \$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	UnitPrice	TotalCost
1								
#1-1	0201001	\$ 1,942.0	CLEARING AND GRUBBING	1	LS		\$ 1,942.0	\$ 1,942.0
#1-2	0202452A	\$ 5,648.0	TEST PIT	2	EA		\$ 2,824.0	\$ 5,648.0
#1-3	0205002	\$ 1,472.0	ROCK-IN-TRENCH EXCAVATION 0- FEET - 4- FEET DEEP SEDIMENTATION CONTROL SYSTEM	2	CY		\$ 736	\$ 1,472.0
#1-4	0219011A	\$ 1,326.0	AT CATCH BASIN	3	EA		\$ 442	\$ 1,326.0
#1-5	0811001A	\$ 12,500.0	CONCRETE CURBING	25	LF		\$ 500	\$ 12,500.0
#1-6	0921001	\$ 19,380.0	CONCRETE SIDEWALK	510	SF		\$ 38	\$ 19,380.0
#1-7	0921005	\$ 14,200.0	CONCRETE SIDEWALK RAMP	355	SF		\$ 40	\$ 14,200.0
#1-8	0921039	\$ 2,345.0	DETECTABLE WARNING STRIP	7	EA		\$ 335	\$ 2,345.0
#1-9	0952001A	\$ 1,236.0	SELECTIVE CLEARING AND THINNING	1	LS		\$ 1,236.0	\$ 1,236.0
#1-10	0971001A	\$ 10,942.0	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS		\$ 10,942.0	\$ 10,942.0
#1-11	0975004	\$ 14,295.0	MOBILIZATION AND PROJECT CLOSEOUT	1	LS		\$ 14,295.0	\$ 14,295.0
#1-12	0976002	\$ 800	BARRICADE WARNING LIGHTS-HIGH INTENSITY	100	DAY		\$ 8	\$ 800
#1-13	0980001	\$ 3,883.0	CONSTRUCTION STAKING	1	LS		\$ 3,883.0	\$ 3,883.0
#1-14	1001001	\$ 34,340.0	TRENCHING AND BACKFILLING ROCK IN FOUNDATION	505	LF		\$ 68	\$ 34,340.0
#1-15	1002015	\$ 4,424.0	EXCAVATION	4	VF		\$ 1,106.0	\$ 4,424.0
#1-16	1002202A	\$ 15,000.0	TRAFFIC CONTROL FOUNDATION - MAST ARM	1	EA		\$ 15,000.0	\$ 15,000.0
#1-17	1002237A	\$ 15,500.0	TRAFFIC CONTROL FOUNDATION - TWIN MAST ARM	1	EA		\$ 15,500.0	\$ 15,500.0
#1-18	1002203	\$ 2,520.0	TRAFFIC CONTROL FOUNDATION - PEDESTAL - TYPE 1	4	EA		\$ 630	\$ 2,520.0
#1-19	1002214A	\$ 1,559.0	TRAFFIC CONTROL FOUNDATION- CONTROLLER - TYPE IV - MODIFIED	1	EA		\$ 1,559.0	\$ 1,559.0
#1-20	1008115	\$ 1,050.0	2-INCH RIGID METAL CONDUIT IN TRENCH	70	LF		\$ 15	\$ 1,050.0
#1-21	1008117	\$ 540	3-INCH RIGID METAL CONDUIT IN TRENCH	20	LF		\$ 27	\$ 540
#1-22	1008215	\$ 9,520.0	2-INCH RIGID METAL CONDUIT UNDER ROADWAY	595	LF		\$ 16	\$ 9,520.0
#1-23	1010001	\$ 5,136.0	CONCRETE HANDHOLE	8	EA		\$ 642	\$ 5,136.0
#1-24	1010034	\$ 10,318.0	CONCRETE HANDHOLE (30-INCH X 60-INCH)	1	EA		\$ 10,318.0	\$ 10,318.0
#1-25	1017032A	\$ 2,664.0	SERVICE (METERED)	1	EA		\$ 2,664.0	\$ 2,664.0
#1-26	1017033A	\$ 824	EXTERNAL CIRCUIT BREAKER	1	EA		\$ 824	\$ 824
#1-27	1102002A	\$ 6,744.0	8-FOOT ALUMINUM PEDESTAL	4	EA		\$ 1,686.0	\$ 6,744.0

Solicitation Name: Traffic Signal Upgrade Downtown Phase 1
 Solicitation #: 21728
 Closed: 12/9/2020
 Bid Alt #: 3

