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AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 001

Letting Date: September 7, 2018

Contract ID: 46000-129623

Description: 10.08 mi of hot mix asphalt resurfacing on West Weston Road from the east Morenci city limit to M-52, Lenawee County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129623A	1800910	N/A	STL 46000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$116,700.00	1500001	1.000	LSUM
0020	Approach, CI II	3070021	431.000	Ton
0030	Shoulder, CI II	3070121	1,398.000	Ton
0040	Pavt, Cleaning	5010001	1.000	LSUM
0050	Pavt for Butt Joints, Rem	5010008	664.000	Syd
0060	HMA, 5E1	5010056	15,351.000	Ton
0070	HMA Approach	5010061	629.000	Ton
0080	Pavt Mrkg, Waterborne, 4 inch, White	8110231	105,500.000	Ft
0090	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	40,700.000	Ft
0100	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	105,500.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	40,700.000	Ft
0120	Minor Traf Devices	8120170	1.000	LSUM
0130	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	8,000.000	Ft
0140	Sign, Type B, Temp, Prismatic, Furn	8120350	128.000	Sft
0150	Sign, Type B, Temp, Prismatic, Oper	8120351	128.000	Sft
0160	Traf Regulator Control	8120370	1.000	LSUM
0170	Monument Box Adjust	8210005	30.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 002

Letting Date: September 7, 2018

Contract ID: 78000-129335

Description: Superstructure removal and replacement with approach work on Hoffman Street over the Portage River in the city of Three Rivers, St. Joseph County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129335A	N/A	N/A	MCS 78000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$72,600.00	1500001	1.000	LSUM
0020	Stump, Rem, 6 inch to 18 inch	2020008	4.000	Ea
0030	Curb and Gutter, Rem	2040020	440.000	Ft
0040	Guardrail, Rem	2040035	210.000	Ft
0050	Sidewalk, Rem	2040055	100.000	Syd
0060	Embankment, CIP	2050010	20.000	Cyd
0070	Excavation, Earth	2050016	750.000	Cyd
0080	Erosion Control, Inlet Protection, Fabric Drop	2080020	5.000	Ea
0090	Erosion Control, Silt Fence	2080036	200.000	Ft
0100	Subbase, CIP	3010002	380.000	Cyd
0110	Aggregate Base, 8 inch	3020020	900.000	Syd
0120	Aggregate Surface Cse, 6 inch	3060010	20.000	Syd
0130	Maintenance Gravel	3060020	25.000	Ton
0140	Dr Structure Cover, Adj, Case 2	4030006	5.000	Ea
0150	Dr Structure Cover, Type B	4030010	1.000	Ea
0160	Dr Structure Cover, Type K	4030050	2.000	Ea
0170	HMA Surface, Rem	5010005	1,100.000	Syd
0180	HMA, 13A	5010033	220.000	Ton
0190	Curb and Gutter, Conc, Det F4	8020038	430.000	Ft
0200	Curb Ramp Opening, Conc	8030030	10.000	Ft
0210	Sidewalk Ramp, Conc, 6 inch	8030036	150.000	Sft
0220	Sidewalk, Conc, 4 inch	8030044	750.000	Sft
0230	_ Detectable Warning Surface, Mod	8037001	10.000	Ft
0240	Guardrail, Curved, Type B	8070010	38.000	Ft
0250	Guardrail, Curved, Type T	8070011	38.000	Ft
0260	Guardrail Anch, Bridge, Det T2	8070023	3.000	Ea
0270	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0280	Guardrail Departing Terminal, Type B	8070050	1.000	Ea

0290	Guardrail Reflector	8070080	10.000	Ea
0300	_ Guardrail Anch, Bridge, Det T2, Mod	8077050	1.000	Ea
0310	_ Guardrail Departing Terminal, Type B, Mod	8077050	1.000	Ea
0320	Post, Steel, 3 lb	8100371	28.000	Ft
0330	Sign, Type III, Erect, Salv	8100402	3.000	Ea
0340	Sign, Type III, Rem	8100403	4.000	Ea
0350	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,000.000	Ft
0360	_ Pavt Mrkg, Waterborne, 18 inch, Stop Bar	8117001	25.000	Ft
0370	_ Pavt Mrkg, Waterborne, 6 inch, Crosswalk	8117001	100.000	Ft
0380	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	9.000	Ea
0390	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	9.000	Ea
0400	Minor Traf Devices (SN 10392)	8120170	1.000	LSUM
0410	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0420	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0430	Sign, Type B, Temp, Prismatic, Furn	8120350	350.000	Sft
0440	Sign, Type B, Temp, Prismatic, Oper	8120351	350.000	Sft
0450	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	100.000	Sft
0460	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	100.000	Sft
0470	Mulch Blanket	8160027	300.000	Syd
0480	_ Slope Restoration	8167011	300.000	Syd

Section: 2

0490	Backfill, Structure, CIP	2060002	50.000	Cyd
0500	Excavation, Fdn	2060010	50.000	Cyd
0510	Erosion Control, Turbidity Curtain, Deep	2080042	300.000	Ft
0520	Joint, Expansion, E3	6020208	86.000	Ft
0530	Bridge Ltg, Furn and Rem (SN 10392)	7060001	1.000	LSUM
0540	Bridge Ltg, Oper and Maintain	7060002	130.000	Cyd
0550	False Decking	7060060	4,300.000	Sft
0560	Reinforcement, Steel, Epoxy Coated	7060092	40,000.000	Lb
0570	Substructure Conc	7060100	32.000	Cyd
0580	Superstructure Conc	7060110	60.000	Cyd
0590	Superstructure Conc, Form, Finish, and Cure (SN 10392)	7060111	1.000	LSUM
0600	Superstructure Conc, Form, Finish, and Cure, Night Casting (SN 10392)	7060112	1.000	LSUM
0610	Superstructure Conc, Night Casting	7060113	130.000	Cyd
0620	_ Structure Name Plate	7067050	1.000	Ea
0630	Bearing, Elastomeric, 1 inch	7070012	11,424.000	Sin
0640	Prest Conc Box Beam, Furn, 17 inch	7080055	642.000	Ft
0650	Prest Conc Box Beam, Erect, 17 inch	7080056	642.000	Ft
0660	Joint Waterproofing	7100001	160.000	Sft
0670	Joint Waterproofing, Expansion	7100003	370.000	Sft
0680	Conc Surface Coating (SN 10392)	7100010	1.000	LSUM

0690	Substructure Horizontal Surface Sealer (SN 10392)	7100030	35.000	Syd
0700	Bridge Railing, Aesthetic Parapet Tube	7110005	162.000	Ft
0710	Hand Chipping, Other Than Deck	7120007	10.000	Cft
0720	Patch, Forming	7120017	25.000	Sft
0730	Adhesive Anchoring of Vertical Bar, 5/8 inch	7120033	308.000	Ea
0740	Structures, Rehabilitation, Rem Portions (SN 10392)	7120070	1.000	LSUM
0750	_ Patching Conc, C-L, Mod	7127020	10.000	Cft
0760	Riprap, Heavy	8130006	100.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 180907 003

Letting Date: September 7, 2018

Contract ID: 50000-203253

Description: 0.61 mi of shared-use path rehabilitation including hot mix asphalt base crushing, shaping and resurfacing on the Macomb Orchard Trail from northeast of 32 Mile Road to west of Powell Road, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203253A	1800989	N/A	EMRP 50000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$13,600.00	1500001	1.000	LSUM
0020	Erosion Control, Silt Fence	2080036	6,448.000	Ft
0030	Project Cleanup	2090001	1.000	LSUM
0040	HMA Base Crushing and Shaping	3050002	4,000.000	Syd
0050	Shared use Path, HMA	8060040	865.000	Ton
0060	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0070	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0080	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0090	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0100	Minor Traf Devices	8120170	1.000	LSUM
0110	Plastic Drum, High Intensity, Furn	8120250	20.000	Ea
0120	Plastic Drum, High Intensity, Oper	8120251	20.000	Ea
0130	Sign, Type B, Temp, Prismatic, Furn	8120350	256.000	Sft
0140	Sign, Type B, Temp, Prismatic, Oper	8120351	256.000	Sft
0150	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	150.000	Sft
0160	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	150.000	Sft
0170	Traf Regulator Control	8120370	1.000	LSUM
0180	Water, Sodding/Seeding	8160090	45.000	Unit
0190	_ Turf Establishment	8167011	4,299.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 180907 004

Letting Date: September 7, 2018

Contract ID: 63000-132510

Description: 1.83 mi of concrete pavement, curb, gutter and sidewalk, hot mix asphalt paving, aggregate base, storm sewer, watermain, building removal, landscaping and pavement markings on Baldwin Road from Gregory Road to Waldon Road, Oakland County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132510A	1800975	N/A	EDCF 63000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$1,690,300.00	1500001	1.000	LSUM
0020	_ Clearing, RCOC	2017012	2.250	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	35.000	Ea
0040	Tree, Rem, 37 inch or Larger	2020003	9.000	Ea
0050	Tree, Rem, 6 inch to 18 inch	2020004	107.000	Ea
0060	Stump, Rem, 19 inch to 36 inch	2020006	8.000	Ea
0070	Stump, Rem, 6 inch to 18 inch	2020008	28.000	Ea
0080	_ Bench, Rem, RCOC	2027050	4.000	Ea
0090	Culv, Rem, Less than 24 inch	2030001	17.000	Ea
0100	Culv, Rem, Over 48 inch	2030003	1.000	Ea
0110	Culv, End, Rem, Less than 24 inch	2030005	15.000	Ea
0120	Dr Structure, Abandon	2030010	5.000	Ea
0130	Dr Structure, Rem	2030011	38.000	Ea
0140	Sewer, Rem, Less than 24 inch	2030015	4,128.000	Ft
0150	Sewer, Rem, 24 inch to 48 inch	2030016	96.000	Ft
0160	_ Gas Utility, Rem	2037001	7,500.000	Ft
0170	Asbestos Materials, Rem and Disposal	2040001	200,000.000	Dlr
0180	Curb and Gutter, Rem	2040020	13,544.000	Ft
0190	Fence, Rem	2040025	1,554.000	Ft
0200	Masonry and Conc Structure, Rem	2040045	115.000	Cyd
0210	Pavt, Rem	2040050	604.000	Syd
0220	Sidewalk, Rem	2040055	9,998.000	Syd
0230	Utility Pole, Rem	2040070	9.000	Ea
0240	_ Timber Wall, Rem	2047001	136.000	Ft
0250	_ Septic Tank, Rem	2047050	9.000	Ea
0260	_ Building, Rem, Parcel 100	2047051	1.000	LSUM
0270	_ Building, Rem, Parcel 101	2047051	1.000	LSUM

0280	_ Building, Rem, Parcel 102	2047051	1.000	LSUM
0290	_ Building, Rem, Parcel 105	2047051	1.000	LSUM
0300	_ Building, Rem, Parcel 106	2047051	1.000	LSUM
0310	_ Building, Rem, Parcel 22C	2047051	1.000	LSUM
0320	_ Building, Rem, Parcel 96	2047051	1.000	LSUM
0330	_ Building, Rem, Parcel 97	2047051	1.000	LSUM
0340	_ Building, Rem, Parcel 98	2047051	1.000	LSUM
0350	_ Building, Rem, Parcel 99	2047051	1.000	LSUM
0360	Embankment, CIP	2050010	54,568.000	Cyd
0370	Excavation, Earth	2050016	99,016.000	Cyd
0380	Non Haz Contaminated Material Handling and Disposal, LM	2050031	920.000	Cyd
0390	Subgrade Undercutting, Type II	2050041	1,225.000	Cyd
0400	_ Excavation, Earth, RCOC	2057011	15,689.000	Syd
0410	_ Embankment, Berm, RCOC	2057021	1,243.000	Cyd
0420	_ Exploration for Utility Location	2057021	1,332.000	Cyd
0430	_ Subgrade Undercutting, 21AA	2057021	3,425.000	Cyd
0440	_ Subgrade Undercutting, 3 by 1	2057021	350.000	Cyd
0450	Backfill, Structure, CIP	2060002	927.000	Cyd
0460	Excavation, Fdn	2060010	554.000	Cyd
0470	Erosion Control, Sediment Trap	2080034	11.000	Ea
0480	_ Erosion Control, Check Dam, Stone, RCOC	2087001	448.000	Ft
0490	_ Erosion Control, Silt Fence, RCOC	2087001	11,494.000	Ft
0500	_ Mulch, Temp, Regular, RCOC	2087011	40,000.000	Syd
0510	_ Mulch, Temp, Special, RCOC	2087011	2,000.000	Syd
0520	_ Erosion Control, Inlet Protection, Fabric Drop, RCOC	2087050	335.000	Ea
0530	_ Erosion Control, Inlet Protection, Geotextile and Stone, RCOC	2087050	28.000	Ea
0540	_ Aggregate Base, 10 inch, CIP, 21AA, RCOC	3027011	889.000	Syd
0550	_ Aggregate Base, 12 inch, CIP, 21AA, RCOC	3027011	64,744.000	Syd
0560	_ Aggregate Base, 4 inch, CIP, 21AA, RCOC	3027011	14,002.000	Syd
0570	_ Aggregate Base, 6 inch, CIP, 21AA, RCOC	3027011	1,105.000	Syd
0580	_ Aggregate Base, 8 inch, CIP, 21AA, RCOC	3027011	29,323.000	Syd
0590	_ Aggregate Base, 9 inch, CIP, 21AA, RCOC	3037011	1,526.000	Syd
0600	Maintenance Gravel	3060020	8,400.000	Ton
0610	Shoulder, CI II, 8 inch	3070130	213.000	Syd
0620	_ Approach, 21AA	3077031	263.000	Ton
0630	_ Biaxial Geogrid	3087011	4,000.000	Syd
0640	_ Geotextile Fabric, Type NW 8	3087011	4,000.000	Syd
0650	Culv End Sect, Conc, 12 inch	4010047	28.000	Ea
0660	Culv End Sect, Conc, 15 inch	4010048	5.000	Ea
0670	Culv End Sect, Conc, 18 inch	4010049	2.000	Ea
0680	Culv End Sect, Conc, 36 inch	4010053	1.000	Ea
0690	Culv End Sect, Footing	4010072	4.000	Ea
0700	Culv End Sect, Grate	4010083	1,189.000	Lb

0710	Culv, CI E, 12 inch	4010539	415.000	Ft
0720	Culv, Slp End Sect, Ellip Pipe, 1 on 4, 14 inch by 23 inch, Transv	4011050	1.000	Ea
0730	Culv, Slp End Sect, Ellip Pipe, 1 on 4, 19 inch by 30 inch, Transv	4011052	1.000	Ea
0740	Outfall Label	4011115	3.000	Ea
0750	Sewer, CI IV, 12 inch, Tr Det B	4020987	2,966.000	Ft
0760	Sewer, CI IV, 15 inch, Tr Det B	4020988	4,497.000	Ft
0770	Sewer, CI IV, 18 inch, Tr Det B	4020989	877.000	Ft
0780	Sewer, CI IV, 24 inch, Tr Det B	4020993	2,592.000	Ft
0790	Sewer, CI IV, 30 inch, Tr Det B	4020994	644.000	Ft
0800	Sewer, CI IV, 36 inch, Tr Det B	4020995	97.000	Ft
0810	Sewer, CI IV, 72 inch, Tr Det B	4021001	225.000	Ft
0820	Sewer, CI IV, 84 inch, Tr Det B	4021003	496.000	Ft
0830	Sewer Tap, 6 inch	4021201	1.000	Ea
0840	Sewer Tap, 12 inch	4021204	5.000	Ea
0850	Sewer Tap, 15 inch	4021205	1.000	Ea
0860	Sewer Tap, 18 inch	4021206	2.000	Ea
0870	Sewer Tap, 24 inch	4021207	2.000	Ea
0880	Sewer Tap, 36 inch	4021209	1.000	Ea
0890	Sewer Bulkhead, 12 inch	4021230	2.000	Ea
0900	Sewer Bulkhead, 15 inch	4021231	5.000	Ea
0910	Sewer Bulkhead, 18 inch	4021232	1.000	Ea
0920	Trench Undercut and Backfill	4021260	500.000	Cyd
0930	Video Taping Sewer and Culv Pipe	4021275	12,275.000	Ft
0940	Sewer, Reinf Conc Ellip, HE CI IV, 14 inch by 23 inch, Tr Det B	4021450	141.000	Ft
0950	Sewer, Reinf Conc Ellip, HE CI IV, 19 inch by 30 inch, Tr Det B	4021451	339.000	Ft
0960	_ Maintaining Storm Drainage	4027050	24.000	Ea
0970	_ Sewer Cap, 84 inch	4027050	1.000	Ea
0980	_ Sewer Reducer, 84 inch to 72 inch	4027050	1.000	Ea
0990	Dr Structure Cover, Adj, Case 1	4030005	114.000	Ea
1000	Dr Structure Cover, Adj, Case 2	4030006	30.000	Ea
1010	Dr Structure Cover, Type B	4030010	39.000	Ea
1020	Dr Structure Cover, Type C	4030015	8.000	Ea
1030	Dr Structure Cover, Type D	4030025	72.000	Ea
1040	Dr Structure Cover, Type E	4030035	20.000	Ea
1050	Dr Structure Cover, Type J	4030045	134.000	Ea
1060	Dr Structure Cover, Type K	4030050	63.000	Ea
1070	Dr Structure, 24 inch dia	4030200	70.000	Ea
1080	Dr Structure, 48 inch dia	4030210	160.000	Ea
1090	Dr Structure, 60 inch dia	4030220	22.000	Ea
1100	Dr Structure, 72 inch dia	4030230	5.000	Ea
1110	Dr Structure, 96 inch dia	4030234	2.000	Ea
1120	Dr Structure, Add Depth of 96 inch dia, 8 foot to 15 foot	4030235	1.000	Ft

1130	Dr Structure, Add Depth of 24 inch dia, 8 foot to 15 foot	4030240	1.000	Ft
1140	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	67.000	Ft
1150	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	15.000	Ft
1160	Dr Structure, Add Depth of 72 inch dia, 8 foot to 15 foot	4030270	2.000	Ft
1170	Dr Structure, Adj, Add Depth	4030280	126.000	Ft
1180	Dr Structure, Tap, 12 inch	4030312	2.000	Ea
1190	Dr Structure, Temp Lowering	4030390	31.000	Ea
1200	Mh Riser	4030505	12.000	Ft
1210	Mh, Precast Tee, CI IV, 84 inch	4030784	3.000	Ea
1220	_ Monitoring Well, Adjust	4037001	5.000	Ft
1230	_ Public Utility Structure, Adj, Add Depth	4037001	147.000	Ft
1240	_ Bar Grate	4037030	310.000	Lb
1250	_ Dr Structure, Manhole, 60 inch dia, with Weir	4037050	1.000	Ea
1260	_ Hydrodynamic Separator Structure, 2 cfs	4037050	1.000	Ea
1270	_ Hydrodynamic Separator Structure, 3 cfs	4037050	1.000	Ea
1280	_ Hydrodynamic Separator Structure, 4 cfs	4037050	1.000	Ea
1290	_ Hydrodynamic Separator Structure, 6 cfs	4037050	1.000	Ea
1300	_ Public Utility Structure Cover	4037050	14.000	Ea
1310	_ Public Utility Structure Cover, Adj, Case 1	4037050	46.000	Ea
1320	_ Public Utility Structure Cover, Adj, Case 2	4037050	18.000	Ea
1330	_ Public Utility Structure, Temp Lowering	4037050	15.000	Ea
1340	_ Sediment Trap, 12 inch dia Outlet	4037050	1.000	Ea
1350	_ Sediment Trap, 15 inch dia Outlet	4037050	3.000	Ea
1360	_ Sediment Trap, 24 inch dia Outlet	4037050	1.000	Ea
1370	_ Standpipe System, CSP, 36 inch dia	4037050	2.000	Ea
1380	_ Stormwater Detention Vault, RCOC	4037050	1.000	Ea
1390	Underdrain Outlet, 6 inch	4040093	3,780.000	Ft
1400	_ Underdrain, Subgrade, Open-Graded, 6 inch, RCOC	4047001	24,071.000	Ft
1410	Culv Bedding, Box Culv	4060005	70.000	Cyd
1420	_ Culv, Precast Conc Box, 6 foot by 4 foot, Modified	4067001	128.000	Ft
1430	Cold Milling HMA Surface	5010002	2,516.000	Syd
1440	HMA Surface, Rem	5010005	50,126.000	Syd
1450	Edge Trimming	5010009	1,526.000	Ft
1460	Hand Patching	5010025	500.000	Ton
1470	HMA, 3E3	5010045	1,369.000	Ton
1480	HMA, 4E3	5010051	927.000	Ton
1490	HMA, 5E3	5010057	1,192.000	Ton
1500	_ HMA Approach, Commercial	5017031	865.000	Ton
1510	_ HMA Approach, Parking Lot	5017031	183.000	Ton
1520	_ HMA Approach, Residential	5017031	198.000	Ton
1530	_ HMA Approach, Side Street	5017031	311.000	Ton
1540	_ Pavt, Cleaning, RCOC	5017051	1.000	LSUM

