# Estimate 114161

Estimated Cost:$136,856,084.93

Contingency:  17.90%

**Estimated Total: $161,353,324.13**

HAM-75-1.95
Stage 2

***Base Date: 10/29/26***

Spec Year: 23

Unit System: E

Work Type: ASPHALT

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County:  HAMILTON

Latitude of Midpoint:  390730

Longitude of Midpoint:  843210

District: 08

Federal/State Project Number: E210(239)

*Prepared by EMH&T on 10/29/26*
*Checked by EMH&T on 10/29/26*

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| **Group 0100:** Roadway | | | | | |
| 0001 | 201E11000<br>CLEARING AND GRUBBING | 1.000 | LS | $100,000.00000 | $100,000.00 |
| 0002 | 202E23000<br>PAVEMENT REMOVED | 38,586.000 | SY | $12.00000 | $463,032.00 |
| 0003 | 202E30000<br>WALK REMOVED | 21,438.000 | SF | $5.11568 | $109,669.95 |
| 0004 | 202E30600<br>CONCRETE MEDIAN REMOVED | 369.000 | SY | $20.01849 | $7,386.82 |
| 0005 | 202E30700<br>CONCRETE BARRIER REMOVED | 1,450.000 | FT | $33.22553 | $48,177.02 |
| 0006 | 202E32000<br>CURB REMOVED | 4,995.000 | FT | $10.67441 | $53,318.68 |
| 0007 | 202E35100<br>PIPE REMOVED, 24" DIAMETER AND UNDER | 3,222.000 | FT | $25.00000 | $80,550.00 |
| 0008 | 202E35200<br>PIPE REMOVED, OVER 24" DIAMETER | 22.000 | FT | $65.00000 | $1,430.00 |
| 0009 | 202E38000<br>GUARDRAIL REMOVED | 14,160.000 | FT | $1.78640 | $25,295.42 |
| 0010 | 202E58000<br>MANHOLE REMOVED | 14.000 | EACH | $1,500.00000 | $21,000.00 |
| 0011 | 202E58100<br>CATCH BASIN REMOVED | 8.000 | EACH | $949.92254 | $7,599.38 |
| 0012 | 202E58200<br>INLET REMOVED | 7.000 | EACH | $1,000.00000 | $7,000.00 |
| 0013 | 202E70000<br>SPECIAL - FILL AND PLUG EXISTING CONDUIT | 2,322.000 | FT | $56.00000 | $130,032.00 |
| 0014 | 202E75000<br>FENCE REMOVED | 6,711.000 | FT | $4.00000 | $26,844.00 |
| 0015 | 202E98100<br>REMOVAL MISC.:<br>*HEADWALL* | 2.000 | EACH | $300.00000 | $600.00 |
| 0016 | 203E10000<br>EXCAVATION | 68,930.000 | CY | $18.06194 | $1,245,009.52 |
| 0017 | 203E20000<br>EMBANKMENT | 131,200.000 | CY | $20.00000 | $2,624,000.00 |

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| 0018 | 204E10000 | SUBGRADE COMPACTION | 26,120.000 | SY | $1.91796 | $50,097.12 |
| 0019 | 204E13000 | EXCAVATION OF SUBGRADE | 363.000 | CY | $44.25844 | $16,065.81 |
| 0020 | 204E30010 | GRANULAR MATERIAL, TYPE B | 363.000 | CY | $83.81654 | $30,425.40 |
| 0021 | 204E45000 | PROOF ROLLING | 9.000 | HOUR | $374.97747 | $3,374.80 |
| 0022 | 204E50000 | GEOTEXTILE FABRIC | 1,089.000 | SY | $2.42783 | $2,643.91 |
| 0023 | 206E10500 | CEMENT | 997.000 | TON | $255.00000 | $254,235.00 |
| 0024 | 206E11000 | CURING COAT | 33,036.000 | SY | $1.20282 | $39,736.36 |
| 0025 | 206E15020 | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP | 33,036.000 | SY | $6.50000 | $214,734.00 |
| 0026 | 206E20000 | TEST ROLLING | 12.000 | HOUR | $250.00000 | $3,000.00 |
| 0027 | 206E30000 | MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS | 1.000 | LS | $60,000.00000 | $60,000.00 |
| 0028 | 601E37500 | PAVED GUTTER, TYPE 1-2 | 529.000 | FT | $77.65184 | $41,077.82 |
| 0029 | 606E15050 | GUARDRAIL, TYPE MGS | 6,863.000 | FT | $37.00000 | $253,931.00 |
| 0030 | 606E15100 | GUARDRAIL, TYPE MGS WITH LONG POSTS | 422.000 | FT | $24.68257 | $10,416.04 |
| 0031 | 606E26150 | ANCHOR ASSEMBLY, MGS TYPE E | 5.000 | EACH | $2,671.92091 | $13,359.60 |
| 0032 | 606E26550 | ANCHOR ASSEMBLY, MGS TYPE T | 8.000 | EACH | $1,302.37663 | $10,419.01 |
| 0033 | 606E35002 | MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 | 7.000 | EACH | $2,539.56612 | $17,776.96 |
| 0034 | 606E35102 | MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2 | 9.000 | EACH | $379.76396 | $3,417.88 |
| 0035 | 607E23000 | | 663.000 | FT | $32.95994 | $21,852.44 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | FENCE, TYPE CLT | | | | |
| 0036 | 608E12000<br>5" CONCRETE WALK | 16,487.000 | SF | $10.00000 | $164,870.00 |
| 0037 | 608E52000<br>CURB RAMP | 1,622.000 | SF | $32.01196 | $51,923.40 |
| 0038 | 609E24510<br>CURB, TYPE 4-C | 3,486.000 | FT | $19.50000 | $67,977.00 |
| 0039 | 609E26000<br>CURB, TYPE 6 | 3,148.000 | FT | $29.16732 | $91,818.72 |
| 0040 | 622E10120<br>CONCRETE BARRIER, SINGLE SLOPE, TYPE C | 1,551.000 | FT | $185.00000 | $286,935.00 |
| 0041 | 622E10140<br>CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 | 33.000 | FT | $360.00000 | $11,880.00 |
| 0042 | 622E10160<br>CONCRETE BARRIER, SINGLE SLOPE, TYPE D | 4,402.000 | FT | $130.00000 | $572,260.00 |
| 0043 | 622E10200<br>BARRIER TRANSITION | 1.000 | EACH | $8,770.53701 | $8,770.54 |
| 0044 | 622E25008<br>CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C | 24.000 | EACH | $4,608.69012 | $110,608.56 |
| 0045 | 622E25014<br>CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 | 1.000 | EACH | $7,500.00000 | $7,500.00 |
| 0046 | 622E25050<br>CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D | 74.000 | EACH | $6,500.00000 | $481,000.00 |

Total for Group 0100:$7,853,051.16

## Group 0200: Erosion Control

| | | | | | |
|---|---|---|---|---|---|
| 0047 | 601E11000<br>RIPRAP, TYPE D | 633.000 | SY | $109.23196 | $69,143.83 |
| 0048 | 601E21050<br>TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT | 165.000 | SY | $112.32470 | $18,533.58 |
| 0049 | 659E00100<br>SOIL ANALYSIS TEST | 2.000 | EACH | $107.30912 | $214.62 |
| 0050 | 659E00300<br>TOPSOIL | 6,703.000 | CY | $22.03263 | $147,684.72 |
| 0051 | 659E10000 | 60,388.000 | SY | $0.56715 | $34,249.05 |

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| | | SEEDING AND MULCHING | | | | |
| 0052 | 659E14000 | REPAIR SEEDING AND MULCHING | 3,019.000 | SY | $0.57910 | $1,748.30 |
| 0053 | 659E15000 | INTER-SEEDING | 3,019.000 | SY | $0.15827 | $477.82 |
| 0054 | 659E20000 | COMMERCIAL FERTILIZER | 13.580 | TON | $884.86751 | $12,016.50 |
| 0055 | 659E31000 | LIME | 12.480 | ACRE | $78.96089 | $985.43 |
| 0056 | 659E35000 | WATER | 342.000 | MGAL | $0.78988 | $270.14 |
| 0057 | 659E40000 | MOWING | 136.000 | MSF | $6.35739 | $864.61 |
| 0058 | 670E00500 | SLOPE EROSION PROTECTION | 12,038.000 | SY | $1.88612 | $22,705.11 |
| 0059 | 670E00700 | DITCH EROSION PROTECTION | 479.000 | SY | $2.13110 | $1,020.80 |
| 0060 | 832E15000 | STORM WATER POLLUTION PREVENTION PLAN | 1.000 | LS | $30,000.00000 | $30,000.00 |
| 0061 | 832E15002 | STORM WATER POLLUTION PREVENTION INSPECTIONS | 1.000 | LS | $30,000.00000 | $30,000.00 |
| 0062 | 832E15010 | STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE | 1.000 | LS | $30,000.00000 | $30,000.00 |
| 0063 | 832E30000 | EROSION CONTROL | 1.000 | EACH | $300,000.00000 | $300,000.00 |

Total for Group 0200:$699,914.51

## Group 0250: Pavement

| | | | | | | |
|---|---|---|---|---|---|---|
| 0523 | 254E01000 | PAVEMENT PLANING, ASPHALT CONCRETE | 74,308.000 | SY | $3.50000 | $260,078.00 |
| 0524 | 302E56000 | ASPHALT CONCRETE BASE, PG64-22, (449)<br>*LIFT 1* | 2,876.000 | CY | $235.00000 | $675,860.00 |
| 0525 | 302E56000 | ASPHALT CONCRETE BASE, PG64-22, (449)<br>*LIFT 2* | 2,919.000 | CY | $235.00000 | $685,965.00 |
| 0526 | 304E20000 | AGGREGATE BASE | 5,725.000 | CY | $85.00000 | $486,625.00 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | **Description**<br>***Supplemental Description*** | | | | |
| | *6" DEPTH* | | | | |
| 0527 | 304E20000 | 7,200.000 | CY | $85.00000 | $612,000.00 |
| | AGGREGATE BASE<br>*10.25" DEPTH* | | | | |
| 0528 | 305E13010 | 748.000 | SY | $125.00000 | $93,500.00 |
| | 9" CONCRETE BASE, CLASS QC 1P | | | | |
| 0529 | 407E20000 | 4,003.000 | GAL | $4.29012 | $17,173.35 |
| | NON-TRACKING TACK COAT<br>*0.06 GAL/SY* | | | | |
| 0530 | 407E20000 | 12,633.000 | GAL | $4.29012 | $54,197.09 |
| | NON-TRACKING TACK COAT<br>*0.09 GAL/SY* | | | | |
| 0531 | 442E00100 | 8,899.000 | CY | $10.75000 | $95,664.25 |
| | ANTI-SEGREGATION EQUIPMENT | | | | |
| 0532 | 442E10080 | 4,819.000 | CY | $265.00000 | $1,277,035.00 |
| | ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) | | | | |
| 0533 | 442E10300 | 4,080.000 | CY | $280.00000 | $1,142,400.00 |
| | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447) | | | | |
| 0534 | 452E14122 | 30,311.000 | SY | $105.00000 | $3,182,655.00 |
| | 11.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/ QA | | | | |

