

Schedule of Pay Items

Report v1

Letting Call: 200221 901

Letting Date: February 21, 2020

Contract ID: 23081-130052

Description: 5.55 mi of pavement reconstruction, concrete shared use path, curb, gutter, sidewalk and ramps, earthwork, drainage, aggregate base, guardrail, signing, pavement markings, culvert replacement, rehabilitation of 14 structures including epoxy and polyester polymer overlays, concrete deck and barrier replacements and beam, substructure and slope paving repairs, structural steel painting and approach work on I-496 from I-96 to Lansing Road, Eaton and Ingham Counties. This project includes a 5 year performance warranty for thin epoxy polymer bridge deck overly, a 2 year bridge coating warranty, a 2 year concrete surfacing coating warranty, and two 5 year materials and workmanship pavement warranties. This project is an Alternate Pavement Bid project. Alternate 1 is hot mix asphalt on unbounded or stabilized base. Alternate 2 is jointed plain concrete pavement.

Project Information

| Project Number | Federal Project Number | Federal Item Number | Control Section |
|----------------|------------------------|---------------------|-----------------|
| 130052A | 20A0258 | N/A | IM 23081 |
| 204532A | 20A0263 | N/A | IM 33044 |
| 205819A | 20A0264 | N/A | IM 23081 |
| 205827A | 20A0265 | N/A | IM 33044 |
| 207419A | 20A0231 | N/A | HSIP 33000 |
| 207615A | N/A | N/A | M 23152 |
| 208526A | 20A0235 | N/A | STU 33000 |
| 208608A | 20A0242 | N/A | TA 33000 |

List of Items by Section

| Line Num | Item Description | Item ID | Quantity | Units |
|-------------------|------------------------------------------------------|---------|------------|-------|
| Section: 1 | | | | |
| 0010 | Dispute Review Board, Hearing | 1040010 | 7,500.000 | Dlr |
| 0020 | Dispute Review Board, Hearing, Additional Day | 1040020 | 1,500.000 | Dlr |
| 0030 | Dispute Review Board, Appeal Hearing | 1040030 | 3,750.000 | Dlr |
| 0040 | Dispute Review Board, Appeal Hearing, Additional Day | 1040040 | 1,500.000 | Dlr |
| 0050 | Dispute Review Board, Progress Meeting | 1040050 | 28,000.000 | Dlr |
| 0060 | _ Railroad Protection, at Grade Crossing | 1077060 | 44,000.000 | Dlr |
| 0070 | Critical Path Method Schedule | 1080005 | 15,000.000 | Dlr |
| 0080 | Mobilization, Max \$4,716,000.00 | 1500001 | 1.000 | LSUM |
| 0090 | Stump, Rem, 6 inch to 18 inch | 2020008 | 5.000 | Ea |
| 0100 | Culv, Rem, Less than 24 inch | 2030001 | 52.000 | Ea |
| 0110 | Culv, Rem, 24 inch to 48 inch | 2030002 | 3.000 | Ea |
| 0120 | Culv, End, Rem, Less than 24 inch | 2030005 | 83.000 | Ea |
| 0130 | Culv, End, Rem, 24 inch to 48 inch | 2030006 | 13.000 | Ea |
| 0140 | Dr Structure, Rem | 2030011 | 33.000 | Ea |
| 0150 | Sewer, Rem, Less than 24 inch | 2030015 | 1,838.000 | Ft |
| 0160 | Sewer, Rem, 24 inch to 48 inch | 2030016 | 44.000 | Ft |

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|------|---------------------------------------------------------|---------|-------------|------|
| 0170 | Curb and Gutter, Rem | 2040020 | 2,001.000 | Ft |
| 0180 | Guardrail, Rem | 2040035 | 19,173.000 | Ft |
| 0190 | Masonry and Conc Structure, Rem | 2040045 | 15.000 | Cyd |
| 0200 | Pavt, Rem | 2040050 | 241,401.000 | Syd |
| 0210 | Sidewalk, Rem | 2040055 | 1,102.000 | Syd |
| 0220 | Exploratory Investigation, Vertical | 2040080 | 150.000 | Ft |
| 0230 | _ Exploratory Trenching | 2047001 | 100.000 | Ft |
| 0240 | Ditch Cleanout | 2050006 | 20.000 | Sta |
| 0250 | Non Haz Contaminated Material Handling and Disposal, LM | 2050031 | 200.000 | Cyd |
| 0260 | Subgrade Undercutting, Type I | 2050040 | 2,000.000 | Cyd |
| 0270 | Subgrade Undercutting, Type II | 2050041 | 2,400.000 | Cyd |
| 0280 | _ Subgrade Undercutting, Modified | 2057021 | 2,000.000 | Cyd |
| 0290 | Obliterate Old Road | 2070001 | 10.000 | Sta |
| 0300 | Erosion Control, Check Dam, Stone | 2080012 | 3,227.000 | Ft |
| 0310 | Erosion Control, Filter Bag | 2080014 | 4.000 | Ea |
| 0320 | Erosion Control, Gravel Access Approach | 2080016 | 10.000 | Ea |
| 0330 | Erosion Control, Gravel Filter Berm | 2080018 | 230.000 | Ft |
| 0340 | Erosion Control, Inlet Protection, Fabric Drop | 2080020 | 95.000 | Ea |
| 0350 | Erosion Control, Inlet Protection, Geotextile and Stone | 2080022 | 5.000 | Ea |
| 0360 | Erosion Control, Inlet Protection, Sediment Trap | 2080024 | 19.000 | Ea |
| 0370 | Erosion Control, Maintenance, Sediment Removal | 2080026 | 210.000 | Cyd |
| 0380 | Erosion Control, Sand Bag | 2080028 | 750.000 | Ea |
| 0390 | Erosion Control, Sediment Basin | 2080032 | 15.000 | Cyd |
| 0400 | Erosion Control, Sediment Trap | 2080034 | 170.000 | Ea |
| 0410 | Erosion Control, Silt Fence | 2080036 | 9,001.000 | Ft |
| 0420 | Erosion Control, Temp Plastic Sheet/Geotextile Cover | 2080040 | 300.000 | Syd |
| 0430 | _ Erosion Control, Straw Wattle, 12 inch dia | 2087001 | 160.000 | Ft |
| 0440 | Project Cleanup | 2090001 | 1.000 | LSUM |
| 0450 | _ Aggregate Base, 21AA, Modified, 8 inch | 3027011 | 225.000 | Syd |
| 0460 | _ Aggregate Base, Conditioning, Special | 3027011 | 25,396.000 | Syd |
| 0470 | _ Geogrid, Triaxial, Base | 3027011 | 25,396.000 | Syd |
| 0480 | _ Aggregate Base, 21AA, Special | 3027031 | 3,995.000 | Ton |
| 0490 | Maintenance Gravel | 3060020 | 200.000 | Ton |
| 0500 | Maintenance Gravel, LM | 3060021 | 200.000 | Cyd |
| 0510 | Approach, CI II | 3070021 | 986.000 | Ton |
| 0520 | Shoulder, CI II, 6 inch | 3070128 | 42,188.000 | Syd |
| 0530 | Culv End Sect, 12 inch | 4010012 | 15.000 | Ea |
| 0540 | Culv End Sect, 18 inch | 4010018 | 1.000 | Ea |
| 0550 | Culv End Sect, 24 inch | 4010024 | 93.000 | Ea |
| 0560 | Culv End Sect, Conc, 12 inch | 4010047 | 9.000 | Ea |
| 0570 | Culv End Sect, Conc, 24 inch | 4010051 | 3.000 | Ea |
| 0580 | Culv End Sect, Conc, 30 inch | 4010052 | 2.000 | Ea |
| 0590 | Culv End Sect, Conc, 36 inch | 4010053 | 1.000 | Ea |
| 0600 | Culv, CI A, 24 inch | 4010134 | 2,188.000 | Ft |

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|------|--------------------------------------------------------------------|---------|-----------|----|
| 0610 | Culv, CI B, 24 inch | 4010236 | 560.000 | Ft |
| 0620 | Culv, CI E, 24 inch | 4010542 | 1,436.000 | Ft |
| 0630 | Culv, CI F, 12 inch | 4010607 | 238.000 | Ft |
| 0640 | Culv, Downspout, 12 inch | 4010795 | 416.000 | Ft |
| 0650 | Culv, Slp End Sect, 1 on 6, 24 inch, Longit | 4010955 | 4.000 | Ea |
| 0660 | Culv, Slp End Sect, Ellip Pipe, 1 on 4, 38 inch by 60 inch, Transv | 4011064 | 1.000 | Ea |
| 0670 | Dr Marker Post | 4011109 | 81.000 | Ea |
| 0680 | _ Cured-In-Place Pipe Lining, 12 inch | 4017001 | 416.000 | Ft |
| 0690 | _ Cured-In-Place Pipe Lining, 24 inch | 4017001 | 170.000 | Ft |
| 0700 | Sewer, CI A, 12 inch, Tr Det A | 4020004 | 26.000 | Ft |
| 0710 | Sewer, CI A, 24 inch, Tr Det A | 4020007 | 17.000 | Ft |
| 0720 | Sewer, CI A, 12 inch, Tr Det B | 4020033 | 615.000 | Ft |
| 0730 | Sewer, CI A, 18 inch, Tr Det B | 4020035 | 149.000 | Ft |
| 0740 | Sewer, CI A, 24 inch, Tr Det B | 4020036 | 1,313.000 | Ft |
| 0750 | Sewer, CI A, 15 inch, Tr Det D | 4020094 | 424.000 | Ft |
| 0760 | Sewer, CI B, 24 inch, Tr Det B | 4020186 | 288.000 | Ft |
| 0770 | Sewer, CI E, 12 inch, Tr Det B | 4020600 | 804.000 | Ft |
| 0780 | Sewer, CI E, 24 inch, Tr Det B | 4020603 | 118.000 | Ft |
| 0790 | Sewer, CI E, 12 inch, Tr Det D | 4020660 | 214.000 | Ft |
| 0800 | Sewer, CI E, 18 inch, Tr Det D | 4020662 | 150.000 | Ft |
| 0810 | Sewer Tap, 12 inch | 4021204 | 11.000 | Ea |
| 0820 | Sewer Bulkhead, 12 inch | 4021230 | 1.000 | Ea |
| 0830 | Sewer Bulkhead, 18 inch | 4021232 | 4.000 | Ea |
| 0840 | Sewer Bulkhead, 24 inch | 4021234 | 6.000 | Ea |
| 0850 | Video Taping Sewer and Culv Pipe | 4021275 | 9,100.000 | Ft |
| 0860 | Dr Structure Cover, Adj, Case 1 | 4030005 | 11.000 | Ea |
| 0870 | Dr Structure Cover, Adj, Case 2 | 4030006 | 5.000 | Ea |
| 0880 | Dr Structure Cover, Type B | 4030010 | 10.000 | Ea |
| 0890 | Dr Structure Cover, Type D | 4030025 | 1.000 | Ea |
| 0900 | Dr Structure Cover, Type E | 4030035 | 2.000 | Ea |
| 0910 | Dr Structure Cover, Type G | 4030040 | 5.000 | Ea |
| 0920 | Dr Structure Cover, Type J | 4030045 | 4.000 | Ea |
| 0930 | Dr Structure Cover, Type K | 4030050 | 45.000 | Ea |
| 0940 | Dr Structure Lead, Cleaning, 12 inch | 4030112 | 500.000 | Ft |
| 0950 | Dr Structure, 24 inch dia | 4030200 | 17.000 | Ea |
| 0960 | Dr Structure, 48 inch dia | 4030210 | 38.000 | Ea |
| 0970 | Dr Structure, 60 inch dia | 4030220 | 1.000 | Ea |
| 0980 | Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot | 4030250 | 1.000 | Ft |
| 0990 | Dr Structure, Adj, Add Depth | 4030280 | 9.000 | Ft |
| 1000 | Dr Structure, Tap, 4 inch | 4030304 | 6.000 | Ea |
| 1010 | Dr Structure, Tap, 8 inch | 4030308 | 1.000 | Ea |
| 1020 | Dr Structure, Tap, 12 inch | 4030312 | 7.000 | Ea |
| 1030 | Dr Structure, Tap, 18 inch | 4030318 | 1.000 | Ea |

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|------|-----------------------------------------------------|---------|-------------|-----|
| 1040 | _ Dr Structure, Reconstruct | 4037001 | 10.000 | Ft |
| 1050 | _ Dr Structure Cover, ADA Compliant | 4037050 | 1.000 | Ea |
| 1060 | Underdrain, Subbase, 4 inch | 4040061 | 7,184.000 | Ft |
| 1070 | Underdrain, Subgrade, 6 inch | 4040073 | 888.000 | Ft |
| 1080 | Underdrain Outlet, 4 inch | 4040091 | 176.000 | Ft |
| 1090 | Underdrain Outlet, 6 inch | 4040093 | 24,409.000 | Ft |
| 1100 | Underdrain, Outlet Ending, 4 inch | 4040111 | 8.000 | Ea |
| 1110 | Underdrain, Outlet Ending, 6 inch | 4040113 | 411.000 | Ea |
| 1120 | _ Underdrain, Subgrade, Special, 8 inch | 4047001 | 321.000 | Ft |
| 1130 | Bump Grinding | 5010004 | 200.000 | Syd |
| 1140 | HMA Surface, Rem | 5010005 | 108,881.000 | Syd |
| 1150 | Pavt for Butt Joints, Rem | 5010008 | 200.000 | Syd |
| 1160 | Hand Patching | 5010025 | 265.000 | Ton |
| 1170 | HMA, 3E3 | 5010045 | 4,925.000 | Ton |
| 1180 | HMA, 4E3 | 5010051 | 4,007.000 | Ton |
| 1190 | HMA Approach | 5010061 | 628.000 | Ton |
| 1200 | HMA, 4E3, High Stress | 5010509 | 2,558.000 | Ton |
| 1210 | HMA Approach, High Stress | 5010520 | 297.000 | Ton |
| 1220 | HMA, Temp Pavt (4E03) | 5010802 | 139.000 | Ton |
| 1230 | _ Cold Milling HMA Surface, Special | 5017011 | 23,726.000 | Syd |
| 1240 | _ HMA Surface, Rem, Special | 5017011 | 205.000 | Syd |
| 1250 | Joint, Expansion, E3 | 6020208 | 560.000 | Ft |
| 1260 | Conc Pavt, Bridge Approach, Reinf | 6020600 | 1,321.000 | Syd |
| 1270 | Conc Pavt, Bridge Approach, Reinf, High Performance | 7060003 | 743.000 | Syd |
| 1280 | Conc, Grade S2 | 7060011 | 6.000 | Cyd |
| 1290 | Reinforcement, Steel, Culv and Headwall | 7060091 | 240.000 | Lb |
| 1300 | _ Insulation Board, 2 inch | 8007010 | 329.000 | Sft |
| 1310 | _ Managed Field Ethernet Switch, Fiber Capable | 8007050 | 1.000 | Ea |
| 1320 | _ Roadside Unit, Intersection | 8007050 | 1.000 | Ea |
| 1330 | Driveway, Nonreinf Conc, 7 inch | 8010006 | 166.000 | Syd |
| 1340 | Curb, Conc, Det E1 | 8020001 | 100.000 | Ft |
| 1350 | Curb and Gutter, Bridge Approach | 8020010 | 781.000 | Ft |
| 1360 | Curb and Gutter, Conc, Det B2 | 8020016 | 490.000 | Ft |
| 1370 | Curb and Gutter, Conc, Det C3 | 8020022 | 136.000 | Ft |
| 1380 | Curb and Gutter, Conc, Det C4 | 8020023 | 675.000 | Ft |
| 1390 | Curb and Gutter, Conc, Det F2 | 8020036 | 617.000 | Ft |
| 1400 | Driveway Opening, Conc, Det M | 8020050 | 693.000 | Ft |
| 1410 | Shoulder Gutter, Conc, Det 3 | 8020057 | 1.000 | Ea |
| 1420 | Downspout Header, Conc | 8020070 | 6.000 | Ea |
| 1430 | Curb Ramp Opening, Conc | 8030030 | 52.000 | Ft |
| 1440 | _ Detectable Warning Surface, Cast Iron | 8037010 | 467.000 | Sft |
| 1450 | _ Sidewalk Ramp, ADA, Modified | 8037010 | 3,392.000 | Sft |
| 1460 | _ Sidewalk, Conc, Modified, 4 inch | 8037010 | 11,244.000 | Sft |
| 1470 | _ Sidewalk, Conc, Modified, 7 inch | 8037010 | 615.000 | Sft |
| 1480 | Shared use Path, Aggregate | 8060010 | 240.000 | Ton |

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|------|------------------------------------------------------------|---------|------------|-----|
| 1490 | Shared use Path, Grading | 8060030 | 4,300.000 | Ft |
| 1500 | _ Shared Use Path, Conc, Modified, 6 inch | 8067011 | 4,490.000 | Syd |
| 1510 | _ Shared Use Path, Conc, Modified, 7 inch | 8067011 | 296.000 | Syd |
| 1520 | Guardrail, Type MGS-8 | 8070004 | 15,825.000 | Ft |
| 1530 | Guardrail, Curved, Type MGS-8 | 8070012 | 50.000 | Ft |
| 1540 | Guardrail Anch, Bridge, Det T1 | 8070022 | 21.000 | Ea |
| 1550 | Guardrail Approach Terminal, Type 2M | 8070044 | 41.000 | Ea |
| 1560 | Guardrail Departing Terminal, Type T | 8070051 | 1.000 | Ea |
| 1570 | Guardrail Departing Terminal, Type MGS | 8070052 | 32.000 | Ea |
| 1580 | Guardrail Reflector | 8070080 | 408.000 | Ea |
| 1590 | Post, Mailbox | 8070095 | 3.000 | Ea |
| 1600 | Guardrail Post, Furn and Install, 84 inch | 8070102 | 30.000 | Ea |
| 1610 | Guardrail, Reconst, Type T | 8070109 | 188.000 | Ft |
| 1620 | Guardrail Anch, Bridge, Det M1 | 8070130 | 6.000 | Ea |
| 1630 | Guardrail Anch, Bridge, Det M7 | 8070136 | 14.000 | Ea |
| 1640 | _ Fence, Ornamental Aluminum, 48 inch | 8087001 | 230.000 | Ft |
| 1650 | _ Gate, Ornamental Aluminum, 10 ft | 8087050 | 2.000 | Ea |
| 1660 | Bridge Sign Connection, Bolt Replacement | 8100020 | 10.000 | Ea |
| 1670 | Bridge Sign Connection, Conc, Type A1 | 8100031 | 12.000 | Ea |
| 1680 | Bridge Sign Connection, Steel, Type A1 | 8100060 | 4.000 | Ea |
| 1690 | Bridge Sign Connection, Steel, Type F | 8100065 | 1.000 | Ea |
| 1700 | Bridge Sign Connection, Type A, Rem | 8100080 | 16.000 | Ea |
| 1710 | Bridge Sign Connection, Type E, Rem | 8100084 | 1.000 | Ea |
| 1720 | Cantilever, Type E | 8100104 | 2.000 | Ea |
| 1730 | Column, Breakaway, W8 x 13 | 8100120 | 12.000 | Ea |
| 1740 | Column, Breakaway, W8 x 18 | 8100121 | 4.000 | Ea |
| 1750 | Delineator Reflector, Red | 8100131 | 180.000 | Ea |
| 1760 | Delineator Reflector, Yellow | 8100132 | 29.000 | Ea |
| 1770 | Delineator Reflector, Green | 8100133 | 37.000 | Ea |
| 1780 | Delineator Reflector, White | 8100134 | 464.000 | Ea |
| 1790 | Delineator, Reflective Sheeting, 3 inch by 12 inch, Red | 8100139 | 28.000 | Ea |
| 1800 | Delineator, Reflective Sheeting, 3 inch by 12 inch, White | 8100145 | 104.000 | Ea |
| 1810 | Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow | 8100146 | 183.000 | Ea |
| 1820 | Fdn, Breakaway, W8 x 13 | 8100160 | 14.000 | Ea |
| 1830 | Fdn, Breakaway, W8 x 18 | 8100161 | 6.000 | Ea |
| 1840 | Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased | 8100170 | 56.000 | Ft |
| 1850 | Fdn, Column Breakaway, Rem | 8100220 | 11.000 | Ea |
| 1860 | Fdn, Truss Sign Structure Type E, 48 inch Dia, Cased | 8100250 | 179.000 | Ft |
| 1870 | Fdn, Truss Sign Structure Type E, 54 inch Dia, Cased | 8100252 | 88.000 | Ft |
| 1880 | Fdn, Truss, Rem | 8100260 | 6.000 | Ea |
| 1890 | Fdn, Wood Support, Rem | 8100280 | 40.000 | Ea |
| 1900 | Installing MDOT Supplied Sign, Type I | 8100300 | 3.000 | Ea |
| 1910 | Installing MDOT Supplied Sign, Type III | 8100302 | 4.000 | Ea |