1550	HMA, Temp Pavt (LVSP)	5020807	4,440.000	Ton
1560	Conc Pavt, Misc, Nonreinf, 10 inch	6020058	419.000	Syd
1570	Conc Pavt with Integral Curb, Nonreinf, 8 inch	6020164	3,310.000	Syd
1580	Joint, Contraction, Cp	6020200	550.000	Ft
1590	Joint, Expansion, E2	6020207	692.000	Ft
1600	Joint, Plane-of-Weakness, W	6020211	28,472.000	Ft
1610	Pavt Gapping	6020215	4,000.000	Ft
1620	Conc Pavt, Nonreinf, 10 inch, High Performance	6020504	18,556.000	Syd
1630	Conc Pavt, Misc, Nonreinf, 10 inch, High Performance	6020516	21,308.000	Syd
1640	_ Cold Weather Protection, Curb	6027001	5,500.000	Ft
1650	_ Cold Weather Protection, Pavement	6027011	7,300.000	Syd
1660	_ Conc Pavt, Misc, Decorative Colored, 10 inch	6027011	1,502.000	Syd
1670	_ Conc Pavt, Misc, Decorative Colored, 6 inch	6027011	938.000	Syd
1680	_ Conc Pavt, Misc, Decorative Colored, 8 inch	6027011	90.000	Syd
1690	_ Drive Island, Colored, Mounded, 8 inch	6027011	100.000	Syd
1700	Lane Tie, Epoxy Anchored	6030030	192.000	Ea
1710	Reinforcement, Steel	7060090	2,410.000	Lb
1720	_ Block Retaining Wall, A	7067010	1,721.000	Sft
1730	_ Block Retaining Wall, B	7067010	1,345.000	Sft
1740	_ Block Retaining Wall, C	7067010	614.000	Sft
1750	_ Block Retaining Wall, D	7067010	1,134.000	Sft
1760	_ Pedestrian Path, Temp	8007001	6,480.000	Ft
1770	_ Pedestrian Ramp, Temp	8007050	26.000	Ea
1780	Driveway, Nonreinf Conc, 6 inch	8010005	41.000	Syd
1790	_ Reinforced Turf Driveway	8017011	676.000	Syd
1800	Curb, Conc, Det E1	8020001	717.000	Ft
1810	Curb, Conc, Det E2	8020002	183.000	Ft
1820	Curb and Gutter, Conc, Det B2	8020016	3,578.000	Ft
1830	Curb and Gutter, Conc, Det B3	8020017	14,492.000	Ft
1840	Curb and Gutter, Conc, Det F3	8020037	7,275.000	Ft
1850	Curb and Gutter, Conc, Det F4	8020038	1,610.000	Ft
1860	_ Curb and Gutter, Conc, Det D3, RCOC	8027001	935.000	Ft
1870	_ Curb and Gutter, Conc, Det F4, Modified	8027001	227.000	Ft
1880	_ Driveway Opening, Conc, Det M, RCOC	8027001	2,432.000	Ft
1890	_ Spillway, Conc, RCOC	8027001	25.000	Ft
1900	Detectable Warning Surface	8030010	681.000	Ft
1910	Curb Ramp Opening, Conc	8030030	980.000	Ft
1920	Sidewalk Ramp, Conc, 6 inch	8030036	11,216.000	Sft
1930	Sidewalk, Conc, 4 inch	8030044	41,373.000	Sft
1940	Sidewalk, Conc, 6 inch	8030046	4,717.000	Sft
1950	Steps, Conc	8030100	2.000	Cyd
1960	_ Railing for Steps, RCOC	8037001	24.000	Ft
1970	Curb Vertical, HMA	8050020	290.000	Ft
1980	Shared use Path, HMA	8060040	1,104.000	Ton
1990	Post, Mailbox	8070095	45.000	Ea

2000	Fence, Protective	8080007	1,110.000	Ft
2010	Fence, Chain Link, 72 inch	8080013	883.000	Ft
2020	Fence Gate, 8 foot, for 72 inch Chain Link Fence	8080043	4.000	Ea
2030	_ Fence, Aesthetic, 48 inch, Type 1	8087001	160.000	Ft
2040	_ Fence, Aesthetic, 48 inch, Type 2	8087001	908.000	Ft
2050	_ Fence, Chain Link, 48 inch, ITC	8087001	448.000	Ft
2060	_ Bollard	8087050	13.000	Ea
2070	_ Fence Gate, 12 foot, for 48 inch Chain Link Fence, ITC	8087050	4.000	Ea
2080	_ Field Office, CL 3, RCOC	8097043	10.000	Mo
2090	Post, Steel, 3 lb	8100371	2,326.000	Ft
2100	Post, Wood, 4 inch by 6 inch	8100380	332.000	Ft
2110	Sign, Type II, Erect, Salv	8100396	5.000	Ea
2120	Sign, Type II, Rem	8100397	17.000	Ea
2130	Sign, Type IIA	8100398	170.000	Sft
2140	Sign, Type IIB	8100399	96.000	Sft
2150	Sign, Type III, Erect, Salv	8100402	33.000	Ea
2160	Sign, Type III, Rem	8100403	77.000	Ea
2170	Sign, Type IIIA	8100404	218.000	Sft
2180	Sign, Type IIIB	8100405	604.000	Sft
2190	Mast Arm Pole, Cat III	8100512	12.000	Ea
2200	Mast Arm, 30 foot, Cat III	8100542	12.000	Ea
2210	_ Mast Arm Pole Fdn, RCOC	8107001	162.000	Ft
2220	_ Business Sign, Rem, RCOC	8107050	10.000	Ea
2230	_ Post Hole Through Conc. For Steel Post- 6 Inch Diameter	8107050	6.000	Ea
2240	_ Post, Flexible, Delineator, RCOC	8107050	12.000	Ea
2250	_ Street Sign Post	8107050	4.000	Ea
2260	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	1,230.000	Ft
2270	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	8110044	600.000	Ft
2280	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	6.000	Ea
2290	Pavt Mrkg, Ovly Cold Plastic, Thru and Lt Turn Arrow Sym	8110076	22.000	Ea
2300	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	13.000	Ea
2310	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	8110078	7.000	Ea
2320	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	100.000	Ft
2330	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	100.000	Ft
2340	Rem Curing Compound, for Longit Mrkg, 8 inch	8110309	100.000	Ft
2350	Rem Curing Compound, for Spec Mrkg	8110321	2,103.000	Sft
2360	Rem Spec Mrkg	8110343	1,810.000	Sft
2370	Recessing Pavt Mrkg, Longit	8110450	20,100.000	Ft
2380	Recessing Pavt Mrkg, Transv	8110451	900.000	Sft
2390	Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 6 inch, White	8110491	8,800.000	Ft
2400	Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 8 inch, White	8110492	700.000	Ft

2410	Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 4 inch, Yellow	8110494	10,600.000	Ft
2420	Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 6 inch, Yellow	8110495	1,600.000	Ft
2430	_ Pavt Mrkg, Ovly Cold Plastic, 6 inch, Cross Hatching, White	8117001	170.000	Ft
2440	_ Pavt Mrkg, Ovly Cold Plastic, 6 inch, Cross Hatching, Yellow	8117001	210.000	Ft
2450	_ Pavt Mrkg, Ovly Cold Plastic, Circle (Roundabout) Symbol	8117050	14.000	Ea
2460	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	100.000	Ea
2470	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	100.000	Ea
2480	Pedestrian Type II Barricade, Temp	8120026	40.000	Ea
2490	Channelizing Device, 42 inch, Furn	8120030	200.000	Ea
2500	Channelizing Device, 42 inch, Oper	8120031	200.000	Ea
2510	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	2.000	Ea
2520	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	2.000	Ea
2530	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	7.000	Ea
2540	Conc Barrier, Temp, Furn	8120081	443.000	Ft
2550	Conc Barrier, Temp, Oper	8120082	443.000	Ft
2560	Conc Barrier, Temp, Relocated	8120083	1,232.000	Ft
2570	Culv, Temp	8120090	13.000	Ea
2580	Dust Palliative, Applied	8120100	200.000	Ton
2590	High Intensity Light, Type B, Furn	8120110	4.000	Ea
2600	High Intensity Light, Type B, Oper	8120111	4.000	Ea
2610	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
2620	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
2630	Minor Traf Devices	8120170	1.000	LSUM
2640	Mobile Attenuator	8120180	2.000	Ea
2650	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	31,119.000	Ft
2660	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	43,063.000	Ft
2670	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	39,615.000	Ft
2680	Plastic Drum, High Intensity, Furn	8120250	500.000	Ea
2690	Plastic Drum, High Intensity, Oper	8120251	500.000	Ea
2700	Sign Cover	8120310	100.000	Ea
2710	Sign, Portable, Changeable Message, Furn	8120330	3.000	Ea
2720	Sign, Portable, Changeable Message, Oper	8120331	3.000	Ea
2730	Sign, Type A, Temp, Prismatic, Furn	8120340	528.000	Sft
2740	Sign, Type A, Temp, Prismatic, Oper	8120341	528.000	Sft
2750	Sign, Type B, Temp, Prismatic, Furn	8120350	2,625.000	Sft
2760	Sign, Type B, Temp, Prismatic, Oper	8120351	2,625.000	Sft
2770	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	2,070.000	Sft
2780	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	2,070.000	Sft
2790	Traf Regulator Control	8120370	1.000	LSUM

2800	_ Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	8127001	42,819.000	Ft
2810	_ Pavt Mrkg, Wet Reflective, Type R, 12 inch, Yellow, Cross Hatching	8127001	1,380.000	Ft
2820	_ Pavt Mrkg, Wet Reflective, Type R, 18 inch, Stop Bar	8127001	835.000	Ft
2830	_ Pavt Mrkg, Wet Reflective, Type R, 6 inch, Crosswalk	8127001	1,895.000	Ft
2840	_ Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8127001	25,319.000	Ft
2850	_ Pedestrian Channelizing Device	8127001	600.000	Ft
2860	_ Pavt Mrkg, Wet Reflective, Type R, Lt Turn Arrow Sym	8127050	37.000	Ea
2870	_ Pavt Mrkg, Wet Reflective, Type R, Only	8127050	5.000	Ea
2880	_ Pavt Mrkg, Wet Reflective, Type R, Rt Turn Arrow Sym	8127050	4.000	Ea
2890	_ Riprap, Plain, RCOC	8137011	372.000	Syd
2900	Site Preparation, Max \$800.00	8150001	1.000	LSUM
2910	Watering and Cultivating, First Season, Min \$53,000.00	8150002	1.000	LSUM
2920	Watering and Cultivating, Second Season, Min \$65,400.00	8150003	1.000	LSUM
2930	Calamagrostis x acutiflora Karl Foerster, # 1 cont.	8150603	304.000	Ea
2940	Coreopsis verticillata Zagreb, #1 cont.	8150900	172.000	Ea
2950	Liriope muscari Big Blue, #1 cont.	8152188	7,747.000	Ea
2960	Rosa radRazz Knock Out, #5 cont.	8153262	68.000	Ea
2970	Thuja occidentalis Nigra, 6 foot	8153817	28.000	Ea
2980	_ Wildflower Seed Mix 1	8157010	1,201.000	Sft
2990	_ Wildflower Seed Mix 2	8157010	1,134.000	Sft
3000	_ Wildflower Seed Mix 3	8157010	3,371.000	Sft
3010	_ Wildflower Seed Mix 4	8157010	930.000	Sft
3020	_ Wildflower Seed Mix 5	8157010	2,778.000	Sft
3030	_ Abie balsamea var. phanerolepis, 7-8 foot	8157050	4.000	Ea
3040	_ Carpinus betulus 'Fastigiata', 3"	8157050	23.000	Ea
3050	_ Carpinus caroliniana, 3"	8157050	7.000	Ea
3060	_ Cornus stolonifera `Arctic Fire', #3 cont	8157050	212.000	Ea
3070	_ Crataegus crus-galli 'Cruzam', 1.5"	8157050	23.000	Ea
3080	_ Euonymus alatas 'Pipzam', #5 cont.	8157050	283.000	Ea
3090	_ Gleditsia tricanthos var. inermis 'Elegantissima', 3"	8157050	39.000	Ea
3100	_ Gleditsia tricanthos var. inermis 'Impcole', 3"	8157050	18.000	Ea
3110	_ Ilex glabra 'Compacta', #3 cont	8157050	86.000	Ea
3120	_ Juniperus chinensis 'Blue Point', 8 foot	8157050	50.000	Ea
3130	_ Juniperus chinensis 'Fairview', 5-6 foot	8157050	29.000	Ea
3140	_ Juniperus horizontalis 'Limeglow', #3 cont	8157050	162.000	Ea
3150	_ Juniperus x pfitzeriana 'Kallay's Compact', #5 cont	8157050	50.000	Ea
3160	_ Miscanthus sinensis 'Purpurascens', #2 cont.	8157050	310.000	Ea
3170	_ Picea pungens 'Baby Blue', 6-7 foot	8157050	27.000	Ea
3180	_ Picea pungens 'Bakeri', 5-6 foot	8157050	12.000	Ea
3190	_ Quercus palustris 'Pacific Brilliance', 3"	8157050	19.000	Ea

3200	_ Syringa reticulata 'Snowdance', 2.5"	8157050	45.000	Ea
3210	_ Thuja occidentalis 'Nigra', 8 foot	8157050	3.000	Ea
3220	_ Thuja occidentalis 'Smaragd', 7-8 foot	8157050	52.000	Ea
3230	_ Thuja plicata 'Forever Goldy', #3 cont.	8157050	54.000	Ea
3240	_ Tsuga canadensis, 10 foot	8157050	4.000	Ea
3250	_ Vinca minor 'Illumination', #1 cont.	8157050	3,468.000	Ea
3260	_ Decorative Fountain	8157051	1.000	LSUM
3270	_ Underground Automatic Irrigation System	8157051	1.000	LSUM
3280	Mulch	8160025	4,478.000	Syd
3290	_ Steel Edging, 4" x 3/16", black	8167001	5,656.000	Ft
3300	_ Stacked Stone Wall	8167010	1,022.000	Sft
3310	_ Landscape Fabric	8167011	812.000	Syd
3320	_ Planting Mix, Furn, 12 inch	8167011	4,157.000	Syd
3330	_ Turf Establishment, ES Seed, Special Mulch, Performance, RCOC	8167011	1,989.000	Syd
3340	_ Turf Establishment, Sod, Performance, RCOC	8167011	7,181.000	Syd
3350	_ Turf Establishment, THM Seed, Regular Mulch, Performance, RCOC	8167011	74,625.000	Syd
3360	_ Decorative Gravel, Furn, 3 inch	8167021	69.000	Cyd
3370	_ Planting Mix, LM	8167021	124.000	Cyd
3380	_ Boulder (10"-15" Dia.)	8167050	12.000	Ea
3390	Cable Pole, Sec, Disman	8190006	1.000	Ea
3400	Cable Pole, TS and Sec, Disman	8190009	1.000	Ea
3410	Cable Pole, TS, Disman	8190010	4.000	Ea
3420	Cable, Sec, Rem	8190017	395.000	Ft
3430	Conduit, DB, 1, 1 1/4 inch	8190026	470.000	Ft
3440	Conduit, DB, 1, 3 inch	8190029	265.000	Ft
3450	Conduit, DB, 2, 3 inch	8190032	140.000	Ft
3460	Conduit, DB, 3, 3 inch	8190035	1,005.000	Ft
3470	Conduit, DB, 3, 4 inch	8190036	30.000	Ft
3480	Conduit, Schedule 40, 2 inch	8190147	126.000	Ft
3490	Conduit, Schedule 40, 4 inch	8190151	126.000	Ft
3500	Conduit, Schedule 80 PVC, 4 inch	8190161	3,103.000	Ft
3510	DB Cable, in Conduit, 600V, 1/C#2/0	8190203	150.000	Ft
3520	DB Cable, in Conduit, 600V, 1/C#6	8190211	4,895.000	Ft
3530	Cable, Equipment Grounding Wire, 1/C#6	8190236	1,985.000	Ft
3540	Hh, Polymer Conc	8190250	2.000	Ea
3550	Hh, Rem	8190254	8.000	Ea
3560	Hh, Round	8190260	25.000	Ea
3570	Cable, Sec, Triplex, 1, 3/C#4	8190418	255.000	Ft
3580	Wood Pole	8190465	9.000	Ea
3590	Wood Pole, Rem	8190505	13.000	Ea
3600	Conduit, Directional Bore, 2, 4 inch	8190605	585.000	Ft
3610	_ Cable, Sec, 600V, 1, 2/C#4, #6 Ground, RCOC	8197001	130.000	Ft
3620	_ Conduit, DB, 1, 2 inch	8197001	100.000	Ft

3630	_ Conduit, DB, 4, 2 inch	8197001	95.000	Ft
3640	_ Conduit, Schedule 40 PVC, 2 Inch, RCOC	8197001	10,210.000	Ft
3650	_ Conduit, Schedule 40, 6 inch	8197001	8.000	Ft
3660	_ Conduit, Schedule 80 PVC, 12 inch	8197001	57.000	Ft
3670	_ Telephone Utility, Rem	8197001	4,065.000	Ft
3680	_ Accent Lighting, Fixture	8197050	13.000	Ea
3690	_ Bracket Arm, 6 foot, RCOC	8197050	12.000	Ea
3700	_ Conduit, Schedule 80 PVC, 12 inch, Marker	8197050	1.000	Ea
3710	_ Decorative Luminaire, Orion Twp	8197050	12.000	Ea
3720	_ Electrical Receptacle in Landscape Area	8197050	8.000	Ea
3730	_ Floodlight, Rem and Salv, RCOC	8197050	2.000	Ea
3740	_ Hh, Square, RCOC	8197050	3.000	Ea
3750	_ Lighting Control Panel	8197050	1.000	Ea
3760	_ Ornamental Light Relocation	8197050	1.000	Ea
3770	_ Street Lighting Control Unit	8197050	2.000	Ea
3780	Anchor Guy	8200001	5.000	Ea
3790	Case Sign, Rem	8200020	5.000	Ea
3800	Controller and Cabinet, Rem	8200030	4.000	Ea
3810	Controller Fdn, Base Mount	8200045	3.000	Ea
3820	Controller Fdn, Rem	8200046	2.000	Ea
3830	Fdn, Rem	8200065	3.000	Ea
3840	Pedestal, Alum	8200100	12.000	Ea
3850	Pedestal, Fdn	8200105	12.000	Ea
3860	Pedestal Fdn, Rem	8200106	1.000	Ea
3870	Pedestal, Rem	8200110	1.000	Ea
3880	Power Co. (Est. Cost to Contractor)	8200116	5,000.000	Dlr
3890	Pushbutton, Rem	8200122	12.000	Ea
3900	Push Button Station and Sign	8200128	24.000	Ea
3910	Serv Disconnect	8200135	8.000	Ea
3920	Serv Disconnect, Rem	8200136	4.000	Ea
3930	Span Wire, Rem	8200141	1.000	Ea
3940	Steel Pole, Rem	8200145	3.000	Ea
3950	Guy, Rem	8200167	6.000	Ea
3960	TS, Bracket Arm Mtd, Rem	8200175	3.000	Ea
3970	TS, Pedestal Mtd, Rem	8200179	1.000	Ea
3980	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	16.000	Ea
3990	TS, Pedestrian, Pedestal Mtd, Rem	8200181	1.000	Ea
4000	TS, Span Wire Mtd, Rem	8200182	17.000	Ea
4010	TS, One Way Span Wire Mtd, Salv	8200191	6.000	Ea
4020	TS, Pedestrian, Two Way Bracket Arm Mtd, Salv	8200228	8.000	Ea
4030	Pedestrian Signal System, Accessible	8200240	3.000	Ea
4040	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	12.000	Ea
4050	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	12.000	Ea

4060	Wireless Vehicle Sensor Node, Rem	8200426	36.000	Ea
4070	TS, Bag	8200450	40.000	Ea
4080	TS, Bag, Rem	8200451	36.000	Ea
4090	TS Head, Adj	8200452	24.000	Ea
4100	TS Head, Temp	8200453	25.000	Ea
4110	Casing	8200480	100.000	Ft
4120	_ Autoscope Camera, Rem, RCOC	8207050	4.000	Ea
4130	_ Bracket Arm, Rem, RCOC	8207050	5.000	Ea
4140	_ Controller and Cabinet, Digital Type, Delivered, RCOC	8207050	5.000	Ea
4150	_ Controller and Cabinet, Digital Type, RCOC	8207050	5.000	Ea
4160	_ Mast Arm, Mtd, Sign, Type IIIB, RCOC	8207050	12.000	Ea
4170	_ Pushbutton Support Post, RCOC	8207050	1.000	Ea
4180	_ Span Wire, Box, RCOC	8207050	3.000	Ea
4190	_ Span Wire, Box, Rem, RCOC	8207050	5.000	Ea
4200	_ Support Post, Rem, RCOC	8207050	11.000	Ea
4210	_ TS, One Way Bracket Arm Mtd, Three Sect (LED), RCOC	8207050	12.000	Ea
4220	_ TS, One Way Mast Arm Mtd, Three Sect (LED), RCOC	8207050	12.000	Ea
4230	_ TS, One Way Pedestal Mtd, Three Sect (LED), RCOC	8207050	12.000	Ea
4240	_ TS, Service Rack, Metered, RCOC	8207050	6.000	Ea
4250	_ Wood Post, Rem	8207050	2.000	Ea
4260	Water Shutoff, Adj, Case 1	8230421	25.000	Ea
4270	Water Shutoff, Adj, Case 2	8230422	25.000	Ea
4280	_ AC Water Main, Rem	8237001	284.000	Ft
4290	_ Sanitary Sewer Lead, PVC, 6 inch, Tr Det G	8237001	307.000	Ft
4300	_ Sprinkler Line	8237001	1,000.000	Ft
4310	_ Water Main Conflict, 16 inch	8237001	150.000	Ft
4320	_ Water Main, Abandon, with Flowable Fill	8237001	4,933.000	Ft
4330	_ Water Main, DI, 12 inch, Directional Bore	8237001	944.000	Ft
4340	_ Water Main, DI, 12 inch, Tr Det G	8237001	989.000	Ft
4350	_ Water Main, DI, 16 inch, Tr Det G	8237001	2,768.000	Ft
4360	_ Water Main, DI, 8 inch, Tr Det G	8237001	186.000	Ft
4370	_ Water Main, HDPE DR-11, 20 inch, Directional Bore	8237001	535.000	Ft
4380	_ Water Main, Polyethylene Encasement	8237001	400.000	Ft
4390	_ Water Main, Rem, Modified	8237001	1,329.000	Ft
4400	_ Water Service, Temporary, 2 inch	8237001	200.000	Ft
4410	_ 6 inch x 16 inch Tapping Sleeve & Valve	8237050	1.000	Ea
4420	_ Connection to Existing Water Main	8237050	29.000	Ea
4430	_ Curb Stop and Box, 1 inch	8237050	2.000	Ea
4440	_ Curb Stop and Box, 2 inch	8237050	7.000	Ea
4450	_ Fire Hydrant, Assembly	8237050	18.000	Ea
4460	_ Gate Valve and Well, 12 inch	8237050	10.000	Ea
4470	_ Gate Valve and Well, 16 inch	8237050	9.000	Ea