Total for Group 0250:$8,583,152.69

## Group 0300: Drainage

| | | | | | |
|---|---|---|---|---|---|
| 0064 | 605E05100 | 6,253.000 | FT | $17.51806 | $109,540.43 |
| | 4" SHALLOW PIPE UNDERDRAINS | | | | |
| 0065 | 605E13300 | 72.000 | FT | $29.32540 | $2,111.43 |
| | 6" UNCLASSIFIED PIPE UNDERDRAINS | | | | |
| 0066 | 605E14000 | 27,952.000 | FT | $13.84324 | $386,946.24 |
| | 6" BASE PIPE UNDERDRAINS | | | | |
| 0067 | 611E00510 | 2,155.000 | FT | $35.51959 | $76,544.72 |
| | 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS | | | | |
| 0068 | 611E04401 | 12.000 | FT | $170.00000 | $2,040.00 |
| | 12" CONDUIT, TYPE B, AS PER PLAN | | | | |
| 0069 | 611E05900 | 5,720.000 | FT | $171.00000 | $978,120.00 |
| | 15" CONDUIT, TYPE B | | | | |
| 0070 | 611E05901 | 3,523.000 | FT | $180.00000 | $634,140.00 |
| | 15" CONDUIT, TYPE B, AS PER PLAN<br>*, 706.02, JOINTS PER 706.11* | | | | |
| 0071 | 611E06100 | 1,728.000 | FT | $155.00000 | $267,840.00 |
| | 15" CONDUIT, TYPE C | | | | |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| 0072 | 611E07400<br>18" CONDUIT, TYPE B | 302.000 | FT | $190.07904 | $57,403.87 |
| 0073 | 611E08901<br>21" CONDUIT, TYPE B, AS PER PLAN | 41.000 | FT | $215.00000 | $8,815.00 |
| 0074 | 611E10400<br>24" CONDUIT, TYPE B | 90.000 | FT | $180.00000 | $16,200.00 |
| 0075 | 611E10401<br>24" CONDUIT, TYPE B, AS PER PLAN<br>*, 706.02, JOINTS PER 706.11* | 1,037.000 | FT | $230.00000 | $238,510.00 |
| 0076 | 611E10600<br>24" CONDUIT, TYPE C | 204.000 | FT | $135.40665 | $27,622.96 |
| 0077 | 611E13400<br>30" CONDUIT, TYPE B | 184.000 | FT | $210.00000 | $38,640.00 |
| 0078 | 611E13401<br>30" CONDUIT, TYPE B, AS PER PLAN | 284.000 | FT | $325.00000 | $92,300.00 |
| 0079 | 611E13401<br>30" CONDUIT, TYPE B, AS PER PLAN<br>*, 706.02, JOINTS PER 706.11* | 518.000 | FT | $350.00000 | $181,300.00 |
| 0080 | 611E13600<br>30" CONDUIT, TYPE C | 215.000 | FT | $180.46399 | $38,799.76 |
| 0081 | 611E16600<br>36" CONDUIT, TYPE C | 250.000 | FT | $237.22984 | $59,307.46 |
| 0082 | 611E98150<br>CATCH BASIN, NO. 3 | 15.000 | EACH | $5,043.46451 | $75,651.97 |
| 0083 | 611E98180<br>CATCH BASIN, NO. 3A | 16.000 | EACH | $4,558.44548 | $72,935.13 |
| 0084 | 611E98370<br>CATCH BASIN, NO. 6 | 6.000 | EACH | $4,131.28925 | $24,787.74 |
| 0085 | 611E98410<br>CATCH BASIN, NO. 8 | 21.000 | EACH | $6,748.07319 | $141,709.54 |
| 0086 | 611E98434<br>CATCH BASIN, NO. 8A | 15.000 | EACH | $8,900.00000 | $133,500.00 |
| 0087 | 611E98470<br>CATCH BASIN, NO. 2-2B | 1.000 | EACH | $3,739.98391 | $3,739.98 |
| 0088 | 611E98510<br>CATCH BASIN, NO. 2-3 | 1.000 | EACH | $4,210.89926 | $4,210.90 |
| 0089 | 611E99104<br>INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C | 6.000 | EACH | $13,100.00000 | $78,600.00 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| 0090 | 611E99114<br>INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D | 73.000 | EACH | $20,000.00000 | $1,460,000.00 |
| 0091 | 611E99574<br>MANHOLE, NO. 3 | 35.000 | EACH | $9,250.00000 | $323,750.00 |
| 0092 | 638E06708<br>24" STEEL PIPE ENCASEMENT, OPEN CUT | 2,085.000 | FT | $500.00000 | $1,042,500.00 |
| 0093 | 638E06904<br>36" STEEL PIPE ENCASEMENT, OPEN CUT | 38.000 | FT | $750.00000 | $28,500.00 |
| 0094 | 638E06910<br>40" STEEL PIPE ENCASEMENT, OPEN CUT | 215.000 | FT | $850.00000 | $182,750.00 |
| 0095 | 638E07310<br>24" STEEL PIPE ENCASEMENT, BORED OR JACKED | 732.000 | FT | $1,000.00000 | $732,000.00 |
| 0096 | 638E07316<br>36" STEEL PIPE ENCASEMENT, BORED OR JACKED | 758.000 | FT | $1,500.00000 | $1,137,000.00 |
| 0097 | 638E07330<br>54" STEEL PIPE ENCASEMENT, BORED OR JACKED | 242.000 | FT | $2,000.00000 | $484,000.00 |
| 0098 | 839E30000<br>TRENCH DRAIN, TYPE B WITH STANDARD GRATE | 441.000 | FT | $235.00000 | $103,635.00 |

Total for Group 0300:$9,245,452.13

## Group 0700: ODOT Lighting

| | | | | | |
|---|---|---|---|---|---|
| 0111 | 625E00450<br>CONNECTION, FUSED PULL APART | 60.000 | EACH | $228.36743 | $13,702.05 |
| 0112 | 625E00480<br>CONNECTION, UNFUSED PERMANENT | 18.000 | EACH | $184.15688 | $3,314.82 |
| 0113 | 625E10490<br>LIGHT POLE, CONVENTIONAL<br>*, AT4B30* | 1.000 | EACH | $4,068.57979 | $4,068.58 |
| 0114 | 625E10490<br>LIGHT POLE, CONVENTIONAL<br>*, A4B30* | 2.000 | EACH | $4,068.57979 | $8,137.16 |
| 0115 | 625E10490<br>LIGHT POLE, CONVENTIONAL<br>*, A4B20* | 4.000 | EACH | $4,068.57979 | $16,274.32 |
| 0116 | 625E10494<br>LIGHT POLE, LOW MAST<br>*, ALM60* | 4.000 | EACH | $4,336.35146 | $17,345.41 |
| 0117 | 625E10494<br>LIGHT POLE, LOW MAST<br>*, ALM50* | 14.000 | EACH | $4,336.35146 | $60,708.92 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description<br>*Supplemental Description* | | | | |
| 0118 | 625E13200<br>LIGHT TOWER, BBBB100 | 2.000 | EACH | $40,000.00000 | $80,000.00 |
| 0119 | 625E13208<br>LIGHT TOWER, BBBB120 | 1.000 | EACH | $40,000.00000 | $40,000.00 |
| 0120 | 625E14200<br>LIGHT POLE FOUNDATION, 24" X 10' DEEP | 23.000 | EACH | $2,138.58328 | $49,187.42 |
| 0121 | 625E15201<br>LIGHT TOWER FOUNDATION, 36" X 25' DEEP, AS PER PLAN | 3.000 | EACH | $12,000.00000 | $36,000.00 |
| 0122 | 625E22900<br>NO. 1/0 AWG 2400 VOLT DISTRIBUTION CABLE | 800.000 | FT | $8.00000 | $6,400.00 |
| 0123 | 625E23200<br>NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE | 28,500.000 | FT | $3.86397 | $110,123.15 |
| 0124 | 625E23400<br>NO. 10 AWG POLE AND BRACKET CABLE | 4,080.000 | FT | $2.07472 | $8,464.86 |
| 0125 | 625E24320<br>1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES | 1,100.000 | FT | $14.31225 | $15,743.48 |
| 0126 | 625E25500<br>CONDUIT, 3", 725.04 | 5,400.000 | FT | $8.00000 | $43,200.00 |
| 0127 | 625E25900<br>CONDUIT, JACKED OR DRILLED *, 3", 725.04* | 1,500.000 | FT | $30.00000 | $45,000.00 |
| 0128 | 625E26253<br>LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN *, 480V* | 7.000 | EACH | $800.00000 | $5,600.00 |
| 0129 | 625E26263<br>LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN *, 480V* | 12.000 | EACH | $2,000.00000 | $24,000.00 |
| 0130 | 625E26273<br>LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN *, 480V, TYPE III* | 5.000 | EACH | $2,000.00000 | $10,000.00 |
| 0131 | 625E26273<br>LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN *, 480V, TYPE V* | 24.000 | EACH | $2,000.00000 | $48,000.00 |
| 0132 | 625E27503<br>LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN *, 480V* | 12.000 | EACH | $1,000.00000 | $12,000.00 |
| 0133 | 625E29000<br>TRENCH | 6,500.000 | FT | $10.00000 | $65,000.00 |
| 0134 | 625E29920<br>STRUCTURE JUNCTION BOX | 11.000 | EACH | $4,000.00000 | $44,000.00 |
| 0135 | 625E29930<br>MEDIAN JUNCTION BOX | 1.000 | EACH | $3,674.42495 | $3,674.42 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| 0136 | 625E30700<br>PULL BOX, 725.08, 18" | 15.000 | EACH | $1,347.61534 | $20,214.23 |
| 0137 | 625E30706<br>PULL BOX, 725.08, 24" | 6.000 | EACH | $1,422.64820 | $8,535.89 |
| 0138 | 625E31510<br>PULL BOX REMOVED | 8.000 | EACH | $275.25819 | $2,202.07 |
| 0139 | 625E32000<br>GROUND ROD | 36.000 | EACH | $374.36493 | $13,477.14 |
| 0140 | 625E33000<br>STRUCTURE GROUNDING SYSTEM | 5.000 | EACH | $15,000.00000 | $75,000.00 |
| 0141 | 625E34001<br>POWER SERVICE, AS PER PLAN | 2.000 | EACH | $15,000.00000 | $30,000.00 |
| 0142 | 625E35010<br>REMOVE AND REERECT EXISTING LIGHT POLE | 5.000 | EACH | $1,898.64329 | $9,493.22 |
| 0143 | 625E36010<br>UNDERGROUND WARNING MARKING TAPE | 6,500.000 | FT | $1.87161 | $12,165.47 |
| 0144 | 625E37101<br>SERVICE TO UNDERPASS LIGHTING, AS PER PLAN | 1.000 | EACH | $25,000.00000 | $25,000.00 |
| 0145 | 625E38000<br>HIGH VOLTAGE TEST | 1.000 | LS | $5,000.00000 | $5,000.00 |
| 0146 | 625E40000<br>SPECIAL - MAINTAIN EXISTING LIGHTING | 1.000 | LS | $200.00000 | $200.00 |
| 0147 | 625E75350<br>LIGHT TOWER REMOVED | 8.000 | EACH | $1,867.20224 | $14,937.62 |
| 0148 | 625E75400<br>LIGHT POLE REMOVED | 27.000 | EACH | $316.56387 | $8,547.22 |
| 0149 | 625E75500<br>LIGHT POLE FOUNDATION REMOVED | 32.000 | EACH | $356.70105 | $11,414.43 |
| 0150 | 625E75506<br>LUMINAIRE REMOVED | 64.000 | EACH | $58.05926 | $3,715.79 |
| 0151 | 625E75510<br>POWER SERVICE REMOVED | 4.000 | EACH | $2,000.00000 | $8,000.00 |
| 0152 | 625E75540<br>LIGHT TOWER FOUNDATION REMOVED | 8.000 | EACH | $520.93332 | $4,167.47 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| 0153 | 625E75550<br>DISTRIBUTION CABLE REMOVED | 37,500.000 | FT | $1.00000 | $37,500.00 |
| 0154 | 625E75800<br>DISCONNECT CIRCUIT | 4.000 | EACH | $161.59896 | $646.40 |
| 0155 | 625E76000<br>ARC FLASH CALCULATIONS AND LABEL<br>*CC-A* | 1.000 | EACH | $4,000.00000 | $4,000.00 |
| 0156 | 625E76000<br>ARC FLASH CALCULATIONS AND LABEL<br>*CC-A* | 1.000 | EACH | $4,000.00000 | $4,000.00 |
| 0157 | 625E98000<br>LIGHTING, MISC.:<br>*REMOVAL OF UNDERPASS LIGHTING* | 1.000 | EACH | $5,000.00000 | $5,000.00 |