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|------|--------------------------------------------------------------|---------|------------|-----|
| 1920 | Perforated Steel Square Tube Breakaway System | 8100330 | 22.000 | Ea |
| 1930 | Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem | 8100331 | 24.000 | Ea |
| 1940 | Delineator, Rem | 8100349 | 866.000 | Ea |
| 1950 | Post, Flexible, Delineator | 8100360 | 287.000 | Ea |
| 1960 | Post, Rigid, Delineator | 8100361 | 644.000 | Ea |
| 1970 | Post, Steel, 3 lb | 8100371 | 3,766.000 | Ft |
| 1980 | Post, Wood, 4 inch by 6 inch | 8100380 | 582.000 | Ft |
| 1990 | Post, Wood, 6 inch by 8 inch | 8100382 | 402.000 | Ft |
| 2000 | Sign, Type I, Rem | 8100391 | 26.000 | Ea |
| 2010 | Sign, Type IA | 8100392 | 3,258.000 | Sft |
| 2020 | Sign, Type IB | 8100393 | 255.000 | Sft |
| 2030 | Sign, Type II, Rem | 8100397 | 77.000 | Ea |
| 2040 | Sign, Type IIA | 8100398 | 453.000 | Sft |
| 2050 | Sign, Type IIB | 8100399 | 499.000 | Sft |
| 2060 | Sign, Type III, Rem | 8100403 | 214.000 | Ea |
| 2070 | Sign, Type IIIA | 8100404 | 353.000 | Sft |
| 2080 | Sign, Type IIIB | 8100405 | 819.000 | Sft |
| 2090 | Sign, Type V, Rem | 8100421 | 1.000 | Ea |
| 2100 | Sign, Type VA | 8100424 | 99.000 | Sft |
| 2110 | Sign, Type VB | 8100425 | 425.000 | Sft |
| 2120 | Truss, Rem | 8100440 | 3.000 | Ea |
| 2130 | Truss, Type E, 95 foot | 8100493 | 2.000 | Ea |
| 2140 | Truss, Type E, 110 foot | 8100496 | 1.000 | Ea |
| 2150 | Mast Arm, Rem | 8100560 | 2.000 | Ea |
| 2160 | Mast Arm Std, Rem | 8100570 | 2.000 | Ea |
| 2170 | Reflective Panel for Permanent Sign Support, 3 foot | 8100613 | 36.000 | Ea |
| 2180 | Reflective Panel for Permanent Sign Support, 6 foot | 8100616 | 85.000 | Ea |
| 2190 | _ Hand Digging Sign Post | 8107050 | 20.000 | Ea |
| 2200 | Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk | 8110024 | 490.000 | Ft |
| 2210 | Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk | 8110041 | 1,280.000 | Ft |
| 2220 | Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar | 8110044 | 276.000 | Ft |
| 2230 | Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar | 8110045 | 395.000 | Ft |
| 2240 | Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym | 8110063 | 15.000 | Ea |
| 2250 | Pavt Mrkg, Ovly Cold Plastic, Railroad Sym | 8110069 | 6.000 | Ea |
| 2260 | Pavt Mrkg, Ovly Cold Plastic, Stop | 8110075 | 6.000 | Ea |
| 2270 | Pavt Mrkg, Polyurea, Wrong Way Arrow Symbol | 8110098 | 4.000 | Ea |
| 2280 | Pavt Mrkg, Sprayable Thermopl, 12 inch, White | 8110159 | 12,383.000 | Ft |
| 2290 | Pavt Mrkg, Thermopl, 6 inch, Crosswalk | 8110197 | 116.000 | Ft |
| 2300 | Pavt Mrkg, Thermopl, 24 inch, Stop Bar | 8110218 | 243.000 | Ft |
| 2310 | Pavt Mrkg, Waterborne, 4 inch, White | 8110231 | 9,846.000 | Ft |
| 2320 | Pavt Mrkg, Waterborne, 4 inch, Yellow | 8110232 | 22,363.000 | Ft |
| 2330 | Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White | 8110251 | 6,476.000 | Ft |
| 2340 | Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow | 8110252 | 8,138.000 | Ft |
| 2350 | Rem Spec Mrkg | 8110343 | 216.000 | Sft |

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| 2360 | Witness, Log, \$1,000.00 | 8110350 | 1,000.000 | Dir |
| 2370 | Pavt Mrkg, Ovly Cold Plastic, 6 inch, Wet Reflective, White | 8110381 | 14,245.000 | Ft |
| 2380 | Pavt Mrkg, Polyurea, Lt & Rt Turn Arrow Sym | 8110404 | 2.000 | Ea |
| 2390 | Pavt Mrkg, Polyurea, Lt Turn Arrow Sym | 8110405 | 8.000 | Ea |
| 2400 | Pavt Mrkg, Polyurea, Merge | 8110407 | 4.000 | Ea |
| 2410 | Pavt Mrkg, Polyurea, Rt Turn Arrow Sym | 8110412 | 12.000 | Ea |
| 2420 | Recessing Pavt Mrkg, Transv | 8110451 | 2,036.000 | Sft |
| 2430 | Recessing Pavt Mrkg, Guide Line | 8110453 | 272.000 | Ft |
| 2440 | Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White | 8110501 | 84,913.000 | Ft |
| 2450 | Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow | 8110505 | 76,352.000 | Ft |
| 2460 | Pavt Mrkg, Ovly Cold Plastic, 6 inch, Dotted Turning Guide Line, White | 8110562 | 136.000 | Ft |
| 2470 | _ Pavt Mrkg, Ovly Cold Plastic, 24 inch by 36 inch, Yield Line | 8117010 | 72.000 | Sft |
| 2480 | Barricade, Type III, High Intensity, Double Sided, Lighted, Furn | 8120012 | 24.000 | Ea |
| 2490 | Barricade, Type III, High Intensity, Double Sided, Lighted, Oper | 8120013 | 24.000 | Ea |
| 2500 | Barricade, Type III, High Intensity, Lighted, Furn | 8120022 | 130.000 | Ea |
| 2510 | Barricade, Type III, High Intensity, Lighted, Oper | 8120023 | 130.000 | Ea |
| 2520 | Pedestrian Type II Barricade, Temp | 8120026 | 8.000 | Ea |
| 2530 | Channelizing Device, 42 inch, Furn | 8120030 | 350.000 | Ea |
| 2540 | Channelizing Device, 42 inch, Oper | 8120031 | 350.000 | Ea |
| 2550 | Channelizing Device, 42 inch, Fluorescent, Furn | 8120035 | 450.000 | Ea |
| 2560 | Channelizing Device, 42 inch, Fluorescent, Oper | 8120036 | 450.000 | Ea |
| 2570 | Conc Barrier Ending, Temp, Detail 2, Furn | 8120041 | 13.000 | Ea |
| 2580 | Conc Barrier Ending, Temp, Detail 2, Oper | 8120042 | 13.000 | Ea |
| 2590 | Conc Barrier Ending, Temp, Detail 4, Furn | 8120051 | 1.000 | Ea |
| 2600 | Conc Barrier Ending, Temp, Detail 4, Oper | 8120052 | 1.000 | Ea |
| 2610 | Conc Barrier Reflector Replacement | 8120070 | 44.000 | Ea |
| 2620 | Conc Barrier, Temp, Furn | 8120081 | 2,920.000 | Ft |
| 2630 | Conc Barrier, Temp, Oper | 8120082 | 2,920.000 | Ft |
| 2640 | Conc Barrier, Temp, Limited Deflection, Reflector Replacement | 8120086 | 40.000 | Ea |
| 2650 | High Intensity Light, Type B, Furn | 8120110 | 19.000 | Ea |
| 2660 | High Intensity Light, Type B, Oper | 8120111 | 19.000 | Ea |
| 2670 | Lighted Arrow, Type C, Furn | 8120140 | 18.000 | Ea |
| 2680 | Lighted Arrow, Type C, Oper | 8120141 | 18.000 | Ea |
| 2690 | Lighted Arrow, Type C, Standby | 8120142 | 3.000 | Ea |
| 2700 | Minor Traf Devices | 8120170 | 1.000 | LSUM |
| 2710 | Mobile Attenuator | 8120180 | 4.000 | Ea |
| 2720 | Pavt Mrkg, Longit, 6 inch or Less Width, Rem | 8120210 | 11,000.000 | Ft |
| 2730 | Pavt Mrkg, Longit, Greater than 6 inch Width, Rem | 8120211 | 60.000 | Ft |
| 2740 | Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar | 8120216 | 122.000 | Ft |
| 2750 | Pavt Mrkg, Type NR, Paint, Lt Turn Arrow | 8120217 | 8.000 | Ea |
| 2760 | Pavt Mrkg, Type NR, Paint, Rt Turn Arrow | 8120218 | 2.000 | Ea |

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|------|-----------------------------------------------------------------|---------|-------------|------|
| 2770 | Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp | 8120235 | 3,500.000 | Ft |
| 2780 | Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp | 8120236 | 8,200.000 | Ft |
| 2790 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp | 8120245 | 10,640.000 | Ft |
| 2800 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp | 8120246 | 7,040.000 | Ft |
| 2810 | Plastic Drum, Fluorescent, Furn | 8120252 | 1,455.000 | Ea |
| 2820 | Plastic Drum, Fluorescent, Oper | 8120253 | 1,455.000 | Ea |
| 2830 | PTS System, Temp, Furn | 8120270 | 3.000 | Ea |
| 2840 | PTS System, Temp, Oper | 8120271 | 3.000 | Ea |
| 2850 | Sign Cover | 8120310 | 10.000 | Ea |
| 2860 | Sign Cover, Type 1 | 8120320 | 10.000 | Ea |
| 2870 | Sign, Portable, Changeable Message, Furn | 8120330 | 2.000 | Ea |
| 2880 | Sign, Portable, Changeable Message, Oper | 8120331 | 2.000 | Ea |
| 2890 | Sign, Portable, Changeable Message, NTCIP-Compliant, Furn | 8120332 | 26.000 | Ea |
| 2900 | Sign, Portable, Changeable Message, NTCIP-Compliant, Oper | 8120333 | 26.000 | Ea |
| 2910 | Sign, Type B, Temp, Prismatic, Furn | 8120350 | 8,725.000 | Sft |
| 2920 | Sign, Type B, Temp, Prismatic, Oper | 8120351 | 8,725.000 | Sft |
| 2930 | Sign, Type B, Temp, Prismatic, Spec, Furn | 8120352 | 1,560.000 | Sft |
| 2940 | Sign, Type B, Temp, Prismatic, Spec, Oper | 8120353 | 1,560.000 | Sft |
| 2950 | Portable Water Filled Barrier, Furn | 8120410 | 304.000 | Ft |
| 2960 | Portable Water Filled Barrier, Oper | 8120411 | 600.000 | Ft |
| 2970 | Conc Barrier, Temp, Limited Deflection, Det 4A, Furn | 8121300 | 2,620.000 | Ft |
| 2980 | Conc Barrier, Temp, Limited Deflection, Det 4A, Oper | 8121301 | 2,620.000 | Ft |
| 2990 | _ Pedestrian Ramp, Temp | 8127050 | 6.000 | Ea |
| 3000 | _ Traf Speed Sensor, Portable, Temp | 8127050 | 6.000 | Ea |
| 3010 | _ Control System, Dynamic Work Zone Traf Monitoring System | 8127051 | 1.000 | LSUM |
| 3020 | Riprap, Plain | 8130010 | 880.000 | Syd |
| 3030 | Ditch, Plain Cobble | 8140005 | 215.000 | Syd |
| 3040 | Site Preparation, Max \$10,120.00 | 8150001 | 1.000 | LSUM |
| 3050 | Watering and Cultivating, First Season, Min \$5,740.00 | 8150002 | 1.000 | LSUM |
| 3060 | Watering and Cultivating, Second Season, Min \$7,090.00 | 8150003 | 1.000 | LSUM |
| 3070 | Taxodium distichum, 1 1/2 inch | 8153744 | 15.000 | Ea |
| 3080 | _ Ulmus americana 'princeton', 1 1/2 inch | 8157050 | 15.000 | Ea |
| 3090 | Mulch | 8160025 | 55.000 | Syd |
| 3100 | Slope Restoration, Type A | 8160100 | 400,000.000 | Syd |
| 3110 | Slope Restoration, Type B | 8160101 | 100,000.000 | Syd |
| 3120 | Slope Restoration, Type C | 8160102 | 50,000.000 | Syd |
| 3130 | Slope Restoration, Type D | 8160103 | 20,000.000 | Syd |
| 3140 | _ Slope Restoration, Type II | 8167011 | 10,677.000 | Syd |
| 3150 | _ Slope Restoration, Type II-ES | 8167011 | 7,160.000 | Syd |
| 3160 | _ Slope Restoration, Type V | 8167011 | 300.000 | Syd |

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|------|-------------------------------------------------------------------|---------|-----------|-----|
| 3170 | Conduit, DB, 1, 1 1/2 inch | 8190027 | 140.000 | Ft |
| 3180 | Conduit, DB, 1, 3 inch | 8190029 | 219.000 | Ft |
| 3190 | Conduit, DB, 2, 3 inch | 8190032 | 30.000 | Ft |
| 3200 | Conduit, DB, 3, 3 inch | 8190035 | 65.000 | Ft |
| 3210 | Conduit, DB, 4, 3 inch | 8190038 | 10.000 | Ft |
| 3220 | Elec Serv, Rem | 8190225 | 1.000 | Ea |
| 3230 | Hh, Polymer Conc | 8190250 | 9.000 | Ea |
| 3240 | Hh, Rem | 8190254 | 2.000 | Ea |
| 3250 | Hh, Round, 3 foot dia | 8190259 | 1.000 | Ea |
| 3260 | Hh, Round | 8190260 | 8.000 | Ea |
| 3270 | Cable, Sec, 600V, 1, 3/C#6 | 8190399 | 100.000 | Ft |
| 3280 | Wood Pole, Cl 4, 30 foot | 8190471 | 1.000 | Ea |
| 3290 | Wood Pole, Rem | 8190505 | 1.000 | Ea |
| 3300 | Conduit, Directional Bore, 2, 3 inch | 8190604 | 245.000 | Ft |
| 3310 | _ Conduit, DB, 1, 1 inch | 8197001 | 20.000 | Ft |
| 3320 | Anchor Guy | 8200001 | 3.000 | Ea |
| 3330 | Case Sign (LED), One Way, 24 inch by 30 inch | 8200029 | 1.000 | Ea |
| 3340 | Controller and Cabinet, Rem | 8200030 | 1.000 | Ea |
| 3350 | Case Sign (LED), Disappearing Legend, One Way, 24 inch by 30 inch | 8200042 | 1.000 | Ea |
| 3360 | Controller Fdn, Base Mount | 8200045 | 2.000 | Ea |
| 3370 | Global Positioning System Module | 8200050 | 2.000 | Ea |
| 3380 | Fdn, Rem | 8200065 | 2.000 | Ea |
| 3390 | TS, Managed Field Ethernet Switch, Layer 2, Copper | 8200088 | 1.000 | Ea |
| 3400 | Pedestal, Alum | 8200100 | 6.000 | Ea |
| 3410 | Pedestal, Fdn | 8200105 | 11.000 | Ea |
| 3420 | Pedestal Fdn, Rem | 8200106 | 2.000 | Ea |
| 3430 | Pedestal, Rem | 8200110 | 2.000 | Ea |
| 3440 | Power Co. (Est. Cost to Contractor) | 8200116 | 2,500.000 | Dlr |
| 3450 | Pushbutton and Sign | 8200121 | 13.000 | Ea |
| 3460 | Pushbutton Pedestal, Alum | 8200123 | 4.000 | Ea |
| 3470 | Serv Disconnect | 8200135 | 2.000 | Ea |
| 3480 | Span Wire | 8200140 | 8.000 | Ea |
| 3490 | Span Wire, Rem | 8200141 | 1.000 | Ea |
| 3500 | Span Wire Tether | 8200142 | 3.000 | Ea |
| 3510 | Guy, Rem | 8200167 | 5.000 | Ea |
| 3520 | TS, Pedestrian, Bracket Arm Mtd, Rem | 8200180 | 2.000 | Ea |
| 3530 | TS, Pedestrian, Pedestal Mtd, Rem | 8200181 | 2.000 | Ea |
| 3540 | TS, Span Wire Mtd, Rem | 8200182 | 5.000 | Ea |
| 3550 | Cabinet, NEMA Type | 8200186 | 1.000 | Ea |
| 3560 | TS, One Way Span Wire Mtd (LED) | 8200313 | 15.000 | Ea |
| 3570 | TS, One Way Span Wire Mtd, FYA (LED) | 8200314 | 4.000 | Ea |
| 3580 | TS, 4th Level, LTGA (LED) | 8200329 | 1.000 | Ea |
| 3590 | TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown | 8200336 | 3.000 | Ea |