4480	_ Gate Valve and Well, 8 inch	8237050	5.000	Ea
4490	_ Gate Well, Rem, Modified	8237050	15.000	Ea
4500	_ Hydrant, Rem, Modified	8237050	12.000	Ea
4510	_ Irrigation Control Box, Relocate	8237050	12.000	Ea
4520	_ Irrigation Control Box, Replace	8237050	5.000	Ea
4530	_ Sanitary Sewer Lead Connection	8237050	1.000	Ea
4540	_ Sprinkler Head, Relocate	8237050	200.000	Ea
4550	_ Sprinkler Head, Replace	8237050	200.000	Ea
4560	_ Water Main, Cut and Cap	8237050	7.000	Ea
4570	_ Water Serv, 1 inch, Long	8237050	2.000	Ea
4580	_ Water Serv, 1 inch, Short	8237050	1.000	Ea
4590	_ Water Serv, 2 inch, Long	8237050	4.000	Ea
4600	_ Water Serv, 2 inch, Short	8237050	5.000	Ea
4610	_ Water Well, Abandon	8237050	9.000	Ea
4620	Flowable Fill, Non-Structural	8260148	615.000	Cyd
4630	_ Culvert Waterproofing	8267010	2,304.000	Sft
4640	_ Temp Pavement Repair	8507011	978.000	Syd
4650	_ Temp Pavement Repair, Mobilization	8507050	12.000	Ea
4660	_ Reimbursed Permit Fees	8507060	11,500.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 180907 005

Letting Date: September 7, 2018

Contract ID: 82024-113125

Description: Removal and replacement of two structures and approach work above I-94 at Second Avenue and Brush Street in the city of Detroit, Wayne County . This Project contains two 5 year materials and workmanship pavement warranties and a 2 year concrete surface coating warranty. Only shortlisted contractors as determined through MDOT's Request for Qualifications are eligible to bid on this project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
113125A	1801017	N/A	NH 82024
113558A	1801016	N/A	IM 82024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Dispute Review Board, Hearing	1040010	54,000.000	Dlr
0020	Dispute Review Board, Hearing, Additional Day	1040020	135,000.000	Dlr
0030	Dispute Review Board, Appeal Hearing	1040030	54,000.000	Dlr
0040	Dispute Review Board, Appeal Hearing, Additional Day	1040040	135,000.000	Dlr
0050	Dispute Review Board, Progress Meeting	1040050	63,000.000	Dlr
0060	_ Audio-Visual Filming	1047051	1.000	LSUM
0070	Critical Path Method Schedule	1080005	15,000.000	Dlr
0080	Mobilization, Max \$3,093,000.00	1500001	1.000	LSUM
0090	Clearing	2010001	0.050	Acre
0100	Tree, Rem, 19 inch to 36 inch	2020002	5.000	Ea
0110	Tree, Rem, 6 inch to 18 inch	2020004	12.000	Ea
0120	Dr Structure, Abandon	2030010	1.000	Ea
0130	Dr Structure, Rem	2030011	20.000	Ea
0140	Sewer, Rem, Less than 24 inch	2030015	942.000	Ft
0150	_ Abandon Utility, Rem 12 inch	2037001	183.000	Ft
0160	_ Abandon Utility, Rem 16 inch	2037001	373.000	Ft
0170	_ Abandon Utility, Rem 3 inch	2037001	73.000	Ft
0180	_ Abandon Utility, Rem 4 inch	2037001	844.000	Ft
0190	_ Abandon Utility, Rem 6 inch	2037001	173.000	Ft
0200	_ Abandon Utility, Rem 8 inch	2037001	237.000	Ft
0210	Asbestos Materials, Rem and Disposal	2040001	858,200.000	Dlr
0220	Concrete Barrier, Rem	2040010	1,612.000	Ft
0230	Curb and Gutter, Rem	2040020	1,473.000	Ft
0240	Fence, Rem	2040025	820.000	Ft
0250	Glare Screen, Rem	2040030	411.000	Ft
0260	Masonry and Conc Structure, Rem	2040045	20.000	Cyd

0270	Pavt, Rem	2040050	9,684.000	Syd
0280	Sidewalk, Rem	2040055	1,484.000	Syd
0290	Track, Rem	2040065	1,000.000	Ft
0300	Exploratory Investigation, Vertical	2040080	500.000	Ft
0310	Embankment, CIP	2050010	5,093.000	Cyd
0320	Excavation, Earth	2050016	6,237.000	Cyd
0330	Non Haz Contaminated Material Handling and Disposal, LM	2050031	3,000.000	Cyd
0340	Subgrade Undercutting, Type II	2050041	900.000	Cyd
0350	Erosion Control, Gravel Access Approach	2080016	14.000	Ea
0360	Erosion Control, Inlet Protection, Fabric Drop	2080020	121.000	Ea
0370	Erosion Control, Inlet Protection, Sediment Trap	2080024	19.000	Ea
0380	Erosion Control, Maintenance, Sediment Removal	2080026	85.000	Cyd
0390	Erosion Control, Silt Fence	2080036	5,696.000	Ft
0400	Project Cleanup	2090001	1.000	LSUM
0410	Subbase, CIP	3010002	4,552.000	Cyd
0420	Aggregate Base	3020001	2,850.000	Ton
0430	Aggregate Base, 6 inch	3020016	11,395.000	Syd
0440	Aggregate Base, 8 inch	3020020	447.000	Syd
0450	Geotextile, Stabilization	3080010	900.000	Syd
0460	Sewer, CI A, 12 inch, Tr Det A	4020004	173.000	Ft
0470	Sewer, CI A, 12 inch, Tr Det B	4020033	2,095.000	Ft
0480	Sewer, CI A, 18 inch, Tr Det B	4020035	70.000	Ft
0490	Sewer, CI A, 24 inch, Tr Det B	4020036	8.000	Ft
0500	Sewer, CI B, 24 inch, Tr Det B	4020186	9.000	Ft
0510	Sewer Tap, 12 inch	4021204	2.000	Ea
0520	Sewer Tap, 36 inch	4021209	1.000	Ea
0530	Sewer Tap, 42 inch	4021210	1.000	Ea
0540	Sewer Bulkhead, 36 inch	4021237	2.000	Ea
0550	Sewer Bulkhead, 42 inch	4021238	2.000	Ea
0560	Trench Undercut and Backfill	4021260	200.000	Cyd
0570	Video Taping Sewer and Culv Pipe	4021275	8,470.000	Ft
0580	_ Bypass Pumping	4027051	1.000	LSUM
0590	Dr Structure Cover, Adj, Case 1	4030005	40.000	Ea
0600	Dr Structure Cover, Adj, Case 2	4030006	8.000	Ea
0610	Dr Structure Cover, Type B	4030010	13.000	Ea
0620	Dr Structure Cover, Type D	4030025	4.000	Ea
0630	Dr Structure Cover, Type G	4030040	3.000	Ea
0640	Dr Structure Cover, Type K	4030050	43.000	Ea
0650	Dr Structure Lead, Cleaning, 12 inch	4030112	500.000	Ft
0660	Dr Structure, 24 inch dia	4030200	26.000	Ea
0670	Dr Structure, 48 inch dia	4030210	39.000	Ea
0680	Dr Structure, Add Depth of 24 inch dia, 8 foot to 15 foot	4030240	1.000	Ft
0690	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	69.000	Ft

0700	Dr Structure, Add Depth of 48 inch dia, more than 15 foot	4030251	5.000	Ft
0710	Dr Structure, Adj, Add Depth	4030280	33.000	Ft
0720	Dr Structure, Cleaning	4030290	6.000	Ea
0730	Dr Structure, Tap, 6 inch	4030306	43.000	Ea
0740	Dr Structure, Tap, 12 inch	4030312	3.000	Ea
0750	Dr Structure, Tap, 24 inch	4030324	1.000	Ea
0760	Dr Structure, Tap, 36 inch	4030336	1.000	Ea
0770	Dr Structure, Tap, 42 inch	4030342	1.000	Ea
0780	Dr Structure, Temp Lowering	4030390	1.000	Ea
0790	_ Dr Structure Cover, Type B, Modified	4037050	1.000	Ea
0800	_ Dr Structure Cover, Type DX, Modified	4037050	10.000	Ea
0810	_ Dr Structure Cover, Type VG, Modified	4037050	4.000	Ea
0820	_ Gate Well Cover	4037050	8.000	Ea
0830	_ Hh, Heavy Duty Cover, Modified	4037050	8.000	Ea
0840	_ Sewer Structure Cover	4037050	8.000	Ea
0850	Underdrain, Subbase, 6 inch	4040063	6,720.000	Ft
0860	Underdrain Outlet, 6 inch	4040093	1,644.000	Ft
0870	_ Underdrain, Rem	4047001	900.000	Ft
0880	Pavt, Cleaning	5010001	1.000	LSUM
0890	Cold Milling HMA Surface	5010002	3,097.000	Syd
0900	HMA Surface, Rem	5010005	11,438.000	Syd
0910	HMA Quality Initiative	5010007	1,066.000	Dlr
0920	Hand Patching	5010025	232.000	Ton
0930	HMA, 5E3	5010057	237.000	Ton
0940	HMA, 4E30, High Stress	5010511	32.000	Ton
0950	HMA, 5E30, High Stress	5010517	32.000	Ton
0960	HMA, Temp Pavt (3E3)	5010804	50.000	Ton
0970	HMA, Temp Pavt (4E3)	5010805	90.000	Ton
0980	_ HMA, Temp Pavt (2E3)	5017031	70.000	Ton
0990	Conc Base Cse, Nonreinf, 10 inch	6020023	142.000	Syd
1000	Conc Pavt, Curing Horizontal Surfaces	6020159	8,210.000	Syd
1010	Joint, Contraction, C3p	6020201	1,284.000	Ft
1020	Joint, Expansion, E3	6020208	292.000	Ft
1030	Joint, Contraction Cp, Intersection	6020250	1,500.000	Ft
1040	Joint, Expansion E2, Intersection	6020270	346.000	Ft
1050	Joint, Plane-of-Weakness W, Intersection	6020310	130.000	Ft
1060	Conc Quality Initiative	6020401	19,011.000	Dlr
1070	Conc Pavt, Misc, Nonreinf, 9 inch, High Performance	6020514	5,084.000	Syd
1080	Shoulder, Nonreinf Conc, High Performance	6020524	2,100.000	Syd
1090	_ Joint, Contraction, Cp, Modified	6027001	3,441.000	Ft
1100	_ Joint, Expansion, E2, Modified	6027001	283.000	Ft
1110	_ Conc Pavt, Misc, Nonreinf, 14 inch, High Performance	6027011	642.000	Syd
1120	Cold Milling Conc Pavt	6030014	122.000	Syd

1130	Joint, Tied, Trg	6030023	348.000	Ft
1140	Lane Tie, Epoxy Anchored	6030030	1,134.000	Ea
1150	Steel Sheet Piling, Temp, Left in Place	7040003	1,200.000	Sft
1160	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	384.000	Syd
1170	Conc, Grade S2	7060011	40.000	Cyd
1180	Reinforcement, Steel	7060090	800.000	Lb
1190	Reflective Marker, Permanent Barrier	7110003	80.000	Ea
1200	Bolt, Adhesive Anchored, 1/2 inch	7120040	32.000	Ea
1210	_ Combined Sewer, Conc, 36 inch, Tr Det B	8007001	24.000	Ft
1220	_ Combined Sewer, Conc, 42 inch, Tr Det B	8007001	43.000	Ft
1230	_ Combined Sewer, Rem, 24 inch to 48 inch	8007001	78.000	Ft
1240	_ Combined Sewer, Rem, Less than 24 inch	8007001	66.000	Ft
1250	_ Combined Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	8007001	3.000	Ft
1260	_ Conduit, Clean and Test	8007001	1,185.000	Ft
1270	_ Fiber Optic, Cable, Reinstall	8007001	2,650.000	Ft
1280	_ Fiber Optic, Cable, Rem	8007001	2,850.000	Ft
1290	_ Cellular Modem, 4G	8007050	1.000	Ea
1300	_ Combined Structure, 48 inch dia	8007050	1.000	Ea
1310	_ Combined Structure, Rem	8007050	1.000	Ea
1320	_ Fiber Optic Equipment, Install Salv	8007050	1.000	Ea
1330	_ Fiber Optic Equipment, Rem and Salv	8007050	1.000	Ea
1340	_ Hh, Clean	8007050	16.000	Ea
1350	_ Power Serv, Install Salv	8007050	1.000	Ea
1360	_ Power Serv, Rem and Salv	8007050	1.000	Ea
1370	_ Underground Splice Enclosure	8007050	7.000	Ea
1380	_ Restoration of Bridge Staging Area and Travel Path	8007051	1.000	LSUM
1390	_ System Testing	8007051	1.000	LSUM
1400	_ Vibration Monitoring, Utility (S01 of 82024)	8007051	1.000	LSUM
1410	_ Vibration Monitoring, Utility (S05 of 82024)	8007051	1.000	LSUM
1420	Curb, Conc, Det E1	8020001	3,427.000	Ft
1430	Driveway Opening, Conc, Det M	8020050	143.000	Ft
1440	_ Curb, Conc, Det E1, Modified	8027001	475.000	Ft
1450	_ Valley Gutter, Conc, 14 inch, Modified	8027001	1,472.000	Ft
1460	Curb Ramp Opening, Conc	8030030	153.000	Ft
1470	Sidewalk, Conc, 4 inch	8030044	2,380.000	Sft
1480	Conc Barrier, Single Face, Type A	8040001	649.000	Ft
1490	Glare Screen, Conc	8040015	248.000	Ft
1500	Glare Screen, Conc, Split	8040016	149.000	Ft
1510	Light Std Fdn, Conc Barrier	8040020	2.000	Ea
1520	Sign Support Fdn, Conc Barrier, Truss Type C	8040026	1.000	Ea
1530	Conc Barrier Backfill, CIP	8040030	1,085.000	Cyd
1540	_ Conc Barrier, Double Face, Type A, Modified, 0-2 Feet	8047001	248.000	Ft
1550	_ Conc Barrier, Single Face, Type A, Modified	8047001	605.000	Ft

1560	_ Conc Barrier, Split, Type A, Special, 0-2 Feet	8047001	156.000	Ft
1570	_ Glare Screen, Temp, Replaced	8047001	50.000	Ft
1580	_ Conc Barrier, Double Face, Mh Panel	8047050	2.000	Ea
1590	_ Glare Screen, Temp, Blade, Replaced	8047050	50.000	Ea
1600	Fence, Chain Link, 48 inch	8080011	714.000	Ft
1610	Fence Gate, 8 foot, for 48 inch Chain Link Fence	8080041	1.000	Ea
1620	Fence Gate, 16 foot, for 48 inch Chain Link Fence	8080061	1.000	Ea
1630	Band, Sign	8100010	53.000	Ea
1640	Bridge Sign Connection, Conc, Type A1	8100031	6.000	Ea
1650	Bridge Sign Connection, Type A, Rem	8100080	8.000	Ea
1660	Bridge Sign Connection, Type E, Rem	8100084	5.000	Ea
1670	Cantilever, Type E	8100104	1.000	Ea
1680	Column, Breakaway, W8 x 13	8100120	2.000	Ea
1690	Fdn, Breakaway, W8 x 13	8100160	2.000	Ea
1700	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	28.000	Ft
1710	Fdn, Column Breakaway, Rem	8100220	2.000	Ea
1720	Fdn, Truss Sign Structure Type E, 48 inch Dia, Cased	8100250	86.000	Ft
1730	Fdn, Truss, Type C	8100270	1.000	Ea
1740	Fdn, Wood Support, Rem	8100280	1.000	Ea
1750	Post Hole Through Conc for Steel Post	8100340	14.000	Ea
1760	Post Hole Through Conc for Wood Post	8100341	2.000	Ea
1770	Post, Steel, 3 lb	8100371	508.000	Ft
1780	Post, Wood, 4 inch by 6 inch	8100380	80.000	Ft
1790	Sign, Type I, Rem	8100391	6.000	Ea
1800	Sign, Type IA	8100392	1,028.000	Sft
1810	Sign, Type IB	8100393	54.000	Sft
1820	Sign, Type II, Rem	8100397	12.000	Ea
1830	Sign, Type IIA	8100398	78.000	Sft
1840	Sign, Type IIB	8100399	52.000	Sft
1850	Sign, Type III, Erect, Salv	8100402	10.000	Ea
1860	Sign, Type III, Rem	8100403	55.000	Ea
1870	Sign, Type IIIA	8100404	95.000	Sft
1880	Sign, Type IIIB	8100405	133.000	Sft
1890	Sign, Type VB	8100425	16.000	Sft
1900	Truss, Type C, 70 foot	8100458	1.000	Ea
1910	Truss, Type E, 70 foot	8100488	1.000	Ea
1920	Reflective Panel for Permanent Sign Support, 6 foot	8100616	2.000	Ea
1930	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	555.000	Ft
1940	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	544.000	Ft
1950	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	246.000	Ft
1960	Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike	8110049	2.000	Ea
1970	Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	8110058	2.000	Ea
1980	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	4.000	Ea

1990	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	3.000	Ea
2000	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
2010	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	2,348.000	Ft
2020	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	1,252.000	Ft
2030	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	7,711.000	Ft
2040	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	8110156	5,400.000	Ft
2050	Pavt Mrkg, Sprayable Thermopl, 12 inch, White	8110159	500.000	Ft
2060	Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, White	8110212	1,600.000	Ft
2070	Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, Yellow	8110213	364.000	Ft
2080	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	2,590.000	Ft
2090	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	1,249.000	Ft
2100	Rem Curing Compound, for Longit Mrkg, 12 inch	8110310	1,212.000	Ft
2110	Rem Curing Compound, for Spec Mrkg	8110321	420.000	Sft
2120	Rem Spec Mrkg	8110343	58.000	Sft
2130	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
2140	Recessing Pavt Mrkg, Longit	8110450	16,050.000	Ft
2150	Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 4 inch, White	8110490	3,650.000	Ft
2160	Pavt Mrkg, Wet Retrflec Sprayable Thermopl, 6 inch, White	8110491	80.000	Ft
2170	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	420.000	Ft
2180	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	180.000	Ft
2190	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	350.000	Ft
2200	Barricade, Type III, High Intensity, Lighted, Furn	8120022	175.000	Ea
2210	Barricade, Type III, High Intensity, Lighted, Oper	8120023	175.000	Ea
2220	Pedestrian Type II Barricade, Temp	8120026	16.000	Ea
2230	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	5.000	Ea
2240	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	5.000	Ea
2250	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	9.000	Ea
2260	Conc Barrier, Temp, Adj	8120080	2,902.000	Ft
2270	Conc Barrier, Temp, Furn	8120081	3,624.000	Ft
2280	Conc Barrier, Temp, Oper	8120082	3,624.000	Ft
2290	Conc Barrier, Temp, Relocated	8120083	904.000	Ft
2300	Glare Screen, Temp	8120094	656.000	Ft
2310	High Intensity Light, Type B, Furn	8120110	5.000	Ea
2320	High Intensity Light, Type B, Oper	8120111	5.000	Ea
2330	Lighted Arrow, Type C, Furn	8120140	17.000	Ea
2340	Lighted Arrow, Type C, Oper	8120141	17.000	Ea
2350	Minor Traf Devices	8120170	1.000	LSUM
2360	Mobile Attenuator	8120180	2.000	Ea
2370	Pavt Mrkg Cover, Type R, Black	8120200	14,100.000	Ft
2380	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	50,200.000	Ft
2390	Pavt Mrkg, Longit, Water Blasting, 6 inch or less Width, Rem	8120212	1,400.000	Ft
2400	Pavt Mrkg, Longit, Water Blasting, Greater than 6 inch Width, Rem	8120213	400.000	Ft