Total for Group 0700:$1,073,161.54

## Group 0750: City Lighting

| | | | | | |
|---|---|---|---|---|---|
| 0158 | 625E00451<br>CONNECTION, FUSED PULL APART, AS PER PLAN | 22.000 | EACH | $230.00000 | $5,060.00 |
| 0159 | 625E00480<br>CONNECTION, UNFUSED PERMANENT | 36.000 | EACH | $184.15688 | $6,629.65 |
| 0160 | 625E10490<br>LIGHT POLE, CONVENTIONAL<br>*, AT4B30* | 4.000 | EACH | $4,068.57979 | $16,274.32 |
| 0161 | 625E14000<br>LIGHT POLE FOUNDATION, 24" X 6' DEEP | 4.000 | EACH | $2,053.02756 | $8,212.11 |
| 0162 | 625E22990<br>NO. 6 AWG 600 VOLT DISTRIBUTION CABLE | 10,000.000 | FT | $3.03072 | $30,307.20 |
| 0163 | 625E23400<br>NO. 10 AWG POLE AND BRACKET CABLE | 612.000 | FT | $2.07472 | $1,269.73 |
| 0164 | 625E25803<br>CONDUIT, CONCRETE ENCASED, AS PER PLAN<br>*, 2″* | 1,500.000 | FT | $25.00000 | $37,500.00 |
| 0165 | 625E25903<br>CONDUIT, JACKED OR DRILLED, 725.04, AS PER PLAN<br>*, 3″* | 100.000 | FT | $30.00000 | $3,000.00 |
| 0166 | 625E26253<br>LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN<br>*, 240V* | 4.000 | EACH | $800.00000 | $3,200.00 |
| 0167 | 625E27403<br>LUMINAIRE, POST TOP, SOLID STATE (LED), AS PER PLAN<br>*, 240V* | 6.000 | EACH | $2,000.00000 | $12,000.00 |
| 0168 | 625E27503<br>LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN | 20.000 | EACH | $1,000.00000 | $20,000.00 |
| 0169 | 625E29000<br>TRENCH | 1,500.000 | FT | $10.00000 | $15,000.00 |

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| 0170 | 625E29920 | STRUCTURE JUNCTION BOX | 8.000 | EACH | $4,000.00000 | $32,000.00 |
| 0171 | 625E30701 | PULL BOX, 725.08, 18", AS PER PLAN | 9.000 | EACH | $1,350.00000 | $12,150.00 |
| 0172 | 625E31510 | PULL BOX REMOVED | 3.000 | EACH | $275.25819 | $825.77 |
| 0173 | 625E33000 | STRUCTURE GROUNDING SYSTEM | 5.000 | EACH | $15,000.00000 | $75,000.00 |
| 0174 | 625E34001 | POWER SERVICE, AS PER PLAN | 3.000 | EACH | $5,000.00000 | $15,000.00 |
| 0175 | 625E36010 | UNDERGROUND WARNING MARKING TAPE | 1,500.000 | FT | $1.87161 | $2,807.42 |
| 0176 | 625E37101 | SERVICE TO UNDERPASS LIGHTING, AS PER PLAN | 2.000 | EACH | $25,000.00000 | $50,000.00 |
| 0177 | 625E38000 | HIGH VOLTAGE TEST | 1.000 | LS | $5,000.00000 | $5,000.00 |
| 0178 | 625E40000 | SPECIAL - MAINTAIN EXISTING LIGHTING | 1.000 | LS | $50,000.00000 | $50,000.00 |
| 0179 | 625E75400 | LIGHT POLE REMOVED | 2.000 | EACH | $316.56387 | $633.13 |
| 0180 | 625E75500 | LIGHT POLE FOUNDATION REMOVED | 2.000 | EACH | $356.70105 | $713.40 |
| 0181 | 625E75506 | LUMINAIRE REMOVED | 2.000 | EACH | $58.05926 | $116.12 |
| 0182 | 625E75510 | POWER SERVICE REMOVED | 2.000 | EACH | $2,000.00000 | $4,000.00 |
| 0183 | 625E75550 | DISTRIBUTION CABLE REMOVED | 7,500.000 | FT | $1.00000 | $7,500.00 |
| 0184 | 625E75800 | DISCONNECT CIRCUIT | 3.000 | EACH | $161.59896 | $484.80 |
| 0185 | 625E98000 | LIGHTING, MISC.:<br>*REMOVAL OF UNDERPASS LIGHTING* | 2.000 | EACH | $5,000.00000 | $10,000.00 |
| 0186 | 625E98000 | LIGHTING, MISC.:<br>*RELOCATE EXISTING CONTROL CENTER CABINET* | 2.000 | EACH | $3,000.00000 | $6,000.00 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | | | | Total for Group 0750: | $430,683.65 |
| **Group 0800:** Traffic Control - Pavement Markings | | | | | |
| 0187 | 620E60000<br>DELINEATOR, POST SURFACE MOUNTED | 47.000 | EACH | $120.47606 | $5,662.37 |
| 0188 | 621E00100<br>RPM | 710.000 | EACH | $32.23455 | $22,886.53 |
| 0189 | 621E54000<br>RAISED PAVEMENT MARKER REMOVED | 710.000 | EACH | $6.47257 | $4,595.52 |
| 0190 | 644E00100<br>EDGE LINE, 4" | 0.500 | MILE | $3,798.11525 | $1,899.06 |
| 0191 | 644E00204<br>LANE LINE, 6" | 0.370 | MILE | $2,066.65968 | $764.66 |
| 0192 | 644E00300<br>CENTER LINE | 0.190 | MILE | $7,481.39557 | $1,421.47 |
| 0193 | 644E00400<br>CHANNELIZING LINE, 8" | 828.000 | FT | $1.78436 | $1,477.45 |
| 0194 | 644E00500<br>STOP LINE | 269.000 | FT | $7.17597 | $1,930.34 |
| 0195 | 644E00620<br>CROSSWALK LINE, 12" | 1,509.000 | FT | $3.29703 | $4,975.22 |
| 0196 | 644E00720<br>CHEVRON MARKING | 213.000 | FT | $7.17806 | $1,528.93 |
| 0197 | 644E00721<br>CHEVRON MARKING, AS PER PLAN | 28.000 | FT | $7.50000 | $210.00 |
| 0198 | 644E01200<br>PARKING LOT STALL MARKING | 480.000 | FT | $2.07404 | $995.54 |
| 0199 | 644E01300<br>LANE ARROW | 17.000 | EACH | $94.80731 | $1,611.72 |
| 0200 | 644E01350<br>LANE REDUCTION ARROW | 4.000 | EACH | $211.71531 | $846.86 |
| 0201 | 644E01360<br>WRONG WAY ARROW | 2.000 | EACH | $158.83915 | $317.68 |
| 0202 | 644E01370<br>TWO WAY LEFT TURN ARROW | 1.000 | EACH | $163.88780 | $163.89 |