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|------|---------------------------------------------------------|---------|---------|------|
| 3600 | TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown | 8200339 | 2.000 | Ea |
| 3610 | TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown | 8200345 | 5.000 | Ea |
| 3620 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 8200347 | 1.000 | Ea |
| 3630 | Bracket, Truss, With 18 Foot Arm | 8200378 | 1.000 | Ea |
| 3640 | Wireless Vehicle Detection System | 8200422 | 1.000 | Ea |
| 3650 | Wireless Vehicle Sensor Node | 8200425 | 18.000 | Ea |
| 3660 | Hemispherical Video Detection Camera | 8200444 | 1.000 | Ea |
| 3670 | Hemispherical Video Detection System | 8200445 | 1.000 | Ea |
| 3680 | TS Head, Temp | 8200453 | 8.000 | Ea |
| 3690 | TS Face, Bag | 8200458 | 11.000 | Ea |
| 3700 | TS Face, Bag, Rem | 8200459 | 11.000 | Ea |
| 3710 | Strain Pole, Steel, 6 bolt, 30 foot | 8200460 | 7.000 | Ea |
| 3720 | Strain Pole, Steel, 6 bolt, 36 foot | 8200461 | 1.000 | Ea |
| 3730 | Strain Pole Fdn, 6 Bolt | 8200470 | 114.000 | Ft |
| 3740 | Casing | 8200480 | 78.000 | Ft |
| 3750 | Cellular Modem, TS, 4G | 8200498 | 1.000 | Ea |
| 3760 | Backplate, TS | 8200501 | 6.000 | Ea |
| 3770 | _ Controller and Cabinet, Digital Type, Special | 8207050 | 1.000 | Ea |
| 3780 | _ Controller, NEMA, ATC Type | 8207050 | 1.000 | Ea |
| 3790 | _ Optical Detector, Two Way, Two Channel | 8207050 | 2.000 | Ea |
| 3800 | _ Optical Priority Control System | 8207050 | 1.000 | Ea |
| 3810 | _ Tremie Pour | 8207050 | 2.000 | Ea |
| 3820 | Monument Box | 8210001 | 2.000 | Ea |
| 3830 | Monument Preservation | 8210010 | 2.000 | Ea |
| 3840 | Protect Corners | 8210020 | 5.000 | Ea |
| 3850 | Gate Valve and Box, 12 inch | 8230054 | 2.000 | Ea |
| 3860 | Water Main, DI, 8 inch, Tr Det F | 8230155 | 389.000 | Ft |
| 3870 | Water Main, DI, 12 inch, Tr Det F | 8230165 | 288.000 | Ft |
| 3880 | Polyethylene Encasement | 8230440 | 593.000 | Ft |
| 3890 | _ Water Main, HDPE, 12 inch, Directional Bore | 8237001 | 426.000 | Ft |
| 3900 | _ Utility Valve Box | 8237050 | 9.000 | Ea |
| 3910 | _ Utility Valve Box, Adj, Case 1 | 8237050 | 10.000 | Ea |
| 3920 | _ Utility Valve Box, Adj, Case 2 | 8237050 | 21.000 | Ea |
| 3930 | Contractor Staking | 8240001 | 1.000 | LSUM |
| 3940 | Staking Plan Errors and Extras, One Person | 8240020 | 399.000 | Hr |
| 3950 | Staking Plan Errors and Extras, Two Person | 8240021 | 160.000 | Hr |
| 3960 | Staking Plan Errors and Extras, Three Person | 8240022 | 240.000 | Hr |
| 3970 | _ Monitor Well, Adjust, Case 2 | 8257050 | 6.000 | Ea |
| 3980 | Lightning Protection, Pole | 8260021 | 1.000 | Ea |
| 3990 | Flowable Fill, Non-Structural | 8260148 | 665.000 | Cyd |
| 4000 | _ Traf Regulator Control, Special | 8507040 | 640.000 | Hr |

Section: 2

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|------|-------------------------------------------|---------|-------------|-----|
| 4010 | Embankment, CIP | 2050010 | 33,607.000 | Cyd |
| 4020 | Excavation, Earth | 2050016 | 409,692.000 | Cyd |
| 4030 | Subbase, CIP | 3010002 | 289,148.000 | Cyd |
| 4040 | Aggregate Base, 6 inch | 3020016 | 253,335.000 | Syd |
| 4050 | Aggregate Base, 9 inch | 3020022 | 100,524.000 | Syd |
| 4060 | Geotextile, Separator | 3080005 | 1,937.000 | Syd |
| 4070 | Underdrain, Subbase, 6 inch | 4040063 | 121,345.000 | Ft |
| 4080 | HMA Quality Initiative | 5010007 | 467,078.000 | Dlr |
| 4090 | _ HMA Approach, 6.5 inch | 5017011 | 26,486.000 | Syd |
| 4100 | _ HMA Approach, 9 inch | 5017011 | 23,199.000 | Syd |
| 4110 | _ HMA Approach, High Stress, 6.5 inch | 5017011 | 26,820.000 | Syd |
| 4120 | _ HMA, 2E10, 5 inch | 5017011 | 172,055.000 | Syd |
| 4130 | _ HMA, 4E03, 2 inch | 5017011 | 188,597.000 | Syd |
| 4140 | _ HMA, 4E10, 2 inch | 5017011 | 172,055.000 | Syd |
| 4150 | _ HMA, 5E03, 2 inch | 5017011 | 90,518.000 | Syd |
| 4160 | _ HMA, 5E10, 2 inch | 5017011 | 172,055.000 | Syd |
| 4170 | Conc Quality Initiative | 6020401 | 18,182.000 | Dlr |
| 4180 | Curb and Gutter, Conc, Det F3 | 8020037 | 311.000 | Ft |
| 4190 | Curb and Gutter, Conc, Det F4 | 8020038 | 7,788.000 | Ft |
| 4200 | Curb and Gutter, Conc, Det F5 | 8020039 | 125.000 | Ft |
| 4210 | Recessing Pavt Mrkg, Longit | 8110450 | 183,922.000 | Ft |
| 4220 | Shoulder Corrugations, Ground or Cut, HMA | 8220001 | 119,037.000 | Ft |

Section: 3

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|------|------------------------------------------------------|---------|-------------|-----|
| 4230 | Embankment, CIP | 2050010 | 59,016.000 | Cyd |
| 4240 | Excavation, Earth | 2050016 | 253,583.000 | Cyd |
| 4250 | Subbase, CIP | 3010002 | 107,302.000 | Cyd |
| 4260 | Aggregate Base, 6 inch | 3020016 | 743.000 | Syd |
| 4270 | Open-Graded Dr Cse, 6 inch | 3030006 | 353,116.000 | Syd |
| 4280 | _ Open-Graded Dr Cse, Special | 3037011 | 94,243.000 | Syd |
| 4290 | Geotextile, Separator | 3080005 | 352,592.000 | Syd |
| 4300 | Underdrain, Pipe, Open-Graded, 6 inch | 4040043 | 121,345.000 | Ft |
| 4310 | Joint, Contraction, Cp | 6020200 | 159,632.000 | Ft |
| 4320 | Joint, Contraction, C3p | 6020201 | 53,696.000 | Ft |
| 4330 | Joint, Expansion, E2 | 6020207 | 640.000 | Ft |
| 4340 | Joint, Expansion, E4 | 6020209 | 307.000 | Ft |
| 4350 | Conc Quality Initiative | 6020401 | 485,260.000 | Dlr |
| 4360 | Conc Pavt, Nonreinf, 10 inch, High Performance | 6020504 | 172,055.000 | Syd |
| 4370 | Conc Pavt, Misc, Nonreinf, 8 inch, High Performance | 6020512 | 33,712.000 | Syd |
| 4380 | Conc Pavt, Misc, Nonreinf, 10 inch, High Performance | 6020516 | 23,199.000 | Syd |
| 4390 | Shoulder, Nonreinf Conc, High Performance | 6020524 | 103,096.000 | Syd |
| 4400 | Curb and Gutter, Conc, Det F3 | 8020037 | 1,428.000 | Ft |
| 4410 | Curb and Gutter, Conc, Det F4 | 8020038 | 6,671.000 | Ft |
| 4420 | Curb and Gutter, Conc, Det F5 | 8020039 | 125.000 | Ft |
| 4430 | Rem Curing Compound, for Longit Mrkg, 6 inch | 8110308 | 181,368.000 | Ft |

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|------|----------------------------------------------------------|---------|-------------|----|
| 4440 | Rem Curing Compound, for Longit Mrkg, 12 inch | 8110310 | 11,725.000 | Ft |
| 4450 | Pavt Mrkg, Ovly Cold Plastic, 6 inch, Shadow Tape, Black | 8110389 | 6,838.000 | Ft |
| 4460 | Recessing Pavt Mrkg, Longit | 8110450 | 190,760.000 | Ft |
| 4470 | Shoulder Corrugations, Ground or Cut, Conc | 8220000 | 119,037.000 | Ft |

Section: 4

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|------|---------------------------------------------------------------------------|---------|-------------|------|
| 4480 | Structures, Rem (C01 of 23081) | 2040060 | 1.000 | LSUM |
| 4490 | Structures, Rem Portions (S01 of 33044) | 2040061 | 1.000 | LSUM |
| 4500 | Structures, Rem Portions (S15 of 33044) | 2040061 | 1.000 | LSUM |
| 4510 | Embankment, Structure, CIP | 2050012 | 160.000 | Cyd |
| 4520 | Aggregate, 6A | 2060001 | 68.000 | Cyd |
| 4530 | Backfill, Structure, CIP | 2060002 | 5,667.000 | Cyd |
| 4540 | Excavation, Fdn | 2060010 | 6,713.000 | Cyd |
| 4550 | Underdrain, Fdn, 4 inch | 4040031 | 268.000 | Ft |
| 4560 | Underdrain, Fdn, 6 inch | 4040033 | 530.000 | Ft |
| 4570 | Culv Bedding, Box Culv | 4060005 | 144.000 | Cyd |
| 4580 | _ Culv, Precast Conc Box, 18 foot by 12 foot | 4067001 | 99.000 | Ft |
| 4590 | Cofferdams, Left in Place (C01 of 23081) | 7040009 | 1.000 | LSUM |
| 4600 | Bridge Ltg, Furn and Rem (S01 of 33044) | 7060001 | 1.000 | LSUM |
| 4610 | Bridge Ltg, Furn and Rem (S07 of 23081) | 7060001 | 1.000 | LSUM |
| 4620 | Bridge Ltg, Furn and Rem (S08 of 23081) | 7060001 | 1.000 | LSUM |
| 4630 | Bridge Ltg, Furn and Rem (S15 of 33044) | 7060001 | 1.000 | LSUM |
| 4640 | Bridge Ltg, Furn and Rem (S17 of 33044) | 7060001 | 1.000 | LSUM |
| 4650 | Bridge Ltg, Oper and Maintain | 7060002 | 952.000 | Cyd |
| 4660 | Conc, Grade D | 7060010 | 5.000 | Cyd |
| 4670 | Expansion Joint Device | 7060050 | 1,173.000 | Ft |
| 4680 | False Decking | 7060060 | 35,864.000 | Sft |
| 4690 | Reinforcement, Steel, Epoxy Coated | 7060092 | 269,922.000 | Lb |
| 4700 | Substructure Conc, High Performance | 7060101 | 52.000 | Cyd |
| 4710 | Superstructure Conc, Form, Finish, and Cure, Night Casting (S01 of 33044) | 7060112 | 1.000 | LSUM |
| 4720 | Superstructure Conc, Form, Finish, and Cure, Night Casting (S07 of 23081) | 7060112 | 1.000 | LSUM |
| 4730 | Superstructure Conc, Form, Finish, and Cure, Night Casting (S08 of 23081) | 7060112 | 1.000 | LSUM |
| 4740 | Superstructure Conc, Form, Finish, and Cure, Night Casting (S15 of 33044) | 7060112 | 1.000 | LSUM |
| 4750 | Superstructure Conc, Form, Finish, and Cure, Night Casting (S17 of 33044) | 7060112 | 1.000 | LSUM |
| 4760 | Superstructure Conc, Night Casting, High Performance | 7060117 | 952.000 | Cyd |
| 4770 | _ Conc, Deck Joint Replacement | 7067021 | 61.000 | Cyd |
| 4780 | _ Conc, Deck Surface Repr | 7067021 | 205.000 | Cyd |
| 4790 | Bearing, Elastomeric, 1 inch | 7070012 | 1,307.000 | Sin |
| 4800 | Bushing | 7070030 | 8.000 | Ea |
| 4810 | Shear Developers (S01 of 33044) | 7070040 | 1.000 | LSUM |
| 4820 | Shear Developers (S07 of 23081) | 7070040 | 1.000 | LSUM |

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|------|------------------------------------------------------------|---------|------------|------|
| 4830 | Shear Developers (S08 of 23081) | 7070040 | 1.000 | LSUM |
| 4840 | Shear Developers (S15 of 33044) | 7070040 | 1.000 | LSUM |
| 4850 | Shear Developers (S17 of 33044) | 7070040 | 1.000 | LSUM |
| 4860 | Joint Waterproofing | 7100001 | 521.000 | Sft |
| 4870 | Membrane, Preformed Waterproofing | 7100008 | 4,387.000 | Sft |
| 4880 | Conc Surface Coating, Warranty (S01 of 33044) | 7100009 | 1.000 | LSUM |
| 4890 | Conc Surface Coating, Warranty (S03 of 23081) | 7100009 | 1.000 | LSUM |
| 4900 | Conc Surface Coating, Warranty (S04 of 23081) | 7100009 | 1.000 | LSUM |
| 4910 | Conc Surface Coating, Warranty (S07 of 23081) | 7100009 | 1.000 | LSUM |
| 4920 | Conc Surface Coating, Warranty (S08 of 23081) | 7100009 | 1.000 | LSUM |
| 4930 | Conc Surface Coating, Warranty (S15 of 33044) | 7100009 | 1.000 | LSUM |
| 4940 | Conc Surface Coating, Warranty (S17 of 33044) | 7100009 | 1.000 | LSUM |
| 4950 | Substructure Horizontal Surface Sealer (S01 of 23081) | 7100030 | 14.000 | Syd |
| 4960 | Substructure Horizontal Surface Sealer (S02 of 23081) | 7100030 | 12.000 | Syd |
| 4970 | Substructure Horizontal Surface Sealer (S03 of 23152) | 7100030 | 35.000 | Syd |
| 4980 | Substructure Horizontal Surface Sealer (S05 of 23081) | 7100030 | 13.000 | Syd |
| 4990 | Substructure Horizontal Surface Sealer (S05 of 23152) | 7100030 | 35.000 | Syd |
| 5000 | Substructure Horizontal Surface Sealer (S15 of 33044) | 7100030 | 66.000 | Syd |
| 5010 | _ Silane Treatment | 7107010 | 22,397.000 | Sft |
| 5020 | Reflective Marker, Permanent Barrier | 7110003 | 78.000 | Ea |
| 5030 | Bridge Railing, Aesthetic, Type 6, Det 2, High Performance | 7110056 | 1,367.000 | Ft |
| 5040 | Bridge Railing, Aesthetic, Type 7, Det 2 High Performance | 7110058 | 872.000 | Ft |
| 5050 | Hand Chipping, Deep | 7120004 | 10.000 | Syd |
| 5060 | Hand Chipping, Other Than Deck | 7120007 | 722.000 | Cft |
| 5070 | Patch, Forming | 7120017 | 2,586.000 | Sft |
| 5080 | Epoxy Ovly | 7120020 | 1,824.000 | Syd |
| 5090 | Epoxy Ovly, Rem | 7120021 | 2,013.000 | Syd |
| 5100 | Epoxy Ovly, Warranty | 7120022 | 5,618.000 | Syd |
| 5110 | Structures, Rehabilitation, Rem Portions (S03 of 23152) | 7120070 | 1.000 | LSUM |
| 5120 | Structures, Rehabilitation, Rem Portions (S05 of 23081) | 7120070 | 1.000 | LSUM |
| 5130 | Structures, Rehabilitation, Rem Portions (S05 of 23152) | 7120070 | 1.000 | LSUM |
| 5140 | Structures, Rehabilitation, Rem Portions (S07 of 23081) | 7120070 | 1.000 | LSUM |
| 5150 | Structures, Rehabilitation, Rem Portions (S08 of 23081) | 7120070 | 1.000 | LSUM |
| 5160 | Structures, Rehabilitation, Rem Portions (S17 of 33044) | 7120070 | 1.000 | LSUM |
| 5170 | Deck Joint, Rem | 7120071 | 496.000 | Ft |
| 5180 | Bridge Joints, Clean and Seal (S01 of 23081) | 7120095 | 1.000 | LSUM |
| 5190 | Bridge Joints, Clean and Seal (S02 of 23081) | 7120095 | 1.000 | LSUM |
| 5200 | Bridge Joints, Clean and Seal (S03 of 23081) | 7120095 | 1.000 | LSUM |
| 5210 | Bridge Joints, Clean and Seal (S04 of 23081) | 7120095 | 1.000 | LSUM |
| 5220 | Bridge Joints, Clean and Seal (S06 of 23081) | 7120095 | 1.000 | LSUM |