2410	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	12,200.000	Ft
2420	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	2,700.000	Ft
2430	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	177,600.000	Ft
2440	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	90,500.000	Ft
2450	Plastic Drum, Fluorescent, Furn	8120252	1,490.000	Ea
2460	Plastic Drum, Fluorescent, Oper	8120253	1,490.000	Ea
2470	Sign Cover	8120310	60.000	Ea
2480	Sign Cover, Type 1	8120320	33.000	Ea
2490	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	20.000	Ea
2500	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	20.000	Ea
2510	Sign, Type A, Temp, Prismatic, Furn	8120340	1,000.000	Sft
2520	Sign, Type A, Temp, Prismatic, Oper	8120341	1,000.000	Sft
2530	Sign, Type B, Temp, Prismatic, Furn	8120350	6,440.000	Sft
2540	Sign, Type B, Temp, Prismatic, Oper	8120351	6,440.000	Sft
2550	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	5,710.000	Sft
2560	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	5,710.000	Sft
2570	_ Conc Barrier-Mounted Temp Sign System, Furn	8127050	80.000	Ea
2580	_ Conc Barrier-Mounted Temp Sign System, Oper	8127050	80.000	Ea
2590	Mulch Blanket	8160027	3,000.000	Syd
2600	_ Turf Establishment, Performance	8167011	630.000	Syd
2610	Cable, Rem	8190016	6,481.000	Ft
2620	Conduit, DB, 1, 3 inch	8190029	16.000	Ft
2630	Conduit, DB, 2, 3 inch	8190032	1,310.000	Ft
2640	Conduit, Directional Bore, 3 inch	8190044	450.000	Ft
2650	Conduit, Encased, 1, 3 inch	8190058	250.000	Ft
2660	Conduit, Encased, 1, 4 inch	8190070	60.000	Ft
2670	Conduit, Encased, 4, 4 inch	8190073	730.000	Ft
2680	Conduit, Encased, 6, 4 inch	8190075	440.000	Ft
2690	Conduit, Encased, 12, 4 inch	8190081	117.000	Ft
2700	Conduit, Galv Steel, 1 inch, Structure	8190125	515.000	Ft
2710	Conduit, Rem	8190140	3,530.000	Ft
2720	Conduit, Schedule 40, 3 inch	8190149	620.000	Ft
2730	Conduit, Schedule 80 PVC, 3 inch	8190159	335.000	Ft
2740	Conduit, Schedule 80 PVC, 4 inch	8190161	365.000	Ft
2750	DB Cable, in Conduit, Rem	8190220	13,287.000	Ft
2760	Hh, Adj	8190244	11.000	Ea
2770	Hh, Heavy Duty Cover	8190246	17.000	Ea
2780	Hh, Rem	8190254	7.000	Ea
2790	Hh, Round, 3 foot dia	8190259	10.000	Ea
2800	Hh, Round	8190260	10.000	Ea
2810	Light Std Arm, Install Salv	8190276	19.000	Ea

2820	Light Std Arm, Rem	8190277	3.000	Ea
2830	Light Std Arm, Rem and Salv	8190278	19.000	Ea
2840	Light Std Fdn, Rem	8190280	18.000	Ea
2850	Light Std Shaft, Install Salv	8190301	16.000	Ea
2860	Light Std Shaft, Rem	8190305	3.000	Ea
2870	Light Std Shaft, Rem and Salv	8190306	16.000	Ea
2880	Luminaire, Install Salv	8190350	29.000	Ea
2890	Luminaire, Rem	8190360	4.000	Ea
2900	Luminaire, Rem and Salv	8190365	39.000	Ea
2910	Cable, Sec, 600V, 1, 3/C#6	8190399	450.000	Ft
2920	Cable, Sec, Triplex, 1, 3/C#4	8190418	1,761.000	Ft
2930	Wood Pole, Fit Up, Mult Ltg Cable Pole	8190491	1.000	Ea
2940	Wood Pole, Rem	8190505	6.000	Ea
2950	Bracket Arm, Clamp On, Rem	8190520	1.000	Ea
2960	Conduit, Directional Bore, 2, 3 inch	8190604	2,220.000	Ft
2970	_ Cable, Equipment Grounding Wire, 1/C#6, Aluminum	8197001	2,408.000	Ft
2980	_ Cable, Equipment Grounding Wire, 1/C#8, Aluminum	8197001	572.000	Ft
2990	_ Conduit, Encased, 1, 1 1/2 inch, Modified	8197001	46.000	Ft
3000	_ Conduit, Encased, 1, 3 inch, Modified	8197001	484.000	Ft
3010	_ Conduit, Encased, 2, 3 inch, Modified	8197001	46.000	Ft
3020	_ Conduit, Encased, 3, 4 inch, Modified	8197001	22.000	Ft
3030	_ DB Cable, in Conduit, 600V, 1/C#4, Aluminum	8197001	6,764.000	Ft
3040	_ DB Cable, in Conduit, 600V, 1/C#6, Aluminum	8197001	2,524.000	Ft
3050	_ DB Cable, In Conduit, 600V, 1/C#6, Install Salv	8197001	9,320.000	Ft
3060	_ Bracket Arm, Clamp on, Install Salv	8197050	10.000	Ea
3070	_ Bracket Arm, Clamp on, Rem and Salv	8197050	10.000	Ea
3080	_ Column Lighting Unit	8197050	12.000	Ea
3090	_ Conc Plug, Type Round	8197050	1.000	Ea
3100	_ Conc Plug, Type Round, 3 foot Dia	8197050	18.000	Ea
3110	_ Decorative Ltg Unit, Comerica Style	8197050	6.000	Ea
3120	_ Decorative Ltg Unit, Comerica Style, Install Salv	8197050	4.000	Ea
3130	_ Decorative Ltg Unit, Comerica Style, Rem and Salv	8197050	5.000	Ea
3140	_ Fdn, St Ltg Unit, Comerica	8197050	4.000	Ea
3150	_ Flood Light, Medium	8197050	12.000	Ea
3160	_ Flood Light, Small	8197050	16.000	Ea
3170	_ Hh, Replace Frame and Cover, Detroit Public Lighting Department	8197050	14.000	Ea
3180	_ Light Std Fdn (Public Lighting Authority)	8197050	13.000	Ea
3190	_ Lighting Control Panel	8197050	1.000	Ea
3200	_ Mh, Four Way (Detroit Public Lighting Department)	8197050	2.000	Ea
3210	_ Mh, Reconst (Detroit Public Lighting Department)	8197050	5.000	Ea
3220	_ Mh, Rem (Detroit Public Lighting Department)	8197050	8.000	Ea
3230	_ Mh, Two Way (Detroit Public Lighting Department)	8197050	5.000	Ea
3240	_ Wood Pole, Install Salv	8197050	10.000	Ea
3250	_ Wood Pole, Rem and Salv	8197050	10.000	Ea

3260	_ Lighting Control Software	8197051	1.000	LSUM
3270	_ Utility, Elec	8197060	5,000.000	Dlr
3280	Case Sign, Rem	8200020	2.000	Ea
3290	Case Sign (LED), Two Way, 24 inch by 30 inch	8200022	4.000	Ea
3300	Controller and Cabinet, Rem	8200030	1.000	Ea
3310	Controller and Cabinet, Digital Type	8200031	2.000	Ea
3320	Controller Fdn, Base Mount	8200045	2.000	Ea
3330	Controller Fdn, Rem	8200046	1.000	Ea
3340	Fdn, Rem	8200065	2.000	Ea
3350	Pedestal, Alum, Salv	8200101	1.000	Ea
3360	Pedestal Fdn, Rem	8200106	3.000	Ea
3370	Pedestal, Rem	8200110	4.000	Ea
3380	Pedestal, Underground Serv, Unmetered	8200112	1.000	Ea
3390	Power Co. (Est. Cost to Contractor)	8200116	14,000.000	Dlr
3400	Pushbutton and Sign	8200121	12.000	Ea
3410	Pushbutton Pedestal, Alum	8200123	5.000	Ea
3420	Serv Disconnect	8200135	2.000	Ea
3430	Span Wire	8200140	4.000	Ea
3440	Span Wire, Rem	8200141	2.000	Ea
3450	Steel Pole, Rem	8200145	1.000	Ea
3460	Strain Pole, Steel, Anchor Base, 30 foot	8200155	6.000	Ea
3470	Strain Pole, Steel, Anchor Fdn	8200165	6.000	Ea
3480	TS, Pedestal Mtd, Rem	8200179	1.000	Ea
3490	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	6.000	Ea
3500	TS, Pedestrian, Pedestal Mtd, Rem	8200181	2.000	Ea
3510	TS, Span Wire Mtd, Rem	8200182	4.000	Ea
3520	Cabinet, Salv	8200183	1.000	Ea
3530	Cabinet, Rem	8200184	1.000	Ea
3540	TS, One Way Span Wire Mtd (LED)	8200313	8.000	Ea
3550	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	3.000	Ea
3560	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	3.000	Ea
3570	TS, One Way Pedestal Mtd (LED)	8200340	1.000	Ea
3580	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	1.000	Ea
3590	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	1.000	Ea
3600	TS, Antenna	8200367	1.000	Ea
3610	TS, Antenna, Salv	8200369	1.000	Ea
3620	Bracket, Truss, With 18 Foot Arm	8200378	5.000	Ea
3630	Video Traf Detection System	8200380	2.000	Ea
3640	Video Traf Detection Camera	8200381	4.000	Ea
3650	Wireless Intercon, Closed Loop, Salv	8200389	1.000	Ea
3660	TS, Bag	8200450	22.000	Ea
3670	TS, Bag, Rem	8200451	22.000	Ea

3680	Casing	8200480	105.000	Ft
3690	_ Louvered Backplate	8207050	8.000	Ea
3700	_ Pedestal, Alum, Modified	8207050	3.000	Ea
3710	_ Pedestal, Fdn, Modified	8207050	9.000	Ea
3720	_ Wireless Data Acquisition and Alerts System	8207050	2.000	Ea
3730	_ Permanent Traffic Recorder Loops Only	8207051	1.000	LSUM
3740	Protect Corners	8210020	10.000	Ea
3750	Fire Hydrant	8230040	1.000	Ea
3760	Gate Valve and Box, 6 inch	8230051	1.000	Ea
3770	Gate Valve and Box, 8 inch	8230052	2.000	Ea
3780	Gate Valve and Box, 16 inch	8230055	2.000	Ea
3790	Gate Well, Rem	8230076	4.000	Ea
3800	Hydrant, Rem	8230091	1.000	Ea
3810	Hydrant, Relocate, Case 2	8230096	2.000	Ea
3820	Water Main, DI, 6 inch, Tr Det G	8230151	137.000	Ft
3830	Water Main, DI, 8 inch, Tr Det G	8230156	176.000	Ft
3840	Water Main, DI, 16 inch, Tr Det G	8230171	128.000	Ft
3850	Water Serv	8230240	2.000	Ea
3860	Water Serv, Long	8230245	2.000	Ea
3870	Water Serv, Conflict	8230250	2.000	Ea
3880	Water Shutoff, Adj, Case 2	8230422	4.000	Ea
3890	Polyethylene Encasement	8230440	441.000	Ft
3900	_ Water Main, Rem	8237001	663.000	Ft
3910	_ Hydrant, Adj	8237050	1.000	Ea
3920	_ Water Main Conflict, 16 inch	8237050	2.000	Ea
3930	_ Water Main Conflict, 6 inch	8237050	6.000	Ea
3940	Contractor Staking	8240001	1.000	LSUM
3950	Staking Plan Errors and Extras, One Person	8240020	300.000	Hr
3960	Staking Plan Errors and Extras, Two Person	8240021	120.000	Hr
3970	Staking Plan Errors and Extras, Three Person	8240022	180.000	Hr
3980	Fiber Optic, Cable, Single Mode Fiber, 96F	8260053	3,180.000	Ft
3990	Fiber Optic, Marker, Above Ground	8260069	8.000	Ea
4000	Tracer Wire	8260070	3,530.000	Ft

Section: 2

4010	Structures, Rem Portions (S01 of 82024)	2040061	1.000	LSUM
4020	Structures, Rem Portions (S05 of 82024)	2040061	1.000	LSUM
4030	Embankment, Structure, CIP	2050012	316.000	Cyd
4040	Granular Blanket, Type 1	2050020	122.000	Cyd
4050	_ High Strength Geogrid	2057011	1,845.000	Syd
4060	_ Dewatering System (S05 of 82024)	2057051	1.000	LSUM
4070	Aggregate, 6A	2060001	36.000	Cyd
4080	Backfill, Structure, CIP	2060002	9,841.000	Cyd
4090	Excavation, Fdn	2060010	28,651.000	Cyd
4100	_ Aggregate, Open-Graded, Class 34 R	2067021	100.000	Cyd

4110	_ Fill, Lightweight, EPS Block	2067021	2,297.000	Cyd
4120	_ Fill, Low Density Cellular Concrete, Class III	2067021	1,700.000	Cyd
4130	Geotextile, Separator	3080005	600.000	Syd
4140	Underdrain, Bank, 6 inch	4040003	201.000	Ft
4150	Underdrain, Fdn, 4 inch	4040031	806.000	Ft
4160	Underdrain, Fdn, 6 inch	4040033	3,030.000	Ft
4170	Underdrain Outlet, 8 inch	4040095	6.000	Ft
4180	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
4190	_ Conc Base Cse, Reinf, Variable Thickness	6027021	129.000	Cyd
4200	_ Retaining Wall, Temp, Left in Place	7047010	970.000	Sft
4210	_ Steel Sheet Piling, Temp, Left in Place, Special	7047010	4,450.000	Sft
4220	_ Steel Sheet Piling, Temp, Special	7047010	980.000	Sft
4230	Prebore, Fdn Piling	7050001	1,794.000	Ft
4240	Pile Driving Equipment, Furn (S01 of 82024)	7050002	1.000	LSUM
4250	Pile Driving Equipment, Furn (S05 of 82024)	7050002	1.000	LSUM
4260	Pile, Steel, Furn and Driven, 14 inch	7050034	46,184.000	Ft
4270	Pile Point, Steel	7050039	322.000	Ea
4280	Pile, Steel, Splice	7050050	756.000	Ea
4290	_ Test Pile, Dynamic Analysis	7057050	12.000	Ea
4300	_ Test Pile, Furn Dynamic Analysis Equipment	7057050	5.000	Ea
4310	_ Obstruction Rem, Unexpected	7057060	3,000.000	Dir
4320	Bridge Ltg, Furn and Rem (S01 of 82024)	7060001	1.000	LSUM
4330	Bridge Ltg, Furn and Rem (S05 of 82024)	7060001	1.000	LSUM
4340	Bridge Ltg, Oper and Maintain	7060002	1,370.000	Cyd
4350	Conc, Grade S2, Subfooting	7060012	186.000	Cyd
4360	Conduit, 3 inch	7060030	1,506.000	Ft
4370	Conduit, 4 inch	7060032	3,210.000	Ft
4380	Elec Grounding System	7060040	2.000	Ea
4390	Expansion Joint Device	7060050	167.000	Ft
4400	Expansion Joint Device, Cover Plate	7060051	32.000	Ft
4410	False Decking	7060060	25,510.000	Sft
4420	Reinforcement, Stainless Steel	7060089	439.000	Lb
4430	Reinforcement, Steel, Epoxy Coated	7060092	1,211,265. 000	Lb
4440	Substructure Conc, High Performance	7060101	3,746.000	Cyd
4450	Superstructure Conc, Form, Finish, and Cure (S01 of 82024)	7060111	1.000	LSUM
4460	Superstructure Conc, Form, Finish, and Cure (S05 of 82024)	7060111	1.000	LSUM
4470	Superstructure Conc, Form, Finish, and Cure, Night Casting (S01 of 82024)	7060112	1.000	LSUM
4480	Superstructure Conc, Form, Finish, and Cure, Night Casting (S05 of 82024)	7060112	1.000	LSUM
4490	Superstructure Conc, High Performance	7060116	515.000	Cyd
4500	Superstructure Conc, Night Casting, High Performance	7060117	894.000	Cyd
4510	Wall Drain	7060130	138.000	Sft

4520	Liner, PVC, 30 mil	7060209	982.000	Syd
4530	_ Texturing Conc	7067011	1,421.000	Syd
4540	_ End Diaphragm Conc, Second Avenue	7067021	260.000	Cyd
4550	_ Superstructure Conc, High Performance, Special	7067021	191.000	Cyd
4560	_ Superstructure Conc, Night Casting, High Performance, Special	7067021	476.000	Cyd
4570	_ Tie Girder Conc, Second Avenue	7067021	510.000	Cyd
4580	_ Construction Modeling	7067051	1.000	LSUM
4590	_ Thermal Control Plan, End Diaphragm, Second Ave	7067051	1.000	LSUM
4600	_ Thermal Control Plan, Tie Girder, Second Ave	7067051	1.000	LSUM
4610	_ Tie Girder Conc, Mock-up, Second Avenue	7067051	1.000	LSUM
4620	_ Tie Girder, Knuckle, and End Diaphragm Formwork	7067051	1.000	LSUM
4630	Bearing, Elastomeric, 3 inch	7070020	14,800.000	Sin
4640	Shear Developers (S01 of 82024)	7070040	1.000	LSUM
4650	Structural Steel, Mixed, Erect	7070050	2,180.000	Lb
4660	Structural Steel, Mixed, Furn and Fab	7070051	2,180.000	Lb
4670	Structural Steel, Plate, Erect	7070060	757,000.000	Lb
4680	Structural Steel, Plate, Furn and Fab	7070061	757,000.000	Lb
4690	Structural Steel, Rolled Shape, Erect	7070070	63,470.000	Lb
4700	Structural Steel, Rolled Shape, Furn and Fab	7070071	63,470.000	Lb
4710	_ Steel Diaphragm, Prest Conc Beam, Erect	7077030	7,579.000	Lb
4720	_ Steel Diaphragm, Prest Conc Beam, Furn and Fab	7077030	7,579.000	Lb
4730	_ Structural Steel, Arch Rib, Erect	7077030	796,600.000	Lb
4740	_ Structural Steel, Arch Rib, Furn and Fab	7077030	796,600.000	Lb
4750	_ Disc Bearing, Fixed	7077050	1.000	Ea
4760	_ Disc Bearing, Guided	7077050	2.000	Ea
4770	_ Disc Bearing, Multi-Directional	7077050	1.000	Ea
4780	_ Bridge Move and Erection (Job Number 113125)	7077051	1.000	LSUM
4790	_ Hanger Assemblies (S01 of 82024)	7077051	1.000	LSUM
4800	_ Prest Conc Bulb-Tee Beam, Erect, 54 inch by 49 inch, Special	7087001	2,243.000	Ft
4810	_ Prest Conc Bulb-Tee Beam, Furn, 54 inch by 49 inch, Special	7087001	2,243.000	Ft
4820	Joint Waterproofing	7100001	3,447.000	Sft
4830	Joint Waterproofing, Expansion	7100003	360.000	Sft
4840	Conc Surface Coating, Warranty (S01 of 82024)	7100009	1.000	LSUM
4850	Conc Surface Coating, Warranty (S05 of 82024)	7100009	1.000	LSUM
4860	_ Spray Applied Waterproofing Membrane	7107011	918.000	Syd
4870	_ Bridge Barrier Railing, Aesthetic, High Performance	7117001	1,235.000	Ft
4880	_ Ornamental Railing, Type 1	7117001	446.000	Ft
4890	_ Ornamental Railing, Type 2	7117001	253.000	Ft
4900	_ Ornamental Railing, Type 3	7117001	537.000	Ft
4910	Epoxy Ovly	7120020	1,074.000	Syd
4920	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	8.000	Ea
4930	Adhesive Anchoring of Vertical Bar, 5/8 inch	7120033	1,048.000	Ea
4940	Reinforcement, Mechanical Splice	7120084	1,742.000	Ea

4950	_ Jacking and Shoring	7137051	1.000	LSUM
4960	Field Repair of Damaged Coating (S01 of 82024)	7160001	1.000	LSUM
4970	_ Carbon Fiber Composite Cable Reinforcement, Furn	8007001	13,424.000	Ft
4980	_ Vibration Monitoring (S01 of 82024)	8007051	1.000	LSUM
4990	_ Vibration Monitoring (S05 of 82024)	8007051	1.000	LSUM
5000	Slope Paving Header	8130015	404.000	Ft
5010	Slope Paving, Conc	8130020	1,730.000	Syd
5020	Conduit, Fiberglass, 4 inch, Structure	8190101	2,739.000	Ft
5030	Conduit, Schedule 40, 1 inch	8190145	1,097.000	Ft
5040	_ Hh Cover on Bridge	8197050	9.000	Ea
5050	_ Bridge Soffit Junction Box (S01 of 82024)	8197051	1.000	LSUM
5060	_ Flowable Fill	8267021	1,010.000	Cyd
5070	_ Post-Tensioning Tendon, Bar	8507030	2,230.000	Lb
5080	_ Post-Tensioning Tendon, Strand	8507030	123,100.000	Lb



Schedule of Pay Items

Report v1

Letting Call: 180907 006

Letting Date: September 7, 2018

Contract ID: 21021-129297

Description: Replacement of three cantilevers and signing upgrades along US-2, US-41 and M-26 in the cities of Houghton, Hancock and Escanaba, Delta and Houghton Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129297A	1801011	N/A	NHG 21021

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max	1500001	1.000	LSUM
0020	Exploratory Investigation, Vertical	2040080	20.000	Ft
0030	Non Haz Contaminated Material Handling and Disposal, LM	2050031	10.000	Cyd
0040	Band, Sign	8100010	10.000	Ea
0050	Cantilever, Rem	8100090	3.000	Ea
0060	Cantilever, Type E	8100104	1.000	Ea
0070	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	27.000	Ft
0080	Fdn, Cantilever, Rem	8100190	3.000	Ea
0090	Installing MDOT Supplied Sign, Type III	8100302	1.000	Ea
0100	Post, Steel, 3 lb	8100371	26.000	Ft
0110	Post, Wood, 4 inch by 6 inch	8100380	165.000	Ft
0120	Post, Wood, 6 inch by 8 inch	8100382	18.000	Ft
0130	Sign, Type I, Rem	8100391	4.000	Ea
0140	Sign, Type IA	8100392	160.000	Sft
0150	Sign, Type IB	8100393	40.000	Sft
0160	Sign, Type IIA	8100398	51.000	Sft
0170	Sign, Type IIB	8100399	4.000	Sft
0180	Sign, Type III, Rem	8100403	9.000	Ea
0190	Sign, Type IIIA	8100404	5.000	Sft
0200	Sign, Type IIIB	8100405	52.000	Sft
0210	Transporting Salv MDOT Materials	8100420	1.000	LSUM
0220	Sign, Type VA	8100424	9.000	Sft
0230	Pedestrian Type II Barricade, Temp	8120026	4.000	Ea
0240	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0250	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0260	Minor Traf Devices	8120170	1.000	LSUM
0270	Plastic Drum, Fluorescent, Furn	8120252	20.000	Ea