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| 0203 | 644E01500 | DOTTED LINE, 4" | 476.000 | FT | $1.40095 | $666.85 |
| 0204 | 644E01630 | BIKE LANE SYMBOL MARKING | 8.000 | EACH | $301.81742 | $2,414.54 |
| 0205 | 644E19000 | SHARED LANE MARKING | 1.000 | EACH | $293.44936 | $293.45 |
| 0206 | 645E00118 | EDGE LINE, 6", TYPE A4 | 0.750 | MILE | $23,950.28141 | $17,962.71 |
| 0207 | 645E00220 | LANE LINE, 6", TYPE A4 | 0.830 | MILE | $8,500.00000 | $7,055.00 |
| 0208 | 645E00312 | CENTER LINE, TYPE A4 | 0.150 | MILE | $35,000.00000 | $5,250.00 |
| 0209 | 645E00418 | CHANNELIZING LINE, 12", TYPE A4 | 1,644.000 | FT | $9.00000 | $14,796.00 |
| 0210 | 645E00510 | STOP LINE, TYPE A3 | 48.000 | FT | $10.00000 | $480.00 |
| 0211 | 645E00710 | TRANSVERSE/DIAGONAL LINE, TYPE A3 | 83.000 | FT | $24.00000 | $1,992.00 |
| 0212 | 645E00726 | CHEVRON MARKING, TYPE A3 | 22.000 | FT | $24.00000 | $528.00 |
| 0213 | 645E01310 | LANE ARROW, TYPE A3 | 7.000 | EACH | $200.00000 | $1,400.00 |
| 0214 | 645E01424 | WORD ON PAVEMENT, 96", TYPE A3 | 1.000 | EACH | $200.00000 | $200.00 |
| 0215 | 645E01522 | DOTTED LINE, 6", TYPE A4 | 381.000 | FT | $6.00000 | $2,286.00 |
| 0216 | 645E01566 | DOTTED LINE, 12", TYPE A4 | 350.000 | FT | $9.00000 | $3,150.00 |
| 0217 | 646E10400 | STOP LINE | 100.000 | FT | $11.40971 | $1,140.97 |
| 0218 | 646E10620 | CHEVRON MARKING | 37.000 | FT | $9.99065 | $369.65 |
| 0219 | 646E20300 | LANE ARROW | 12.000 | EACH | $146.96608 | $1,763.59 |
| 0220 | 646E20320 | | 7.000 | EACH | $223.92948 | $1,567.51 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description<br>*Supplemental Description* | | | | |
| | WRONG WAY ARROW | | | | |
| 0221 | 646E20350 | 2.000 | EACH | $257.59952 | $515.20 |
| | LANE REDUCTION ARROW | | | | |
| 0222 | 646E20410 | 7.000 | EACH | $229.29671 | $1,605.08 |
| | WORD ON PAVEMENT, 96" | | | | |
| 0223 | 807E12010 | 3.570 | MILE | $5,858.01425 | $20,913.11 |
| | WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" | | | | |
| 0224 | 807E12110 | 0.140 | MILE | $8,296.61273 | $1,161.53 |
| | WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6" | | | | |
| 0225 | 807E12310 | 978.000 | FT | $2.47466 | $2,420.22 |
| | WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12 " | | | | |
| 0226 | 807E12410 | 674.000 | FT | $1.83941 | $1,239.76 |
| | WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6" | | | | |
| 0227 | 807E12430 | 104.000 | FT | $2.25000 | $234.00 |
| | WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 12" | | | | |
| 0228 | 807E14010 | 4.170 | MILE | $4,613.70526 | $19,239.15 |
| | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" | | | | |
| 0229 | 807E14110 | 6.320 | MILE | $1,943.91681 | $12,285.55 |
| | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6" | | | | |
| 0230 | 807E14310 | 5,529.000 | FT | $2.23621 | $12,364.01 |
| | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12" | | | | |
| 0231 | 807E14410 | 505.000 | FT | $1.65023 | $833.37 |
| | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6" | | | | |
| 0232 | 807E14430 | 2,059.000 | FT | $1.51288 | $3,115.02 |
| | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 12" | | | | |
| 0233 | 850E10010 | 10.580 | MILE | $1,727.35366 | $18,275.40 |
| | GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT) | | | | |
| 0234 | 850E10130 | 7,588.000 | FT | $1.34199 | $10,183.02 |
| | GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT) | | | | |
| 0235 | 850E20010 | 5.490 | MILE | $3,112.90580 | $17,089.85 |
| | GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE) | | | | |
| 0236 | 850E20030 | 0.740 | MILE | $6,000.00000 | $4,440.00 |
| | GROOVING FOR 12" RECESSED PAVEMENT MARKING, (CONCRETE) | | | | |