**A.M. Rizzo Electrical
 Contractors Inc**

Total Cost \$ 393,410.0
Selected # 0
Selected (\$) \$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	Unit Price	Total Cost
#1-28	1104026A	\$ 14,185.0	25-FOOT STEEL MAST ARM ASSEMBLY	1	EA		\$ 14,185.0	\$ 14,185.0
#1-29	1104104A	\$ 23,827.0	35-FOOT AND 40-FOOT TWIN STEEL MAST ARM ASSEMBLY	1	EA		\$ 23,827.0	\$ 23,827.0
#1-30	1105103A	\$ 9,478.0	1 WAY - 3 SECTION MAST ARM TRAFFIC SIGNAL	7	EA		\$ 1,354.0	\$ 9,478.0
#1-31	1106001A	\$ 2,082.0	1 WAY PEDESTRIAN SIGNAL POLE MOUNTED	2	EA		\$ 1,041.0	\$ 2,082.0
#1-32	1106003A	\$ 1,922.0	1 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED	2	EA		\$ 961	\$ 1,922.0
#1-33	1106004A	\$ 4,150.0	2 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED	2	EA		\$ 2,075.0	\$ 4,150.0
#1-34	1107011A	\$ 9,760.0	ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A)	8	EA		\$ 1,220.0	\$ 9,760.0
#1-35	1108187A	\$ 7,412.0	SYSTEM INTEGRATION	1	LS		\$ 7,412.0	\$ 7,412.0
#1-36	1108649A	\$ 40,424.0	ADVANCED TRANSPORTATION CONTROLLER - MODEL 980L	1	EA		\$ 40,424.0	\$ 40,424.0
#1-37	1108660A	\$ 7,956.0	ETHERNET SWITCH	1	EA		\$ 7,956.0	\$ 7,956.0
#1-38	1108725A	\$ 4,700.0	PHASE SELECTOR (MODIFIED)	1	EA		\$ 4,700.0	\$ 4,700.0
#1-39	1111407A	\$ 4,830.0	CAMERA VIDEO DETECTION SYSTEM	1	EA		\$ 4,830.0	\$ 4,830.0
#1-40	1112210A	\$ 21,492.0	CAMERA ASSEMBLY	3	EA		\$ 7,164.0	\$ 21,492.0
#1-41	1112241A	\$ 4,118.0	FIBER OPTIC CABLE SPLICE ENCLOSURE	1	EA		\$ 4,118.0	\$ 4,118.0
#1-42	1112413A	\$ 3,438.0	DETECTOR (TYPE A) (MODIFIED)	3	EA		\$ 1,146.0	\$ 3,438.0
#1-43	1113014	\$ 300	3 CONDUCTOR NO. 8 AWG TYPE SE STYLE THW	100	LF		\$ 3	\$ 300
#1-44	1113030A	\$ 2,730.0	12 STRAND FIBER OPTIC DROP CABLE	105	LF		\$ 26	\$ 2,730.0
#1-45	1113102	\$ 1,980.0	5 CONDUCTOR NO. 14 CABLE	990	LF		\$ 2	\$ 1,980.0
#1-46	1113103	\$ 3,855.0	7 CONDUCTOR NO. 14 CABLE	1285	LF		\$ 3	\$ 3,855.0
#1-47	1113552A	\$ 1,530.0	DETECTOR CABLE (OPTICAL) (MODIFIED)	510	LF		\$ 3	\$ 1,530.0
#1-48	1118012A	\$ 3,295.0	REMOVAL AND/OR RELOCATION OF TRAFFIC SIGNAL EQUIPMENT	1	LS		\$ 3,295.0	\$ 3,295.0
#1-49	1118058A	\$ 1	TEMPORARY SIGNALIZATION (SITE NO. 8)	1	LS		\$ 1	\$ 1
#1-50	1206023A	\$ 2,471.0	REMOVAL AND RELOCATION OF EXISTING SIGNS	1	LS		\$ 2,471.0	\$ 2,471.0
#1-51	1208931A	\$ 1,242.0	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	18	SF		\$ 69	\$ 1,242.0
#1-52	1208932A	\$ 6,834.0	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	102	SF		\$ 67	\$ 6,834.0
#1-53	1209467A	\$ 2,620.0	THERMOPLASTIC LEGENDS, ARROWS, AND MARKINGS	1310	SF		\$ 2	\$ 2,620.0

Solicitation Name: Traffic Signal Upgrade Downtown Phase 1
 Solicitation #: 21728
 Closed: 12/9/2020
 Bid Alt #: 3

**A.M. Rizzo Electrical
 Contractors Inc**

Total Cost \$ 393,410.0
Selected # 0
Selected (\$) \$ 0

#	Items	Lowest	Description	Quantity	Re Unit	Measur	Unit Price	Total Cost
#1-54	1210101	\$ 2,940.0	4-INCH WHITE EPOXY RESIN PAVEMENT MARKINGS	1470	LF		\$ 2	\$ 2,940.0
#1-55	1210102	\$ 1,260.0	4-INCH YELLOW EPOXY RESIN PAVEMENT MARKINGS	630	LF		\$ 2	\$ 1,260.0
#1-56	1210105	\$ 220	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS, AND LEGENDS	20	SF		\$ 11	\$ 220
#1-57	1211001	\$ 2,250.0	REMOVAL OF PAVEMENT MARKINGS	750	SF		\$ 3	\$ 2,250.0