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|------|-----------------------------------------------------------|---------|-----------|------|
| 5230 | Bridge Joints, Clean and Seal (S09 of 23081) | 7120095 | 1.000 | LSUM |
| 5240 | Bridge Joints, Clean and Seal (S17 of 33044) | 7120095 | 1.000 | LSUM |
| 5250 | Flushing Cracks, Water | 7120098 | 927.000 | Ft |
| 5260 | Structural Crack, Repr | 7120099 | 1,727.000 | Ft |
| 5270 | Top Flanges and Beam Ends, Clean and Coat | 7120100 | 522.000 | Syd |
| 5280 | Patching Conc, C-L | 7120112 | 39.000 | Cyd |
| 5290 | Embedded Galvanic Anode | 7120120 | 7,317.000 | Ea |
| 5300 | _ Hand Chipping, Special | 7127010 | 465.000 | Sft |
| 5310 | _ Beam End Repair, Latex Modified Conc | 7127020 | 120.000 | Cft |
| 5320 | Beam Plate, Seal Perimeter | 7130010 | 1,281.000 | Ft |
| 5330 | Hanger Assembly, Field Measurement | 7130030 | 4.000 | Ea |
| 5340 | Hanger Assembly, Rem and Erect | 7130031 | 4.000 | Ea |
| 5350 | Heat Straightening Steel (S14 of 23081) | 7130040 | 1.000 | LSUM |
| 5360 | Rocker, Realign | 7130050 | 6.000 | Ea |
| 5370 | Stiffeners, Furn, Fab, and Erect | 7130060 | 491.000 | Lb |
| 5380 | Structural Steel, Furn and Fab, Pin and Hanger | 7130070 | 1,035.000 | Lb |
| 5390 | Structural Steel, Retrofit, Furn, Fab, and Erect | 7130071 | 1,136.000 | Lb |
| 5400 | Structural Steel, Welded Repair, Furn, Fab, and Erect | 7130072 | 302.000 | Lb |
| 5410 | Support, Column, Temp | 7130080 | 76.000 | Ea |
| 5420 | Support, Suspension, Temp | 7130082 | 1.000 | Ea |
| 5430 | _ Pack Rust Repair | 7137010 | 10.000 | Sft |
| 5440 | Steel Structure, Cleaning, Type 4 (S03 of 23081) | 7150045 | 1.000 | LSUM |
| 5450 | Steel Structure, Cleaning, Type 4 (S04 of 23081) | 7150045 | 1.000 | LSUM |
| 5460 | Steel Structure, Cleaning, Type 4 (S05 of 23081) | 7150045 | 1.000 | LSUM |
| 5470 | Steel Structure, Cleaning, Type 4 (S14 of 23081) | 7150045 | 1.000 | LSUM |
| 5480 | Steel Structure, Coating, Type 4 (S03 of 23081) | 7150046 | 1.000 | LSUM |
| 5490 | Steel Structure, Coating, Type 4 (S04 of 23081) | 7150046 | 1.000 | LSUM |
| 5500 | Steel Structure, Coating, Type 4 (S05 of 23081) | 7150046 | 1.000 | LSUM |
| 5510 | Steel Structure, Coating, Type 4 (S14 of 23081) | 7150046 | 1.000 | LSUM |
| 5520 | Steel Structure, Cleaning, Partial, Type 4 (S01 of 23081) | 7150047 | 1.000 | LSUM |
| 5530 | Steel Structure, Cleaning, Partial, Type 4 (S06 of 23081) | 7150047 | 1.000 | LSUM |
| 5540 | Steel Structure, Cleaning, Partial, Type 4 (S09 of 23081) | 7150047 | 1.000 | LSUM |
| 5550 | Steel Structure, Cleaning, Partial, Type 4 (S15 of 33044) | 7150047 | 1.000 | LSUM |
| 5560 | Steel Structure, Coating, Partial, Type 4 (S01 of 23081) | 7150048 | 1.000 | LSUM |
| 5570 | Steel Structure, Coating, Partial, Type 4 (S06 of 23081) | 7150048 | 1.000 | LSUM |
| 5580 | Steel Structure, Coating, Partial, Type 4 (S09 of 23081) | 7150048 | 1.000 | LSUM |
| 5590 | Steel Structure, Coating, Partial, Type 4 (S15 of 33044) | 7150048 | 1.000 | LSUM |
| 5600 | Slope Paving Header | 8130015 | 422.000 | Ft |
| 5610 | Slope Paving, Conc | 8130020 | 793.000 | Syd |

Section: 5

| | | | | |
|------|--------------------------------------------------------------------------|---------|-----------|-----|
| 5620 | _ Calendar Days of Contract Time for Opening to Traffic, Eastbound I-496 | 1027060 | 8,400.000 | Dir |
| 5630 | _ Calendar Days of Contract Time for Opening to Traffic, Westbound I-496 | 1027060 | 8,400.000 | Dir |



Schedule of Pay Items

Report v1

Letting Call: 200221 902

Letting Date: February 21, 2020

Contract ID: 63112-121505

Description: 4.71 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk ramps, bridge rehabilitation, epoxy overlay, deck patching, joint replacement, sidewalk widening, concrete surface coating and pavement markings on M-24 from south of Goldengate Street to north of Harriet Street in the village of Oxford, Oakland County. This project includes two 5 year materials and workmanship pavement warranties, a 5 year performance warranty for thin epoxy polymer bridge deck overlay and a 2 year warranty for concrete surface coating. This is an On-the-Job-Training Voluntary Incentive Program pilot project. See unique special provision for additional information.

Project Information

| Project Number | Federal Project Number | Federal Item Number | Control Section |
|----------------|------------------------|---------------------|-----------------|
| 121505A | 20A0293 | N/A | NH 63112 |
| 200386A | 20A0288 | N/A | NH 63112 |

List of Items by Section

| Line Num | Item Description | Item ID | Quantity | Units |
|-------------------|------------------------------------------------------|---------|------------|-------|
| Section: 1 | | | | |
| 0010 | Dispute Review Board, Hearing | 1040010 | 3,750.000 | Dlr |
| 0020 | Dispute Review Board, Hearing, Additional Day | 1040020 | 1,500.000 | Dlr |
| 0030 | Dispute Review Board, Appeal Hearing | 1040030 | 3,750.000 | Dlr |
| 0040 | Dispute Review Board, Appeal Hearing, Additional Day | 1040040 | 1,500.000 | Dlr |
| 0050 | Dispute Review Board, Progress Meeting | 1040050 | 35,000.000 | Dlr |
| 0060 | Critical Path Method Schedule | 1080005 | 15,000.000 | Dlr |
| 0070 | Mobilization, Max \$2,435,600.00 | 1500001 | 1.000 | LSUM |
| 0080 | Tree, Rem, 6 inch to 18 inch | 2020004 | 12.000 | Ea |
| 0090 | Culv, Rem, Less than 24 inch | 2030001 | 5.000 | Ea |
| 0100 | Culv, End, Rem, 24 inch to 48 inch | 2030006 | 1.000 | Ea |
| 0110 | Dr Structure, Rem | 2030011 | 131.000 | Ea |
| 0120 | Sewer, Rem, Less than 24 inch | 2030015 | 7,790.000 | Ft |
| 0130 | Sewer, Rem, 24 inch to 48 inch | 2030016 | 7,534.000 | Ft |
| 0140 | Curb and Gutter, Rem | 2040020 | 23,323.000 | Ft |
| 0150 | Guardrail, Rem | 2040035 | 2,618.000 | Ft |
| 0160 | Masonry and Conc Structure, Rem | 2040045 | 51.000 | Cyd |
| 0170 | Pavt, Rem | 2040050 | 62,417.000 | Syd |
| 0180 | Sidewalk, Rem | 2040055 | 7,944.000 | Syd |
| 0190 | Utility Pole, Rem | 2040070 | 6.000 | Ea |
| 0200 | Exploratory Investigation, Vertical | 2040080 | 420.000 | Ft |
| 0210 | _ Timber Wall, Rem | 2047001 | 180.000 | Ft |
| 0220 | _ Brick, Rem and Salv | 2047010 | 58.000 | Sft |
| 0230 | _ Pavt, Rem, Special | 2047011 | 13,474.000 | Syd |

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|------|---------------------------------------------------------|---------|------------|------|
| 0240 | _ Sidewalk, Rem, Special | 2047011 | 3,602.000 | Syd |
| 0250 | Embankment, CIP | 2050010 | 11,196.000 | Cyd |
| 0260 | Excavation, Earth | 2050016 | 85,739.000 | Cyd |
| 0270 | Non Haz Contaminated Material Handling and Disposal, LM | 2050031 | 300.000 | Cyd |
| 0280 | Subgrade Undercutting, Type II | 2050041 | 1,000.000 | Cyd |
| 0290 | Erosion Control, Check Dam, Stone | 2080012 | 520.000 | Ft |
| 0300 | Erosion Control, Gravel Access Approach | 2080016 | 6.000 | Ea |
| 0310 | Erosion Control, Inlet Protection, Fabric Drop | 2080020 | 395.000 | Ea |
| 0320 | Erosion Control, Inlet Protection, Sediment Trap | 2080024 | 215.000 | Ea |
| 0330 | Erosion Control, Maintenance, Sediment Removal | 2080026 | 236.000 | Cyd |
| 0340 | Erosion Control, Sediment Trap | 2080034 | 51.000 | Ea |
| 0350 | Erosion Control, Silt Fence | 2080036 | 19,869.000 | Ft |
| 0360 | Erosion Control, Turbidity Curtain, Shallow | 2080044 | 550.000 | Ft |
| 0370 | Project Cleanup | 2090001 | 1.000 | LSUM |
| 0380 | Subbase, CIP | 3010002 | 25,090.000 | Cyd |
| 0390 | Aggregate Base, LM | 3020002 | 80.000 | Cyd |
| 0400 | Aggregate Base, 4 inch | 3020010 | 3,716.000 | Syd |
| 0410 | Aggregate Base, 6 inch | 3020016 | 38,597.000 | Syd |
| 0420 | Aggregate Base, 8 inch | 3020020 | 511.000 | Syd |
| 0430 | Aggregate Base, 10 inch | 3020026 | 11,849.000 | Syd |
| 0440 | _ Aggregate Base, 3.5 inch | 3027011 | 1,400.000 | Syd |
| 0450 | _ Aggregate Base, 7.5 inch | 3027011 | 593.000 | Syd |
| 0460 | _ Open-Graded Dr Cse, 16 inch | 3037011 | 70,545.000 | Syd |
| 0470 | Aggregate Surface Cse, 6 inch | 3060010 | 146.000 | Syd |
| 0480 | Aggregate Surface Cse, 8 inch | 3060012 | 38.000 | Syd |
| 0490 | _ Intersection Maintenance | 3067050 | 22.000 | Ea |
| 0500 | Shoulder, CI II, 6 inch | 3070128 | 90.000 | Syd |
| 0510 | Shoulder, CI II, 6 inch, Temp | 3070183 | 62.000 | Syd |
| 0520 | _ Shoulder, CI II, 3.5 inch | 3077011 | 3,860.000 | Syd |
| 0530 | Geotextile, Separator | 3080005 | 75,870.000 | Syd |
| 0540 | Geotextile, Stabilization | 3080010 | 100.000 | Syd |
| 0550 | Culv End Sect, 12 inch | 4010012 | 2.000 | Ea |
| 0560 | Culv End Sect, 18 inch | 4010018 | 11.000 | Ea |
| 0570 | Culv End Sect, 24 inch | 4010024 | 2.000 | Ea |
| 0580 | Culv End Sect, 30 inch | 4010030 | 1.000 | Ea |
| 0590 | Culv, CI E, 12 inch | 4010539 | 50.000 | Ft |
| 0600 | Culv, CI E, 18 inch | 4010541 | 330.000 | Ft |
| 0610 | Culv, CI F, 12 inch | 4010607 | 156.000 | Ft |
| 0620 | Culv, CI F, 24 inch | 4010610 | 48.000 | Ft |
| 0630 | _ Culv Cleanout | 4017001 | 359.000 | Ft |
| 0640 | _ Cured-In-Place Pipe Lining, 12 inch | 4017001 | 322.000 | Ft |
| 0650 | _ Cured-In-Place Pipe Lining, 15 inch | 4017001 | 245.000 | Ft |
| 0660 | Sewer, CI A, 12 inch, Tr Det B | 4020033 | 6,569.000 | Ft |
| 0670 | Sewer, CI A, 15 inch, Tr Det B | 4020034 | 568.000 | Ft |

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|------|-----------------------------------------------------------|---------|------------|-----|
| 0680 | Sewer, CI A, 18 inch, Tr Det B | 4020035 | 724.000 | Ft |
| 0690 | Sewer, CI A, 24 inch, Tr Det B | 4020036 | 903.000 | Ft |
| 0700 | Sewer, CI A, 30 inch, Tr Det B | 4020037 | 42.000 | Ft |
| 0710 | Sewer, CI A, 36 inch, Tr Det B | 4020038 | 3,602.000 | Ft |
| 0720 | Sewer, CI A, 42 inch, Tr Det B | 4020039 | 3,595.000 | Ft |
| 0730 | Sewer, CI A, 12 inch, Tr Det C | 4020063 | 73.000 | Ft |
| 0740 | Sewer, CI A, 24 inch, Tr Det C | 4020066 | 53.000 | Ft |
| 0750 | Sewer, CI B, 24 inch, Tr Det C | 4020216 | 328.000 | Ft |
| 0760 | Sewer, CI E, 12 inch, Tr Det B | 4020600 | 1,023.000 | Ft |
| 0770 | Sewer, CI E, 15 inch, Tr Det B | 4020601 | 195.000 | Ft |
| 0780 | Sewer, CI E, 18 inch, Tr Det B | 4020602 | 40.000 | Ft |
| 0790 | Sewer, CI E, 24 inch, Tr Det B | 4020603 | 200.000 | Ft |
| 0800 | Sewer, CI E, 24 inch, Tr Det C | 4020633 | 46.000 | Ft |
| 0810 | Sewer Bulkhead, 15 inch | 4021231 | 3.000 | Ea |
| 0820 | Sewer Bulkhead, 24 inch | 4021234 | 2.000 | Ea |
| 0830 | Trench Undercut and Backfill | 4021260 | 200.000 | Cyd |
| 0840 | Video Taping Sewer and Culv Pipe | 4021275 | 14,515.000 | Ft |
| 0850 | Dr Structure Cover, Adj, Case 1, Modified | 4030004 | 255.000 | Ea |
| 0860 | Dr Structure Cover, Adj, Case 2 | 4030006 | 31.000 | Ea |
| 0870 | Dr Structure Cover, Type B | 4030010 | 150.000 | Ea |
| 0880 | Dr Structure Cover, Type D | 4030025 | 34.000 | Ea |
| 0890 | Dr Structure Cover, Type G | 4030040 | 7.000 | Ea |
| 0900 | Dr Structure Cover, Type J | 4030045 | 2.000 | Ea |
| 0910 | Dr Structure Cover, Type K | 4030050 | 325.000 | Ea |
| 0920 | Dr Structure Cover, Type Q | 4030065 | 32.000 | Ea |
| 0930 | Dr Structure Cover, Type R | 4030070 | 8.000 | Ea |
| 0940 | Dr Structure Lead, Cleaning, 12 inch | 4030112 | 64.000 | Ft |
| 0950 | Dr Structure Lead, Cleaning, 15 inch | 4030115 | 436.000 | Ft |
| 0960 | Dr Structure Lead, Cleaning, 18 inch | 4030118 | 273.000 | Ft |
| 0970 | Dr Structure Lead, Cleaning, 24 inch | 4030124 | 142.000 | Ft |
| 0980 | Dr Structure, 24 inch dia | 4030200 | 140.000 | Ea |
| 0990 | Dr Structure, 48 inch dia | 4030210 | 123.000 | Ea |
| 1000 | Dr Structure, 60 inch dia | 4030220 | 44.000 | Ea |
| 1010 | Dr Structure, 72 inch dia | 4030230 | 22.000 | Ea |
| 1020 | Dr Structure, 84 inch dia | 4030231 | 6.000 | Ea |
| 1030 | Dr Structure, Add Depth of 84 inch dia, 8 foot to 15 foot | 4030232 | 15.000 | Ft |
| 1040 | Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot | 4030250 | 3.000 | Ft |
| 1050 | Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot | 4030260 | 70.000 | Ft |
| 1060 | Dr Structure, Add Depth of 60 inch dia, more than 15 foot | 4030261 | 1.000 | Ft |
| 1070 | Dr Structure, Add Depth of 72 inch dia, 8 foot to 15 foot | 4030270 | 37.000 | Ft |
| 1080 | Dr Structure, Adj, Add Depth | 4030280 | 60.000 | Ft |
| 1090 | Dr Structure, Cleaning | 4030290 | 1.000 | Ea |

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|------|-----------------------------------------------------|---------|-------------|-----|
| 1100 | Dr Structure, Tap, 6 inch | 4030306 | 16.000 | Ea |
| 1110 | Dr Structure, Tap, 12 inch | 4030312 | 17.000 | Ea |
| 1120 | Dr Structure, Tap, 18 inch | 4030318 | 6.000 | Ea |
| 1130 | Dr Structure, Tap, 24 inch | 4030324 | 2.000 | Ea |
| 1140 | Dr Structure, Temp Lowering | 4030390 | 1.000 | Ea |
| 1150 | _ Dr Structure Lead, Cleaning, 27 inch | 4037001 | 196.000 | Ft |
| 1160 | Underdrain, Pipe, Open-Graded, 6 inch | 4040043 | 30,392.000 | Ft |
| 1170 | Underdrain, Subgrade, 6 inch | 4040073 | 2,461.000 | Ft |
| 1180 | Underdrain, Subgrade, Open-Graded, 4 inch | 4040081 | 578.000 | Ft |
| 1190 | Underdrain Outlet, 4 inch | 4040091 | 441.000 | Ft |
| 1200 | Underdrain Outlet, 6 inch | 4040093 | 2,234.000 | Ft |
| 1210 | Underdrain, Outlet Ending, 6 inch | 4040113 | 9.000 | Ea |
| 1220 | _ Underdrain, Pipe, Open-Graded, 12 inch, Special | 4047001 | 170.000 | Ft |
| 1230 | Cold Milling HMA Surface | 5010002 | 178,050.000 | Syd |
| 1240 | HMA Surface, Rem | 5010005 | 83,837.000 | Syd |
| 1250 | HMA Quality Initiative | 5010007 | 130,366.000 | Dlr |
| 1260 | Pavt for Butt Joints, Rem | 5010008 | 896.000 | Syd |
| 1270 | Longitudinal Joint Density Quality Initiative | 5010018 | 217,730.000 | Dlr |
| 1280 | Pavt Joint and Crack Repr, Det 7 | 5010020 | 12,108.000 | Ft |
| 1290 | Hand Patching | 5010025 | 931.000 | Ton |
| 1300 | HMA, 3E10 | 5010046 | 12,042.000 | Ton |
| 1310 | HMA, 4E3 | 5010051 | 673.000 | Ton |
| 1320 | HMA, 5E3 | 5010057 | 507.000 | Ton |
| 1330 | HMA, 5E10 | 5010058 | 366.000 | Ton |
| 1340 | HMA Approach | 5010061 | 6,715.000 | Ton |
| 1350 | HMA, 4E10, High Stress | 5010510 | 17,626.000 | Ton |
| 1360 | HMA, 5E10, High Stress | 5010516 | 12,852.000 | Ton |
| 1370 | HMA Approach, High Stress | 5010520 | 6,128.000 | Ton |
| 1380 | HMA, LVSP | 5010703 | 7,343.000 | Ton |
| 1390 | HMA, Temp Pavt (LVSP) | 5020807 | 115.000 | Ton |
| 1400 | Conc Base Cse, Nonreinf, 9 inch | 6020021 | 1,740.000 | Syd |
| 1410 | Conc Pavt, Misc, Nonreinf, 8 inch | 6020054 | 658.000 | Syd |
| 1420 | Conc Pavt with Integral Curb, Nonreinf, 8 inch | 6020164 | 92.000 | Syd |
| 1430 | Lane Tie, Epoxy Anchored | 6030030 | 1,284.000 | Ea |
| 1440 | Pavt Repr, Nonreinf Conc, 10 inch | 6030048 | 26.000 | Syd |
| 1450 | Pavt Repr, Rem | 6030080 | 26.000 | Syd |
| 1460 | Saw Cut, Intermediate | 6030090 | 64.000 | Ft |
| 1470 | _ High Performance Biaxial Geogrid | 7007011 | 310.000 | Syd |
| 1480 | Steel Sheet Piling, Temp | 7040002 | 15,000.000 | Sft |
| 1490 | Conc Pavt, Bridge Approach, Reinf, High Performance | 7060003 | 267.000 | Syd |
| 1500 | Conc, Grade S2 | 7060011 | 14.000 | Cyd |
| 1510 | Conduit, 3 inch, Placed | 7060031 | 114.000 | Ft |
| 1520 | Reinforcement, Steel | 7060090 | 540.000 | Lb |
| 1530 | Reinforcement, Steel, Culv and Headwall | 7060091 | 688.000 | Lb |
| 1540 | _ Timber Curb | 7097001 | 180.000 | Ft |