Total for Group 0800:$240,517.78

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| **Group 0850:** Traffic Control - Signing | | | | | |
| 0237 | 625E32000<br>GROUND ROD | 8.000 | EACH | $374.36493 | $2,994.92 |
| 0238 | 630E03100<br>GROUND MOUNTED SUPPORT, NO. 3 POST | 1,025.000 | FT | $14.21089 | $14,566.16 |
| 0239 | 630E04100<br>GROUND MOUNTED SUPPORT, NO. 4 POST | 31.000 | FT | $25.66081 | $795.49 |
| 0240 | 630E06100<br>GROUND MOUNTED SUPPORT, NO. 6 POST | 72.000 | FT | $23.43897 | $1,687.61 |
| 0241 | 630E06400<br>GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 | 58.000 | FT | $33.13914 | $1,922.07 |
| 0242 | 630E07500<br>GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22 | 168.000 | FT | $63.28743 | $10,632.29 |
| 0243 | 630E08004<br>ONE WAY SUPPORT, NO. 3 POST | 7.000 | FT | $28.83093 | $201.82 |
| 0244 | 630E08600<br>SIGN POST REFLECTOR | 28.000 | EACH | $43.37252 | $1,214.43 |
| 0245 | 630E09000<br>BREAKAWAY STRUCTURAL BEAM CONNECTION | 8.000 | EACH | $671.11552 | $5,368.92 |
| 0246 | 630E72340<br>OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12 | 4.000 | EACH | $45,084.13546 | $180,336.54 |
| 0247 | 630E72410<br>OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1 | 1.000 | EACH | $70,620.71683 | $70,620.72 |
| 0248 | 630E72430<br>OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 3 | 3.000 | EACH | $120,000.00000 | $360,000.00 |
| 0249 | 630E75000<br>SIGN ATTACHMENT ASSEMBLY | 1.000 | EACH | $786.18204 | $786.18 |
| 0250 | 630E79500<br>SIGN SUPPORT ASSEMBLY, POLE MOUNTED | 4.000 | EACH | $134.78943 | $539.16 |
| 0251 | 630E79610<br>SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED | 8.000 | EACH | $1,210.45230 | $9,683.62 |
| 0252 | 630E80100<br>SIGN, FLAT SHEET | 632.000 | SF | $19.47705 | $12,309.50 |
| 0253 | 630E80200<br>SIGN, GROUND MOUNTED EXTRUSHEET | 28.000 | SF | $29.11732 | $815.28 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description<br>*Supplemental Description* | | | | |
| 0254 | 630E80224<br>SIGN, OVERHEAD EXTRUSHEET | 3,867.000 | SF | $26.09964 | $100,927.31 |
| 0255 | 630E80500<br>SIGN, DOUBLE FACED, STREET NAME | 2.000 | EACH | $228.54328 | $457.09 |
| 0256 | 630E81010<br>RAMP REFERENCE MARKER | 6.000 | EACH | $90.00000 | $540.00 |
| 0257 | 630E82000<br>SIGN BACKING ASSEMBLY | 1.000 | EACH | $359.06039 | $359.06 |
| 0258 | 630E84020<br>OVERHEAD SIGN SUPPORT FOUNDATION, CONCRETE MEDIAN BARRIER, T YPE TC-21.50, SINGLE SHAFT | 5.000 | EACH | $17,500.00000 | $87,500.00 |
| 0259 | 630E84020<br>OVERHEAD SIGN SUPPORT FOUNDATION, CONCRETE MEDIAN BARRIER, T YPE TC-21.50, SINGLE SHAFT<br>*630E84510 - RIGID OVERHEAD SIGN SUPPORT FOUNDATION* | 7.000 | EACH | $10,500.00000 | $73,500.00 |
| 0260 | 630E84500<br>GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | 8.000 | EACH | $1,061.37581 | $8,491.01 |
| 0261 | 630E84900<br>REMOVAL OF GROUND MOUNTED SIGN | 83.000 | EACH | $17.41671 | $1,445.59 |
| 0262 | 630E85400<br>REMOVAL OF GROUND MOUNTED MAJOR SIGN | 3.000 | EACH | $216.15931 | $648.48 |
| 0263 | 630E85401<br>REMOVAL OF GROUND MOUNTED MAJOR SIGN, AS PER PLAN | 3.000 | EACH | $500.00000 | $1,500.00 |
| 0264 | 630E86002<br>REMOVAL OF GROUND MOUNTED POST SUPPORT | 89.000 | EACH | $21.97273 | $1,955.57 |
| 0265 | 630E86102<br>REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT | 9.000 | EACH | $309.23770 | $2,783.14 |
| 0266 | 630E86310<br>REMOVAL OF STRUCTURE MOUNTED SIGN | 2.000 | EACH | $320.73962 | $641.48 |
| 0267 | 630E87400<br>REMOVAL OF OVERHEAD MOUNTED SIGN | 39.000 | EACH | $255.55228 | $9,966.54 |
| 0268 | 630E87401<br>REMOVAL OF OVERHEAD MOUNTED SIGN, AS PER PLAN | 2.000 | EACH | $750.00000 | $1,500.00 |
| 0269 | 630E87500<br>REMOVAL OF POLE MOUNTED SIGN | 4.000 | EACH | $32.88049 | $131.52 |
| 0270 | 630E89706<br>REMOVAL OF OVERHEAD SIGN SUPPORT, DUAL ARM CANTILEVER | 4.000 | EACH | $2,001.44741 | $8,005.79 |
| 0271 | 630E89802<br>REMOVAL OF OVERHEAD SIGN SUPPORT, SPAN-TRUSS TYPE | 6.000 | EACH | $2,804.39224 | $16,826.35 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | | | | Total for Group 0850: | $991,653.64 |
| | **Group 0900:** Traffic Signals | | | | |
| 0272 | 625E18200<br>BRACKET ARM, 15' | 12.000 | EACH | $1,500.00000 | $18,000.00 |
| 0273 | 625E23400<br>NO. 10 AWG POLE AND BRACKET CABLE | 300.000 | FT | $2.07472 | $622.42 |
| 0274 | 625E25505<br>CONDUIT, 3", 725.051, AS PER PLAN | 300.000 | FT | $14.00000 | $4,200.00 |
| 0275 | 630E79200<br>SIGN ATTACHMENT ASSEMBLY, MAST ARM | 10.000 | EACH | $404.71648 | $4,047.16 |
| 0276 | 630E79500<br>SIGN SUPPORT ASSEMBLY, POLE MOUNTED | 10.000 | EACH | $134.78943 | $1,347.89 |
| 0277 | 630E97800<br>SIGNING, MISC.:<br>*COC ITEM 1329 - SIGNS, FLAT SHEET, TYPE G, AS PER PLAN* | 175.000 | SF | $30.00000 | $5,250.00 |
| 0278 | 632E30200<br>MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES | 845.000 | FT | $15.00000 | $12,675.00 |
| 0279 | 632E30600<br>TETHER WIRE, WITH ACCESSORIES | 845.000 | FT | $23.48840 | $19,847.70 |
| 0280 | 632E64000<br>POLE FOUNDATION, TYPE TC-21.21 | 13.000 | EACH | $7,478.26513 | $97,217.45 |
| 0281 | 632E65200<br>LOOP DETECTOR LEAD-IN CABLE | 1,000.000 | FT | $1.95505 | $1,955.05 |
| 0282 | 632E70600<br>CONDUIT RISER, 3" DIAMETER | 1.000 | EACH | $2,000.00000 | $2,000.00 |
| 0283 | 632E72130<br>SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 | 1.000 | EACH | $17,256.84728 | $17,256.85 |
| 0284 | 632E78372<br>COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WI TH MAST ARMS TC-81.22 DESIGN 13 AND DESIGN 13 | 2.000 | EACH | $25,000.00000 | $50,000.00 |
| 0285 | 632E79130<br>COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 | 1.000 | EACH | $20,000.00000 | $20,000.00 |
| 0286 | 632E79150<br>COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 | 1.000 | EACH | $22,000.00000 | $22,000.00 |
| 0287 | 632E87120<br>COMBINATION STRAIN POLE, TYPE TC-81.11, DESIGN 8 | 4.000 | EACH | $16,000.00000 | $64,000.00 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description | | | | |
| | *Supplemental Description* | | | | |
| 0288 | 632E87130 | 4.000 | EACH | $17,000.00000 | $68,000.00 |
| | COMBINATION STRAIN POLE, TYPE TC-81.11, DESIGN 10 | | | | |
| 0289 | 632E90300 | 1.000 | LS | $2,500.00000 | $2,500.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1316 - REMOVAL OF EXISTING STREET LIGHTING EQUIPMENT, AS PER PLAN* | | | | |
| 0290 | 632E90400 | 1.000 | EACH | $3,000.00000 | $3,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1318 - PEDESTAL, 4 INCH BY 15 FEET, CITY SPECIAL* | | | | |
| 0291 | 632E90400 | 1.000 | EACH | $500.00000 | $500.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1322 - REUSE OF EXISTING PULLBOX, AS PER PLAN* | | | | |
| 0292 | 632E90400 | 1.000 | EACH | $1,500.00000 | $1,500.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1327 - VEHICULAR SIGNAL HEAD ASSEMBLY, 5 SECTION, 12 INCH LENS, 1-WAY,* | | | | |
| 0293 | 632E90400 | 2.000 | EACH | $5,000.00000 | $10,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1314 - MAINTENANCE OF EXISTING STREET LIGHTING CIRCUIT, AS PER PLAN* | | | | |
| 0294 | 632E90400 | 2.000 | EACH | $2,000.00000 | $4,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1322 - PULLBOX, CONCRETE, 36 INCH X 36 INCH, TYPE 725.08, AS PER PLAN* | | | | |
| 0295 | 632E90400 | 2.000 | EACH | $800.00000 | $1,600.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1327 - VEHICULAR SIGNAL HEAD ASSEMBLY, 1 SECTION, 12 INCH LENS, 1-WAY,* | | | | |
| 0296 | 632E90400 | 3.000 | EACH | $20,000.00000 | $60,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1316 - REMOVAL OF EXISTING TRAFFIC SIGNAL BY LOCATION, AS PER PLAN* | | | | |
| 0297 | 632E90400 | 4.000 | EACH | $1,000.00000 | $4,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1322 - PULLBOX, CONCRETE, 12 INCH X 24 INCH, TYPE 725.08, AS PER PLAN* | | | | |
| 0298 | 632E90400 | 4.000 | EACH | $15,000.00000 | $60,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1324 - TRAFFIC SIGNAL CONTROLLER, FURNISH AND INSTALLATION, AS PER PLA* | | | | |
| 0299 | 632E90400 | 5.000 | EACH | $5,000.00000 | $25,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1319 - ELECTRIC POWER SERVICE* | | | | |
| 0300 | 632E90400 | 8.000 | EACH | $2,000.00000 | $16,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1318 - PEDESTAL, 4 INCH BY 10 FEET, CITY #1045* | | | | |
| 0301 | 632E90400 | 8.000 | EACH | $2,000.00000 | $16,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1319 - PEDESTAL FOUNDATION, AS PER PLAN* | | | | |
| 0302 | 632E90400 | 8.000 | EACH | $700.00000 | $5,600.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1328 - PEDESTRAIN PUSHBUTTON WITH ASSOCIATED SIGNS, AS PER PLAN* | | | | |
| 0303 | 632E90400 | 9.000 | EACH | $1,500.00000 | $13,500.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1322 - PULLBOX, CONCRETE, 24 INCH X 24 INCH, TYPE 725.08, AS PER PLAN* | | | | |
| 0304 | 632E90400 | 10.000 | EACH | $1,300.00000 | $13,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1327 - VEHICULAR SIGNAL HEAD ASSEMBLY, 3 SECTION, 12 INCH LENS, 1-WAY,* | | | | |
| 0305 | 632E90400 | 12.000 | EACH | $800.00000 | $9,600.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1325 - LUMINAIRE, 101 WATT, 240 VOLT, LED, AS PER PLAN* | | | | |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | **Description** | | | | |
| | ***Supplemental Description*** | | | | |
| 0306 | 632E90400 | 16.000 | EACH | $1,000.00000 | $16,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1327 - PEDESTRIAN SIGNAL HEAD ASSEMBLY, TYPE D2, AS PER PLAN* | | | | |
| 0307 | 632E90400 | 16.000 | EACH | $1,000.00000 | $16,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1327 - VEHICULAR SIGNAL HEAD ASSEMBLY, 3 SECTION, 12 INCH LENS, 1-WAY,* | | | | |
| 0308 | 632E90400 | 22.000 | EACH | $250.00000 | $5,500.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1329 - SPAN MOUNTED SIGN ATTACHMENT (HANGER) ASSEMBLY, AS PER PLAN* | | | | |
| 0309 | 632E90400 | 23.000 | EACH | $375.00000 | $8,625.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1320 - GROUND RODS, AS PER PLAN* | | | | |
| 0310 | 632E90500 | 200.000 | FT | $5.00000 | $1,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1323 - POWER CABLE, 2 CONDUCTOR, NO. 6 AWG, AS PER PLAN* | | | | |
| 0311 | 632E90500 | 600.000 | FT | $25.00000 | $15,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1321- CONDUIT, 2 INCHES, 725.05, CDF ENCASEMENT, AS PER PLAN* | | | | |
| 0312 | 632E90500 | 600.000 | FT | $30.00000 | $18,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1321- CONDUIT, 3 INCHES, 725.05, CDF ENCASEMENT, AS PER PLAN* | | | | |
| 0313 | 632E90500 | 600.000 | FT | $25.00000 | $15,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1321 - TRENCH, IN SIDEWALK, AS PER PLAN* | | | | |
| 0314 | 632E90500 | 1,300.000 | FT | $10.00000 | $13,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1323 - POWER CABLE, 3 CONDUCTOR, NO. 1/0, AS PER PLAN* | | | | |
| 0315 | 632E90500 | 1,350.000 | FT | $6.00000 | $8,100.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1323 - SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG, AS PER PLAN* | | | | |
| 0316 | 632E90500 | 3,200.000 | FT | $7.00000 | $22,400.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *COC ITEM 1323 - SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG, AS PER PLAN* | | | | |
| 0317 | 633E67100 | 1.000 | EACH | $1,921.69787 | $1,921.70 |
| | CABINET FOUNDATION | | | | |
| 0318 | 633E67200 | 4.000 | EACH | $1,189.01904 | $4,756.08 |
| | CONTROLLER WORK PAD | | | | |
| 0319 | 809E69101 | 8.000 | EACH | $8,000.00000 | $64,000.00 |
| | STOP LINE RADAR DETECTION, AS PER PLAN | | | | |

Total for Group 0900:$863,522.30

## Group 0950: Temporary Signals

| | | | | | |
|---|---|---|---|---|---|
| 0320 | 614E11300 | 2.000 | EACH | $45,000.00000 | $90,000.00 |
| | SPECIAL - WORK ZONE TRAFFIC SIGNAL | | | | |
| 0321 | 614E11300 | 4.000 | EACH | $5,000.00000 | $20,000.00 |
| | SPECIAL - WORK ZONE TRAFFIC SIGNAL | | | | |