0280	Plastic Drum, Fluorescent, Oper	8120253	20.000	Ea
0290	Sign Cover	8120310	6.000	Ea
0300	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	650.000	Sft
0310	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	650.000	Sft
0320	Slope Restoration, Type A	8160100	240.000	Syd
0330	Contractor Staking, Road Only	8240007	1.000	LSUM
0340	Staking Plan Errors and Extras, One Person	8240020	1.000	Hr
0350	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0360	Staking Plan Errors and Extras, Three Person	8240022	1.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 180907 007

Letting Date: September 7, 2018

Contract ID: 50000-132514

Description: 1.25 mi of concrete pavement, curb, gutter, sidewalk and ramps, hot mix asphalt resurfacing, aggregate base, drainage and pavement markings on 23 Mile Road from North Avenue to Fairchild Road, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132514A	1800969	N/A	EDC 50000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Reimbursed Permit Fees	1077060	7,500.000	Dir
0020	Mobilization, Max \$740,900.00	1500001	1.000	LSUM
0030	Clearing	2010001	1.000	Acre
0040	Stump, Rem, 19 inch to 36 inch	2020006	12.000	Ea
0050	Stump, Rem, 37 inch or Larger	2020007	7.000	Ea
0060	Stump, Rem, 6 inch to 18 inch	2020008	51.000	Ea
0070	Culv, Rem, Less than 24 inch	2030001	46.000	Ea
0080	Culv, Rem, 24 inch to 48 inch	2030002	6.000	Ea
0090	Dr Structure, Rem	2030011	41.000	Ea
0100	Sewer, Rem, Less than 24 inch	2030015	3,473.000	Ft
0110	Sewer, Rem, 24 inch to 48 inch	2030016	990.000	Ft
0120	Curb and Gutter, Rem	2040020	955.000	Ft
0130	Fence, Rem	2040025	55.000	Ft
0140	Guardrail, Rem	2040035	2,011.000	Ft
0150	Masonry and Conc Structure, Rem	2040045	30.000	Cyd
0160	Sidewalk, Rem	2040055	1,018.000	Syd
0170	Structures, Rem	2040060	1.000	LSUM
0180	Utility Pole, Rem	2040070	10.000	Ea
0190	_ Pavt, Rem, Special	2047011	29,960.000	Syd
0200	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0210	Subgrade Undercutting, Type II	2050041	10,000.000	Cyd
0220	_ Earthwork, Temporary Road	2057002	100.000	Sta
0230	_ Station Grading	2057002	81.000	Sta
0240	_ Temporary Ditching	2057002	100.000	Sta
0250	Backfill, Structure, CIP	2060002	1,100.000	Cyd
0260	Excavation, Fdn	2060010	1,500.000	Cyd
0270	Erosion Control, Filter Bag	2080014	2.000	Ea

0280	Erosion Control, Inlet Protection, Sediment Trap	2080024	99.000	Ea
0290	Erosion Control, Silt Fence	2080036	2,000.000	Ft
0300	Project Cleanup	2090001	1.000	LSUM
0310	Subbase, CIP	3010002	1,100.000	Cyd
0320	Aggregate Base, 6 inch	3020016	54,742.000	Syd
0330	_ Sand Subbase, 12 inch, CIP	3027011	52,686.000	Syd
0340	_ Aggregate, Temporary Road	3027031	7,000.000	Ton
0350	_ Stabilization Geotextile, Special	3037011	27,000.000	Syd
0360	Shoulder, CI II, 6 inch	3070128	1,020.000	Syd
0370	Culv End Sect, Conc, 12 inch	4010047	6.000	Ea
0380	Culv End Sect, Conc, 30 inch	4010052	1.000	Ea
0390	Culv End Sect, Metal, 12 inch	4010094	20.000	Ea
0400	Culv, CI A, CSP, 12 inch	4010199	50.000	Ft
0410	_ Culv, Temp, Modified	4017001	500.000	Ft
0420	Sewer, CI IV, 12 inch, Tr Det B	4020987	4,497.000	Ft
0430	Sewer, CI IV, 18 inch, Tr Det B	4020989	657.000	Ft
0440	Sewer, CI IV, 24 inch, Tr Det B	4020993	235.000	Ft
0450	Sewer, CI IV, 30 inch, Tr Det B	4020994	4,198.000	Ft
0460	Sewer Bulkhead, 12 inch	4021230	2.000	Ea
0470	Trench Undercut and Backfill	4021260	200.000	Cyd
0480	Video Taping Sewer and Culv Pipe	4021275	9,587.000	Ft
0490	_ Sewer, 12 inch, Ductile Iron	4027001	100.000	Ft
0500	_ Sewer, 12 inch, Special	4027001	109.000	Ft
0510	_ Sewer, 4 inch, Special	4027001	100.000	Ft
0520	_ Sewer, 6 inch, Special	4027001	300.000	Ft
0530	_ Ductile Iron Bend, 12 inch, 22.5 Degrees	4027050	4.000	Ea
0540	_ Ductile Iron Bend, 12 inch, 45 Degrees	4027050	4.000	Ea
0550	_ Ductile Iron Bend, 12 inch, 90 Degrees	4027050	4.000	Ea
0560	Dr Structure Cover, Type B	4030010	38.000	Ea
0570	Dr Structure Cover, Type G	4030040	40.000	Ea
0580	Dr Structure Cover, Type J	4030045	63.000	Ea
0590	Dr Structure, 24 inch dia	4030200	42.000	Ea
0600	Dr Structure, 48 inch dia	4030210	58.000	Ea
0610	Dr Structure, 60 inch dia	4030220	31.000	Ea
0620	Dr Structure, 72 inch dia	4030230	1.000	Ea
0630	Dr Structure, 96 inch dia	4030234	2.000	Ea
0640	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	10.000	Ft
0650	Dr Structure, Adj, Add Depth	4030280	50.000	Ft
0660	Dr Structure, Tap, 4 inch	4030304	10.000	Ea
0670	Dr Structure, Tap, 6 inch	4030306	7.000	Ea
0680	Dr Structure, Tap, 12 inch	4030312	6.000	Ea
0690	Dr Structure, Temp Lowering	4030390	20.000	Ea
0700	_ Dr Structure Cover, Adj, Case 1, Modified	4037050	12.000	Ea
0710	_ Dr Structure Cover, Adj, Case 2, Modified	4037050	40.000	Ea

0720	_ Dr Structure Cover, Type B, Modified	4037050	13.000	Ea
0730	_ External Structure Wrap	4037050	24.000	Ea
0740	_ Inlet, 12 inch dia, Special	4037050	6.000	Ea
0750	_ Manufactured Storm Water Treatment System	4037050	3.000	Ea
0760	Underdrain, Fdn, 4 inch	4040031	360.000	Ft
0770	Underdrain Outlet, 4 inch	4040091	40.000	Ft
0780	Underdrain, Outlet Ending, 4 inch	4040111	4.000	Ea
0790	_ Underdrain, Subgrade, 6 inch, Modified	4047001	13,956.000	Ft
0800	Culv Bedding, Box Culv	4060005	100.000	Cyd
0810	_ Culv, Precast Conc Box, 16 foot x 8 foot	4067001	120.000	Ft
0820	Cold Milling HMA Surface	5010002	3,080.000	Syd
0830	HMA, 3E3	5010045	444.000	Ton
0840	HMA, 4E3	5010051	3,006.000	Ton
0850	HMA, 5E3	5010057	3,006.000	Ton
0860	HMA Approach	5010061	150.000	Ton
0870	_ Bump Grinding, Modified	5017011	500.000	Syd
0880	_ Pavement Ride Quality	5017011	41,863.000	Syd
0890	_ Temporary HMA Mixture	5017031	800.000	Ton
0900	Pavt Gapping	6020215	1,600.000	Ft
0910	_ Conc Pavt, Misc, Nonreinf, 7 inch, Modified	6027011	3,196.000	Syd
0920	_ Conc Pavt, Misc, Nonreinf, 8 inch, Modified	6027011	1,327.000	Syd
0930	_ Conc Pavt, Misc, Nonreinf, 9 inch, Modified	6027011	5,326.000	Syd
0940	_ Conc Pavt, Nonreinf, 9 inch, Modified	6027011	41,863.000	Syd
0950	_ Non-Chloride Accelerator	6027021	840.000	Cyd
0960	Cement	6030005	40.000	Ton
0970	Lane Tie, Epoxy Anchored	6030030	500.000	Ea
0980	Shoulder Gutter, Conc, Det 3	8020057	1.000	Ea
0990	Spillway, Conc	8020075	5.000	Ft
1000	_ Curb and Gutter, Conc, Det B1, Modified	8027001	12,602.000	Ft
1010	_ Curb and Gutter, Conc, Det B2, Modified	8027001	435.000	Ft
1020	_ Curb and Gutter, Conc, Det F3, Modified	8027001	37.000	Ft
1030	_ Driveway Opening, Conc, Det M, Modified	8027001	829.000	Ft
1040	Detectable Warning Surface	8030010	160.000	Ft
1050	_ Sidewalk Ramp, ADA, Modified	8037010	1,535.000	Sft
1060	_ Sidewalk, Conc, 4 inch, Modified	8037010	81,995.000	Sft
1070	Post, Mailbox	8070095	49.000	Ea
1080	_ Rustic Rail Fence	8077001	96.000	Ft
1090	Fence, Protective	8080007	500.000	Ft
1100	Field Office, CI 3	8090003	8.000	Mo
1110	Field Office, Utility Fees	8090010	6,000.000	Dlr
1120	Post, Steel, 3 lb	8100371	600.000	Ft
1130	Sign, Type IIB	8100399	100.000	Sft
1140	Sign, Type IIIA	8100404	100.000	Sft
1150	Sign, Type IIIB	8100405	100.000	Sft
1160	Mast Arm Pole, Cat I	8100510	4.000	Ea

1170	Mast Arm, 50 foot, Cat I	8100526	4.000	Ea
1180	Mast Arm Pole Fdn, 6 Bolt	8100550	4.000	Ft
1190	Pavt Mrkg, Polyurea, 4 inch, White	8110091	6,463.000	Ft
1200	Pavt Mrkg, Polyurea, 4 inch, Yellow	8110092	28,485.000	Ft
1210	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	925.000	Ft
1220	Pavt Mrkg, Polyurea, 6 inch, White	8110094	3,897.000	Ft
1230	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	268.000	Ft
1240	Rem Spec Mrkg	8110343	199.000	Sft
1250	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	4.000	Ea
1260	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	4.000	Ea
1270	Recessing Pavt Mrkg, Longit	8110450	38,845.000	Ft
1280	Recessing Pavt Mrkg, Transv	8110451	1,000.000	Sft
1290	Barricade, Type III, High Intensity, Lighted, Furn	8120022	30.000	Ea
1300	Barricade, Type III, High Intensity, Lighted, Oper	8120023	30.000	Ea
1310	Channelizing Device, 42 inch, Furn	8120030	100.000	Ea
1320	Channelizing Device, 42 inch, Oper	8120031	100.000	Ea
1330	Lighted Arrow, Type C, Furn	8120140	5.000	Ea
1340	Lighted Arrow, Type C, Oper	8120141	5.000	Ea
1350	Minor Traf Devices	8120170	1.000	LSUM
1360	Pavt Mrkg Cover, Type R, Black	8120200	100.000	Ft
1370	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	19,312.000	Ft
1380	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	100.000	Ft
1390	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	20,780.000	Ft
1400	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	19,628.000	Ft
1410	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	17,998.000	Ft
1420	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	30,959.000	Ft
1430	Plastic Drum, High Intensity, Furn	8120250	300.000	Ea
1440	Plastic Drum, High Intensity, Oper	8120251	300.000	Ea
1450	Sign Cover	8120310	25.000	Ea
1460	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
1470	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
1480	Sign, Type A, Temp, Prismatic, Furn	8120340	100.000	Sft
1490	Sign, Type A, Temp, Prismatic, Oper	8120341	100.000	Sft
1500	Sign, Type B, Temp, Prismatic, Furn	8120350	1,500.000	Sft
1510	Sign, Type B, Temp, Prismatic, Oper	8120351	1,500.000	Sft
1520	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	200.000	Sft
1530	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	200.000	Sft
1540	Traf Regulator Control	8120370	1.000	LSUM
1550	_ Pavt Mrkg, Stop Bar, Rem	8127001	120.000	Ft
1560	_ Pavt Mrkg, Wet Reflective, Type R, 24 inch, Stop Bar, Temp	8127001	126.000	Ft
1570	Riprap, Heavy	8130005	180.000	Syd
1580	Riprap, Plain	8130010	50.000	Syd

1590	Pinus strobus, 4 foot	8152869	30.000	Ea
1600	Fertilizer, Chemical Nutrient, CI A	8160020	2,300.000	Lb
1610	Mulch	8160025	80,000.000	Syd
1620	Mulch Anchoring	8160026	80,000.000	Syd
1630	Mulch Blanket	8160027	9,000.000	Syd
1640	Seeding, Mixture THM	8160039	2,300.000	Lb
1650	Sodding	8160055	2,600.000	Syd
1660	Water, Sodding/Seeding	8160090	1,000.000	Unit
1670	_ Topsoil Surface, Furn, 3 inch, Modified	8167011	52,000.000	Syd
1680	Conduit, DB, 1, 3 inch	8190029	240.000	Ft
1690	Conduit, DB, 2, 3 inch	8190032	330.000	Ft
1700	Conduit, DB, 3, 3 inch	8190035	115.000	Ft
1710	Conduit, DB, 4, 3 inch	8190038	15.000	Ft
1720	Hh, Rem	8190254	1.000	Ea
1730	Hh, Round, 3 foot dia	8190259	4.000	Ea
1740	Cable, Sec, 600V, 1, 3/C#6	8190399	100.000	Ft
1750	Wood Pole, CI 4, 40 foot	8190473	1.000	Ea
1760	Wood Pole, Fit Up, TS Cable Pole	8190501	1.000	Ea
1770	Wood Pole, Rem	8190505	4.000	Ea
1780	Anchor Guy	8200001	3.000	Ea
1790	Case Sign, Rem	8200020	4.000	Ea
1800	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	4.000	Ea
1810	Controller and Cabinet, Rem	8200030	2.000	Ea
1820	Controller and Cabinet, Digital Type	8200031	1.000	Ea
1830	Controller Fdn, Base Mount	8200045	1.000	Ea
1840	Controller Fdn, Rem	8200046	1.000	Ea
1850	Pedestal, Fdn	8200105	8.000	Ea
1860	Power Co. (Est. Cost to Contractor)	8200116	200.000	Dlr
1870	Serv Disconnect, Rem	8200136	2.000	Ea
1880	Span Wire	8200140	3.000	Ea
1890	Span Wire, Rem	8200141	7.000	Ea
1900	Steel Pole, Rem	8200145	3.000	Ea
1910	TS, Span Wire Mtd, Rem	8200182	16.000	Ea
1920	TS, One Way Span Wire Mtd, Salv	8200191	4.000	Ea
1930	TS, One Way Span Wire Mtd (LED)	8200313	4.000	Ea
1940	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	8.000	Ea
1950	TS, Antenna, Rem	8200368	2.000	Ea
1960	Bracket, Truss, Salv	8200385	2.000	Ea
1970	Bracket, Truss, Rem	8200388	6.000	Ea
1980	Casing	8200480	49.000	Ft
1990	_ Detection, WiFi	8207050	1.000	Ea
2000	_ Electrical Device, Adjust	8207050	22.000	Ea
2010	_ OCA, ATC 2070, ITS	8207050	1.000	Ea
2020	_ OCA, ITS, Cabinet Housing 3, Black	8207050	1.000	Ea

2030	_ OCA, ITS, Input Assembly	8207050	1.000	Ea
2040	_ OCA, ITS, Output Assembly, 14 Switch Pack	8207050	2.000	Ea
2050	_ OCA, Operational Test Certification, Controller and Cabinet	8207050	1.000	Ea
2060	_ Pedestal, Black	8207050	8.000	Ea
2070	_ Pole Coating	8207050	8.000	Ea
2080	_ Pushbutton and Sign, Black	8207050	8.000	Ea
2090	_ Radar Detection, Dilemma Zone	8207050	4.000	Ea
2100	_ Radar Detection, Rem	8207050	6.000	Ea
2110	_ Radar Detection, Salv	8207050	2.000	Ea
2120	_ Road Side Unit	8207050	1.000	Ea
2130	_ Street Name Sign, One Way, (LED) Illuminated, 6 foot, Black	8207050	2.000	Ea
2140	_ Street Name Sign, One Way, (LED) Illuminated, 8 foot, Black	8207050	2.000	Ea
2150	_ TS, One Way Mast Arm Mtd, Safety	8207050	4.000	Ea
2160	_ TS, One Way Mast Arm Mtd, Safety, Five Sect	8207050	4.000	Ea
2170	_ TS, One Way Mast Arm Mtd, Safety, FYA	8207050	4.000	Ea
2180	_ Video Surveillance, Camera	8207050	1.000	Ea
2190	_ Video Traf Detection Camera	8207050	4.000	Ea
2200	_ Video Traf Detection System	8207050	1.000	Ea
2210	_ Wireless Interconnect, Access Point	8207050	4.000	Ea
2220	_ Wireless Interconnect, Integrated Radio	8207050	2.000	Ea
2230	Monument Box	8210001	3.000	Ea
2240	Monument Preservation	8210010	3.000	Ea
2250	_ Benchmark Post	8217050	3.000	Ea
2260	Hydrant, Relocate, Case 2	8230096	11.000	Ea
2270	Water Serv, Conflict	8230250	10.000	Ea
2280	Water Shutoff, Adj, Case 1	8230421	5.000	Ea
2290	Water Shutoff, Adj, Case 2	8230422	20.000	Ea
2300	_ Hydrant, Adj	8237050	9.000	Ea
2310	_ Water Main, Conflict, 12 inch	8237050	4.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 008

Letting Date: September 7, 2018

Contract ID: 82000-203166

Description: 0.52 mi of hot mix asphalt resurfacing, ditch cleanout, signing and pavement markings on Martinsville Road from Willis Road to Harris Road, Wayne County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203166A	1800949	N/A	STL 82000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$25,600.00	1500001	1.000	LSUM
0020	_ Misc Culvert Cleanout	2047001	874.000	Ft
0030	_ Misc Obstruction, Rem	2047021	5.000	Cyd
0040	_ Ditch Cleanout, Modified	2057002	41.000	Sta
0050	Erosion Control, Check Dam, Stone	2080012	200.000	Ft
0060	Erosion Control, Silt Fence	2080036	4,600.000	Ft
0070	Project Cleanup	2090001	1.000	LSUM
0080	_ Aggregate Base, 6 inch, Modified	3027011	112.000	Syd
0090	_ Shoulder, CI 1, 2 inch, Modified	3077011	370.000	Syd
0100	Pavt for Butt Joints, Rem	5010008	332.000	Syd
0110	HMA, 5E10	5010058	1,081.000	Ton
0120	HMA Approach	5010061	15.000	Ton
0130	_ Misc Bit Mixture for Patching, Temp	5017031	5.000	Ton
0140	_ Misc Conditioning Existing Pavement	5017031	200.000	Ton
0150	Post, Mailbox	8070095	28.000	Ea
0160	_ Misc Field Office	8097043	1.000	Mo
0170	_ Misc Sign, Type B, Perm	8107010	91.000	Sft
0180	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	1,200.000	Ft
0190	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	5,225.000	Ft
0200	Barricade, Type III, High Intensity, Lighted, Furn ,	8120022	10.000	Ea
0210	Barricade, Type III, High Intensity, Lighted, Oper	8120023	10.000	Ea
0220	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0230	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Pavt Mrkg, Type NR, Tape, 4 inch, Yellow, Temp	8120231	208.000	Ft
0260	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	208.000	Ft
0270	Plastic Drum, High Intensity, Furn	8120250	244.000	Ea

0280	Plastic Drum, High Intensity, Oper	8120251	244.000	Ea
0290	Sign Cover	8120310	4.000	Ea
0300	Sign, Type B, Temp, Prismatic, Furn	8120350	333.000	Sft
0310	Sign, Type B, Temp, Prismatic, Oper	8120351	333.000	Sft
0320	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	16.000	Sft
0330	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	16.000	Sft
0340	Traf Regulator Control	8120370	1.000	LSUM
0350	Water, Sodding/Seeding	8160090	200.000	Unit
0360	Slope Restoration, Type A	8160100	3,650.000	Syd
0370	Monument Box Adjust	8210005	1.000	Ea
0380	Monument Preservation	8210010	1.000	Ea
0390	Monument Preservation, Vertical	8210015	1.000	Ea
0400	Staking Plan Errors and Extras, One Person	8240020	20.000	Hr
0410	Staking Plan Errors and Extras, Two Person	8240021	8.000	Hr
0420	Staking Plan Errors and Extras, Three Person	8240022	12.000	Hr
0430	_ Contractor Staking, Modified	8247051	1.000	LSUM



Schedule of Pay Items

Report v1

Letting Call: 180907 009

Letting Date: September 7, 2018

Contract ID: 63174-122109B1

Description: Demolition and removal of buildings, outbuildings, fences, backfilling and site restoration for 6 parcels for the proposed I-75 Modernization Project in the cities of Madison Heights and Hazel Park, Oakland County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
122109B1	1763002	N/A	NH 63174

