

Mill Levy 8C: Traffic Signal Upgrades						WL Contractors		Sturgeon Electric		
Contract 201842076						Liberty Mutual Insurance Company		Liberty Mutual Insurance Company		
ITEM	DESCRIPTION	Unit short	Quantity	Unit cost	Estimated cost	Unit long	Unit Bid Cost	Total Bid Item	Unit Bid Cost	Total Bid Item
202-00200	REMOVAL OF SIDEWALK	SY	638	\$ 26.50	16,907.00	square yard	35.00	22,330.00	25.00	15,950.00
202-00019	REMOVAL OF INLET	EACH	3	\$ 2,650.00	7,950.00	each	3,000.00	9,000.00	2,975.00	8,925.00
202-00035	REMOVAL OF PIPE	LF	48	\$ 46.00	2,208.00	linear foot	50.00	2,400.00	135.00	6,480.00
202-00201	REMOVAL OF CURB	LF	19	\$ 38.00	722.00	linear foot	18.00	342.00	33.00	627.00
202-00203	REMOVAL OF CURB AND GUTTER	LF	863	\$ 11.00	9,493.00	linear foot	15.00	12,945.00	14.00	12,082.00
202-00206	REMOVAL OF CONCRETE CURB RAMP	SY	132	\$ 28.00	3,696.00	square yard	35.00	4,620.00	28.00	3,696.00
202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	285	\$ 22.50	6,412.50	square yard	40.00	11,400.00	24.00	6,840.00
202-00220	REMOVAL OF ASPHALT MAT	SY	223	\$ 28.00	6,244.00	square yard	40.00	8,920.00	24.00	5,352.00
202-00810	REMOVAL OF GROUND SIGN	EACH	5	\$ 75.00	375.00	each	85.00	425.00	175.00	875.00
202-00821	REMOVAL OF SIGN PANEL	EACH	52	\$ 60.00	3,120.00	each	65.00	3,380.00	90.00	4,680.00
202-00828	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	LS	1	\$ 13,500.00	13,500.00	lump sum	25,000.00	25,000.00	28,900.00	28,900.00
202-04005	CLEAN VALVE BOX	EACH	2	\$ 300.00	600.00	each	750.00	1,500.00	350.00	700.00
203-01597	POTHOLING	EACH	60	\$ 310.00	18,600.00	each	215.00	12,900.00	435.00	26,100.00
	208 SEDIMENT CONTROL LOG	LF	176	\$ 7.00	1,232.00	linear foot	15.00	2,640.00	22.00	3,872.00
208-00845	CONCRETE WASHOUT STRUCTURE	EACH	4	\$ 900.00	3,600.00	each	2,500.00	10,000.00	3,430.00	13,720.00
	208 STORM DRAIN INLET PROTECTION	EACH	18	\$ 250.00	4,500.00	each	275.00	4,950.00	410.00	7,380.00
	208 CONSTRUCTION FENCE	LF	400	\$ 5.00	2,000.00	linear foot	7.00	2,800.00	2.50	1,000.00
	208 EROSION CONTROL SUPERVISOR (INCLUDES PE OVERSITE)	HOURL	75	\$ 90.00	6,750.00	hour	95.00	7,125.00	110.00	8,250.00
	210 RESET CAMERA	EACH	3	\$ 1,200.00	3,600.00	each	700.00	2,100.00	765.00	2,295.00
	210 RESET CCTV CAMERA	EACH	3	\$ 1,300.00	3,900.00	each	750.00	2,250.00	765.00	2,295.00
210-00810	RESET GROUND SIGN	EACH	3	\$ 250.00	750.00	each	85.00	255.00	405.00	1,215.00
210-00815	RESET SIGN PANEL	EACH	2	\$ 150.00	300.00	each	125.00	250.00	375.00	750.00
210-04010	ADJUST MANHOLE	EACH	3	\$ 650.00	1,950.00	each	1,500.00	4,500.00	1,140.00	3,420.00
210-04050	ADJUST VALVE BOX	EACH	2	\$ 250.00	500.00	each	750.00	1,500.00	930.00	1,860.00
403-00720	HOT MIX ASPHALT (PATCHING)(ASPHALT)	TON	100	\$ 235.00	23,500.00	ton	375.00	37,500.00	340.00	34,000.00
412-01100	CONCRETE PAVEMENT (11 INCH)	SY	196	\$ 125.00	24,500.00	square yard	125.00	24,500.00	120.00	23,520.00
503-00036	DRILLED CAISSON (36 INCH)	LF	119	\$ 390.00	46,410.00	linear foot	450.00	53,550.00	430.00	51,170.00
503-00048	DRILLED CAISSON (48 INCH)	LF	17	\$ 490.00	8,330.00	linear foot	635.00	10,795.00	490.00	8,330.00
	503 VACUUM CAISSON (36 INCH)	LF	31	\$ 470.00	14,570.00	linear foot	595.00	18,445.00	505.00	15,655.00
603-01180	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	33	\$ 120.00	3,960.00	linear foot	125.00	4,125.00	425.00	14,025.00