Total for Group 0950:$110,000.00

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| **Group 1000:** ITS | | | | | | |
| 0322 | 625E22900 | NO. 1/0 AWG 2400 VOLT DISTRIBUTION CABLE | 108.000 | FT | $11.00000 | $1,188.00 |
| 0323 | 625E23300 | NO. 2 AWG 2400 VOLT DISTRIBUTION CABLE | 1,067.000 | FT | $5.61445 | $5,990.62 |
| 0324 | 625E25802 | CONDUIT, CONCRETE ENCASED<br>*, 2", 725.051* | 1,045.000 | FT | $30.00000 | $31,350.00 |
| 0325 | 625E25802 | CONDUIT, CONCRETE ENCASED<br>*, 3", 725.051* | 5,936.000 | FT | $35.00000 | $207,760.00 |
| 0326 | 625E29000 | TRENCH | 3,807.000 | FT | $10.96526 | $41,744.74 |
| 0327 | 625E30700 | PULL BOX, 725.08, 18" | 4.000 | EACH | $1,347.61534 | $5,390.46 |
| 0328 | 625E31510 | PULL BOX REMOVED | 13.000 | EACH | $315.53791 | $4,101.99 |
| 0329 | 625E32000 | GROUND ROD | 2.000 | EACH | $374.36493 | $748.73 |
| 0330 | 625E34000 | POWER SERVICE | 2.000 | EACH | $8,650.26822 | $17,300.54 |
| 0331 | 625E75510 | POWER SERVICE REMOVED | 2.000 | EACH | $1,159.05624 | $2,318.11 |
| 0332 | 625E76000 | ARC FLASH CALCULATIONS AND LABEL | 2.000 | EACH | $1,682.67842 | $3,365.36 |
| 0333 | 632E70400 | CONDUIT RISER, 2" DIAMETER | 2.000 | EACH | $945.52258 | $1,891.05 |
| 0334 | 804E15010 | FIBER OPTIC CABLE, 24 FIBER | 2,030.000 | FT | $2.50000 | $5,075.00 |
| 0335 | 804E15050 | FIBER OPTIC CABLE, 288 FIBER | 6,213.000 | FT | $16.00000 | $99,408.00 |
| 0336 | 804E34022 | FIBER TERMINATION PANEL, 24 FIBER | 2.000 | EACH | $2,000.00000 | $4,000.00 |
| 0337 | 804E35000 | FUSION SPLICE | 648.000 | EACH | $50.00000 | $32,400.00 |
| 0338 | 804E37000 | SPLICE ENCLOSURE, BUTT STYLE | 3.000 | EACH | $1,500.00000 | $4,500.00 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description | | | | |
| | *Supplemental Description* | | | | |
| 0339 | 809E00500 | 12.000 | EACH | $2,000.00000 | $24,000.00 |
| | ITS JUNCTION BOX, 17x30x12 INCHES | | | | |
| 0340 | 809E01900 | 7.000 | EACH | $3,000.00000 | $21,000.00 |
| | ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, 32" WIDE, T YPE 1 | | | | |
| 0341 | 809E10000 | 3,834.000 | FT | $1.50000 | $5,751.00 |
| | TRACER WIRE | | | | |
| 0342 | 809E11000 | 7.000 | EACH | $250.00000 | $1,750.00 |
| | COMMUNICATION CABLE MARKER | | | | |
| 0343 | 809E20000 | 3,131.000 | FT | $4.75000 | $14,872.25 |
| | MICRO-DUCT PATHWAY, 1 CELL 14/10 | | | | |
| 0344 | 809E60050 | 3.000 | EACH | $7,100.00000 | $21,300.00 |
| | CCTV IP-CAMERA SYSTEM, MULTI-VIEW | | | | |
| 0345 | 809E60060 | 4.000 | EACH | $5,400.00000 | $21,600.00 |
| | CCTV IP-CAMERA SYSTEM, FIXED-VIEW | | | | |
| 0346 | 809E61040 | 2.000 | EACH | $37,000.00000 | $74,000.00 |
| | CCTV POLE, 70' TALL | | | | |
| 0347 | 809E61090 | 2.000 | EACH | $14,000.00000 | $28,000.00 |
| | CCTV LOWERING UNIT | | | | |
| 0348 | 809E64550 | 390.000 | FT | $2.63918 | $1,029.28 |
| | ETHERNET CABLE, OUTDOOR-RATED | | | | |
| 0349 | 809E65010 | 2.000 | EACH | $8,000.00000 | $16,000.00 |
| | ITS CABINET - POLE MOUNTED | | | | |
| 0350 | 809E65990 | 1.000 | EACH | $500.00000 | $500.00 |
| | ITS DEVICE, MISC.: | | | | |
| | *REMOVAL AND DELIVERY OF CCTV UNIT* | | | | |
| 0351 | 809E65990 | 2.000 | EACH | $2,500.00000 | $5,000.00 |
| | ITS DEVICE, MISC.: | | | | |
| | *LAYER 3 ETHERNET SWITCH* | | | | |
| 0352 | 809E65990 | 2.000 | EACH | $500.00000 | $1,000.00 |
| | ITS DEVICE, MISC.: | | | | |
| | *REMOVAL AND DELIVERY OF ITS CONTROLLER* | | | | |
| 0353 | 809E65990 | 2.000 | EACH | $1,000.00000 | $2,000.00 |
| | ITS DEVICE, MISC.: | | | | |
| | *REMOVAL AND DELIVERY OF CCTV POLE* | | | | |
| 0354 | 809E69122 | 2.000 | EACH | $7,400.00000 | $14,800.00 |
| | ATC CONTROLLER | | | | |
| 0355 | 809E70000 | 1.000 | LS | $50,000.00000 | $50,000.00 |
| | MAINTAINING ITS DURING CONSTRUCTION | | | | |
| 0356 | 809E70050 | 1.000 | LS | $8,000.00000 | $8,000.00 |
| | AS-BUILT CONSTRUCTION PLANS | | | | |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description | | | | |
| | *Supplemental Description* | | | | |
| | | | | Total for Group 1000: | $779,135.13 |

## Group 1050: City Interconnect

| | | | | | |
|---|---|---|---|---|---|
| 0357 | 625E25504 | 400.000 | FT | $13.92614 | $5,570.46 |
| | CONDUIT, 3", 725.051 | | | | |
| 0358 | 625E25802 | 1,226.000 | FT | $25.00000 | $30,650.00 |
| | CONDUIT, CONCRETE ENCASED | | | | |
| | *, 2"* | | | | |
| 0359 | 625E25802 | 4,010.000 | FT | $30.00000 | $120,300.00 |
| | CONDUIT, CONCRETE ENCASED | | | | |
| | *, 3"* | | | | |
| 0360 | 625E25920 | 546.000 | FT | $40.00000 | $21,840.00 |
| | CONDUIT, MISC.: | | | | |
| | *4", 725.052, EPEC-80-HDPE, JACKED AND DRILLED* | | | | |
| 0361 | 625E29000 | 4,010.000 | FT | $10.00000 | $40,100.00 |
| | TRENCH | | | | |
| 0362 | 625E31600 | 10.000 | EACH | $2,000.00000 | $20,000.00 |
| | PULL BOX, MISC.: | | | | |
| | *COC PULL BOX, 725.08, 36" (ES-2-1)* | | | | |
| 0363 | 632E30300 | 100.000 | FT | $20.00000 | $2,000.00 |
| | MESSENGER WIRE, 7 STRAND, 7/16" DIAMETER WITH ACCESSORIES | | | | |
| 0364 | 632E62810 | 250.000 | FT | $10.00000 | $2,500.00 |
| | INTERCONNECT CABLE, MISC.: | | | | |
| | *CAT 53 CABLE, OUTDOOR RATED* | | | | |
| 0365 | 632E62820 | 2.000 | EACH | $500.00000 | $1,000.00 |
| | INTERCONNECT, MISC.: | | | | |
| | *SPLICE ENCLOSURE REMOVED* | | | | |
| 0366 | 632E62820 | 3.000 | EACH | $2,000.00000 | $6,000.00 |
| | INTERCONNECT, MISC.: | | | | |
| | *CABLE STORAGE RACKS* | | | | |
| 0367 | 632E70400 | 3.000 | EACH | $819.63815 | $2,458.91 |
| | CONDUIT RISER, 2" DIAMETER | | | | |
| 0368 | 632E89300 | 1.000 | EACH | $2,914.66862 | $2,914.67 |
| | WOOD POLE | | | | |
| 0369 | 632E90500 | 400.000 | FT | $10.00000 | $4,000.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *DELASHING AND RELASHING OF CABLE* | | | | |
| 0370 | 632E90500 | 1,226.000 | FT | $5.00000 | $6,130.00 |
| | SIGNALIZATION, MISC.: | | | | |
| | *REMOVE EXISTING ITS CONDUIT* | | | | |
| 0371 | 633E99000 | 2.000 | EACH | $3,600.00000 | $7,200.00 |
| | CONTROLLER ITEM, MISC.: | | | | |
| | *LAYER 2 ETHERNET SWITCH* | | | | |
| 0372 | 633E99000 | 4.000 | EACH | $1,600.00000 | $6,400.00 |
| | CONTROLLER ITEM, MISC.: | | | | |
| | *FIBER OPTIC ETHERNET TRANSCEIVER* | | | | |
| 0373 | 804E15040 | 5,000.000 | FT | $5.00000 | $25,000.00 |

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| | | FIBER OPTIC CABLE, 144 FIBER | | | | |
| 0374 | 804E34012 | FIBER TERMINATION PANEL, 12 FIBER | 2.000 | EACH | $5,000.00000 | $10,000.00 |
| 0375 | 804E35000 | FUSION SPLICE | 44.000 | EACH | $75.00000 | $3,300.00 |
| 0376 | 804E98000 | FIBER OPTIC CABLE, MISC.:<br>*COC ITEM 804 - FIBER OPTIC DROP CABLE, ARMORED, 12 STRAND, AS PER PLAN* | 1,000.000 | FT | $4.00000 | $4,000.00 |
| 0377 | 804E98100 | FIBER OPTIC CABLE, MISC.:<br>*COC ITEM 804 - FIBER OPTIC SPLICE ENCLOSURE, DOME, 800 SPLICE, AS PER PLAN* | 3.000 | EACH | $2,500.00000 | $7,500.00 |
| 0378 | 804E98200 | FIBER OPTIC CABLE, MISC.:<br>*FIBER OPTIC CABLE RELOCATED* | 1.000 | LS | $5,000.00000 | $5,000.00 |
| 0379 | 804E98200 | FIBER OPTIC CABLE, MISC.:<br>*REMOVAL OF FIBER OPTIC CABLE* | 1.000 | LS | $5,000.00000 | $5,000.00 |
| 0380 | 809E10000 | TRACER WIRE | 200.000 | FT | $5.00000 | $1,000.00 |
| 0381 | 809E65990 | ITS DEVICE, MISC.:<br>*ITS POLE MOUNTED CABINET* | 2.000 | EACH | $5,000.00000 | $10,000.00 |
| 0382 | 809E65990 | ITS DEVICE, MISC.:<br>*CCTV CAMERA REMOVED AND RELOCATED* | 3.000 | EACH | $2,000.00000 | $6,000.00 |
| 0383 | 809E70000 | MAINTAINING ITS DURING CONSTRUCTION | 1.000 | LS | $100,000.00000 | $100,000.00 |
| 0384 | 809E70050 | AS-BUILT CONSTRUCTION PLANS | 1.000 | LS | $10,000.00000 | $10,000.00 |

Total for Group 1050:$465,864.04

## Group 1200: Maintenance of Traffic

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| 0385 | 614E11110 | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE | 1,000.000 | HOUR | $97.89406 | $97,894.06 |
| 0386 | 614E11630 | INCREASED BARRIER DELINEATION | 1,950.000 | FT | $2.83148 | $5,521.39 |
| 0387 | 614E12380 | WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTION AL) | 10.000 | EACH | $2,531.64003 | $25,316.40 |
| 0388 | 614E12384 | WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONA L) | 10.000 | EACH | $2,398.77232 | $23,987.72 |
| 0389 | 614E12420 | DETOUR SIGNING | 1.000 | LS | $150,000.00000 | $150,000.00 |
| 0390 | 614E12484 | WORK ZONE INCREASED PENALTIES SIGN | 10.000 | EACH | $247.69343 | $2,476.93 |