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Asbestos Materials, Rem and Disposal	2040001	60,000.000	Dlr
0020	Exploratory Investigation, Vertical	2040080	120.000	Ft
0030	_ Building and Property Improvements Removal, Outbuilding, Medium	2047050	1.000	Ea
0040	_ Building and Property Improvements Removal, Outbuilding, Small	2047050	5.000	Ea
0050	_ Building and Property Improvements Removal, Residential, Large	2047050	1.000	Ea
0060	_ Building and Property Improvements Removal, Residential, Medium	2047050	2.000	Ea
0070	_ Building and Property Improvements Removal, Residential, Small	2047050	3.000	Ea
0080	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0090	Erosion Control, Inlet Protection, Fabric Drop	2080020	6.000	Ea
0100	Erosion Control, Silt Fence	2080036	1,800.000	Ft
0110	Pedestrian Type II Barricade, Temp	8120026	12.000	Ea
0120	Pedestrian Type II Channelizer, Temp	8120027	100.000	Ft
0130	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0140	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0150	Minor Traf Devices	8120170	1.000	LSUM
0160	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0170	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0180	Sign, Type B, Temp, Prismatic, Furn	8120350	630.000	Sft
0190	Sign, Type B, Temp, Prismatic, Oper	8120351	630.000	Sft
0200	Traf Regulator Control	8120370	1.000	LSUM



8/10/2018 12:16 PM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 010

Letting Date: September 7, 2018

Contract ID: 50031-202263

Description: Installation of dedicated shortwave radio communication roadside units and Wi-Fi detectors on various routes at multiple locations, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202263A	1800988	N/A	CMG 50031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$242,000.00	1500001	1.000	LSUM
0020	Channelizing Device, 42 inch, Furn	8120030	10.000	Ea
0030	Channelizing Device, 42 inch, Oper	8120031	10.000	Ea
0040	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0050	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0060	Minor Traf Devices	8120170	1.000	LSUM
0070	Sign, Type B, Temp, Prismatic, Furn	8120350	100.000	Sft
0080	Sign, Type B, Temp, Prismatic, Oper	8120351	100.000	Sft
0090	Traf Regulator Control	8120370	1.000	LSUM
0100	_ Controller, ATC 2070, 1C/2B/2N/3B/4B/8, Delivered	8207050	12.000	Ea
0110	_ Controller, ATC 2070, Install	8207050	12.000	Ea
0120	_ Controller, Software, D4 SPaT Upgrade, License, Delivered	8207050	205.000	Ea
0130	_ Controller, Software, D4 w/SPaT, License, Delivered	8207050	1.000	Ea
0140	_ Detection, Wi-Fi	8207050	79.000	Ea
0150	_ RSU, Deliver	8207050	298.000	Ea
0160	_ RSU, Device Configuration	8207050	298.000	Ea
0170	_ RSU, Install	8207050	298.000	Ea
0180	_ RSU, Map File Processing	8207050	298.000	Ea
0190	_ Steel Truss Arm, Steel Pole Mount, 6 Foot	8207050	13.000	Ea
0200	_ Steel Truss Arm, Wood Pole Mount, 6 Foot	8207050	114.000	Ea
0210	_ RSU, Connected Vehicle Lidar Map File	8207051	1.000	LSUM
0220	_ RSU, DUAP Integration and Testing	8207051	1.000	LSUM
0230	_ RSU, System Integration and Testing	8207051	1.000	LSUM



8/10/2018 12:16 PM

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Schedule of Pay Items

Report v1

Letting Call: 180907 011

Letting Date: September 7, 2018

Contract ID: 20000-119504

Description: 2.35 mi of hot mix asphalt resurfacing on South Wakeley Bridge Road from the Ausable River north to East North Down River Road, Crawford County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
119504A	1800976	N/A	STL 20000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$44,100.00	1500001	1.000	LSUM
0020	HMA, 4E1	5010050	7,745.000	Ton
0030	HMA Approach	5010061	136.000	Ton
0040	Curb Sloped, HMA	8050010	3,100.000	Ft
0050	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0060	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0070	Minor Traf Devices	8120170	1.000	LSUM
0080	Pavt Mrkg, Type NR, Tape, 4 inch, Yellow, Temp	8120231	1,985.000	Ft
0090	Plastic Drum, High Intensity, Furn	8120250	250.000	Ea
0100	Plastic Drum, High Intensity, Oper	8120251	250.000	Ea
0110	Sign, Type B, Temp, Prismatic, Furn	8120350	376.000	Sft
0120	Sign, Type B, Temp, Prismatic, Oper	8120351	376.000	Sft
0130	Traf Regulator Control	8120370	1.000	LSUM
0140	Paved Ditch, HMA	8140010	40.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 180907 012

Letting Date: September 7, 2018

Contract ID: 38000-202737

Description: 5.20 mi of hot mix asphalt crushing, shaping and resurfacing, shoulder widening and station grading on King Road from Albion Road to Mathews Road, Jackson County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202737A	1800992	N/A	STL 38000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$161,200.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	550.000	Ft
0030	Pavt, Rem	2040050	100.000	Syd
0040	Erosion Control, Silt Fence	2080036	3,500.000	Ft
0050	HMA Base Crushing and Shaping	3050002	74,500.000	Syd
0060	Approach, CI I	3070001	136.000	Ton
0070	Shoulder, CI II, 5 inch	3070127	12,205.000	Syd
0080	Trenching	3070200	550.000	Sta
0090	Cold Milling HMA Surface	5010002	350.000	Syd
0100	HMA, 4E1	5010050	15,237.000	Ton
0110	HMA, 5E1	5010056	6,530.000	Ton
0120	HMA Approach	5010061	253.000	Ton
0130	Guardrail, Type B	8070000	225.000	Ft
0140	Guardrail, Backed, Det G1	8070015	2.000	Ea
0150	Guardrail Approach Terminal, Type 2B	8070042	4.000	Ea
0160	_ Post, Mailbox, Modified	8077050	100.000	Ea
0170	Pavt Mrkg, Waterborne, 4 inch, White	8110231	55,000.000	Ft
0180	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	40,572.000	Ft
0190	Barricade, Type III, High Intensity, Lighted, Furn	8120022	12.000	Ea
0200	Barricade, Type III, High Intensity, Lighted, Oper	8120023	12.000	Ea
0210	Minor Traf Devices	8120170	1.000	LSUM
0220	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,200.000	Ft
0230	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
0240	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
0250	Sign, Type B, Temp, Prismatic, Furn	8120350	272.000	Sft
0260	Sign, Type B, Temp, Prismatic, Oper	8120351	272.000	Sft
0270	Traf Regulator Control	8120370	1.000	LSUM

0280	Slope Restoration, Type B	8160101	24,500.000	Syd
0290	Monument Box Adjust	8210005	11.000	Ea
0300	Monument Preservation	8210010	11.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 013

Letting Date: September 7, 2018

Contract ID: 56000-200269

Description: 1.98 mi of hot mix asphalt resurfacing, shoulder widening, slope flattening, drainage, signing and pavement markings on Poseyville Road from Brooks Road to Gordonville Road, Midland County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200269A	1800986	N/A	HRRR 56000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$90,700.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.280	Acre
0030	Culv, Rem, Less than 24 inch	2030001	29.000	Ea
0040	Culv, Rem, 24 inch to 48 inch	2030002	3.000	Ea
0050	Culv, End, Rem, Less than 24 inch	2030005	1.000	Ea
0060	Culv, End, Rem, 24 inch to 48 inch	2030006	3.000	Ea
0070	Dr Structure, Rem	2030011	9.000	Ea
0080	Sewer, Rem, Less than 24 inch	2030015	753.000	Ft
0090	Sewer, Rem, 24 inch to 48 inch	2030016	20.000	Ft
0100	Pavt, Rem	2040050	167.000	Syd
0110	Ditch Cleanout	2050006	10.000	Sta
0120	Embankment, CIP	2050010	3,440.000	Cyd
0130	Excavation, Earth	2050016	10,832.000	Cyd
0140	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0150	Subgrade Undercutting, Type II	2050041	100.000	Cyd
0160	Erosion Control, Check Dam, Stone	2080012	80.000	Ft
0170	Erosion Control, Inlet Protection, Fabric Drop	2080020	56.000	Ea
0180	Erosion Control, Sediment Trap	2080034	3.000	Ea
0190	Erosion Control, Silt Fence	2080036	719.000	Ft
0200	Subbase, CIP	3010002	5,378.000	Cyd
0210	_ Aggregate Base, 6 inch, Modified	3027011	13,704.000	Syd
0220	_ Aggregate Base, 8 inch, Modified	3027011	295.000	Syd
0230	_ Approach, CI I, 6 inch, Modified	3027011	1,912.000	Syd
0240	_ Approach, CI II, 6 inch, Modified	3027011	1,315.000	Syd
0250	_ Shoulder, CI II, 3 inch, Modified	3027011	4,026.000	Syd
0260	Maintenance Gravel	3060020	100.000	Ton
0270	Culv End Sect, 12 inch	4010012	54.000	Ea

0280	Culv End Sect, 15 inch	4010015	3.000	Ea
0290	Culv End Sect, 24 inch	4010024	1.000	Ea
0300	Culv End Sect, Metal, 42 inch	4010101	3.000	Ea
0310	Culv, CI A, 18 inch	4010133	100.000	Ft
0320	Culv, CI F, 12 inch	4010607	780.000	Ft
0330	Culv, CI F, 15 inch	4010608	26.000	Ft
0340	Culv, CI F, 42 inch	4010613	66.000	Ft
0350	Culv, Slp End Sect, 1 on 4, 18 inch, Longit	4010919	1.000	Ea
0360	Culv, Slp End Sect, 1 on 4, 18 inch, Transv	4010920	4.000	Ea
0370	Culv, Slp End Sect, 1 on 4, 36 inch, Transv	4010930	1.000	Ea
0380	Sewer, CI A, 12 inch, Tr Det A	4020004	548.000	Ft
0390	Sewer, CI A, 15 inch, Tr Det A	4020005	167.000	Ft
0400	Sewer, CI A, 18 inch, Tr Det A	4020006	8.000	Ft
0410	Sewer, CI A, 36 inch, Tr Det A	4020009	8.000	Ft
0420	Sewer, CI A, 42 inch, Tr Det A	4020010	18.000	Ft
0430	Sewer, CI A, 12 inch, Tr Det B	4020033	972.000	Ft
0440	Sewer, CI A, 15 inch, Tr Det B	4020034	159.000	Ft
0450	Sewer, CI A, 18 inch, Tr Det B	4020035	51.000	Ft
0460	Sewer, CI A, 24 inch, Tr Det B	4020036	10.000	Ft
0470	Sewer, CI A, 30 inch, Tr Det B	4020037	5.000	Ft
0480	Sewer, CI A, 36 inch, Tr Det B	4020038	5.000	Ft
0490	Sewer, CI A, 42 inch, Tr Det B	4020039	328.000	Ft
0500	Sewer, CI E, 12 inch, Tr Det B	4020600	56.000	Ft
0510	Sewer Tap, 12 inch	4021204	15.000	Ea
0520	Sewer Tap, 15 inch	4021205	2.000	Ea
0530	Sewer Tap, 18 inch	4021206	1.000	Ea
0540	Sewer Tap, 24 inch	4021207	1.000	Ea
0550	Sewer Tap, 30 inch	4021208	1.000	Ea
0560	Sewer Tap, 36 inch	4021209	2.000	Ea
0570	Sewer Tap, 42 inch	4021210	2.000	Ea
0580	_ Sump Pump Lead and Drain Tile Connection	4027001	50.000	Ft
0590	Dr Structure Cover, Adj, Case 1	4030005	1.000	Ea
0600	Dr Structure Cover, Adj, Case 2	4030006	17.000	Ea
0610	Dr Structure Cover, Type B	4030010	22.000	Ea
0620	Dr Structure Cover, Type G	4030040	36.000	Ea
0630	Dr Structure, 24 inch dia	4030200	10.000	Ea
0640	Dr Structure, 48 inch dia	4030210	23.000	Ea
0650	Dr Structure, 60 inch dia	4030220	2.000	Ea
0660	Dr Structure, 72 inch dia	4030230	6.000	Ea
0670	Dr Structure, Adj, Add Depth	4030280	13.000	Ft
0680	Dr Structure, Tap, 12 inch	4030312	9.000	Ea
0690	Underdrain, Subbase, 6 inch	4040063	100.000	Ft
0700	Cold Milling HMA Surface	5010002	26,804.000	Syd
0710	HMA Surface, Rem	5010005	2,215.000	Syd
0720	Hand Patching	5010025	61.000	Ton

0730	HMA, 13A	5010033	3,587.000	Ton
0740	HMA Approach	5010061	427.000	Ton
0750	Driveway, Nonreinf Conc, 6 inch	8010005	682.000	Syd
0760	Curb Sloped, HMA	8050010	961.000	Ft
0770	Post, Mailbox	8070095	95.000	Ea
0780	Post, Steel, 3 lb	8100371	390.000	Ft
0790	Sign, Type III, Erect, Salv	8100402	14.000	Ea
0800	Sign, Type III, Rem	8100403	39.000	Ea
0810	Sign, Type IIIA	8100404	58.000	Sft
0820	Sign, Type IIIB	8100405	76.000	Sft
0830	Sign, Type VB	8100425	18.000	Sft
0840	Channelizing Device, 42 inch, Furn	8120030	150.000	Ea
0850	Channelizing Device, 42 inch, Oper	8120031	150.000	Ea
0860	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0870	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0880	Minor Traf Devices	8120170	1.000	LSUM
0890	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	828.000	Ft
0900	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0910	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0920	Sign, Type B, Temp, Prismatic, Furn	8120350	432.000	Sft
0930	Sign, Type B, Temp, Prismatic, Oper	8120351	432.000	Sft
0940	Traf Regulator Control	8120370	1.000	LSUM
0950	Riprap, Plain	8130010	168.000	Syd
0960	_ Slope Restoration, Wetland	8167011	177.000	Syd
0970	_ Turf Establishment, Performance	8167011	24,053.000	Syd
0980	Monument Box Adjust	8210005	4.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 014

Letting Date: September 7, 2018

Contract ID: 39000-202047

Description: 0.70 mi of shared-use concrete path, curb replacement and pedestrian signal upgrades along South Drake Road from Green Meadow Road to West Main Street (M-43), Kalamazoo County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202047A	1800965	N/A	TA 39000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$68,900.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	33.000	Ea
0030	Stump, Rem, 19 inch to 36 inch	2020006	5.000	Ea
0040	Stump, Rem, 6 inch to 18 inch	2020008	1.000	Ea
0050	Curb and Gutter, Rem	2040020	1,862.000	Ft
0060	Fence, Rem	2040025	90.000	Ft
0070	Pavt, Rem	2040050	775.000	Syd
0080	Sidewalk, Rem	2040055	360.000	Syd
0090	Exploratory Investigation, Vertical	2040080	50.000	Ft
0100	Granular Material, CI II	2050023	1,043.000	Cyd
0110	Subgrade Undercutting, Type II	2050041	500.000	Cyd
0120	_ Station Grading	2057002	43.000	Sta
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	21.000	Ea
0140	Erosion Control, Silt Fence	2080036	1,000.000	Ft
0150	Aggregate Base, 6 inch	3020016	650.000	Syd
0160	Hand Patching	5010025	165.000	Ton
0170	HMA Approach	5010061	60.000	Ton
0180	Conc Base Cse, Nonreinf, 6 inch	6020015	350.000	Syd
0190	Driveway, Nonreinf Conc, 6 inch	8010005	480.000	Syd
0200	Curb and Gutter, Conc, Det C4	8020023	930.000	Ft
0210	Driveway Opening, Conc, Det M	8020050	170.000	Ft
0220	Curb Ramp Opening, Conc	8030030	510.000	Ft
0230	Sidewalk Ramp, Conc, 6 inch	8030036	2,675.000	Sft
0240	Sidewalk, Conc, 4 inch	8030044	21,227.000	Sft
0250	Sidewalk, Conc, 6 inch	8030046	1,130.000	Sft
0260	_ Detectable Warning Surface, Cast Iron	8037001	136.000	Ft
0270	Shared use Path, HMA	8060040	100.000	Ton

0280	Post, Steel, 3 lb	8100371	36.000	Ft
0290	Sign, Type III, Erect, Salv	8100402	4.000	Ea
0300	Sign, Type III, Rem	8100403	4.000	Ea
0310	_ Segmental Block Retaining Wall	8107052	2,500.000	Sft
0320	Pavt Mrkg, Waterborne, 12 inch, White	8110237	600.000	Ft
0330	_ Pavt Mrkg, Waterborne, 24 inch, Stop Bar	8117001	64.000	Ft
0340	Barricade, Type III, High Intensity, Lighted, Furn	8120022	32.000	Ea
0350	Barricade, Type III, High Intensity, Lighted, Oper	8120023	32.000	Ea
0360	Pedestrian Type II Barricade, Temp	8120026	30.000	Ea
0370	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0380	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0390	Minor Traf Devices	8120170	1.000	LSUM
0400	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	188.000	Ft
0410	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
0420	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
0430	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0440	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0450	Sign, Type B, Temp, Prismatic, Furn	8120350	207.000	Sft
0460	Sign, Type B, Temp, Prismatic, Oper	8120351	207.000	Sft
0470	Traf Regulator Control	8120370	1.000	LSUM
0480	Site Preparation, Max \$1,525	8150001	1.000	LSUM
0490	Watering and Cultivating, First Season, Min \$740	8150002	1.000	LSUM
0500	Watering and Cultivating, Second Season, Min \$915	8150003	1.000	LSUM
0510	Berberis thunbergii Crimson Pygmy, #3 cont.	8150511	16.000	Ea
0520	Pennisetum alopecuroides, #2 cont.	8152650	42.000	Ea
0530	Picea glauca, 6 foot	8152759	6.000	Ea
0540	Rhus aromatica, #3 cont.	8153170	22.000	Ea
0550	Mulch Blanket, High Velocity	8160028	1,500.000	Syd
0560	Slope Restoration, Type A	8160100	645.000	Syd
0570	_ Slope Restoration, General	8167002	43.000	Sta
0580	Conduit, DB, 1, 3 inch	8190029	250.000	Ft
0590	Conduit, Rem	8190140	60.000	Ft
0600	Hh, Rem	8190254	9.000	Ea
0610	Hh, Round, 3 foot dia	8190259	2.000	Ea
0620	Hh, Round	8190260	7.000	Ea
0630	Pedestal, Alum	8200100	12.000	Ea
0640	Pedestal, Fdn	8200105	12.000	Ea
0650	Pedestal Fdn, Rem	8200106	7.000	Ea
0660	Pedestal, Rem	8200110	7.000	Ea
0670	Pushbutton, Rem	8200122	12.000	Ea
0680	Push Button Station and Sign	8200128	16.000	Ea
0690	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	1.000	Ea
0700	TS, Pedestrian, Pedestal Mtd, Rem	8200181	11.000	Ea
0710	Pedestrian Signal System, Accessible	8200240	2.000	Ea
0720	TS, Pedestrian, One Way Pedestal Mtd (LED)	8200344	16.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 015

Letting Date: September 7, 2018

Contract ID: 41000-200406

Description: 0.69 mi of hot mix asphalt shared-use path along Three Mile Road and public easement from Alpine Avenue to West River Road, Kent County. This is a Local Agency Project. This is a Small Business Program project. Only those approved by MDOT as a Small Business may be eligible to bid as a prime contractor.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200406A	1800987	N/A	HPSL 41000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$40,600.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.000	Acre
0030	Clearing, Fence	2010002	7.000	Sta
0040	Tree, Rem, 6 inch to 18 inch	2020004	10.000	Ea
0050	Stump, Rem, 6 inch to 18 inch	2020008	1.000	Ea
0060	Curb and Gutter, Rem	2040020	480.000	Ft
0070	Fence, Rem	2040025	75.000	Ft
0080	Sidewalk, Rem	2040055	28.000	Syd
0090	Structures, Rem Portions	2040061	1.000	LSUM
0100	Embankment, CIP	2050010	2,133.000	Cyd
0110	Excavation, Earth	2050016	518.000	Cyd
0120	Subgrade Undercutting, Type II	2050041	150.000	Cyd
0130	Aggregate, 6A	2060001	15.000	Cyd
0140	Erosion Control, Silt Fence	2080036	1,080.000	Ft
0150	Project Cleanup	2090001	1.000	LSUM
0160	Subbase, CIP	3010002	487.000	Cyd
0170	Aggregate Base, LM	3020002	65.000	Cyd
0180	Culv End Sect, Metal, 18 inch	4010096	2.000	Ea
0190	Culv, CI A, 18 inch	4010133	50.000	Ft
0200	Culv, CI B, Conc, 48 inch	4010274	32.000	Ft
0210	_ Culv Headwall	4017050	1.000	Ea
0220	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
0230	_ Underdrain, Subbase, 6 inch, Modified	4047001	200.000	Ft
0240	_ Underdrain, Subbase, 6 inch, Fitting, Modified	4047050	3.000	Ea
0250	HMA Surface, Rem	5010005	912.000	Syd
0260	_ HMA Spillway	5017001	14.000	Ft
0270	Driveway, Nonreinf Conc, 6 inch	8010005	720.000	Syd