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|------|-------------------------------------------------------------------|---------|------------|------|
| 1550 | _ Joint Sealant | 8007001 | 1,495.000 | Ft |
| 1560 | _ Pedestrian Path, Temp | 8007001 | 2,000.000 | Ft |
| 1570 | _ Planter Curb | 8007001 | 497.000 | Ft |
| 1580 | _ Sanitary Sewer, Conc, 18 inch, Tr Det B1 | 8007001 | 7,065.000 | Ft |
| 1590 | _ Sanitary Structure, Add Depth of 48 inch dia, 8 foot to 15 foot | 8007001 | 106.000 | Ft |
| 1600 | _ Sanitary Structure, Add Depth of 48 inch dia, more than 15 foot | 8007001 | 21.000 | Ft |
| 1610 | _ Sanitary Structure, Add Depth of 72 inch dia, 8 foot to 15 foot | 8007001 | 7.000 | Ft |
| 1620 | _ Sanitary Structure, Add Depth of 72 inch dia, more than 15 foot | 8007001 | 9.000 | Ft |
| 1630 | _ Permeable Conc Pavers on Permeable Setting Bed | 8007010 | 2,018.000 | Sft |
| 1640 | _ Permeable Concrete Pavers on Aggregate and Sand Bed | 8007010 | 5,200.000 | Sft |
| 1650 | _ Managed Field Ethernet Switch, Fiber Capable | 8007050 | 6.000 | Ea |
| 1660 | _ Pedestrian Ramp, Temp | 8007050 | 86.000 | Ea |
| 1670 | _ Roadside Unit, Intersection | 8007050 | 5.000 | Ea |
| 1680 | _ Sanitary Structure Cover, Type Q | 8007050 | 62.000 | Ea |
| 1690 | _ Sanitary Structure, 48 inch dia | 8007050 | 19.000 | Ea |
| 1700 | _ Sanitary Structure, 72 inch dia | 8007050 | 1.000 | Ea |
| 1710 | _ Automated Irrigation System | 8007051 | 1.000 | LSUM |
| 1720 | _ Vibration Monitoring | 8007051 | 1.000 | LSUM |
| 1730 | Driveway, Nonreinf Conc, 8 inch | 8010007 | 3,806.000 | Syd |
| 1740 | Curb, Conc, Det E2 | 8020002 | 152.000 | Ft |
| 1750 | Curb and Gutter, Conc, Det B1 | 8020015 | 149.000 | Ft |
| 1760 | Curb and Gutter, Conc, Det B2 | 8020016 | 4,573.000 | Ft |
| 1770 | Curb and Gutter, Conc, Det D2 | 8020031 | 1,771.000 | Ft |
| 1780 | Curb and Gutter, Conc, Det F2 | 8020036 | 93.000 | Ft |
| 1790 | Curb and Gutter, Conc, Det F3 | 8020037 | 2,084.000 | Ft |
| 1800 | Curb and Gutter, Conc, Det F4 | 8020038 | 16,094.000 | Ft |
| 1810 | Curb and Gutter, Conc, Det F5 | 8020039 | 1,165.000 | Ft |
| 1820 | Curb and Gutter, Conc, Det F6 | 8020040 | 12,110.000 | Ft |
| 1830 | Driveway Opening, Conc, Det M | 8020050 | 11,644.000 | Ft |
| 1840 | Shoulder Gutter, Conc, Det 2 | 8020056 | 5.000 | Ea |
| 1850 | Shoulder Gutter, Conc, Det 3 | 8020057 | 6.000 | Ea |
| 1860 | Spillway, Conc | 8020075 | 127.000 | Ft |
| 1870 | _ Curb and Gutter, Conc, Det F1, Modified | 8027001 | 807.000 | Ft |
| 1880 | _ Curb and Gutter, Conc, Det F3, Modified | 8027001 | 1,105.000 | Ft |
| 1890 | _ Curb and Gutter, Conc, Det F4, Modified | 8027001 | 1,252.000 | Ft |
| 1900 | _ Curb and Gutter, Conc, Det F5, Modified | 8027001 | 2,293.000 | Ft |
| 1910 | _ Curb and Gutter, Conc, Det F6, Modified | 8027001 | 569.000 | Ft |
| 1920 | _ Shoulder Gutter, Conc, Det 2, Modified | 8027050 | 1.000 | Ea |
| 1930 | _ Shoulder Gutter, Conc, Det 3, Modified | 8027050 | 2.000 | Ea |
| 1940 | Detectable Warning Surface | 8030010 | 1,000.000 | Ft |
| 1950 | Curb Ramp Opening, Conc | 8030030 | 1,439.000 | Ft |
| 1960 | Sidewalk Ramp, Conc, 6 inch | 8030036 | 15,221.000 | Sft |

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|------|-----------------------------------------------------|---------|------------|-----|
| 1970 | Sidewalk, Conc, 4 inch | 8030044 | 64,369.000 | Sft |
| 1980 | Sidewalk, Conc, 6 inch | 8030046 | 6,450.000 | Sft |
| 1990 | Sidewalk, Conc, 8 inch | 8030048 | 32,881.000 | Sft |
| 2000 | Sidewalk, Clay Brick Pavers, Rem | 8030051 | 362.000 | Sft |
| 2010 | _ Brick Paver, Install Salv | 8037010 | 79.000 | Sft |
| 2020 | _ Conc Pavers, Rem and Salv | 8037010 | 240.000 | Sft |
| 2030 | _ Reinstall Conc Pavers on Aggregate and Sand Bed | 8037010 | 240.000 | Sft |
| 2040 | _ Sidewalk, Conc, 6.5 inch | 8037010 | 2,996.000 | Sft |
| 2050 | Shared use Path, Aggregate | 8060010 | 846.000 | Ton |
| 2060 | Shared use Path, Grading | 8060030 | 4,508.000 | Ft |
| 2070 | Shared use Path, HMA | 8060040 | 1,524.000 | Ton |
| 2080 | Guardrail, Type MGS-8 | 8070004 | 2,113.000 | Ft |
| 2090 | Guardrail Anch, Bridge, Det T4 | 8070025 | 4.000 | Ea |
| 2100 | Guardrail Approach Terminal, Type 2M | 8070044 | 4.000 | Ea |
| 2110 | Guardrail Departing Terminal, Type MGS | 8070052 | 4.000 | Ea |
| 2120 | Post, Mailbox | 8070095 | 13.000 | Ea |
| 2130 | Fence, Protective | 8080007 | 1,000.000 | Ft |
| 2140 | _ Ornamental Metal Fence | 8087001 | 396.000 | Ft |
| 2150 | Field Office, CI 1 | 8090001 | 10.000 | Mo |
| 2160 | Band, Sign | 8100010 | 39.000 | Ea |
| 2170 | Delineator Reflector, Red | 8100131 | 18.000 | Ea |
| 2180 | Delineator Reflector, Yellow | 8100132 | 56.000 | Ea |
| 2190 | Delineator Reflector, Green | 8100133 | 16.000 | Ea |
| 2200 | Delineator Reflector, White | 8100134 | 64.000 | Ea |
| 2210 | Fdn, Wood Support, Rem | 8100280 | 12.000 | Ea |
| 2220 | Installing MDOT Supplied Sign, Type III | 8100302 | 4.000 | Ea |
| 2230 | Post Hole Through Conc for Steel Post | 8100340 | 40.000 | Ea |
| 2240 | Post, Flexible, Delineator | 8100360 | 3.000 | Ea |
| 2250 | Post, Rigid, Delineator | 8100361 | 132.000 | Ea |
| 2260 | Post, Steel, 3 lb | 8100371 | 7,962.000 | Ft |
| 2270 | Post, Wood, 4 inch by 6 inch | 8100380 | 402.000 | Ft |
| 2280 | Post, Wood, 6 inch by 8 inch | 8100382 | 204.000 | Ft |
| 2290 | Sign, Type II, Rem | 8100397 | 12.000 | Ea |
| 2300 | Sign, Type IIA | 8100398 | 262.000 | Sft |
| 2310 | Sign, Type IIB | 8100399 | 152.000 | Sft |
| 2320 | Sign, Type III, Erect, Salv | 8100402 | 57.000 | Ea |
| 2330 | Sign, Type III, Rem | 8100403 | 545.000 | Ea |
| 2340 | Sign, Type IIIA | 8100404 | 812.000 | Sft |
| 2350 | Sign, Type IIIB | 8100405 | 1,628.000 | Sft |
| 2360 | Sign, Type VB | 8100425 | 298.000 | Sft |
| 2370 | Reflective Panel for Permanent Sign Support, 6 foot | 8100616 | 15.000 | Ea |
| 2380 | _ Gateway Element, Flexible Delineator | 8107050 | 6.000 | Ea |
| 2390 | _ Gateway Element, R1-6 Sign, Double-Sided | 8107050 | 12.000 | Ea |
| 2400 | _ Kiosk | 8107050 | 4.000 | Ea |
| 2410 | _ Sign, Gateway | 8107050 | 2.000 | Ea |

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|------|------------------------------------------------------------------------|---------|------------|------|
| 2420 | Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, White | 8110039 | 81.000 | Ft |
| 2430 | Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow | 8110040 | 889.000 | Ft |
| 2440 | Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym | 8110063 | 41.000 | Ea |
| 2450 | Pavt Mrkg, Ovly Cold Plastic, Only | 8110068 | 9.000 | Ea |
| 2460 | Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym | 8110071 | 44.000 | Ea |
| 2470 | Pavt Mrkg, Ovly Cold Plastic, School | 8110074 | 2.000 | Ea |
| 2480 | Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym | 8110077 | 6.000 | Ea |
| 2490 | Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym | 8110078 | 3.000 | Ea |
| 2500 | Pavt Mrkg, Polyurea, 6 inch, Crosswalk | 8110093 | 4,810.000 | Ft |
| 2510 | Pavt Mrkg, Polyurea, 12 inch, Crosswalk | 8110110 | 816.000 | Ft |
| 2520 | Pavt Mrkg, Polyurea, 12 inch, Yellow | 8110112 | 25.000 | Ft |
| 2530 | Pavt Mrkg, Polyurea, 24 inch, Stop Bar | 8110114 | 1,608.000 | Ft |
| 2540 | Pavt Mrkg, Sprayable Thermopl, 4 inch, White | 8110153 | 5,500.000 | Ft |
| 2550 | Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow | 8110154 | 35,000.000 | Ft |
| 2560 | Pavt Mrkg, Waterborne, 4 inch, White | 8110231 | 158.000 | Ft |
| 2570 | Pavt Mrkg, Waterborne, 4 inch, Yellow | 8110232 | 819.000 | Ft |
| 2580 | Rem Spec Mrkg | 8110343 | 967.000 | Sft |
| 2590 | Witness, Log, \$1,000.00 | 8110350 | 1,000.000 | Dlr |
| 2600 | Pavt Mrkg, Polyurea, For On-Street Parking, 4 inch, White | 8110420 | 2,040.000 | Ft |
| 2610 | Pavt Mrkg, Waterborne, For On-Street Parking, 4 inch, White | 8110425 | 45.000 | Ft |
| 2620 | Recessing Pavt Mrkg, Longit | 8110450 | 76,901.000 | Ft |
| 2630 | Recessing Pavt Mrkg, Transv | 8110451 | 482.000 | Sft |
| 2640 | Recessing Pavt Mrkg, Guide Line | 8110453 | 50.000 | Ft |
| 2650 | Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White | 8110500 | 19,281.000 | Ft |
| 2660 | Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White | 8110501 | 11,547.000 | Ft |
| 2670 | Pavt Mrkg, Wet Retrflec Polyurea, 8 inch, White | 8110502 | 330.000 | Ft |
| 2680 | Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, Yellow | 8110504 | 37,075.000 | Ft |
| 2690 | Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow | 8110505 | 10,619.000 | Ft |
| 2700 | Pavt Mrkg, Ovly Cold Plastic, 4 inch, Dotted Turning Guide Line, White | 8110560 | 35.000 | Ft |
| 2710 | _ Pavt Mrkg, Polyurea, Yield Triangle Sym | 8117050 | 64.000 | Ea |
| 2720 | Barricade, Type III, High Intensity, Double Sided, Lighted, Furn | 8120012 | 150.000 | Ea |
| 2730 | Barricade, Type III, High Intensity, Double Sided, Lighted, Oper | 8120013 | 150.000 | Ea |
| 2740 | Pedestrian Type II Barricade, Temp | 8120026 | 60.000 | Ea |
| 2750 | Pedestrian Type II Channelizer, Temp | 8120027 | 2,500.000 | Ft |
| 2760 | Channelizing Device, 42 inch, Fluorescent, Furn | 8120035 | 650.000 | Ea |
| 2770 | Channelizing Device, 42 inch, Fluorescent, Oper | 8120036 | 650.000 | Ea |
| 2780 | Lighted Arrow, Type C, Furn | 8120140 | 4.000 | Ea |
| 2790 | Lighted Arrow, Type C, Oper | 8120141 | 4.000 | Ea |
| 2800 | Ltg for Night Work | 8120160 | 1.000 | LSUM |
| 2810 | Minor Traf Devices | 8120170 | 1.000 | LSUM |

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|------|-------------------------------------------------------------------|---------|------------|------|
| 2820 | Mobile Attenuator | 8120180 | 1.000 | Ea |
| 2830 | Part Width Intersection Construction | 8120190 | 17.000 | Ea |
| 2840 | Pavt Mrkg, Longit, 6 inch or Less Width, Rem | 8120210 | 43,596.000 | Ft |
| 2850 | Pavt Mrkg, Type NR, Paint, 6 inch, Crosswalk | 8120215 | 930.000 | Ft |
| 2860 | Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar | 8120216 | 338.000 | Ft |
| 2870 | Pavt Mrkg, Type NR, Paint, Rt Turn Arrow | 8120218 | 3.000 | Ea |
| 2880 | Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp | 8120235 | 50,216.000 | Ft |
| 2890 | Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp | 8120236 | 77,200.000 | Ft |
| 2900 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp | 8120245 | 45,315.000 | Ft |
| 2910 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp | 8120246 | 63,790.000 | Ft |
| 2920 | Plastic Drum, Fluorescent, Furn | 8120252 | 850.000 | Ea |
| 2930 | Plastic Drum, Fluorescent, Oper | 8120253 | 850.000 | Ea |
| 2940 | Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Crosswalk | 8120255 | 2,155.000 | Ft |
| 2950 | Pavt Mrkg, Wet Reflective, Type R, Tape, Lt Turn Arrow | 8120257 | 23.000 | Ea |
| 2960 | Pavt Mrkg, Wet Reflective, Type R, Tape, Rt Turn Arrow | 8120258 | 19.000 | Ea |
| 2970 | Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar | 8120265 | 714.000 | Ft |
| 2980 | Sign Cover | 8120310 | 195.000 | Ea |
| 2990 | Sign, Portable, Changeable Message, NTCIP-Compliant, Furn | 8120332 | 10.000 | Ea |
| 3000 | Sign, Portable, Changeable Message, NTCIP-Compliant, Oper | 8120333 | 10.000 | Ea |
| 3010 | Sign, Type A, Temp, Prismatic, Furn | 8120340 | 685.000 | Sft |
| 3020 | Sign, Type A, Temp, Prismatic, Oper | 8120341 | 685.000 | Sft |
| 3030 | Sign, Type B, Temp, Prismatic, Furn | 8120350 | 6,400.000 | Sft |
| 3040 | Sign, Type B, Temp, Prismatic, Oper | 8120351 | 6,400.000 | Sft |
| 3050 | Sign, Type B, Temp, Prismatic, Spec, Furn | 8120352 | 2,555.000 | Sft |
| 3060 | Sign, Type B, Temp, Prismatic, Spec, Oper | 8120353 | 2,555.000 | Sft |
| 3070 | Traf Regulator Control | 8120370 | 1.000 | LSUM |
| 3080 | _ Pedestrian Barrier With Fence, Temp | 8127001 | 600.000 | Ft |
| 3090 | _ Driveway Maintenance | 8127050 | 72.000 | Ea |
| 3100 | _ Pavt Mrkg, Wet Reflective, Type R, Tape, ONLY | 8127050 | 13.000 | Ea |
| 3110 | _ Pavt Mrkg, Wet Reflective, Type R, Tape, Thru and Lt Turn Arrow | 8127050 | 6.000 | Ea |
| 3120 | _ Pavt Mrkg, Wet Reflective, Type R, Tape, Thru and Rt Turn Arrow | 8127050 | 1.000 | Ea |
| 3130 | _ Pavt Mrkg, Wet Reflective, Type R, Tape, Thru Arrow | 8127050 | 10.000 | Ea |
| 3140 | _ Speed Radar Trailer, Temp | 8127050 | 1.000 | Ea |
| 3150 | Riprap, Heavy | 8130005 | 20.000 | Syd |
| 3160 | Riprap, Plain | 8130010 | 30.000 | Syd |
| 3170 | _ Ditch Liner, 10 foot Width | 8137011 | 131.000 | Syd |
| 3180 | Site Preparation, Max \$9,800.00 | 8150001 | 1.000 | LSUM |
| 3190 | Watering and Cultivating, First Season, Min \$4,900.00 | 8150002 | 1.000 | LSUM |