| Line # | Item Number | Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|---|
| 0391 | 614E12500 | REPLACEMENT SIGN | 15.000 | EACH | $155.77155 | $2,336.57 |
| 0392 | 614E12600 | REPLACEMENT DRUM | 150.000 | EACH | $62.90111 | $9,435.17 |
| 0393 | 614E12801 | WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN | 2,400.000 | EACH | $24.00000 | $57,600.00 |
| 0394 | 614E13310 | BARRIER REFLECTOR, TYPE 1 , ONE-WAY | 155.000 | EACH | $12.13985 | $1,881.68 |
| 0395 | 614E13310 | BARRIER REFLECTOR, TYPE 1 , BI-DIRECTIONAL | 275.000 | EACH | $12.13985 | $3,338.46 |
| 0396 | 614E13312 | BARRIER REFLECTOR, TYPE 2 , BI-DIRECTIONAL | 10.000 | EACH | $14.24257 | $142.43 |
| 0397 | 614E13350 | OBJECT MARKER, ONE WAY | 440.000 | EACH | $20.09866 | $8,843.41 |
| 0398 | 614E18601 | PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN | 28.000 | SNMT | $950.00000 | $26,600.00 |
| 0399 | 614E20056 | WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT | 9.900 | MILE | $1,378.95632 | $13,651.67 |
| 0400 | 614E20100 | WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT | 0.200 | MILE | $700.00000 | $140.00 |
| 0401 | 614E20560 | WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT | 7.500 | MILE | $542.58918 | $4,069.42 |
| 0402 | 614E21100 | WORK ZONE CENTER LINE, CLASS I, 642 PAINT | 0.430 | MILE | $2,321.40190 | $998.20 |
| 0403 | 614E22056 | WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT | 12.840 | MILE | $2,703.58714 | $34,714.06 |
| 0404 | 614E22100 | WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT | 0.800 | MILE | $1,132.95474 | $906.36 |
| 0405 | 614E22360 | WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT | 8.600 | MILE | $893.82579 | $7,686.90 |
| 0406 | 614E23110 | WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT | 30,070.000 | FT | $1.91523 | $57,590.97 |
| 0407 | 614E23200 | WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT | 3,300.000 | FT | $0.62015 | $2,046.50 |
| 0408 | 614E23690 | WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT | 9,040.000 | FT | $0.80121 | $7,242.94 |
| 0409 | 614E24102 | WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT | 6,620.000 | FT | $0.98270 | $6,505.47 |
| 0410 | 614E24200 | WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT | 805.000 | FT | $0.99555 | $801.42 |
| 0411 | 614E24612 | WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT | 4,740.000 | FT | $0.66745 | $3,163.71 |
| 0412 | 614E25200 | WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT | 580.000 | FT | $2.37200 | $1,375.76 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description<br>*Supplemental Description* | | | | |
| 0413 | 614E26200<br>WORK ZONE STOP LINE, CLASS I, 642 PAINT | 500.000 | FT | $4.09380 | $2,046.90 |
| 0414 | 614E27050<br>WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT | 1,240.000 | FT | $1.97343 | $2,447.05 |
| 0415 | 614E28200<br>WORK ZONE GORE MARKING, CLASS II, 642 PAINT | 90.000 | FT | $3.40000 | $306.00 |
| 0416 | 614E30000<br>WORK ZONE ARROW, CLASS I | 52.000 | EACH | $42.97298 | $2,234.59 |
| 0417 | 616E10000<br>WATER | 1,230.000 | MGAL | $66.51158 | $81,809.24 |
| 0418 | 622E41100<br>PORTABLE BARRIER, UNANCHORED | 20,620.000 | FT | $18.05813 | $372,358.64 |
| 0419 | 622E41110<br>PORTABLE BARRIER, ANCHORED | 330.000 | FT | $43.36556 | $14,310.63 |
| 0420 | 808E18700<br>DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY | 51.000 | SNMT | $842.03469 | $42,943.77 |

Total for Group 1200:$1,074,724.42

## Group 1300: MSE WALL 001

| | | | | | |
|---|---|---|---|---|---|
| 0421 | 203E35111<br>GRANULAR MATERIAL, TYPE B, AS PER PLAN | 504.000 | CY | $140.00000 | $70,560.00 |
| 0422 | 509E10000<br>EPOXY COATED STEEL REINFORCEMENT | 88,430.000 | LB | $2.50000 | $221,075.00 |
| 0423 | 511E53012<br>CLASS QC2 CONCRETE, MISC.:<br>*MOMENT SLAB AND BARRIER* | 562.000 | CY | $1,200.00000 | $674,400.00 |
| 0424 | 530E50030<br>SPECIAL - RETAINING WALL<br>*15% INCIDENTAL AND ADDITIONAL DESIGN CONTINGENCY* | 1.000 | LS | $725,000.00000 | $725,000.00 |
| 0425 | 840E20000<br>MECHANICALLY STABILIZED EARTH WALL | 22,381.000 | SF | $70.00000 | $1,566,670.00 |
| 0426 | 840E21000<br>WALL EXCAVATION | 4,913.000 | CY | $51.00000 | $250,563.00 |
| 0427 | 840E22000<br>FOUNDATION PREPARATION | 2,268.000 | SY | $58.00000 | $131,544.00 |
| 0428 | 840E23000<br>SELECT GRANULAR BACKFILL | 13,459.000 | CY | $105.00000 | $1,413,195.00 |
| 0429 | 840E26000<br>CONCRETE COPING | 1,114.000 | FT | $0.00000 | $0.00 |
| 0430 | 867E00100<br>TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL | 1.000 | LS | $64,000.00000 | $64,000.00 |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | | | | Total for Group 1300: | $5,117,007.00 |
| **Group 1350:** Retaining Walls (Additional Walls) | | | | | |
| 0431 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 002 (MSE & CIP)* | 1.000 | LS | $2,404,216.00000 | $2,404,216.00 |
| 0432 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 003 (MSE & CIP)* | 1.000 | LS | $2,136,000.00000 | $2,136,000.00 |
| 0433 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 004 (MSE)* | 1.000 | LS | $11,940,000.00000 | $11,940,000.00 |
| 0434 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 005 (MSE & CIP)* | 1.000 | LS | $6,300,000.00000 | $6,300,000.00 |
| 0435 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 006 (MSE & CIP)* | 1.000 | LS | $1,436,000.00000 | $1,436,000.00 |
| 0436 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 007 (MSE)* | 1.000 | LS | $2,520,000.00000 | $2,520,000.00 |
| 0437 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 008 (MSE & CIP)* | 1.000 | LS | $5,906,000.00000 | $5,906,000.00 |
| 0438 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 009 (MSE & CIP)* | 1.000 | LS | $6,550,000.00000 | $6,550,000.00 |
| 0439 | 530E50030<br>SPECIAL - RETAINING WALL<br>*WALL 011 (SPL)* | 1.000 | LS | $4,669,500.00000 | $4,669,500.00 |
| | | | | Total for Group 1350: | $43,861,716.00 |
| **Group 1500:** Structures Over 20 Foot Span (HAM-00075-02.172) | | | | | |
| 0440 | 505E11100<br>PILE DRIVING EQUIPMENT MOBILIZATION | 1.000 | LS | $50,000.00000 | $50,000.00 |
| 0441 | 507E00601<br>14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN, AS PER PLAN | 1,820.000 | FT | $50.00000 | $91,000.00 |
| 0442 | 507E00650<br>14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED | 1,930.000 | FT | $75.00000 | $144,750.00 |
| 0443 | 507E92200<br>PREBORED HOLES | 220.000 | FT | $50.00000 | $11,000.00 |
| 0444 | 507E93300<br>STEEL POINTS OR SHOES | 22.000 | EACH | $197.28038 | $4,340.17 |
| 0445 | 509E10000<br>EPOXY COATED STEEL REINFORCEMENT | 63,635.000 | LB | $2.25000 | $143,178.75 |
| 0446 | 509E30020<br>NO. 4 DEFORMED GFRP REINFORCEMENT | 7,939.000 | FT | $1.44904 | $11,503.93 |
| 0447 | 509E40000 | 200.000 | LB | $2.42296 | $484.59 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | **Description** | | | | |
| | ***Supplemental Description*** | | | | |
| | CONCRETE REINFORCEMENT, MISC.: | | | | |
| | *ADDITIONAL EPOXY COATED REINFORCING FOR ABUTMENT FOOTINGS* | | | | |
| 0448 | 511E33501 | 2.000 | EACH | $5,800.00000 | $11,600.00 |
| | SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN | | | | |
| 0449 | 511E46513 | 64.000 | CY | $700.00000 | $44,800.00 |
| | CLASS QC1 CONCRETE WITH QC/QA, FOOTING, AS PER PLAN | | | | |
| 0450 | 511E53014 | 27.000 | CY | $2,000.00000 | $54,000.00 |
| | CLASS QC3 CONCRETE, MISC.: | | | | |
| | *ABUTMENT NOT INCLUDING FOOTING WITH QA/QC* | | | | |
| 0451 | 511E53014 | 53.000 | CY | $2,500.00000 | $132,500.00 |
| | CLASS QC3 CONCRETE, MISC.: | | | | |
| | *BRIDGE DECK (PARAPET), WITH QC/QA* | | | | |
| 0452 | 511E53014 | 65.000 | CY | $2,000.00000 | $130,000.00 |
| | CLASS QC3 CONCRETE, MISC.: | | | | |
| | *BRIDGE DECK, WITH QC/QA* | | | | |
| 0453 | 512E10100 | 730.000 | SY | $25.78537 | $18,823.32 |
| | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) | | | | |
| 0454 | 512E33000 | 40.000 | SY | $41.34382 | $1,653.75 |
| | TYPE 2 WATERPROOFING | | | | |
| 0455 | 515E15100 | 4.000 | EACH | $70,000.00000 | $280,000.00 |
| | DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LE VEL 3, TYPE WF54-49 | | | | |
| | *(LENGTH = 110'-8")* | | | | |
| 0456 | 515E20000 | 9.000 | EACH | $3,217.90773 | $28,961.17 |
| | INTERMEDIATE DIAPHRAGMS | | | | |
| 0457 | 516E10010 | 65.000 | FT | $71.96510 | $4,677.73 |
| | ARMORLESS PREFORMED JOINT SEAL | | | | |
| 0458 | 516E13600 | 25.000 | SF | $11.33775 | $283.44 |
| | 1" PREFORMED EXPANSION JOINT FILLER | | | | |
| 0459 | 516E13900 | 145.000 | SF | $16.92742 | $2,454.48 |
| | 2" PREFORMED EXPANSION JOINT FILLER | | | | |
| 0460 | 516E14020 | 80.000 | FT | $46.90427 | $3,752.34 |
| | SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL | | | | |
| 0461 | 516E44101 | 8.000 | EACH | $4,158.10333 | $33,264.83 |
| | ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE, AS PER PLAN | | | | |
| | *(18"x14"x 2" ELASTOMERIC PAD WITH 19"x15"x 1 1/2" LOAD PLATE)* | | | | |
| 0462 | 518E21200 | 40.000 | CY | $139.03565 | $5,561.43 |
| | POROUS BACKFILL WITH GEOTEXTILE FABRIC | | | | |
| 0463 | 518E40000 | 80.000 | FT | $14.58615 | $1,166.89 |
| | 6" PERFORATED CORRUGATED PLASTIC PIPE | | | | |
| 0464 | 523E20000 | 2.000 | EACH | $4,322.37153 | $8,644.74 |
| | DYNAMIC LOAD TESTING | | | | |
| 0465 | 523E20500 | 1.000 | EACH | $5,000.00000 | $5,000.00 |
| | RESTRIKE | | | | |
| 0466 | 526E30011 | 223.000 | SY | $600.00000 | $133,800.00 |
| | REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PE R PLAN | | | | |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description | | | | |
| | *Supplemental Description* | | | | |
| 0467 | 526E90030 | 69.000 | FT | $299.63376 | $20,674.73 |
| | TYPE C INSTALLATION | | | | |
| 0468 | 530E14000 | 1.000 | LS | $15,000.00000 | $15,000.00 |
| | SPECIAL - STRUCTURAL SURVEY AND MONITORING OF VIBRATION | | | | |

