

| 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 SIGNAL 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 | | |