604-16005	INLET TYPE 16 (5 FOOT)	EACH	1	\$ 7,500.00	7,500.00	each	7,500.00	7,500.00	9,540.00	9,540.00
604-16010	INLET TYPE 16 (10 FOOT)	EACH	1	\$ 9,500.00	9,500.00	each	9,500.00	9,500.00	10,600.00	10,600.00
604-16510	INLET TYPE 16 (DOUBLE)10 FOOT)	EACH	1	\$ 10,500.00	10,500.00	each	11,500.00	11,500.00	14,800.00	14,800.00
604-30010	MANHOLE SLAB BASE (10 FOOT)	EACH	1	\$ 5,000.00	5,000.00	each	7,500.00	7,500.00	11,650.00	11,650.00
608-	CONCRETE SIDEWALK (6 INCH)(SPECIAL)	SY	25	\$ 135.00	3,375.00	square yard	80.00	2,000.00	105.00	2,625.00
608-00006	CONCRETE SIDEWALK (6 INCH)	SY	575	\$ 75.00	43,125.00	square yard	70.00	40,250.00	65.00	37,375.00
608-	CONCRETE CURB RAMP (SPECIAL)	SY	25	\$ 210.00	5,250.00	square yard	200.00	5,000.00	195.00	4,875.00
608-00010	CONCRETE CURB RAMP	SY	264	\$ 135.00	35,640.00	square yard	175.00	46,200.00	150.00	39,600.00
608-00015	DETECTABLE WARNINGS	SF	24	\$ 120.00	2,880.00	square foot	110.00	2,640.00	125.00	3,000.00
	609 6" CURB HEAD (CCD DETAIL 5.3B)	LF	18	\$ 22.00	396.00	linear foot	35.00	630.00	54.00	972.00
	609 6" CURB AND GUTTER - 1' PAN (CCD DETAIL 5.3A)	LF	169	\$ 32.00	5,408.00	linear foot	32.00	5,408.00	31.00	5,239.00
	609 6" CURB AND GUTTER - 2' PAN (CCD DETAIL 5.3A)	LF	804	\$ 35.00	28,140.00	linear foot	35.00	28,140.00	32.00	25,728.00
610-00024	MEDIAN COVER MATERIAL (12" CONCRETE) (#67 OR #57 AGGREGATE)	SF	838	\$ 36.00	30,168.00	square foot	20.00	16,760.00	14.00	11,732.00
613-00200	2-INCH ELECTRICAL CONDUIT	LF	1490	\$ 23.00	34,270.00	linear foot	22.50	33,525.00	30.00	44,700.00
613-00300	3-INCH ELECTRICAL CONDUIT	LF	2970	\$ 26.00	77,220.00	linear foot	21.00	62,370.00	32.00	95,040.00
613-06000	ELECTRICAL METER PEDESTAL CABINET AND BASE	EACH	4	\$ 4,000.00	16,000.00	each	4,200.00	16,800.00	5,185.00	20,740.00
613-07000	PULL BOX (SPECIAL)	EACH	4	\$ 1,000.00	4,000.00	each	1,100.00	4,400.00	1,410.00	5,640.00
613-10000	WIRING	LS	1	\$ 12,000.00	12,000.00	lump sum	18,000.00	18,000.00	41,500.00	41,500.00
	613 INSTALL LUMINAIRE (LED) (5300 LUMENS) (55 WATT)	EACH	17	\$ 850.00	14,450.00	each	780.00	13,260.00	825.00	14,025.00
614-00011	SIGN PANEL (CLASS I)	SF	214	\$ 30.00	6,420.00	square foot	30.00	6,420.00	34.00	7,276.00
614-00035	SIGN PANEL (SPECIAL)	SF	203	\$ 35.00	7,105.00	square foot	40.00	8,120.00	61.00	12,383.00
614-00216	STEEL SIGN POST (2 X 2 INCH TUBING)	LF	114	\$ 17.00	1,938.00	linear foot	12.00	1,368.00	23.00	2,622.00
614-70150	PEDESTRIAN SIGNAL HEADS (COUNT DOWN)	EACH	34	\$ 610.00	20,740.00	each	655.00	22,270.00	690.00	23,460.00
614-70225	TRAFFIC SIGNAL HEAD (12-12)(BUS PRIORITY SIGNAL)	EACH	1	\$ 825.00	825.00	each	698.00	698.00	870.00	870.00
614-70336	TRAFFIC SIGNAL HEADS (12-12-12)	EACH	47	\$ 835.00	39,245.00	each	733.00	34,451.00	1,075.00	50,525.00
614-72866	EMERGENCY VEHICLE TRAFFIC PRIORITY CONTROL SYSTEM	EACH	4	\$ 7,500.00	30,000.00	each	5,427.00	21,708.00	6,150.00	24,600.00
614-75855	TRAFFIC SIGNAL CONTROLLER AND CABINET	EACH	4	\$ 25,000.00	100,000.00	each	19,490.00	77,960.00	20,825.00	83,300.00
614-81000	TRAFFIC SIGNAL - LIGHT POLE STEEL (NO MAST ARM)	EACH	9	\$ 3,750.00	33,750.00	each	4,000.00	36,000.00	2,825.00	25,425.00
614-81120	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-20 FOOT MAST ARM)	EACH	1	\$ 10,250.00	10,250.00	each	10,250.00	10,250.00	10,425.00	10,425.00