Total for Group 1500:$1,392,876.29

## Group 1501: Structures Over 20 Foot Span (HAM-00075-02.179)

| | | | | | |
|---|---|---|---|---|---|
| 0469 | 505E11100 | 1.000 | LS | $50,000.00000 | $50,000.00 |
| | PILE DRIVING EQUIPMENT MOBILIZATION | | | | |
| 0470 | 507E00600 | 1,650.000 | FT | $50.00000 | $82,500.00 |
| | 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN | | | | |
| 0471 | 507E00650 | 1,750.000 | FT | $75.00000 | $131,250.00 |
| | 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED | | | | |
| 0472 | 507E92200 | 185.000 | FT | $50.00000 | $9,250.00 |
| | PREBORED HOLES | | | | |
| 0473 | 507E93300 | 20.000 | EACH | $197.28038 | $3,945.61 |
| | STEEL POINTS OR SHOES | | | | |
| 0474 | 509E10000 | 52,018.000 | LB | $2.25000 | $117,040.50 |
| | EPOXY COATED STEEL REINFORCEMENT | | | | |
| 0475 | 509E30040 | 5,607.000 | FT | $2.99758 | $16,807.43 |
| | NO. 6 DEFORMED GFRP REINFORCEMENT | | | | |
| 0476 | 511E33501 | 2.000 | EACH | $5,800.00000 | $11,600.00 |
| | SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN | | | | |
| 0477 | 511E34462 | 34.000 | CY | $2,500.00000 | $85,000.00 |
| | CLASS QC SCC CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET) | | | | |
| 0478 | 511E46512 | 56.000 | CY | $700.00000 | $39,200.00 |
| | CLASS QC1 CONCRETE WITH QC/QA, FOOTING | | | | |
| 0479 | 511E53014 | 28.000 | CY | $2,500.00000 | $70,000.00 |
| | CLASS QC3 CONCRETE, MISC.: | | | | |
| | *BRIDGE DECK (PARAPET), WITH QC/QA* | | | | |
| 0480 | 511E53014 | 45.000 | CY | $2,000.00000 | $90,000.00 |
| | CLASS QC3 CONCRETE, MISC.: | | | | |
| | *ABUTMENT NOT INCLUDING FOOTING WITH QA/QC* | | | | |
| 0481 | 511E53014 | 171.000 | CY | $2,000.00000 | $342,000.00 |
| | CLASS QC3 CONCRETE, MISC.: | | | | |
| | *BRIDGE DECK, WITH QC/QA* | | | | |
| 0482 | 512E10100 | 701.000 | SY | $25.78537 | $18,075.54 |
| | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) | | | | |
| 0483 | 515E15100 | 4.000 | EACH | $70,000.00000 | $280,000.00 |
| | DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LE VEL 3, TYPE WF54-49 | | | | |
| | *(LENGTH = 110'-8")* | | | | |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description<br>*Supplemental Description* | | | | |
| 0484 | 515E20000 | 9.000 | EACH | $3,217.90773 | $28,961.17 |
| | INTERMEDIATE DIAPHRAGMS | | | | |
| 0485 | 516E10010 | 60.000 | FT | $71.96510 | $4,317.91 |
| | ARMORLESS PREFORMED JOINT SEAL | | | | |
| 0486 | 516E13600 | 30.000 | SF | $11.33775 | $340.13 |
| | 1" PREFORMED EXPANSION JOINT FILLER | | | | |
| 0487 | 516E14020 | 75.000 | FT | $46.90427 | $3,517.82 |
| | SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL | | | | |
| 0488 | 516E44100 | 8.000 | EACH | $4,158.10333 | $33,264.83 |
| | ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE<br>*(LENGTH = 110'-8")* | | | | |
| 0489 | 518E21200 | 45.000 | CY | $139.03565 | $6,256.60 |
| | POROUS BACKFILL WITH GEOTEXTILE FABRIC | | | | |
| 0490 | 518E40000 | 65.000 | FT | $14.58615 | $948.10 |
| | 6" PERFORATED CORRUGATED PLASTIC PIPE | | | | |
| 0491 | 523E20000 | 2.000 | EACH | $4,322.37153 | $8,644.74 |
| | DYNAMIC LOAD TESTING | | | | |
| 0492 | 523E20500 | 1.000 | EACH | $5,000.00000 | $5,000.00 |
| | RESTRIKE | | | | |
| 0493 | 526E30011 | 196.000 | SY | $600.00000 | $117,600.00 |
| | REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PE R PLAN | | | | |
| 0494 | 526E90030 | 61.000 | FT | $299.63376 | $18,277.66 |
| | TYPE C INSTALLATION | | | | |
| 0495 | 530E14000 | 1.000 | LS | $15,000.00000 | $15,000.00 |
| | SPECIAL - STRUCTURAL SURVEY AND MONITORING OF VIBRATION | | | | |

Total for Group 1501:$1,588,798.04

## Group 1502: Structures Over 20 Foot Span (HAM-00075-02.390)

| | | | | | |
|---|---|---|---|---|---|
| 0496 | 505E11100 | 1.000 | LS | $100,000.00000 | $100,000.00 |
| | PILE DRIVING EQUIPMENT MOBILIZATION | | | | |
| 0497 | 507E00600 | 6,020.000 | FT | $50.00000 | $301,000.00 |
| | 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN | | | | |
| 0498 | 507E00650 | 6,480.000 | FT | $76.00000 | $492,480.00 |
| | 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED | | | | |
| 0499 | 509E10000 | 266,603.000 | LB | $2.30000 | $613,186.90 |
| | EPOXY COATED STEEL REINFORCEMENT | | | | |
| 0500 | 511E34463 | 184.000 | CY | $2,500.00000 | $460,000.00 |

| Line # | Item Number | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| | Description<br>*Supplemental Description* | | | | |
| | CLASS QC SCC CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN | | | | |
| 0501 | 511E41012 | 149.000 | CY | $2,000.00000 | $298,000.00 |
| | CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS | | | | |
| 0502 | 511E46512 | 216.000 | CY | $800.00000 | $172,800.00 |
| | CLASS QC1 CONCRETE WITH QC/QA, FOOTING | | | | |
| 0503 | 511E53014 | 99.000 | CY | $2,100.00000 | $207,900.00 |
| | CLASS QC3 CONCRETE, MISC.:<br>*ABUTMENT NOT INCLUDING FOOTING* | | | | |
| 0504 | 511E53014 | 500.000 | CY | $2,000.00000 | $1,000,000.00 |
| | CLASS QC3 CONCRETE, MISC.:<br>*BRIDGE DECK, WITH QC/QA* | | | | |
| 0505 | 513E10300 | 501,909.000 | LB | $4.25000 | $2,133,113.25 |
| | STRUCTURAL STEEL MEMBERS, LEVEL 5 | | | | |
| 0506 | 514E00060 | 25,686.000 | SF | $5.17235 | $132,856.98 |
| | FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT | | | | |
| 0507 | 514E00066 | 25,686.000 | SF | $3.53568 | $90,817.48 |
| | FIELD PAINTING STRUCTURAL STEEL, FINISH COAT | | | | |
| 0508 | 516E11211 | 55.000 | FT | $1,500.00000 | $82,500.00 |
| | STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN | | | | |
| 0509 | 516E44201 | 15.000 | EACH | $4,500.00000 | $67,500.00 |
| | ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE, AS PER PLAN | | | | |
| 0510 | 526E30011 | 97.000 | SY | $600.00000 | $58,200.00 |
| | REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PE R PLAN | | | | |
| 0511 | 526E90030 | 29.000 | FT | $500.00000 | $14,500.00 |
| | TYPE C INSTALLATION | | | | |
| 0512 | 530E00200 | 1.000 | LS | $1,700,000.00000 | $1,700,000.00 |
| | SPECIAL - STRUCTURES<br>*25% INCIDENTAL AND ADDITIONAL DESIGN CONTINGENCY* | | | | |

Total for Group 1502:$7,924,854.61

## Group 1550: Structures Over 20 Foot Span (Additional Bridges)

| | | | | | |
|---|---|---|---|---|---|
| 0513 | 530E00200 | 1.000 | LS | $3,200,000.00000 | $3,200,000.00 |
| | *HAM-00075-02.190* | | | | |
| 0514 | 530E00200 | 1.000 | LS | $3,550,000.00000 | $3,550,000.00 |
| | SPECIAL - STRUCTURES<br>*HAM-00075-02.238L & HAM-00075-02.400R* | | | | |
| 0515 | 530E00200 | 1.000 | LS | $3,700,000.00000 | $3,700,000.00 |
| | SPECIAL - STRUCTURES<br>*HAM-00075-02.381* | | | | |
| 0516 | 530E00200 | 1.000 | LS | $1,700,000.00000 | $1,700,000.00 |
| | SPECIAL - STRUCTURES<br>*HAM-00075-02.391* | | | | |

| Line # | Item Number / Description / *Supplemental Description* | Quantity | Units | Unit Price | Extension |
|---|---|---|---|---|---|
| 0517 | 530E00200<br>SPECIAL - STRUCTURES<br>*HAM-CR457-20.315* | 1.000 | LS | $7,300,000.00000 | $7,300,000.00 |

Total for Group 1550:$19,450,000.00

## Group 9000: Incidentals

| | | | | | |
|---|---|---|---|---|---|
| 0518 | 614E11000<br>MAINTAINING TRAFFIC | 1.000 | LS | $4,000,000.00000 | $4,000,000.00 |
| 0519 | 619E16020<br>FIELD OFFICE, TYPE C | 42.000 | MNTH | $5,000.00000 | $210,000.00 |
| 0520 | 623E10000<br>CONSTRUCTION LAYOUT STAKES AND SURVEYING | 1.000 | LS | $1,400,000.00000 | $1,400,000.00 |
| 0521 | 624E10000<br>MOBILIZATION | 1.000 | LS | $6,500,000.00000 | $6,500,000.00 |
| 0522 | 900E17000<br>SPECIAL -<br>*10% CONTINGENCY* | 1.000 | LS | $13,000,000.00000 | $13,000,000.00 |

Total for Group 9000:$25,110,000.00