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|------|------------------------------------------------------------|---------|------------|------|
| 3200 | Watering and Cultivating, Second Season, Min \$6,050.00 | 8150003 | 1.000 | LSUM |
| 3210 | Picea glauca, 4 foot | 8152757 | 16.000 | Ea |
| 3220 | Pinus nigra, 4 foot | 8152841 | 16.000 | Ea |
| 3230 | Ulmus x Pioneer, 2 inch | 8153963 | 1.000 | Ea |
| 3240 | _ Prepared Soil | 8157021 | 92.000 | Cyd |
| 3250 | _ Structural Soil | 8157021 | 184.000 | Cyd |
| 3260 | _ Bench | 8157050 | 12.000 | Ea |
| 3270 | _ Bike Rack | 8157050 | 16.000 | Ea |
| 3280 | _ Bollard | 8157050 | 8.000 | Ea |
| 3290 | _ Hanging Basket and Plantings | 8157050 | 26.000 | Ea |
| 3300 | _ Moveable Planter, Type A | 8157050 | 19.000 | Ea |
| 3310 | _ Moveable Planter, Type A Planting | 8157050 | 19.000 | Ea |
| 3320 | _ Moveable Planter, Type A Prepared Soil and Drainage | 8157050 | 19.000 | Ea |
| 3330 | _ Moveable Planter, Type B | 8157050 | 8.000 | Ea |
| 3340 | _ Moveable Planter, Type B Planting | 8157050 | 8.000 | Ea |
| 3350 | _ Moveable Planter, Type B Prepared Soil and Drainage | 8157050 | 8.000 | Ea |
| 3360 | _ Moveable Planter, Type C | 8157050 | 36.000 | Ea |
| 3370 | _ Moveable Planter, Type C Planting | 8157050 | 36.000 | Ea |
| 3380 | _ Moveable Planter, Type C Prepared Soil and Drainage | 8157050 | 36.000 | Ea |
| 3390 | _ Moveable Planter, Type D | 8157050 | 4.000 | Ea |
| 3400 | _ Moveable Planter, Type D Planting | 8157050 | 4.000 | Ea |
| 3410 | _ Moveable Planter, Type D Prepared Soil and Drainage | 8157050 | 4.000 | Ea |
| 3420 | _ Moveable Planter, Type E | 8157050 | 4.000 | Ea |
| 3430 | _ Moveable Planter, Type E Planting | 8157050 | 4.000 | Ea |
| 3440 | _ Moveable Planter, Type E Prepared Soil and Drainage | 8157050 | 4.000 | Ea |
| 3450 | _ Moveable Planter, Type F | 8157050 | 4.000 | Ea |
| 3460 | _ Moveable Planter, Type F Planting | 8157050 | 4.000 | Ea |
| 3470 | _ Moveable Planter, Type F Prepared Soil and Drainage | 8157050 | 4.000 | Ea |
| 3480 | _ Table and Chair Set | 8157050 | 8.000 | Ea |
| 3490 | _ Trash Receptacle | 8157050 | 10.000 | Ea |
| 3500 | _ Tree Planting | 8157050 | 25.000 | Ea |
| 3510 | _ Ulmus Morton 'Accolade', 2.5 inch | 8157050 | 20.000 | Ea |
| 3520 | Seeding, Mixture CR | 8160035 | 100.000 | Lb |
| 3530 | Water, Sodding/Seeding | 8160090 | 10.000 | Unit |
| 3540 | Slope Restoration, Type A | 8160100 | 7,795.000 | Syd |
| 3550 | Slope Restoration, Type B | 8160101 | 51,598.000 | Syd |
| 3560 | Slope Restoration, Type C | 8160102 | 962.000 | Syd |
| 3570 | Slope Restoration, Type D | 8160103 | 124.000 | Syd |
| 3580 | _ Turf Establishment, Performance | 8167011 | 11,240.000 | Syd |
| 3590 | Cable, Rem | 8190016 | 2,625.000 | Ft |

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|------|------------------------------------------|---------|------------|----|
| 3600 | Conduit, DB, 1, 1 1/2 inch | 8190027 | 740.000 | Ft |
| 3610 | Conduit, DB, 1, 3 inch | 8190029 | 750.000 | Ft |
| 3620 | Conduit, DB, 2, 3 inch | 8190032 | 20.000 | Ft |
| 3630 | Conduit, DB, 3, 3 inch | 8190035 | 375.000 | Ft |
| 3640 | Conduit, DB, 4, 3 inch | 8190038 | 55.000 | Ft |
| 3650 | Conduit, Directional Bore, 3 inch | 8190044 | 50.000 | Ft |
| 3660 | Conduit, Rem | 8190140 | 3,747.000 | Ft |
| 3670 | Conduit, Schedule 80 PVC, 2 inch | 8190157 | 9,492.000 | Ft |
| 3680 | Conduit, Schedule 80 PVC, 3 inch | 8190159 | 186.000 | Ft |
| 3690 | Conduit, Schedule 80 PVC, 4 inch | 8190161 | 28.000 | Ft |
| 3700 | DB Cable, in Conduit, 600V, 1/C#2 | 8190201 | 84.000 | Ft |
| 3710 | DB Cable, in Conduit, 600V, 1/C#4 | 8190207 | 17,685.000 | Ft |
| 3720 | DB Cable, in Conduit, 600V, 1/C#6 | 8190211 | 33,911.000 | Ft |
| 3730 | DB Cable, in Conduit, Rem | 8190220 | 3,699.000 | Ft |
| 3740 | Cable, Equipment Grounding Wire, 1/C#4 | 8190234 | 3,587.000 | Ft |
| 3750 | Cable, Equipment Grounding Wire, 1/C#6 | 8190236 | 6,875.000 | Ft |
| 3760 | Hh, Adj | 8190244 | 1.000 | Ea |
| 3770 | Hh, Polymer Conc | 8190250 | 13.000 | Ea |
| 3780 | Hh, Rem | 8190254 | 11.000 | Ea |
| 3790 | Hh, Round, 3 foot dia | 8190259 | 3.000 | Ea |
| 3800 | Hh, Round | 8190260 | 24.000 | Ea |
| 3810 | Light Std Arm, 6 foot | 8190265 | 1.000 | Ea |
| 3820 | Light Std Arm, 12 foot | 8190268 | 1.000 | Ea |
| 3830 | Light Std Arm, Rem and Salv | 8190278 | 4.000 | Ea |
| 3840 | Light Std Fdn | 8190279 | 97.000 | Ea |
| 3850 | Light Std Fdn, Rem | 8190280 | 67.000 | Ea |
| 3860 | Light Std Shaft, Rem and Salv | 8190306 | 67.000 | Ea |
| 3870 | Luminaire | 8190330 | 2.000 | Ea |
| 3880 | Luminaire, Install Salv | 8190350 | 69.000 | Ea |
| 3890 | Luminaire, Rem and Salv | 8190365 | 71.000 | Ea |
| 3900 | Cable, Sec, 600V, 1, 3/C#6 | 8190399 | 470.000 | Ft |
| 3910 | Cable, Sec, Triplex, 1, 3/C#4 | 8190418 | 270.000 | Ft |
| 3920 | Wood Pole, Cl 4, 40 foot | 8190473 | 3.000 | Ea |
| 3930 | Wood Pole, Fit Up, Sec Cable Pole | 8190495 | 1.000 | Ea |
| 3940 | Wood Pole, Fit Up, Sec Serv Pole | 8190496 | 1.000 | Ea |
| 3950 | Wood Pole, Fit Up, TS and Sec Cable Pole | 8190500 | 1.000 | Ea |
| 3960 | Wood Pole, Rem | 8190505 | 3.000 | Ea |
| 3970 | Conduit, Directional Bore, 1, 3 inch | 8190602 | 175.000 | Ft |
| 3980 | Conduit, Directional Bore, 2, 3 inch | 8190604 | 365.000 | Ft |
| 3990 | _ Cable, Install Salv | 8197001 | 1,900.000 | Ft |
| 4000 | _ Cable, P.J., 600V, 1, 2/C#16 | 8197001 | 500.000 | Ft |
| 4010 | _ Cable, P.J., 600V, 1, 5/C#16 | 8197001 | 900.000 | Ft |
| 4020 | _ Cable, P.J., 600V, 1, 7/C#16 | 8197001 | 810.000 | Ft |
| 4030 | _ Cable, Rem and Salv | 8197001 | 2,035.000 | Ft |
| 4040 | _ Cable, Shielded, 600V, 1, 2/C#16 | 8197001 | 390.000 | Ft |

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|------|----------------------------------------------------|---------|------------|-----|
| 4050 | _ Conduit, DB, 1, 1 inch | 8197001 | 85.000 | Ft |
| 4060 | _ Conduit, DB, 1, 2 inch | 8197001 | 20.000 | Ft |
| 4070 | _ Light Std Arm, Decorative | 8197050 | 8.000 | Ea |
| 4080 | _ Light Std Arm, Install Decorative Salv | 8197050 | 4.000 | Ea |
| 4090 | _ Light Std Shaft, Decorative, Type 1 | 8197050 | 9.000 | Ea |
| 4100 | _ Light Std Shaft, Decorative, Type 2 | 8197050 | 11.000 | Ea |
| 4110 | _ Light Std Shaft, Decorative, Type 3 | 8197050 | 8.000 | Ea |
| 4120 | _ Light Std Shaft, Install Decorative Salv | 8197050 | 65.000 | Ea |
| 4130 | _ Lighting Control Panel, Ground Mtd | 8197050 | 1.000 | Ea |
| 4140 | _ Luminaire, Decorative | 8197050 | 36.000 | Ea |
| 4150 | _ Projector Fixture | 8197050 | 4.000 | Ea |
| 4160 | Case Sign, Rem | 8200020 | 15.000 | Ea |
| 4170 | Case Sign (LED), One Way, 24 inch by 30 inch | 8200029 | 2.000 | Ea |
| 4180 | Controller and Cabinet, Rem | 8200030 | 7.000 | Ea |
| 4190 | Controller and Cabinet, Digital Type | 8200031 | 1.000 | Ea |
| 4200 | Case Sign, Salv | 8200039 | 4.000 | Ea |
| 4210 | Controller Fdn, Base Mount | 8200045 | 3.000 | Ea |
| 4220 | Controller Fdn, Rem | 8200046 | 3.000 | Ea |
| 4230 | Global Positioning System Module, Rem | 8200053 | 1.000 | Ea |
| 4240 | Fdn, Rem | 8200065 | 10.000 | Ea |
| 4250 | Fish Beacon, Controller and Cabinet, Solid State | 8200070 | 1.000 | Ea |
| 4260 | TS, Managed Field Ethernet Switch, Layer 2, Copper | 8200088 | 6.000 | Ea |
| 4270 | Pedestal, Alum | 8200100 | 10.000 | Ea |
| 4280 | Pedestal, Fdn | 8200105 | 20.000 | Ea |
| 4290 | Pedestal Fdn, Rem | 8200106 | 7.000 | Ea |
| 4300 | Pedestal, Rem | 8200110 | 5.000 | Ea |
| 4310 | Pedestal, Underground Serv, Metered | 8200111 | 1.000 | Ea |
| 4320 | Pedestal, Underground Serv, Unmetered | 8200112 | 1.000 | Ea |
| 4330 | Power Co. (Est. Cost to Contractor) | 8200116 | 15,500.000 | Dlr |
| 4340 | Pushbutton and Sign | 8200121 | 27.000 | Ea |
| 4350 | Pushbutton, Rem | 8200122 | 15.000 | Ea |
| 4360 | Pushbutton Pedestal, Alum | 8200123 | 8.000 | Ea |
| 4370 | Pushbutton Pedestal, Rem | 8200124 | 2.000 | Ea |
| 4380 | Serv Disconnect | 8200135 | 7.000 | Ea |
| 4390 | Serv Disconnect, Rem | 8200136 | 7.000 | Ea |
| 4400 | Span Wire | 8200140 | 22.000 | Ea |
| 4410 | Span Wire, Rem | 8200141 | 17.000 | Ea |
| 4420 | Span Wire Tether | 8200142 | 15.000 | Ea |
| 4430 | Steel Pole, Rem | 8200145 | 10.000 | Ea |
| 4440 | Guy, Rem | 8200167 | 1.000 | Ea |
| 4450 | Strut Guy | 8200168 | 1.000 | Ea |
| 4460 | Loop Detector, Rem | 8200173 | 5.000 | Ea |
| 4470 | TS, Bracket Arm Mtd, Rem | 8200175 | 7.000 | Ea |
| 4480 | TS, 4th Level Arrow, Rem | 8200176 | 2.000 | Ea |
| 4490 | TS, Pedestal Mtd, Rem | 8200179 | 2.000 | Ea |

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|------|------------------------------------------------------------|---------|--------|----|
| 4500 | TS, Pedestrian, Bracket Arm Mtd, Rem | 8200180 | 7.000 | Ea |
| 4510 | TS, Pedestrian, Pedestal Mtd, Rem | 8200181 | 5.000 | Ea |
| 4520 | TS, Span Wire Mtd, Rem | 8200182 | 59.000 | Ea |
| 4530 | Cabinet, NEMA Type | 8200186 | 7.000 | Ea |
| 4540 | TS, One Way Span Wire Mtd, Salv | 8200191 | 19.000 | Ea |
| 4550 | Warning Sign | 8200260 | 2.000 | Ea |
| 4560 | Warning Sign, Rem | 8200261 | 3.000 | Ea |
| 4570 | TS, One Way Span Wire Mtd, One Sect (LED) | 8200290 | 4.000 | Ea |
| 4580 | TS, One Way Span Wire Mtd (LED) | 8200313 | 35.000 | Ea |
| 4590 | TS, One Way Span Wire Mtd, FYA (LED) | 8200314 | 8.000 | Ea |
| 4600 | TS, One Way Span Wire Mtd, Five Sect (LED) | 8200315 | 4.000 | Ea |
| 4610 | TS, One Way Span Wire Mtd, RTGA (LED) | 8200318 | 1.000 | Ea |
| 4620 | TS, Three Way Span Wire Mtd (LED) | 8200325 | 4.000 | Ea |
| 4630 | TS, 4th Level, LTGA (LED) | 8200329 | 2.000 | Ea |
| 4640 | TS, One Way Bracket Arm Mtd (LED) | 8200333 | 1.000 | Ea |
| 4650 | TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown | 8200336 | 2.000 | Ea |
| 4660 | TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown | 8200339 | 12.000 | Ea |
| 4670 | TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown | 8200345 | 6.000 | Ea |
| 4680 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 8200347 | 2.000 | Ea |
| 4690 | TS, Antenna, Salv | 8200369 | 1.000 | Ea |
| 4700 | Sign Optical, (LED) | 8200373 | 2.000 | Ea |
| 4710 | Bracket, Truss, With 9 Foot Arm | 8200375 | 1.000 | Ea |
| 4720 | Bracket, Truss, With 15 Foot Arm | 8200377 | 1.000 | Ea |
| 4730 | Bracket, Truss, With 18 Foot Arm | 8200378 | 6.000 | Ea |
| 4740 | Video Traf Detection System | 8200380 | 3.000 | Ea |
| 4750 | Video Traf Detection Camera | 8200381 | 7.000 | Ea |
| 4760 | Video Traf Detection System, Rem | 8200383 | 4.000 | Ea |
| 4770 | Video Traf Detection Camera, Rem | 8200384 | 9.000 | Ea |
| 4780 | Bracket, Truss, Salv | 8200385 | 3.000 | Ea |
| 4790 | Bracket, Truss, Rem | 8200388 | 9.000 | Ea |
| 4800 | Wireless Interchn, Closed Loop, Salv | 8200389 | 1.000 | Ea |
| 4810 | Wireless Interchn, Closed Loop, Rem | 8200396 | 1.000 | Ea |
| 4820 | Wireless Vehicle Detection System | 8200422 | 1.000 | Ea |
| 4830 | Wireless Vehicle Detection System, Rem | 8200423 | 1.000 | Ea |
| 4840 | Wireless Vehicle Sensor Node | 8200425 | 2.000 | Ea |
| 4850 | Wireless Vehicle Sensor Node, Rem | 8200426 | 2.000 | Ea |
| 4860 | Case Sign, Non-Illuminated, Rem | 8200432 | 3.000 | Ea |
| 4870 | Case Sign, One Way, 12 inch by 27 inch, Non-Illuminated | 8200433 | 2.000 | Ea |
| 4880 | Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated | 8200434 | 5.000 | Ea |
| 4890 | Vehicle Traf Detection Camera, Salv | 8200440 | 3.000 | Ea |
| 4900 | Video Traf Detection System, Salv | 8200441 | 3.000 | Ea |

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| 4910 | Hemispherical Video Detection Camera | 8200444 | 1.000 | Ea |
| 4920 | Hemispherical Video Detection System | 8200445 | 1.000 | Ea |
| 4930 | TS Head, Adj | 8200452 | 88.000 | Ea |
| 4940 | TS Face, Bag | 8200458 | 139.000 | Ea |
| 4950 | TS Face, Bag, Rem | 8200459 | 110.000 | Ea |
| 4960 | Strain Pole, Steel, 6 bolt, 30 foot | 8200460 | 10.000 | Ea |
| 4970 | Strain Pole, Steel, 6 bolt, 36 foot | 8200461 | 6.000 | Ea |
| 4980 | Strain Pole Fdn, 6 Bolt | 8200470 | 212.000 | Ft |
| 4990 | Casing | 8200480 | 159.000 | Ft |
| 5000 | Cellular Modem, TS, 4G | 8200498 | 5.000 | Ea |
| 5010 | Backplate, TS | 8200501 | 36.000 | Ea |
| 5020 | Backplate, TS, Rem | 8200502 | 9.000 | Ea |
| 5030 | Backplate, TS, Salv | 8200503 | 9.000 | Ea |
| 5040 | _ Controller, NEMA, ATC Type | 8207050 | 7.000 | Ea |
| 5050 | _ Flsh Beacon, Rectangular Rapid | 8207050 | 4.000 | Ea |
| 5060 | _ Pre-Emption System, Radio Frequency | 8207050 | 2.000 | Ea |
| 5070 | _ St Name Sign, Two Way, (LED) 8 foot | 8207050 | 2.000 | Ea |
| 5080 | _ Transmitter, Radio Frequency | 8207050 | 12.000 | Ea |
| 5090 | Protect Corners | 8210020 | 31.000 | Ea |
| 5100 | _ Sinusoidal Corrugations, Milled, HMA Shoulder | 8227001 | 9,170.000 | Ft |
| 5110 | Fire Hydrant | 8230040 | 6.000 | Ea |
| 5120 | Gate Valve and Box, 12 inch | 8230054 | 1.000 | Ea |
| 5130 | Gate Valve, 12 inch | 8230064 | 4.000 | Ea |
| 5140 | Hydrant, Relocate, Case 1 | 8230095 | 3.000 | Ea |
| 5150 | Hydrant, Relocate, Case 2 | 8230096 | 3.000 | Ea |
| 5160 | Water Main, DI, 6 inch, Tr Det G | 8230151 | 30.000 | Ft |
| 5170 | Water Main, DI, 12 inch, Tr Det G | 8230166 | 2,060.000 | Ft |
| 5180 | Water Serv | 8230240 | 5.000 | Ea |
| 5190 | Water Serv, Long | 8230245 | 5.000 | Ea |
| 5200 | Water Serv, Conflict | 8230250 | 50.000 | Ea |
| 5210 | Gate Well, 60 inch dia | 8230360 | 4.000 | Ea |
| 5220 | Water Shutoff, Reconst, Case 2 | 8230402 | 10.000 | Ea |
| 5230 | Water Shutoff, Adj, Case 1 | 8230421 | 4.000 | Ea |
| 5240 | Water Shutoff, Adj, Case 2 | 8230422 | 41.000 | Ea |
| 5250 | Gate Box, Adj, Case 1 | 8230431 | 4.000 | Ea |
| 5260 | Gate Box, Adj, Case 2 | 8230432 | 12.000 | Ea |
| 5270 | _ Water Main, Rem | 8237001 | 4,665.000 | Ft |
| 5280 | _ Water Serv, Spec | 8237001 | 346.000 | Ft |
| 5290 | _ Building Penetration/Interior Connection Work | 8237050 | 9.000 | Ea |
| 5300 | _ Hydrant, Adj | 8237050 | 8.000 | Ea |
| 5310 | _ Water Main Conflict, 12 inch | 8237050 | 12.000 | Ea |
| 5320 | _ Water Main Conflict, 8 inch | 8237050 | 4.000 | Ea |
| 5330 | Contractor Staking | 8240001 | 1.000 | LSUM |
| 5340 | Staking Plan Errors and Extras, One Person | 8240020 | 186.000 | Hr |
| 5350 | Staking Plan Errors and Extras, Two Person | 8240021 | 75.000 | Hr |