614-81145	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-45 FOOT MAST ARM)	EACH	1	\$ 15,250.00	15,250.00	each	14,125.00	14,125.00	14,125.00	14,125.00
614-81150	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-50 FOOT MAST ARM)	EACH	2	\$ 15,700.00	31,400.00	each	14,750.00	29,500.00	14,490.00	28,980.00
614-81155	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-55 FOOT MAST ARM)	EACH	3	\$ 20,700.00	62,100.00	each	15,350.00	46,050.00	15,000.00	45,000.00
614-81165	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-65 FOOT MAST ARM)	EACH	1	\$ 23,000.00	23,000.00	each	18,250.00	18,250.00	18,150.00	18,150.00
614-81240	TRAFFIC SIGNAL-LIGHT POLE STEEL (2-40 FOOT MAST ARM)	EACH	1	\$ 21,500.00	21,500.00	each	17,000.00	17,000.00	18,035.00	18,035.00
614-84100	TRAFFIC SIGNAL PEDESTAL POLE ALUMINUM (10 FOOT)	EACH	1	\$ 1,250.00	1,250.00	each	1,900.00	1,900.00	2,550.00	2,550.00
614-86105	TELEMETRY (FIELD)	EACH	4	\$ 2,250.00	9,000.00	each	4,200.00	16,800.00	4,900.00	19,600.00
614-86800	UNINTERRUPTED POWER SUPPLY	EACH	4	\$ 2,000.00	8,000.00	each	6,555.00	26,620.00	5,955.00	23,820.00
614-87690	ETHERNET MANAGE FIELD SWITCH PACKAGE	EACH	4	\$ 3,000.00	12,000.00	each	6,434.00	25,736.00	2,475.00	9,900.00
622-00010	BICYCLE RACK	EACH	4	\$ 800.00	3,200.00	each	750.00	3,000.00	1,985.00	7,940.00
625-00000	CONSTRUCTION SURVEYING	LS	1	\$ 12,500.00	12,500.00	lump sum	18,912.00	18,912.00	16,850.00	16,850.00
626-00000	MOBILIZATION	LS	1	\$ 48,300.00	48,300.00	lump sum	60,000.00	60,000.00	69,000.00	69,000.00
627-00005	EPOXY PAVEMENT MARKING	GAL	9	\$ 550.00	4,950.00	gallon	650.00	5,850.00	355.00	3,195.00
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE)	SF	3033	\$ 15.00	45,495.00	square foot	14.00	42,462.00	14.00	42,462.00
629-01065	SURVEY MONUMENT (TYPE 5S)	EACH	7	\$ 900.00	6,300.00	each	1,000.00	7,000.00	545.00	3,815.00
630-00000	FLAGGING	HOURL	560	\$ 32.50	18,200.00	hour	30.00	16,800.00	26.00	14,560.00
630-00003	UNIFORMED TRAFFIC CONTROL	HOURL	72	\$ 105.00	7,560.00	hour	120.00	8,640.00	105.00	7,560.00
630-00007	TRAFFIC CONTROL INSPECTION	DAY	18	\$ 120.00	2,160.00	day	90.00	1,620.00	79.00	1,422.00
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	80	\$ 600.00	48,000.00	day	930.00	74,400.00	985.00	78,800.00
630-80335	BARRICADE (TYPE 3 M-A)(TEMPORARY)	EACH	3	\$ 150.00	450.00	each	6.00	18.00	6.00	18.00
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EACH	30	\$ 75.00	2,250.00	each	6.00	180.00	6.00	180.00
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EACH	12	\$ 135.00	1,620.00	each	60.00	720.00	53.00	636.00
630-80344	CONSTRUCTION TRAFFIC SIGN (SPECIAL)	SF	45	\$ 40.00	1,800.00	square foot	6.00	270.00	6.00	270.00
630-80355	PORTABLE MESSAGE SIGN PANEL	EACH	6	\$ 2,150.00	12,900.00	each	1,200.00	7,200.00	1,050.00	6,300.00
630-80356	ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL (A TYPE)	EACH	3	\$ 800.00	2,400.00	each	960.00	2,880.00	525.00	1,575.00
630-80360	DRUM CHANNELIZING DEVICE	EACH	90	\$ 32.50	2,925.00	each	6.00	540.00	6.00	540.00
630-80363	DRUM CHANNELIZING DEVICE (WITH LIGHT)(FLASHING)	EACH	15	\$ 35.00	525.00	each	18.00	270.00	16.00	240.00
630-80380	TRAFFIC CONE	EACH	120	\$ 12.00	1,440.00	each	6.00	720.		