0280	Curb and Gutter, Conc, Det F4	8020038	340.000	Ft
0290	Driveway Opening, Conc, Det M	8020050	140.000	Ft
0300	_ Modular Block Retaining Wall (Large Block)	8027010	72.000	Sft
0310	Sidewalk Ramp, Conc, 6 inch	8030036	3,294.000	Sft
0320	Sidewalk, Conc, 4 inch	8030044	3,800.000	Sft
0330	Shared use Path, Grading	8060030	2,855.000	Ft
0340	Shared use Path, HMA	8060040	706.000	Ton
0350	_ Shared Use Path Aggregate, Modified	8067011	3,957.000	Syd
0360	Post, Mailbox	8070095	12.000	Ea
0370	Fence, Woven Wire with Wood Post	8080001	470.000	Ft
0380	Fence, Chain Link, 72 inch	8080013	590.000	Ft
0390	_ Fence, Chain Link, 42 Inch, Black Vinyl Coated	8087001	85.000	Ft
0400	Barricade, Type III, High Intensity, Lighted, Furn	8120022	10.000	Ea
0410	Barricade, Type III, High Intensity, Lighted, Oper	8120023	10.000	Ea
0420	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0430	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0440	Minor Traf Devices	8120170	1.000	LSUM
0450	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0460	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0470	Sign, Type B, Temp, Prismatic, Furn	8120350	500.000	Sft
0480	Sign, Type B, Temp, Prismatic, Oper	8120351	500.000	Sft
0490	Traf Regulator Control	8120370	1.000	LSUM
0500	Riprap, Heavy	8130006	25.000	Ton
0510	Riprap, Plain	8130010	47.000	Syd
0520	Topsoil Surface, Furn, 4 inch	8160062	7,098.000	Syd
0530	Slope Restoration, Type A	8160100	500.000	Syd
0540	Slope Restoration, Type B	8160101	4,900.000	Syd
0550	Slope Restoration, Type C	8160102	1,698.000	Syd
0560	Slope Restoration, Type D	8160103	200.000	Syd
0570	_ Non Selective Weed Spray Under Asphalt	8167010	43,200.000	Sft
0580	Conduit, DB, 1, 3 inch	8190029	84.000	Ft
0590	Water Shutoff, Adj, Case 1	8230421	3.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 016

Letting Date: September 7, 2018

Contract ID: 22000-132295

Description: 0.70 mi of hot mix asphalt removal and resurfacing and sidewalk ramps on Vulcan Street from 4th Street to East Grant Street, Margaret Street from Stephenson Avenue (US-2) to Vulcan Street and East Grant Street from Vulcan Street to Millie Street in the city of Iron Mountain, Dickinson County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132295A	1800944	N/A	STUL 22000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$34,800.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	450.000	Ft
0030	Sidewalk, Rem	2040055	390.000	Syd
0040	Excavation, Earth	2050016	20.000	Cyd
0050	Erosion Control, Inlet Protection, Fabric Drop	2080020	46.000	Ea
0060	_ Aggregate Base, 2 inch	3027011	15,250.000	Syd
0070	Aggregate Surface Cse	3060005	35.000	Cyd
0080	Dr Structure Cover, Adj, Case 1	4030005	77.000	Ea
0090	HMA Surface, Rem	5010005	15,700.000	Syd
0100	HMA Approach	5010061	240.000	Ton
0110	HMA, LVSP	5010703	2,430.000	Ton
0120	Curb and Gutter, Conc, Det C2	8020021	380.000	Ft
0130	Detectable Warning Surface	8030010	320.000	Ft
0140	Curb Ramp Opening, Conc	8030030	420.000	Ft
0150	Sidewalk Ramp, Conc, 4 inch	8030034	4,500.000	Sft
0160	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0170	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	Ea
0180	Pedestrian Type II Barricade, Temp	8120026	30.000	Ea
0190	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0200	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0210	Minor Traf Devices	8120170	1.000	LSUM
0220	Plastic Drum, High Intensity, Furn	8120250	100.000	Ea
0230	Plastic Drum, High Intensity, Oper	8120251	100.000	Ea
0240	Sign, Type B, Temp, Prismatic, Furn	8120350	516.000	Sft
0250	Sign, Type B, Temp, Prismatic, Oper	8120351	516.000	Sft

0260	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	40.000	Sft
0270	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	40.000	Sft
0280	Traf Regulator Control	8120370	1.000	LSUM
0290	Fertilizer, Chemical Nutrient, CI A	8160020	200.000	Lb
0300	Mulch	8160025	4,100.000	Syd
0310	Mulch Anchoring	8160026	4,100.000	Syd
0320	Seeding, Mixture THM	8160039	185.000	Lb
0330	Topsoil Surface, Furn, 3 inch	8160061	4,100.000	Syd
0340	Gate Box, Adj, Case 1	8230431	21.000	Ea



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AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 017

Letting Date: September 7, 2018

Contract ID: 14000-202698-2

Description: 0.27 mi of microsurfacing, overband crack filling, concrete sidewalk and ADA ramps and railroad crossing on North Maple Street from M-216 to the north village limit in the village of Marcellus, Cass County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202698A	1800716	N/A	STL 14000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$4,600.00	1500001	1.000	LSUM
0020	Sidewalk, Rem	2040055	125.000	Syd
0030	HMA Surface, Rem	5010005	30.000	Syd
0040	Overband Crack Fill, Lane	5020003	0.500	Lnmi
0050	Detectable Warning Surface	8030010	60.000	Ft
0060	Sidewalk, Conc, 4 inch	8030044	985.000	Sft
0070	Sidewalk, Conc, 6 inch	8030046	945.000	Sft
0080	Pedestrian Type II Barricade, Temp	8120026	10.000	Ea
0090	Minor Traf Devices	8120170	1.000	LSUM
0100	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0110	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0120	Sign, Type B, Temp, Prismatic, Furn	8120350	150.000	Sft
0130	Sign, Type B, Temp, Prismatic, Oper	8120351	150.000	Sft
0140	Slope Restoration, Type B	8160101	275.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 180907 018

Letting Date: September 7, 2018

Contract ID: 05031-201675

Description: 0.48 mi of concrete sidewalk, pedestrian lighting and retaining wall on M-88 (West State Street) east of West Limits Road in the village of Mancelona, Antrim County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201675A	1800940	N/A	TAUL 05031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$39,500.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	2.000	Ea
0030	Curb and Gutter, Rem	2040020	20.000	Ft
0040	Sidewalk, Rem	2040055	10.000	Syd
0050	Embankment, CIP	2050010	675.000	Cyd
0060	Excavation, Earth	2050016	420.000	Cyd
0070	Erosion Control, Silt Fence	2080036	930.000	Ft
0080	Aggregate Base, 6 inch	3020016	240.000	Syd
0090	Trenching	3070200	8.000	Sta
0100	Culv End Sect, Conc, 12 inch	4010047	3.000	Ea
0110	Sewer, CI IV, 12 inch, Tr Det B	4020987	86.000	Ft
0120	Dr Structure Cover, Type K	4030050	3.000	Ea
0130	Dr Structure, 48 inch dia	4030210	3.000	Ea
0140	Hand Patching	5010025	5.000	Ton
0150	HMA, LVSP	5010703	50.000	Ton
0160	Driveway, Nonreinf Conc, 6 inch	8010005	80.000	Syd
0170	Curb and Gutter, Conc, Det F4	8020038	690.000	Ft
0180	Detectable Warning Surface	8030010	10.000	Ft
0190	Curb Ramp Opening, Conc	8030030	20.000	Ft
0200	Sidewalk Ramp, Conc, 6 inch	8030036	200.000	Sft
0210	Sidewalk, Conc, 4 inch	8030044	10,270.000	Sft
0220	Sidewalk, Conc, 6 inch	8030046	7,230.000	Sft
0230	_ Protective Fencing	8087001	714.000	Ft
0240	Post, Steel, 3 lb	8100371	52.000	Ft
0250	Sign, Type III, Erect, Salv	8100402	4.000	Ea
0260	Pavt Mrkg, Thermopl, 6 inch, Crosswalk	8110197	90.000	Ft
0270	Barricade, Type III, High Intensity, Lighted, Furn	8120022	3.000	Ea
0280	Barricade, Type III, High Intensity, Lighted, Oper	8120023	3.000	Ea

0290	Channelizing Device, 42 inch, Furn	8120030	10.000	Ea
0300	Channelizing Device, 42 inch, Oper	8120031	10.000	Ea
0310	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0320	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0330	Minor Traf Devices	8120170	1.000	LSUM
0340	Plastic Drum, High Intensity, Furn	8120250	60.000	Ea
0350	Plastic Drum, High Intensity, Oper	8120251	60.000	Ea
0360	Sign, Type B, Temp, Prismatic, Furn	8120350	450.000	Sft
0370	Sign, Type B, Temp, Prismatic, Oper	8120351	450.000	Sft
0380	Traf Regulator Control	8120370	1.000	LSUM
0390	Slope Restoration, Type A	8160100	1,355.000	Syd
0400	_ Block Retaining Wall	8167010	2,710.000	Sft
0410	Conduit, Schedule 40, 1 1/2 inch	8190146	1,700.000	Ft
0420	DB Cable, in Conduit, 600V, 1/C#4	8190207	1,650.000	Ft
0430	DB Cable, in Conduit, 600V, 1/C#8	8190212	1,875.000	Ft
0440	DB Cable, in Conduit, 600V, 1/C#10	8190213	525.000	Ft
0450	_ Electrical Handhole	8197050	14.000	Ea
0460	_ Electrical Service Equipment Enclosure	8197050	1.000	Ea
0470	_ Light Pole, Type 1	8197050	5.000	Ea
0480	_ Light Pole, Type 2	8197050	9.000	Ea
0490	_ Precast Light Pole Fdn	8197050	14.000	Ea
0500	Hydrant, Relocate, Case 1	8230095	1.000	Ea
0510	Gate Box, Adj, Case 2	8230432	2.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 019

Letting Date: September 7, 2018

Contract ID: 38051-200803

Description: 11.85 mi of non-motorized trail construction with aggregate surface including replacement of three bridges, culvert replacements, signing, pavement marking, ADA ramps and a new trail head along the Mike Levine Lakelands Trail from west of Hawkins Road to M-62 (Clinton Street) in the villages of Munith and Stockbridge, Jackson and Ingham Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200803A	1801022	N/A	TAL 38051

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Audio-Visual Filming	1047051	1.000	LSUM
0020	Mobilization, Max \$570,600.00	1500001	1.000	LSUM
0030	Clearing	2010001	2.000	Acre
0040	_ Clearing, Special	2017012	3.390	Acre
0050	Tree, Rem, 6 inch to 18 inch	2020004	101.000	Ea
0060	Stump, Rem, 19 inch to 36 inch	2020006	11.000	Ea
0070	Stump, Rem, 37 inch or Larger	2020007	3.000	Ea
0080	Stump, Rem, 6 inch to 18 inch	2020008	70.000	Ea
0090	_ Stump, Rem, 19 inch to 36 inch, Special	2027050	120.000	Ea
0100	_ Stump, Rem, 37 inch or Larger, Special	2027050	3.000	Ea
0110	_ Stump, Rem, 6 inch to 18 inch, Special	2027050	320.000	Ea
0120	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0130	Culv, Rem, 24 inch to 48 inch	2030002	7.000	Ea
0140	Culv, Rem, Over 48 inch	2030003	1.000	Ea
0150	Masonry and Conc Structure, Rem	2040045	20.000	Cyd
0160	Sidewalk, Rem	2040055	3.000	Syd
0170	_ Bollard, Rem	2047050	12.000	Ea
0180	Backfill, Swamp	2050001	2,180.000	Cyd
0190	Embankment, CIP	2050010	170.000	Cyd
0200	Excavation, Earth	2050016	150.000	Cyd
0210	Excavation, Peat	2050017	5,460.000	Cyd
0220	Non Haz Contaminated Material Handling and Disposal, LM	2050031	510.000	Cyd
0230	_ Ditch Cleanout, Special	2057001	602.000	Ft
0240	_ Station Grading, Trail, Type A	2057002	285.000	Sta
0250	_ Station Grading, Trail, Type B	2057002	365.000	Sta
0260	_ Berm Grading	2057021	19,600.000	Cyd

0270	_ Subgrade Undercutting, Modified	2057021	2,500.000	Cyd
0280	Erosion Control, Check Dam, Stone	2080012	20.000	Ft
0290	Erosion Control, Gravel Access Approach	2080016	6.000	Ea
0300	Erosion Control, Maintenance, Sediment Removal	2080026	75.000	Cyd
0310	Erosion Control, Sand Bag	2080028	20.000	Ea
0320	Erosion Control, Sediment Trap	2080034	1.000	Ea
0330	Erosion Control, Silt Fence	2080036	71,550.000	Ft
0340	Erosion Control, Turbidity Curtain, Shallow	2080044	50.000	Ft
0350	Project Cleanup	2090001	1.000	LSUM
0360	Subbase, CIP	3010002	3,965.000	Cyd
0370	Aggregate Base, 6 inch	3020016	66,197.000	Syd
0380	Aggregate Base, 8 inch	3020020	21,338.000	Syd
0390	Aggregate Surface Cse, 6 inch	3060010	3,401.000	Syd
0400	_ Aggregate Surface Cse, 2 1/2 inch, Modified	3067011	82,890.000	Syd
0410	_ Aggregate Surface Cse, 6 inch, Modified	3067011	139.000	Syd
0420	Shoulder, CI II	3070121	38.000	Ton
0430	Geotextile, Separator	3080005	4,670.000	Syd
0440	Culv End Sect, 12 inch	4010012	6.000	Ea
0450	Culv End Sect, 24 inch	4010024	8.000	Ea
0460	Culv End Sect, 30 inch	4010030	2.000	Ea
0470	Culv End Sect, Conc, 36 inch	4010053	1.000	Ea
0480	Culv End Sect, Metal, 48 inch	4010102	1.000	Ea
0490	Culv, CI A, 12 inch	4010131	135.000	Ft
0500	Culv, CI A, 24 inch	4010134	156.000	Ft
0510	Culv, CI A, 30 inch	4010135	44.000	Ft
0520	Culv, CI A, 48 inch	4010138	58.000	Ft
0530	Culv, CI A, Conc, 36 inch	4010170	8.000	Ft
0540	Dr Marker Post	4011109	28.000	Ea
0550	_ Culvert Cleanout	4017001	120.000	Ft
0560	_ Concrete Cloth, CC8	4017010	574.000	Sft
0570	_ Chemical Pipe Joint Grouting, 68 inch by72 inch	4017050	10.000	Ea
0580	_ Culv End Sect, 48 inch	4017050	4.000	Ea
0590	_ Trench Undercut and Backfill, Modified	4027021	186.000	Cyd
0600	_ Culvert Bedding	4067021	93.000	Cyd
0610	_ Bypass Pumping	4067051	1.000	LSUM
0620	Edge Trimming	5010009	140.000	Ft
0630	_ High Performance Biaxial Geogrid	7007011	38,635.000	Syd
0640	_ Bolt, Mechanical Expansion Anchored, 1/2inch	7127050	48.000	Ea
0650	Detectable Warning Surface	8030010	341.000	Ft
0660	Sidewalk Ramp, Conc, 6 inch	8030036	6,198.000	Sft
0670	_ Bollard, Removable	8077050	3.000	Ea
0680	_ Vehicle Control Post	8077050	43.000	Ea
0690	Fence, Woven Wire with Steel Post	8080002	5,325.000	Ft
0700	Fence, Chain Link, 60 inch	8080012	574.000	Ft
0710	_ Access Gate	8087050	1.000	Ea

0720	Post, Steel, 3 lb	8100371	2,526.000	Ft
0730	Sign, Type II, Rem	8100397	25.000	Ea
0740	Sign, Type III, Erect, Salv	8100402	9.000	Ea
0750	Sign, Type III, Rem	8100403	14.000	Ea
0760	Sign, Type IIIA	8100404	245.000	Sft
0770	Sign, Type IIIB	8100405	1,422.000	Sft
0780	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	800.000	Ft
0790	Recessing Pavt Mrkg, Transv	8110451	800.000	Sft
0800	Pedestrian Type II Barricade, Temp	8120026	48.000	Ea
0810	Channelizing Device, 42 inch, Furn	8120030	240.000	Ea
0820	Channelizing Device, 42 inch, Oper	8120031	240.000	Ea
0830	Lighted Arrow, Type C, Furn	8120140	16.000	Ea
0840	Lighted Arrow, Type C, Oper	8120141	16.000	Ea
0850	Minor Traf Devices	8120170	1.000	LSUM
0860	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	345.000	Ft
0870	Sign, Type B, Temp, Prismatic, Furn	8120350	2,304.000	Sft
0880	Sign, Type B, Temp, Prismatic, Oper	8120351	2,304.000	Sft
0890	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	160.000	Sft
0900	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	160.000	Sft
0910	Traf Regulator Control	8120370	1.000	LSUM
0920	Riprap, Plain	8130010	261.000	Syd
0930	Site Preparation, Max \$9,100.00	8150001	1.000	LSUM
0940	Watering and Cultivating, First Season, Min \$4,500.00	8150002	1.000	LSUM
0950	Watering and Cultivating, Second Season, Min \$5,500.00	8150003	1.000	LSUM
0960	Abies balsamea, 5 foot	8150015	15.000	Ea
0970	Abies concolor, 5 foot	8150029	10.000	Ea
0980	Acer rubrum Bowhall, 1 3/4 inch	8150141	12.000	Ea
0990	Acer saccharum Celebration, 1 3/4 inch	8150179	12.000	Ea
1000	Amelanchier x grandifolia Robin Hill, clump form, 5 foot	8150336	5.000	Ea
1010	Betula nigra Heritage, clump form, 6 foot	8150529	10.000	Ea
1020	Picea abies, 5 foot	8152741	5.000	Ea
1030	Quercus alba, 1 3/4 inch	8153030	8.000	Ea
1040	_ Mulch Blanket, Modified	8167011	27,980.000	Syd
1050	_ Slope Restoration, Bonded Fiber Matrix, Type 1	8167011	109,160.000	Syd
1060	_ Slope Restoration, Bonded Fiber Matrix, Type 2	8167011	56,280.000	Syd
1070	Monument Preservation	8210010	2.000	Ea
1080	Protect Corners	8210020	26.000	Ea

Section: 2

1090	Structures, Rem (DNR01)	2040060	1.000	LSUM
1100	Structures, Rem (DNR02)	2040060	1.000	LSUM
1110	Structures, Rem (DNR03)	2040060	1.000	LSUM
1120	Aggregate, 6A	2060001	307.000	Cyd

1130	Backfill, Structure, CIP	2060002	2,720.000	Cyd
1140	Excavation, Fdn	2060010	4,040.000	Cyd
1150	Erosion Control, Turbidity Curtain, Deep	2080042	1,220.000	Ft
1160	Underdrain, Fdn, 6 inch	4040033	330.000	Ft
1170	Pile Driving Equipment, Furn (DNR01)	7050002	1.000	LSUM
1180	Pile Driving Equipment, Furn (DNR02)	7050002	1.000	LSUM
1190	Pile Driving Equipment, Furn (DNR03)	7050002	1.000	LSUM
1200	Pile, Steel, Furn and Driven, 12 inch	7050030	3,720.000	Ft
1210	Test Pile, Steel, 12 inch	7050031	6.000	Ea
1220	Pile Point, Steel	7050039	54.000	Ea
1230	Pile, Steel, Splice	7050050	54.000	Ea
1240	Conc, Low Temperature Protection	7060020	388.000	Cyd
1250	Elec Grounding System	7060040	3.000	Ea
1260	Reinforcement, Steel, Epoxy Coated	7060092	21,618.000	Lb
1270	Substructure Conc	7060100	388.000	Cyd
1280	Steel Pedestrian Bridge, Type 2, Furn and Fab	7070081	3.000	Ea
1290	Steel Pedestrian Bridge, Type 2, Erect	7070086	3.000	Ea
1300	Timber and Lumber, Treated, Furn and Place	7090030	15.000	TBF
1310	Joint Waterproofing	7100001	506.000	Sft
1320	Bolt, Adhesive Anchored, 1 inch	7120044	12.000	Ea
1330	Fence, Structure	8080110	2,400.000	Sft
1340	_ Riprap, Special, Class II	8137031	1,570.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 180907 020

Letting Date: September 7, 2018

Contract ID: 63172-204118

Description: 12.24 mi of regionwide mastic, detail 7, and detail 7, special joint repairs and pavement markings on northbound I-75 (CD lane and Chrysler Drive ramps), on I-94 from M-10 to Conner Street, and on US-12 from I-94 to Rosa Parks Boulevard in the cities of Auburn Hills, Dearborn and Detroit, Oakland and Wayne Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204118A	1801031	N/A	NH 63172

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$328,900.00	1500001	1.000	LSUM
0020	HMA Quality Initiative	5010007	18,594.000	Dlr
0030	Pavt Joint and Crack Repr, Det 7	5010020	87,483.000	Ft
0040	Hand Patching	5010025	9,297.000	Ton
0050	_ Pavt Joint and Crack Repr, Det 7, Special	5017001	160,927.000	Ft
0060	_ Asphalt Repair Mastic	5027001	21,048.000	Ft
0070	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	2,275.000	Ft
0080	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, White	8110108	4,875.000	Ft
0090	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	2,690.000	Ft
0100	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	1,560.000	Ft
0110	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	43,330.000	Ft
0120	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	50,270.000	Ft
0130	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	70,213.000	Ft
0140	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	8110156	65,673.000	Ft
0150	Pavt Mrkg, Sprayable Thermopl, 12 inch, White	8110159	16,240.000	Ft
0160	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0170	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	30.000	Ea
0180	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	30.000	Ea
0190	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
0200	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
0210	Ltg for Night Work	8120160	1.000	LSUM
0220	Minor Traf Devices	8120170	1.000	LSUM
0230	Mobile Attenuator	8120180	2.000	Ea
0240	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	78,785.000	Ft
0250	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch,	8120236	69,566.000	Ft