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|------|----------------------------------------------|---------|---------|------|
| 5360 | Staking Plan Errors and Extras, Three Person | 8240022 | 112.000 | Hr |
| 5370 | ITS Grounding, Bonding, and Surge Protection | 8260020 | 1.000 | LSUM |
| 5380 | Lightning Protection, Pole | 8260021 | 5.000 | Ea |
| 5390 | Flowable Fill, Non-Structural | 8260148 | 34.000 | Cyd |

Section: 2

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|------|---------------------------------------------------------|---------|------------|------|
| 5400 | Asbestos Materials, Rem and Disposal | 2040001 | 10,000.000 | Dlr |
| 5410 | HMA Patch, Rem | 5010006 | 6.000 | Syd |
| 5420 | Conc, Grade D | 7060010 | 27.000 | Cyd |
| 5430 | Expansion Joint Device | 7060050 | 77.000 | Ft |
| 5440 | Expansion Joint Device, Cover Plate | 7060051 | 14.000 | Ft |
| 5450 | Reinforcement, Steel, Epoxy Coated | 7060092 | 3,358.000 | Lb |
| 5460 | Joint Waterproofing | 7100001 | 210.000 | Sft |
| 5470 | Conc Surface Coating, Warranty (B01 of 63112) | 7100009 | 1.000 | LSUM |
| 5480 | Hand Chipping, Deep | 7120004 | 30.000 | Syd |
| 5490 | Epoxy Ovly, Warranty | 7120022 | 469.000 | Syd |
| 5500 | Adhesive Anchoring of Vertical Bar, 3/4 inch | 7120034 | 316.000 | Ea |
| 5510 | Structures, Rehabilitation, Rem Portions (B01 of 63112) | 7120070 | 1.000 | LSUM |
| 5520 | Deck Joint, Rem | 7120071 | 74.000 | Ft |
| 5530 | Patching Conc, C-L | 7120112 | 4.000 | Cyd |



1/24/2020 8:54 AM

AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 200221 903**Letting Date:** February 21, 2020**Contract ID:** 61072-200663-3

Description: 5.58 mi of hot mix asphalt cold milling, widening and resurfacing, concrete pavement repair, curb, gutter and sidewalk, signing, drainage, steel sheet piling and pavement markings on US-31 from the I-96 interchange north to M-46, the southbound off ramp at Airline Highway and US-31 northbound on ramp at the Sternberg interchange in the cities of Norton Shores and Muskegon, Muskegon County. This project includes a 3 and a 5 year materials and workmanship pavement warranty.

Project Information

| Project Number | Federal Project Number | Federal Item Number | Control Section |
|----------------|------------------------|---------------------|-----------------|
| 200663A | 1900655 | N/A | NH 61072 |
| 205134A | 1901219 | N/A | NH 61072 |
| 205137A | 1901193 | N/A | CM 61074 |

List of Items by Section

| Line Num | Item Description | Item ID | Quantity | Units |
|-------------------|------------------------------------------------|---------|------------|-------|
| Section: 1 | | | | |
| 0010 | Mobilization, Max \$239,200.00 | 1500001 | 1.000 | LSUM |
| 0020 | Clearing | 2010001 | 0.300 | Acre |
| 0030 | Curb and Gutter, Rem | 2040020 | 199.000 | Ft |
| 0040 | Guardrail, Rem | 2040035 | 970.000 | Ft |
| 0050 | Pavt, Rem | 2040050 | 659.000 | Syd |
| 0060 | Excavation, Earth | 2050016 | 1,237.000 | Cyd |
| 0070 | Subgrade Undercutting, Type II | 2050041 | 300.000 | Cyd |
| 0080 | _ Embankment, CIP, Special | 2057021 | 4,242.000 | Cyd |
| 0090 | Erosion Control, Check Dam, Stone | 2080012 | 60.000 | Ft |
| 0100 | Erosion Control, Inlet Protection, Fabric Drop | 2080020 | 8.000 | Ea |
| 0110 | Erosion Control, Maintenance, Sediment Removal | 2080026 | 25.000 | Cyd |
| 0120 | Erosion Control, Sediment Trap | 2080034 | 11.000 | Ea |
| 0130 | Erosion Control, Silt Fence | 2080036 | 1,685.000 | Ft |
| 0140 | Aggregate Base, 6 inch | 3020016 | 5,169.000 | Syd |
| 0150 | Shoulder, CI II | 3070121 | 7.000 | Ton |
| 0160 | _ Shoulder, CI II, 5.5 inch | 3077011 | 445.000 | Syd |
| 0170 | Sewer, CI A, 12 inch, Tr Det B | 4020033 | 88.000 | Ft |
| 0180 | Dr Structure Cover, Adj, Case 2 | 4030006 | 2.000 | Ea |
| 0190 | Dr Structure Cover, Type J | 4030045 | 1.000 | Ea |
| 0200 | Dr Structure, 48 inch dia | 4030210 | 1.000 | Ea |
| 0210 | Dr Structure, Adj, Add Depth | 4030280 | 7.000 | Ft |
| 0220 | Cold Milling HMA Surface | 5010002 | 52,193.000 | Syd |
| 0230 | HMA Surface, Rem | 5010005 | 2,483.000 | Syd |
| 0240 | HMA Quality Initiative | 5010007 | 13,938.000 | Dlr |

| | | | | |
|------|------------------------------------------------------------|---------|------------|-----|
| 0250 | Longitudinal Joint Density Quality Initiative | 5010018 | 16,300.000 | Dlr |
| 0260 | Hand Patching | 5010025 | 3.000 | Ton |
| 0270 | HMA, 4E3 | 5010051 | 768.000 | Ton |
| 0280 | HMA, 5E3 | 5010057 | 5,004.000 | Ton |
| 0290 | HMA Approach | 5010061 | 1,194.000 | Ton |
| 0300 | Joint, Contraction, Cp | 6020200 | 108.000 | Ft |
| 0310 | Cement | 6030005 | 56.000 | Ton |
| 0320 | Crack Sealing, Conc Pavt | 6030010 | 2,696.000 | Ft |
| 0330 | Diamond Grinding Conc Pavt | 6030015 | 20,000.000 | Syd |
| 0340 | Joint, Contraction, Crg | 6030020 | 4,407.000 | Ft |
| 0350 | Joint, Expansion, Erg | 6030021 | 100.000 | Ft |
| 0360 | Lane Tie, Epoxy Anchored | 6030030 | 700.000 | Ea |
| 0370 | Non-Chloride Accelerator | 6030035 | 2,371.000 | Gal |
| 0380 | Pavt Repr, Nonreinf Conc, 11 inch | 6030050 | 3,798.000 | Syd |
| 0390 | Pavt Repr, Rem | 6030080 | 3,798.000 | Syd |
| 0400 | Saw Cut, Intermediate | 6030090 | 1,780.000 | Ft |
| 0410 | Sawing and Sealing Longit Pavt Joints | 6030095 | 353.000 | Ft |
| 0420 | Sawing and Sealing Trans Pavt Joints | 6030096 | 2,697.000 | Ft |
| 0430 | Resealing Trans Joints with Hot-Poured Rubber | 6030100 | 7,888.000 | Ft |
| 0440 | Resealing Longit Joints with Hot-Poured Rubber | 6030101 | 826.000 | Ft |
| 0450 | _ Joint, Tied, 2.5 foot, Special | 6037001 | 295.000 | Ft |
| 0460 | _ Pavt Repr, 2.5 foot, Nonreinf, 11 inch, Special | 6037011 | 82.000 | Syd |
| 0470 | _ Pavt Repr, 2.5 foot, Rem, Special | 6037011 | 82.000 | Syd |
| 0480 | Conc, Grade S2 | 7060011 | 1.000 | Cyd |
| 0490 | Curb and Gutter, Conc, Det B2 | 8020016 | 288.000 | Ft |
| 0500 | Curb and Gutter, Conc, Det D2 | 8020031 | 195.000 | Ft |
| 0510 | Shoulder Gutter, Conc, Det 1 | 8020055 | 1.000 | Ea |
| 0520 | Spillway, Conc | 8020075 | 4.000 | Ft |
| 0530 | _ Curb and Gutter, Conc, Det B2, Modified | 8027001 | 90.000 | Ft |
| 0540 | Sidewalk, Conc, 6 inch | 8030046 | 41.000 | Sft |
| 0550 | Guardrail, Type MGS-8 | 8070004 | 988.000 | Ft |
| 0560 | Guardrail Approach Terminal, Type 2M | 8070044 | 1.000 | Ea |
| 0570 | Guardrail Departing Terminal, Type MGS | 8070052 | 1.000 | Ea |
| 0580 | Guardrail Reflector | 8070080 | 20.000 | Ea |
| 0590 | _ Guardrail Long Span, Det MGS-1 | 8077050 | 1.000 | Ea |
| 0600 | Delineator Reflector, Red | 8100131 | 11.000 | Ea |
| 0610 | Delineator Reflector, Green | 8100133 | 14.000 | Ea |
| 0620 | Delineator Reflector, White | 8100134 | 30.000 | Ea |
| 0630 | Delineator, Reflective Sheeting, 3 inch by 12 inch, Red | 8100139 | 6.000 | Ea |
| 0640 | Delineator, Reflective Sheeting, 3 inch by 12 inch, White | 8100145 | 1.000 | Ea |
| 0650 | Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow | 8100146 | 10.000 | Ea |
| 0660 | Fdn, Wood Support, Rem | 8100280 | 2.000 | Ea |
| 0670 | Delineator, Rem | 8100349 | 35.000 | Ea |

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|------|------------------------------------------------------------------|---------|------------|-----|
| 0680 | Post, Flexible, Delineator | 8100360 | 11.000 | Ea |
| 0690 | Post, Rigid, Delineator | 8100361 | 44.000 | Ea |
| 0700 | Post, Steel, 3 lb | 8100371 | 75.000 | Ft |
| 0710 | Post, Wood, 6 inch by 8 inch | 8100382 | 80.000 | Ft |
| 0720 | Sign, Type I, Erect, Salv | 8100390 | 2.000 | Ea |
| 0730 | Sign, Type I, Rem | 8100391 | 2.000 | Ea |
| 0740 | Sign, Type III, Erect, Salv | 8100402 | 3.000 | Ea |
| 0750 | Sign, Type III, Rem | 8100403 | 3.000 | Ea |
| 0760 | Sign, Type IIIB | 8100405 | 2.000 | Sft |
| 0770 | Sign, Type VB | 8100425 | 32.000 | Sft |
| 0780 | Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, White | 8110039 | 20.000 | Ft |
| 0790 | Pavt Mrkg, Polyurea, 6 inch, Crosswalk | 8110093 | 180.000 | Ft |
| 0800 | Pavt Mrkg, Polyurea, Wrong Way Arrow Symbol | 8110098 | 7.000 | Ea |
| 0810 | Pavt Mrkg, Polyurea, 24 inch, Stop Bar | 8110114 | 310.000 | Ft |
| 0820 | Pavt Mrkg, Waterborne, 6 inch, White | 8110233 | 3,150.000 | Ft |
| 0830 | Pavt Mrkg, Waterborne, 6 inch, Yellow | 8110234 | 1,900.000 | Ft |
| 0840 | Pavt Mrkg, Waterborne, 12 inch, White | 8110237 | 710.000 | Ft |
| 0850 | Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White | 8110253 | 3,150.000 | Ft |
| 0860 | Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow | 8110254 | 1,900.000 | Ft |
| 0870 | Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White | 8110257 | 710.000 | Ft |
| 0880 | Rem Curing Compound, for Longit Mrkg, 4 inch | 8110307 | 3,578.000 | Ft |
| 0890 | Rem Curing Compound, for Longit Mrkg, 6 inch | 8110308 | 8,751.000 | Ft |
| 0900 | Rem Raised Pavt Marker | 8110332 | 15.000 | Ea |
| 0910 | Witness, Log, \$1,000.00 | 8110350 | 1,000.000 | Dlr |
| 0920 | Pavt Mrkg, Polyurea, Lt Turn Arrow Sym | 8110405 | 5.000 | Ea |
| 0930 | Pavt Mrkg, Polyurea, Rt Turn Arrow Sym | 8110412 | 5.000 | Ea |
| 0940 | Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 4 inch, White | 8110490 | 13,064.000 | Ft |
| 0950 | Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 6 inch, White | 8110491 | 84,642.000 | Ft |
| 0960 | Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 12 inch, White | 8110493 | 2,685.000 | Ft |
| 0970 | Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 6 inch, Yellow | 8110495 | 80,895.000 | Ft |
| 0980 | Barricade, Type III, High Intensity, Double Sided, Lighted, Furn | 8120012 | 31.000 | Ea |
| 0990 | Barricade, Type III, High Intensity, Double Sided, Lighted, Oper | 8120013 | 31.000 | Ea |
| 1000 | Conc Barrier Ending, Temp, Detail 2, Furn | 8120041 | 1.000 | Ea |
| 1010 | Conc Barrier Ending, Temp, Detail 2, Oper | 8120042 | 1.000 | Ea |
| 1020 | Conc Barrier, Temp, Furn | 8120081 | 690.000 | Ft |
| 1030 | Conc Barrier, Temp, Oper | 8120082 | 690.000 | Ft |
| 1040 | Lighted Arrow, Type B, Furn | 8120130 | 3.000 | Ea |
| 1050 | Lighted Arrow, Type B, Oper | 8120131 | 3.000 | Ea |
| 1060 | Lighted Arrow, Type C, Furn | 8120140 | 4.000 | Ea |
| 1070 | Lighted Arrow, Type C, Oper | 8120141 | 4.000 | Ea |

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|------|---------------------------------------------------------------|---------|------------|------|
| 1080 | Ltg for Night Work | 8120160 | 1.000 | LSUM |
| 1090 | Minor Traf Devices | 8120170 | 1.000 | LSUM |
| 1100 | Pavt Mrkg, Longit, 6 inch or Less Width, Rem | 8120210 | 1,460.000 | Ft |
| 1110 | Pavt Mrkg, Longit, Greater than 6 inch Width, Rem | 8120211 | 2,000.000 | Ft |
| 1120 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp | 8120245 | 7,440.000 | Ft |
| 1130 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp | 8120246 | 7,440.000 | Ft |
| 1140 | Plastic Drum, Fluorescent, Furn | 8120252 | 1,433.000 | Ea |
| 1150 | Plastic Drum, Fluorescent, Oper | 8120253 | 1,433.000 | Ea |
| 1160 | Sign Cover | 8120310 | 44.000 | Ea |
| 1170 | Sign Cover, Type 1 | 8120320 | 19.000 | Ea |
| 1180 | Sign, Portable, Changeable Message, NTCIP-Compliant, Furn | 8120332 | 18.000 | Ea |
| 1190 | Sign, Portable, Changeable Message, NTCIP-Compliant, Oper | 8120333 | 18.000 | Ea |
| 1200 | Sign, Type A, Temp, Prismatic, Furn | 8120340 | 196.000 | Sft |
| 1210 | Sign, Type A, Temp, Prismatic, Oper | 8120341 | 196.000 | Sft |
| 1220 | Sign, Type B, Temp, Prismatic, Furn | 8120350 | 7,502.000 | Sft |
| 1230 | Sign, Type B, Temp, Prismatic, Oper | 8120351 | 7,502.000 | Sft |
| 1240 | Sign, Type B, Temp, Prismatic, Spec, Furn | 8120352 | 54.000 | Sft |
| 1250 | Sign, Type B, Temp, Prismatic, Spec, Oper | 8120353 | 54.000 | Sft |
| 1260 | Riprap, Plain | 8130010 | 71.000 | Syd |
| 1270 | Slope Restoration, Type A | 8160100 | 16,600.000 | Syd |
| 1280 | Slope Restoration, Type B | 8160101 | 2,400.000 | Syd |
| 1290 | _ Slope Restoration, Bonded Fiber Matrix | 8167011 | 3,000.000 | Syd |
| 1300 | Monument Box | 8210001 | 1.000 | Ea |
| 1310 | Monument Preservation | 8210010 | 1.000 | Ea |
| 1320 | Shoulder Corrugations, Ground or Cut, HMA | 8220001 | 815.000 | Ft |
| 1330 | Contractor Staking, Road Only | 8240007 | 1.000 | LSUM |
| 1340 | Staking Plan Errors and Extras, One Person | 8240020 | 17.000 | Hr |
| 1350 | Staking Plan Errors and Extras, Two Person | 8240021 | 9.000 | Hr |
| 1360 | Staking Plan Errors and Extras, Three Person | 8240022 | 11.000 | Hr |

Section: 2

| | | | | |
|------|---------------------------------------|---------|-----------|------|
| 1370 | _ Audio-Visual Filming | 1077051 | 1.000 | LSUM |
| 1380 | Excavation, Fdn | 2060010 | 50.000 | Cyd |
| 1390 | _ Backfill Structure, Special | 2067021 | 154.000 | Cyd |
| 1400 | Underdrain, Fdn, 4 inch | 4040031 | 105.000 | Ft |
| 1410 | Underdrain Outlet, 4 inch | 4040091 | 15.000 | Ft |
| 1420 | Underdrain, Outlet Ending, 4 inch | 4040111 | 1.000 | Ea |
| 1430 | Steel Sheet Piling, Permanent | 7040001 | 4,267.000 | Sft |
| 1440 | Structural Steel, Mixed, Erect | 7070050 | 6,100.000 | Lb |
| 1450 | Structural Steel, Mixed, Furn and Fab | 7070051 | 6,100.000 | Lb |



Schedule of Pay Items

Report v1

Letting Call: 200221 904

Letting Date: February 21, 2020

Contract ID: 03071-128174

Description: 3.90 mi of hot mix asphalt cold milling and resurfacing, centerline corrugations, sidewalk ramp upgrades and pavement markings on M-40 from 32nd Street north to M-89, Allegan County. This project includes two 3 year materials and workmanship pavement warranties.