Yellow, Temp

0260	Plastic Drum, High Intensity, Furn	8120250	650.000	Ea
0270	Plastic Drum, High Intensity, Oper	8120251	650.000	Ea
0280	Sign Cover	8120310	36.000	Ea
0290	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	6.000	Ea
0300	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	6.000	Ea
0310	Sign, Type B, Temp, Prismatic, Furn	8120350	1,300.000	Sft
0320	Sign, Type B, Temp, Prismatic, Oper	8120351	1,300.000	Sft
0330	Traf Regulator Control	8120370	1.000	LSUM
0340	_ Conc Barrier-Mounted Temp Sign System, Furn	8127050	15.000	Ea
0350	_ Conc Barrier-Mounted Temp Sign System, Oper	8127050	15.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 180907 021

Letting Date: September 7, 2018

Contract ID: 63043-120428

Description: 15.60 mi of installation of closed circuit television cameras, dynamic message signs, roadside units, conduit and fiber optic cable on M-59 from Paddock Street to M-53 in the cities of Pontiac, Auburn Hills, Rochester Hills, Sterling Heights and Utica, Oakland and Macomb Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
120428A	1801002	N/A	CM 63043

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Critical Path Method Schedule	1080005	15,000.000	Dlr
0020	Mobilization, Max	1500001	1.000	LSUM
0030	Clearing	2010001	0.500	Acre
0040	Fence, Rem	2040025	50.000	Ft
0050	Pavt, Rem	2040050	14.000	Syd
0060	Exploratory Investigation, Vertical	2040080	50.000	Ft
0070	Embankment, CIP	2050010	50.000	Cyd
0080	Excavation, Earth	2050016	7.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0100	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0110	Erosion Control, Silt Fence	2080036	500.000	Ft
0120	Open-Graded Dr Cse, Shld	3030015	14.000	Syd
0130	Approach, CI II, 6 inch	3070028	85.000	Syd
0140	Geotextile, Separator	3080005	14.000	Syd
0150	Culv, CI F, CSP, 18 inch	4010677	20.000	Ft
0160	Culv, Slp End Sect, 1 on 6, 18 inch, Longit	4010951	2.000	Ea
0170	_ Steel Casing Pipe, 10 inch, Jacked in Place	4017001	100.000	Ft
0180	Underdrain, Pipe, Open-Graded, 6 inch	4040043	12.000	Ft
0190	Conc Quality Initiative	6020401	50.000	Dlr
0200	Shoulder, Nonreinf Conc, High Performance	6020524	14.000	Syd
0210	Joint, Contraction, Crg	6030020	12.000	Ft
0220	Lane Tie, Epoxy Anchored	6030030	6.000	Ea
0230	Sawing and Sealing Longit Pavt Joints	6030095	12.000	Ft
0240	_ Conduit, Clean and Test	8007001	725.000	Ft
0250	_ Small Dynamic Message Sign, Fdn, Type B, Cased	8007001	30.000	Ft
0260	_ 1 Gigabit Optical Transceiver, 10km	8007050	2.000	Ea
0270	_ 10 Gigabit Optical Transceiver, 40km	8007050	2.000	Ea

0280	_ 5.8 GHz Radio, Rem and Salv	8007050	10.000	Ea
0290	_ Cabinet Entry, Core Drill	8007050	2.000	Ea
0300	_ Conduit Entry into Shelter	8007050	1.000	Ea
0310	_ Dynamic Message Sign, Small	8007050	1.000	Ea
0320	_ Hh, Clean	8007050	11.000	Ea
0330	_ Junction Box	8007050	1.000	Ea
0340	_ Roadside Unit, Non-intersection	8007050	14.000	Ea
0350	_ Small Dynamic Message Sign, Support Structure, Type B	8007050	1.000	Ea
0360	_ Integration, Advanced Traf Management System Software	8007051	1.000	LSUM
0370	_ System Testing	8007051	1.000	LSUM
0380	Fence, Chain Link, 72 inch	8080013	50.000	Ft
0390	Barricade, Type III, High Intensity, Lighted, Furn	8120022	13.000	Ea
0400	Barricade, Type III, High Intensity, Lighted, Oper	8120023	13.000	Ea
0410	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
0420	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
0430	Minor Traf Devices	8120170	1.000	LSUM
0440	Mobile Attenuator	8120180	2.000	Ea
0450	Plastic Drum, High Intensity, Furn	8120250	172.000	Ea
0460	Plastic Drum, High Intensity, Oper	8120251	172.000	Ea
0470	Sign Cover	8120310	5.000	Ea
0480	Sign Cover, Type 1	8120320	2.000	Ea
0490	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0500	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0510	Sign, Type B, Temp, Prismatic, Furn	8120350	768.000	Sft
0520	Sign, Type B, Temp, Prismatic, Oper	8120351	768.000	Sft
0530	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	46.000	Sft
0540	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	46.000	Sft
0550	Site Preparation, Max \$9,100	8150001	1.000	LSUM
0560	Watering and Cultivating, First Season, Min \$5,200	8150002	1.000	LSUM
0570	Watering and Cultivating, Second Season, Min \$6,400	8150003	1.000	LSUM
0580	Acer platanoides Summershade, 2 inch	8150123	10.000	Ea
0590	Acer x freemanii Celebration, 2 inch	8150225	10.000	Ea
0600	Gleditsia triacanthos inermis Skyline, 2 inch	8151660	10.000	Ea
0610	Gymnocladus dioicus, 2 inch	8151676	10.000	Ea
0620	Picea abies, 4 foot	8152740	10.000	Ea
0630	Pinus nigra, 4 foot	8152841	10.000	Ea
0640	Quercus macrocarpa, 2 inch	8153085	10.000	Ea
0650	Tilia cordata Glenleven, 2 inch	8153859	10.000	Ea
0660	Ulmus americana Valley Forge, 2 inch	8153912	10.000	Ea
0670	_ Platanus x acerifolia Morton Circle, 2 inch	8157050	10.000	Ea
0680	_ Turf Establishment, Performance	8167011	2,170.000	Syd
0690	Conduit, DB, 1, 3 inch	8190029	450.000	Ft

0700	Conduit, DB, 2, 3 inch	8190032	970.000	Ft
0710	Conduit, DB, 3, 3 inch	8190035	25.000	Ft
0720	Conduit, DB, 4, 3 inch	8190038	55.000	Ft
0730	Conduit, Fiberglass, 3 inch, Structure	8190099	2,770.000	Ft
0740	Cable, Equipment Grounding Wire, 1/C#2	8190232	1,155.000	Ft
0750	Cable, Equipment Grounding Wire, 1/C#6	8190236	1,030.000	Ft
0760	Hh, Round, 3 foot dia	8190259	99.000	Ea
0770	Hh, Type D	8190262	7.000	Ea
0780	Light Std Fdn	8190279	2.000	Ea
0790	Light Std, Frangible Transformer Base	8190281	2.000	Ea
0800	Light Std Shaft, 30 foot or less	8190285	1.000	Ea
0810	Light Std Shaft, 31 foot to 40 foot	8190286	1.000	Ea
0820	Conduit, Directional Bore, 1, 3 inch	8190602	465.000	Ft
0830	Conduit, Directional Bore, 2, 3 inch	8190604	41,825.000	Ft
0840	Conduit, Directional Bore, 3, 3 inch	8190606	705.000	Ft
0850	_ DB Cable, in Conduit, 600 Volt, 3 1/C#2	8197001	1,155.000	Ft
0860	_ DB Cable, in Conduit, 600 Volt, 3 1/C#6	8197001	1,030.000	Ft
0870	_ Conc Plug, Round	8197050	2.000	Ea
0880	_ Conc Plug, Round, 3 foot dia	8197050	23.000	Ea
0890	_ Conc Plug, Type D	8197050	3.000	Ea
0900	_ Hh, Round, Elec	8197050	8.000	Ea
0910	Power Co. (Est. Cost to Contractor)	8200116	3,000.000	Dir
0920	Strain Pole, Steel, 6 bolt, 40 foot	8200462	1.000	Ea
0930	Strain Pole Fdn, 6 Bolt	8200470	18.000	Ft
0940	Casing	8200480	15.000	Ft
0950	_ ITS Cabinet, Ground Mtd	8207050	4.000	Ea
0960	_ Surveillance System, Tower Mount	8207050	1.000	Ea
0970	Shoulder Corrugations, Ground or Cut, Conc	8220000	12.000	Ft
0980	Contractor Staking, Road Only	8240007	1.000	LSUM
0990	Staking Plan Errors and Extras, One Person	8240020	23.000	Hr
1000	Staking Plan Errors and Extras, Two Person	8240021	9.000	Hr
1010	Staking Plan Errors and Extras, Three Person	8240022	14.000	Hr
1020	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
1030	Lightning Protection, Pole	8260021	3.000	Ea
1040	Lightning Protection, Structure, Small Dynamic Message Sign	8260023	1.000	Ea
1050	Microwave Vehicle Detection System	8260040	2.000	Ea
1060	Fiber Optic, Cable, Single Mode Fiber, 24F	8260048	94,400.000	Ft
1070	Fiber Optic, Cable, Single Mode Fiber, 60F	8260051	46,120.000	Ft
1080	Fiber Optic, Splice Cabinet	8260064	6.000	Ea
1090	Fiber Optic, Hardware Assembly, Small	8260065	20.000	Ea
1100	Fiber Optic, Hardware Assembly, Medium	8260066	8.000	Ea
1110	Fiber Optic, Hardware Assembly, Large	8260067	1.000	Ea
1120	Fiber Optic, Marker, Above Ground	8260069	90.000	Ea
1130	Tracer Wire	8260070	46,100.000	Ft

1140	Fiber Optic, Pigtail	8260071	336.000	Ea
1150	Fiber Optic, Jumper	8260072	80.000	Ea
1160	Managed Field Ethernet Switch, Layer 2	8260080	8.000	Ea
1170	Managed Field Ethernet Switch, Rem and Salv	8260084	3.000	Ea
1180	Power Serv, Underground, 30A, 120/240V	8260100	2.000	Ea
1190	Power Serv, Underground, 60A, 120/240V	8260101	1.000	Ea
1200	Uninterruptible Power Supply, ITS Cabinet	8260140	4.000	Ea
1210	Flowable Fill, Spun Pole Fdn	8260149	4.000	Cyd
1220	Spun Conc Pole, Type A	8260152	2.000	Ea
1230	Drilled Shaft and Conc Skirt, Cased	8260155	2.000	Ea
1240	Surveillance System, Remote Site, Type A	8260157	3.000	Ea
1250	System Integration and Testing	8260160	1.000	LSUM
1260	_ Railroad Inspection and Flagging	8507060	10,000.000	Dlr
1270	_ Railroad Protection	8507060	10,000.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 180907 022

Letting Date: September 7, 2018

Contract ID: 84927-129134

Description: Cantilevers, signs and guardrail upgrades on I-75, I-94, US-12, US-24 and M-39 at various locations in the cities of Allen Park, Dearborn, Taylor, Detroit and Lincoln Park, Wayne County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129134A	1801008	N/A	IMG 84927
129135A	1801009	N/A	NHG 84927

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$91,800.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	351.000	Ft
0030	Sidewalk, Rem	2040055	8.000	Syd
0040	Exploratory Investigation, Vertical	2040080	100.000	Ft
0050	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0060	Sidewalk, Conc, 4 inch	8030044	65.000	Sft
0070	Guardrail, Type B	8070000	13.000	Ft
0080	Guardrail, Type MGS-8	8070004	263.000	Ft
0090	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea
0100	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0110	Guardrail Departing Terminal, Type MGS	8070052	4.000	Ea
0120	Cantilever, Rem	8100090	11.000	Ea
0130	Cantilever, Type E	8100104	11.000	Ea
0140	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	424.000	Ft
0150	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Uncased	8100171	28.000	Ft
0160	Fdn, Cantilever, Rem	8100190	10.000	Ea
0170	Sign, Type I, Rem	8100391	11.000	Ea
0180	Sign, Type IA	8100392	1,129.000	Sft
0190	Sign, Type IB	8100393	226.000	Sft
0200	Transporting Salv MDOT Materials	8100420	1.000	LSUM
0210	Barricade, Type III, High Intensity, Lighted, Furn	8120022	15.000	Ea
0220	Barricade, Type III, High Intensity, Lighted, Oper	8120023	15.000	Ea
0230	Pedestrian Type II Barricade, Temp	8120026	6.000	Ea
0240	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0250	Lighted Arrow, Type C, Oper	8120141	3.000	Ea

0260	Minor Traf Devices	8120170	1.000	LSUM
0270	Mobile Attenuator	8120180	3.000	Ea
0280	Plastic Drum, Fluorescent, Furn	8120252	225.000	Ea
0290	Plastic Drum, Fluorescent, Oper	8120253	225.000	Ea
0300	Sign Cover	8120310	75.000	Ea
0310	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
0320	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
0330	Sign, Type A, Temp, Prismatic, Furn	8120340	200.000	Sft
0340	Sign, Type A, Temp, Prismatic, Oper	8120341	200.000	Sft
0350	Sign, Type B, Temp, Prismatic, Furn	8120350	1,500.000	Sft
0360	Sign, Type B, Temp, Prismatic, Oper	8120351	1,500.000	Sft
0370	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	75.000	Sft
0380	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	75.000	Sft
0390	_ Pedestrian Path, Temp	8127001	200.000	Ft
0400	Slope Restoration, Type A	8160100	75.000	Syd
0410	Slope Restoration, Type C	8160102	25.000	Syd
0420	Wood Pole, Cl 4, 40 foot	8190473	1.000	Ea
0430	_ Overhead, #8 Alum Triplex with #8 ACSR Neutral	8197001	50.000	Ft
0440	_ Elec, Install Salv	8197051	1.000	LSUM
0450	_ Elec, Rem and Salv	8197051	1.000	LSUM
0460	Contractor Staking, Road Only	8240007	1.000	LSUM
0470	Staking Plan Errors and Extras, One Person	8240020	10.000	Hr
0480	Staking Plan Errors and Extras, Two Person	8240021	4.000	Hr
0490	Staking Plan Errors and Extras, Three Person	8240022	6.000	Hr



8/16/2018 9:58 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 023

Letting Date: September 7, 2018

Contract ID: 82024-201018

Description: 0.33 mi of turf establishment on Second Avenue and Brush Street over I-94 in the city of Detroit, Wayne County. This is a Small Business Program project. Only those approved by MDOT as a Small Business may be eligible to bid as a prime contractor.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201018A	1801033	N/A	NH 82024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$13,700.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	_ Turf Establishment, Performance	8167011	10,965.000	Syd



8/16/2018 9:58 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 024

Letting Date: September 7, 2018

Contract ID: 82024-201025

Description: 0.80 mi of sidewalk and driveways along bridge approaches on Second Avenue and Brush Street over I-94 in the city of Detroit, Wayne County. This is a Small Business Program project. Only those approved by MDOT as a Small Business may be eligible to bid as a prime contractor.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201025A	1801034	N/A	NH 82024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$12,400.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	Aggregate Base, 6 inch	3020016	1,590.000	Syd
0040	Driveway, Nonreinf Conc, 6 inch	8010005	9.000	Syd
0050	Driveway, Nonreinf Conc, 8 inch	8010007	218.000	Syd
0060	Curb, Conc, Det E1	8020001	175.000	Ft
0070	Detectable Warning Surface	8030010	146.000	Ft
0080	Sidewalk Ramp, Conc, 4 inch	8030034	500.000	Sft
0090	Sidewalk Ramp, Conc, 6 inch	8030036	2,197.000	Sft
0100	Sidewalk, Conc, 4 inch	8030044	9,148.000	Sft
0110	Contractor Staking, Road Only	8240007	1.000	LSUM
0120	Staking Plan Errors and Extras, One Person	8240020	1.000	Hr
0130	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0140	Staking Plan Errors and Extras, Three Person	8240022	1.000	Hr



8/16/2018 9:58 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 025

Letting Date: September 7, 2018

Contract ID: 82000-201105

Description: 0.15 mi of sidewalk and storm outlet structure along North Newburgh Road between Joy Road and Russell Drive in the city of Westland, Wayne County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201105A	1800957	N/A	TAU 82000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$19,800.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0030	Culv, End, Rem, Over 48 inch	2030007	1.000	Ea
0040	Dr Structure, Rem	2030011	1.000	Ea
0050	Sewer, Rem, Less than 24 inch	2030015	10.000	Ft
0060	_ Dr Structure Rem, Modified	2037050	1.000	Ea
0070	Curb and Gutter, Rem	2040020	48.000	Ft
0080	Fence, Rem	2040025	15.000	Ft
0090	Sidewalk, Rem	2040055	52.000	Syd
0100	_ Pavt, Rem, Modified	2047011	112.000	Syd
0110	Embankment, CIP	2050010	2,500.000	Cyd
0120	Excavation, Earth	2050016	93.000	Cyd
0130	Aggregate, 6A	2060001	11.000	Cyd
0140	Backfill, Structure, CIP	2060002	130.000	Cyd
0150	Excavation, Fdn	2060010	113.000	Cyd
0160	Erosion Control, Inlet Protection, Fabric Drop	2080020	3.000	Ea
0170	Erosion Control, Silt Fence	2080036	775.000	Ft
0180	Aggregate Base, 4 inch	3020010	433.000	Syd
0190	_ Maintaining Stream Flow	4017051	1.000	LSUM
0200	Sewer, Cl A, 54 inch, Tr Det A	4020012	16.000	Ft
0210	Sewer Bulkhead, 12 inch	4021230	1.000	Ea
0220	Dr Structure Cover, Adj, Case 2	4030006	4.000	Ea
0230	Dr Structure Cover, Type B	4030010	1.000	Ea
0240	Dr Structure, 84 inch dia	4030231	1.000	Ea
0250	Dr Structure, Add Depth of 84 inch dia, 8 foot to 15 foot	4030232	4.000	Ft
0260	Dr Structure, Adj, Add Depth	4030280	2.000	Ft
0270	_ Sanitary Structure Cover, Adj, Case 1	4037050	1.000	Ea

0280	Conc, Grade S2	7060011	30.000	Cyd
0290	Reinforcement, Steel, Culv and Headwall	7060091	2,790.000	Lb
0300	Driveway, Nonreinf Conc, 8 inch	8010007	123.000	Syd
0310	Curb Ramp Opening, Conc	8030030	50.000	Ft
0320	Sidewalk Ramp, Conc, 6 inch	8030036	250.000	Sft
0330	Sidewalk, Conc, 4 inch	8030044	3,840.000	Sft
0340	_ Detectable Warning Surface, Modified	8037001	25.000	Ft
0350	Fence, Chain Link, 48 inch	8080011	30.000	Ft
0360	Barricade, Type III, High Intensity, Lighted, Furn	8120022	8.000	Ea
0370	Barricade, Type III, High Intensity, Lighted, Oper	8120023	8.000	Ea
0380	Lighted Arrow, Type A, Furn	8120120	2.000	Ea
0390	Lighted Arrow, Type A, Oper	8120121	2.000	Ea
0400	Minor Traf Devices	8120170	1.000	LSUM
0410	Plastic Drum, High Intensity, Furn	8120250	80.000	Ea
0420	Plastic Drum, High Intensity, Oper	8120251	80.000	Ea
0430	Sign, Type B, Temp, Prismatic, Furn	8120350	374.000	Sft
0440	Sign, Type B, Temp, Prismatic, Oper	8120351	374.000	Sft
0450	Riprap, Plain	8130010	48.000	Syd
0460	_ Irrigation Line, PVC, 1 inch	8167001	350.000	Ft
0470	_ Turf Establishment, Performance, Modified	8167011	3,034.000	Syd
0480	_ Irrigation Head, Install Salv	8167050	40.000	Ea
0490	_ Irrigation Head, Rem and Salv	8167050	40.000	Ea



8/16/2018 9:58 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 180907 026

Letting Date: September 7, 2018

Contract ID: 81013-129998

Description: 5.23 mi of single course hot mix asphalt overlay, intermittent pavement repairs and pavement markings on M-52 from south of the Washtenaw/Lenawee County Line to Austin Road, Washtenaw and Lenawee Counties. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129998A	N/A	N/A	M 81013

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$97,300.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	Approach, CI II	3070021	60.000	Ton
0040	Shoulder, CI II	3070121	6,700.000	Ton
0050	Pavt, Cleaning	5010001	1.000	LSUM
0060	Cold Milling HMA Surface	5010002	3,480.000	Syd
0070	HMA Quality Initiative	5010007	19,000.000	Dlr
0080	Pavt for Butt Joints, Rem	5010008	780.000	Syd
0090	Longitudinal Joint Density Quality Initiative	5010018	30,370.000	Dlr
0100	HMA Approach	5010061	540.000	Ton
0110	HMA, LVSP	5010703	8,960.000	Ton
0120	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	35.000	Ft
0130	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	1.000	Ea
0140	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	1.000	Ea
0150	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	14,470.000	Ft
0160	Pavt Mrkg, Waterborne, 6 inch, White	8110233	58,100.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	14,470.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	58,100.000	Ft
0190	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0200	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	140.000	Ea
0210	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	140.000	Ea
0220	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0230	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Mobile Attenuator	8120180	1.000	Ea
0260	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	58,100.000	Ft
0270	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch,	8120236	14,470.000	Ft

Yellow, Temp

0280	Plastic Drum, Fluorescent, Furn	8120252	30.000	Ea
0290	Plastic Drum, Fluorescent, Oper	8120253	30.000	Ea
0300	Sign Cover	8120310	10.000	Ea
0310	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0320	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0330	Sign, Type B, Temp, Prismatic, Furn	8120350	660.000	Sft
0340	Sign, Type B, Temp, Prismatic, Oper	8120351	660.000	Sft
0350	Traf Regulator Control	8120370	1.000	LSUM
0360	Centerline Corrugations, Milled, HMA	8220013	27,610.000	Ft