Project Information

| Project Number | Federal Project Number | Federal Item Number | Control Section |
|----------------|------------------------|---------------------|-----------------|
| 128174A | N/A | N/A | M 03071 |

List of Items by Section

| Line Num | Item Description | Item ID | Quantity | Units |
|-------------------|-----------------------------------------------|---------|------------|-------|
| Section: 1 | | | | |
| 0010 | Mobilization, Max \$82,800.00 | 1500001 | 1.000 | LSUM |
| 0020 | Guardrail, Rem | 2040035 | 555.000 | Ft |
| 0030 | Sidewalk, Rem | 2040055 | 52.000 | Syd |
| 0040 | Excavation, Earth | 2050016 | 10.000 | Cyd |
| 0050 | Aggregate Base, 6 inch | 3020016 | 775.000 | Syd |
| 0060 | Approach, CI II | 3070021 | 58.000 | Ton |
| 0070 | Shoulder, CI II | 3070121 | 2,540.000 | Ton |
| 0080 | Trenching | 3070200 | 7.000 | Sta |
| 0090 | _ Culv Cleanout | 4017001 | 175.000 | Ft |
| 0100 | Dr Structure, Cleaning | 4030290 | 1.000 | Ea |
| 0110 | Cold Milling HMA Surface | 5010002 | 62,335.000 | Syd |
| 0120 | Bump Grinding | 5010004 | 200.000 | Syd |
| 0130 | HMA Quality Initiative | 5010007 | 13,458.000 | Dlr |
| 0140 | Longitudinal Joint Density Quality Initiative | 5010018 | 34,800.000 | Dlr |
| 0150 | Hand Patching | 5010025 | 14.000 | Ton |
| 0160 | HMA, 5E1 | 5010056 | 6,312.000 | Ton |
| 0170 | HMA Approach | 5010061 | 403.000 | Ton |
| 0180 | _ Pedestrian Path, Temp | 8007001 | 52.000 | Ft |
| 0190 | _ Pedestrian Ramp, Temp | 8007050 | 4.000 | Ea |
| 0200 | Curb and Gutter, Conc, Det C2 | 8020021 | 10.000 | Ft |
| 0210 | Curb and Gutter, Conc, Det D2 | 8020031 | 40.000 | Ft |
| 0220 | Detectable Warning Surface | 8030010 | 24.000 | Ft |
| 0230 | Curb Ramp Opening, Conc | 8030030 | 40.000 | Ft |
| 0240 | Sidewalk Ramp, Conc, 4 inch | 8030034 | 345.000 | Sft |
| 0250 | Sidewalk, Conc, 4 inch | 8030044 | 120.000 | Sft |
| 0260 | Curb Sloped, HMA | 8050010 | 2,540.000 | Ft |
| 0270 | Guardrail, Type MGS-8 | 8070004 | 438.000 | Ft |

| | | | | |
|------|------------------------------------------------------------------|---------|------------|------|
| 0280 | Guardrail Approach Terminal, Type 2M | 8070044 | 2.000 | Ea |
| 0290 | Guardrail Reflector | 8070080 | 20.000 | Ea |
| 0300 | Delineator, Rem | 8100349 | 4.000 | Ea |
| 0310 | Post, Flexible, Delineator | 8100360 | 4.000 | Ea |
| 0320 | Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym | 8110063 | 2.000 | Ea |
| 0330 | Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym | 8110071 | 1.000 | Ea |
| 0340 | Pavt Mrkg, Polyurea, 6 inch, Crosswalk | 8110093 | 160.000 | Ft |
| 0350 | Pavt Mrkg, Polyurea, 24 inch, Stop Bar | 8110114 | 120.000 | Ft |
| 0360 | Pavt Mrkg, Waterborne, 4 inch, White | 8110231 | 472.000 | Ft |
| 0370 | Pavt Mrkg, Waterborne, 4 inch, Yellow | 8110232 | 21,903.000 | Ft |
| 0380 | Pavt Mrkg, Waterborne, 6 inch, White | 8110233 | 42,789.000 | Ft |
| 0390 | Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White | 8110251 | 472.000 | Ft |
| 0400 | Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow | 8110252 | 21,903.000 | Ft |
| 0410 | Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White | 8110253 | 42,789.000 | Ft |
| 0420 | Witness, Log, \$1,000.00 | 8110350 | 1,000.000 | Dlr |
| 0430 | Barricade, Type III, High Intensity, Double Sided, Lighted, Furn | 8120012 | 8.000 | Ea |
| 0440 | Barricade, Type III, High Intensity, Double Sided, Lighted, Oper | 8120013 | 8.000 | Ea |
| 0450 | Pedestrian Type II Barricade, Temp | 8120026 | 4.000 | Ea |
| 0460 | Pedestrian Type II Channelizer, Temp | 8120027 | 375.000 | Ft |
| 0470 | Channelizing Device, 42 inch, Fluorescent, Furn | 8120035 | 395.000 | Ea |
| 0480 | Channelizing Device, 42 inch, Fluorescent, Oper | 8120036 | 395.000 | Ea |
| 0490 | Lighted Arrow, Type C, Furn | 8120140 | 4.000 | Ea |
| 0500 | Lighted Arrow, Type C, Oper | 8120141 | 4.000 | Ea |
| 0510 | Minor Traf Devices | 8120170 | 1.000 | LSUM |
| 0520 | Pavt Mrkg Cover, Type R, Black | 8120200 | 600.000 | Ft |
| 0530 | Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp | 8120246 | 3,000.000 | Ft |
| 0540 | Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Crosswalk | 8120255 | 550.000 | Ft |
| 0550 | Sign Cover | 8120310 | 10.000 | Ea |
| 0560 | Sign, Portable, Changeable Message, Furn | 8120330 | 4.000 | Ea |
| 0570 | Sign, Portable, Changeable Message, Oper | 8120331 | 4.000 | Ea |
| 0580 | Sign, Type B, Temp, Prismatic, Furn | 8120350 | 1,300.000 | Sft |
| 0590 | Sign, Type B, Temp, Prismatic, Oper | 8120351 | 1,300.000 | Sft |
| 0600 | Sign, Type B, Temp, Prismatic, Spec, Furn | 8120352 | 16.000 | Sft |
| 0610 | Sign, Type B, Temp, Prismatic, Spec, Oper | 8120353 | 16.000 | Sft |
| 0620 | Traf Regulator Control | 8120370 | 1.000 | LSUM |
| 0630 | _ Rumble Strip, Temp, Portable, Furn | 8127050 | 12.000 | Ea |
| 0640 | _ Rumble Strip, Temp, Portable, Oper | 8127050 | 12.000 | Ea |
| 0650 | Riprap, Plain | 8130010 | 20.000 | Syd |
| 0660 | _ HMA Spillway | 8147011 | 25.000 | Syd |
| 0670 | Slope Restoration, Type B | 8160101 | 500.000 | Syd |
| 0680 | Monument Box | 8210001 | 1.000 | Ea |
| 0690 | Monument Preservation | 8210010 | 3.000 | Ea |

| | | | | |
|------|--------------------------------------|---------|------------|----|
| 0700 | Centerline Corrugations, Milled, HMA | 8220013 | 21,600.000 | Ft |
| 0710 | Water Shutoff, Adj, Case 1 | 8230421 | 1.000 | Ea |



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AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 200221 905**Letting Date:** February 21, 2020**Contract ID:** 81000-203583

Description: 0.42 mi of hot mix asphalt reconstruction, concrete curb, gutter, sidewalk and ramps, aggregate base, drainage, signals and pavement markings on West Cross Street from Courtland Street to Wallace Boulevard in the city of Ypsilanti, Washtenaw County. This is a Local Agency project.

Project Information

| Project Number | Federal Project Number | Federal Item Number | Control Section |
|----------------|------------------------|---------------------|-----------------|
| 203583A | 20A0188 | N/A | STU 81000 |

List of Items by Section

| Line Num | Item Description | Item ID | Quantity | Units |
|-------------------|-------------------------------------------------|---------|------------|-------|
| Section: 1 | | | | |
| 0010 | Mobilization, Max \$134,400.00 | 1500001 | 1.000 | LSUM |
| 0020 | Dr Structure, Rem | 2030011 | 4.000 | Ea |
| 0030 | Sewer, Rem, Less than 24 inch | 2030015 | 21.000 | Ft |
| 0040 | Sidewalk, Rem | 2040055 | 338.000 | Syd |
| 0050 | _ Curb and Gutter, greater than 25 feet, Rem | 2047001 | 2,164.000 | Ft |
| 0060 | _ Curb and Gutter, less than 25 ft, Rem | 2047001 | 140.000 | Ft |
| 0070 | _ Pavt, Rem, Modified | 2047011 | 12,002.000 | Syd |
| 0080 | _ Station Grading | 2057002 | 22.000 | Sta |
| 0090 | _ Subgrade Undercut and Refill, 21AA, Limestone | 2057021 | 51.000 | Cyd |
| 0100 | Erosion Control, Inlet Protection, Fabric Drop | 2080020 | 31.000 | Ea |
| 0110 | _ Aggregate Base, 4 inch, Modified | 3027011 | 665.000 | Syd |
| 0120 | _ Aggregate Base, 8 inch, Modified | 3027011 | 12,475.000 | Syd |
| 0130 | _ Maintenance Aggregate, 21AA | 3027031 | 60.000 | Ton |
| 0140 | Trench Undercut and Backfill | 4021260 | 25.000 | Cyd |
| 0150 | _ Sewer, CI A, 12 inch, Modified | 4027001 | 43.000 | Ft |
| 0160 | Dr Structure Cover, Adj, Case 1 | 4030005 | 34.000 | Ea |
| 0170 | Dr Structure Cover, Adj, Case 2 | 4030006 | 1.000 | Ea |
| 0180 | Dr Structure Cover, Type K | 4030050 | 4.000 | Ea |
| 0190 | Dr Structure, 24 inch dia | 4030200 | 1.000 | Ea |
| 0200 | Dr Structure, 48 inch dia | 4030210 | 4.000 | Ea |
| 0210 | _ Sanitary Sewer Cover, Adj, Case 1 | 4037050 | 8.000 | Ea |
| 0220 | HMA, 4E3 | 5010051 | 2,563.000 | Ton |
| 0230 | HMA, 5E3 | 5010057 | 1,283.000 | Ton |
| 0240 | _ Driveway, Nonreinf Conc, 6 inch, Mod | 8017011 | 167.000 | Syd |
| 0250 | Curb and Gutter, Conc, Det F6 | 8020040 | 2,202.000 | Ft |
| 0260 | Curb Ramp Opening, Conc | 8030030 | 252.000 | Ft |
| 0270 | Sidewalk, Conc, 4 inch | 8030044 | 2,807.000 | Sft |

| | | | | |
|------|------------------------------------------------------------------|---------|-----------|------|
| 0280 | _ Detectable Warning Surface, Modified | 8037001 | 169.000 | Ft |
| 0290 | _ Sidewalk Ramp, 6 inch, ADA Modified | 8037010 | 946.000 | Sft |
| 0300 | Band, Sign | 8100010 | 2.000 | Ea |
| 0310 | Post, Steel, 3 lb | 8100371 | 438.000 | Ft |
| 0320 | Sign, Type III, Rem | 8100403 | 48.000 | Ea |
| 0330 | Sign, Type IIIA | 8100404 | 108.000 | Sft |
| 0340 | Sign, Type IIIB | 8100405 | 137.000 | Sft |
| 0350 | Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike | 8110049 | 10.000 | Ea |
| 0360 | Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym | 8110058 | 10.000 | Ea |
| 0370 | Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym | 8110063 | 4.000 | Ea |
| 0380 | Pavt Mrkg, Ovly Cold Plastic, School | 8110074 | 1.000 | Ea |
| 0390 | Pavt Mrkg, Ovly Cold Plastic, Sharrow Symbol | 8110079 | 1.000 | Ea |
| 0400 | Pavt Mrkg, Polyurea, 4 inch, White | 8110091 | 685.000 | Ft |
| 0410 | Pavt Mrkg, Polyurea, 4 inch, Yellow | 8110092 | 3,711.000 | Ft |
| 0420 | Pavt Mrkg, Polyurea, 6 inch, Crosswalk | 8110093 | 945.000 | Ft |
| 0430 | Pavt Mrkg, Polyurea, 6 inch, White | 8110094 | 3,987.000 | Ft |
| 0440 | Pavt Mrkg, Polyurea, 24 inch, Stop Bar | 8110114 | 157.000 | Ft |
| 0450 | _ Pavt Mrkg, Ovly Cold Plastic, Yield Triangle | 8117050 | 9.000 | Ea |
| 0460 | Barricade, Type III, High Intensity, Double Sided, Lighted, Furn | 8120012 | 10.000 | Ea |
| 0470 | Barricade, Type III, High Intensity, Double Sided, Lighted, Oper | 8120013 | 10.000 | Ea |
| 0480 | Lighted Arrow, Type C, Furn | 8120140 | 2.000 | Ea |
| 0490 | Lighted Arrow, Type C, Oper | 8120141 | 2.000 | Ea |
| 0500 | Minor Traf Devices | 8120170 | 1.000 | LSUM |
| 0510 | Sign Cover | 8120310 | 10.000 | Ea |
| 0520 | Sign, Type A, Temp, Prismatic, Furn | 8120340 | 240.000 | Sft |
| 0530 | Sign, Type A, Temp, Prismatic, Oper | 8120341 | 240.000 | Sft |
| 0540 | Sign, Type B, Temp, Prismatic, Furn | 8120350 | 358.000 | Sft |
| 0550 | Sign, Type B, Temp, Prismatic, Oper | 8120351 | 358.000 | Sft |
| 0560 | Sign, Type B, Temp, Prismatic, Spec, Furn | 8120352 | 302.000 | Sft |
| 0570 | Sign, Type B, Temp, Prismatic, Spec, Oper | 8120353 | 302.000 | Sft |
| 0580 | Traf Regulator Control | 8120370 | 1.000 | LSUM |
| 0590 | _ Reboundable Delineator | 8127050 | 4.000 | Ea |
| 0600 | _ Surface Restoration, Modified | 8167011 | 1,466.000 | Syd |
| 0610 | Conduit, DB, 1, 1 1/2 inch | 8190027 | 10.000 | Ft |
| 0620 | Hh, Adj | 8190244 | 2.000 | Ea |
| 0630 | Hh, Round | 8190260 | 1.000 | Ea |
| 0640 | Case Sign, Rem | 8200020 | 1.000 | Ea |
| 0650 | Case Sign (LED), Two Way, 24 inch by 30 inch | 8200022 | 1.000 | Ea |
| 0660 | Pedestal, Alum | 8200100 | 5.000 | Ea |
| 0670 | Pedestal, Fdn | 8200105 | 6.000 | Ea |
| 0680 | Pedestal Fdn, Rem | 8200106 | 1.000 | Ea |
| 0690 | Pedestal, Rem | 8200110 | 1.000 | Ea |
| 0700 | Pushbutton and Sign | 8200121 | 8.000 | Ea |

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| 0710 | Pushbutton, Rem | 8200122 | 4.000 | Ea |
| 0720 | Pushbutton Pedestal, Alum | 8200123 | 1.000 | Ea |
| 0730 | Traf Loop | 8200170 | 2.000 | Ea |
| 0740 | TS, Pedestrian, Bracket Arm Mtd, Rem | 8200180 | 2.000 | Ea |
| 0750 | TS, Pedestrian, Pedestal Mtd, Rem | 8200181 | 2.000 | Ea |
| 0760 | TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown | 8200339 | 2.000 | Ea |
| 0770 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 8200347 | 2.000 | Ea |
| 0780 | _ Flsh Beacon, Rectangular Rapid, Solar Power | 8207050 | 4.000 | Ea |
| 0790 | _ Dewatering System, Trench | 8257001 | 50.000 | Ft |
| 0800 | _ Polyethylene Encasement of Water Main | 8257001 | 1,822.000 | Ft |
| 0810 | _ Sanitary Building Sewer Pipe, Rem | 8257001 | 100.000 | Ft |
| 0820 | _ Sanitary Building Sewer, PVC, 6 inch, Tr Det F | 8257001 | 100.000 | Ft |
| 0830 | _ Water Main, DI, 12 inch, Tr Det G, Mod | 8257001 | 1,463.000 | Ft |
| 0840 | _ Water Main, DI, 16 inch, Tr Det G, Mod | 8257001 | 75.000 | Ft |
| 0850 | _ Water Main, DI, 8 inch, Tr Det G, Mod | 8257001 | 284.000 | Ft |
| 0860 | _ Connection to Existing Water Main | 8257050 | 14.000 | Ea |
| 0870 | _ Curb Stop and Box, 1 inch | 8257050 | 14.000 | Ea |
| 0880 | _ Curb Stop and Box, Rem | 8257050 | 14.000 | Ea |
| 0890 | _ Fire Hydrant | 8257050 | 6.000 | Ea |
| 0900 | _ Gate Box, Rem | 8257050 | 7.000 | Ea |
| 0910 | _ Gate Valve and Box, 12 inch | 8257050 | 4.000 | Ea |
| 0920 | _ Gate Well, Aband | 8257050 | 9.000 | Ea |
| 0930 | _ Hydrant, Rem | 8257050 | 7.000 | Ea |
| 0940 | _ Line Stop, 12 inch | 8257050 | 1.000 | Ea |
| 0950 | _ Line Stop, 8 inch | 8257050 | 1.000 | Ea |
| 0960 | _ Tapping Sleeve, Valve and Box, 12 inch by 8 inch | 8257050 | 1.000 | Ea |
| 0970 | _ Tapping Sleeve, Valve and Box, 16 inch by 12 inch | 8257050 | 1.000 | Ea |
| 0980 | _ Water Main, 16 inch, Cut and Plug | 8257050 | 2.000 | Ea |
| 0990 | _ Water Main, 6 inch, Cut and Plug | 8257050 | 17.000 | Ea |
| 1000 | _ Water Main, Conflict, 12 inch | 8257050 | 1.000 | Ea |
| 1010 | _ Water Service, 1 inch, Jumper Connect | 8257050 | 23.000 | Ea |
| 1020 | _ Water Service, 1 inch, Long | 8257050 | 10.000 | Ea |
| 1030 | _ Water Service, 1 inch, Short | 8257050 | 4.000 | Ea |
| 1040 | _ Audio Video Route Survey | 8257051 | 1.000 | LSUM |
| 1050 | _ Clean and Televiser Sanitary Sewer | 8267001 | 3,150.000 | Ft |
| 1060 | _ Exploratory Trenching | 8507001 | 147.000 | Ft |