



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 001

Letting Date: October 5, 2018

Contract ID: 39000-200461

Description: 0.10 mi of roadway reconstruction and realignment, watermain and sanitary sewer on Lakeview Drive at Portage Road in the city of Portage, Kalamazoo County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200461A	1800804	N/A	HSIP 39000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$42,000.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.000	Acre
0030	Stump, Rem, 19 inch to 36 inch	2020006	2.000	Ea
0040	Stump, Rem, 6 inch to 18 inch	2020008	60.000	Ea
0050	Curb and Gutter, Rem	2040020	210.000	Ft
0060	Fence, Rem	2040025	45.000	Ft
0070	Masonry and Conc Structure, Rem	2040045	5.000	Cyd
0080	Pavt, Rem	2040050	50.000	Syd
0090	Exploratory Investigation, Vertical	2040080	20.000	Ft
0100	Embankment, CIP	2050010	2,000.000	Cyd
0110	Subgrade Undercutting, Type II	2050041	475.000	Cyd
0120	_ Machine Grading, Modified	2057002	6.000	Sta
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	15.000	Ea
0140	Erosion Control, Silt Fence	2080036	665.000	Ft
0150	Subbase, CIP	3010002	940.000	Cyd
0160	Aggregate Base, 8 inch	3020020	2,820.000	Syd
0170	Maintenance Gravel, LM	3060021	200.000	Cyd
0180	Sewer, CI IV, 12 inch, Tr Det B	4020987	167.000	Ft
0190	Sewer, CI IV, 18 inch, Tr Det B	4020989	21.000	Ft
0200	Sewer, CI IV, 24 inch, Tr Det B	4020993	91.000	Ft
0210	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea
0220	Dr Structure, 48 inch dia	4030210	2.000	Ea
0230	Dr Structure, 60 inch dia	4030220	1.000	Ea
0240	_ Dr Structure Cover, Type B, Modified	4037050	4.000	Ea
0250	_ Dr Structure Cover, Type K, Modified	4037050	2.000	Ea
0260	_ Dr Structure Cover, Type KL, Modified	4037050	3.000	Ea
0270	_ Dr Structure Cover, Type Q, Modified	4037050	4.000	Ea
0280	_ Leaching Basin, 48 inch dia	4037050	3.000	Ea

0290	_ Leaching Basin, 60 inch dia	4037050	3.000	Ea
0300	_ Stormwater Underground Storage System	4037051	1.000	LSUM
0310	HMA Surface, Rem	5010005	1,445.000	Syd
0320	Hand Patching	5010025	9.000	Ton
0330	HMA, 13A	5010033	385.000	Ton
0340	HMA Approach	5010061	35.000	Ton
0350	_ HMA, 36A, Modified	5017031	245.000	Ton
0360	Conc Base Cse, Nonreinf, 6 inch	6020015	30.000	Syd
0370	Cement	6030005	5.000	Ton
0380	Driveway, Nonreinf Conc, 6 inch	8010005	435.000	Syd
0390	Spillway, Conc	8020075	15.000	Ft
0400	_ Curb and Gutter, Conc, Det C4, Modified	8027001	610.000	Ft
0410	Curb Ramp Opening, Conc	8030030	16.000	Ft
0420	Sidewalk Ramp, Conc, 6 inch	8030036	250.000	Sft
0430	Sidewalk, Conc, 4 inch	8030044	1,300.000	Sft
0440	_ Detectable Warning Surface, Cast Iron	8037001	12.000	Ft
0450	Curb Sloped, HMA	8050010	180.000	Ft
0460	Guardrail, Type B	8070000	137.000	Ft
0470	Guardrail, Curved, Type B	8070010	30.000	Ft
0480	Guardrail Approach Terminal, Type 2B	8070042	1.000	Ea
0490	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0500	Post, Mailbox	8070095	10.000	Ea
0510	_ Fence, Aluminum	8087001	210.000	Ft
0520	_ Fence, Split Rail	8087001	50.000	Ft
0530	Post, Steel, 3 lb	8100371	75.000	Ft
0540	Sign, Type III, Rem	8100403	7.000	Ea
0550	Sign, Type IIIA	8100404	32.000	Sft
0560	Sign, Type IIIB	8100405	25.000	Sft
0570	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	35.000	Ft
0580	Pavt Mrkg, Polyurea, 4 inch, White	8110091	550.000	Ft
0590	Pavt Mrkg, Polyurea, 4 inch, Yellow	8110092	550.000	Ft
0600	Barricade, Type III, High Intensity, Lighted, Furn	8120022	8.000	Ea
0610	Barricade, Type III, High Intensity, Lighted, Oper	8120023	8.000	Ea
0620	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0630	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0640	Minor Traf Devices	8120170	1.000	LSUM
0650	Plastic Drum, High Intensity, Furn	8120250	75.000	Ea
0660	Plastic Drum, High Intensity, Oper	8120251	75.000	Ea
0670	Sign, Type B, Temp, Prismatic, Furn	8120350	542.000	Sft
0680	Sign, Type B, Temp, Prismatic, Oper	8120351	542.000	Sft
0690	_ Project Sign	8127050	1.000	Ea
0700	Riprap, Plain	8130010	60.000	Syd
0710	Slope Restoration, Type B	8160101	1,345.000	Syd
0720	Slope Restoration, Type C	8160102	775.000	Syd
0730	_ River Rock, 1 1/2 inch to 3 inch	8167021	40.000	Cyd

0740	Hydrant, Rem	8230091	1.000	Ea
0750	Polyethylene Encasement	8230440	60.000	Ft
0760	_ Water Main, DI, CL 52, 8 inch, Tr Det G, Modified	8237001	60.000	Ft
0770	_ Water Main, Insulate	8237001	100.000	Ft
0780	_ Hydrant Assembly, Modified	8237050	2.000	Ea
0790	_ Live Tap, 8 inch x 8 inch, Modified	8237050	2.000	Ea
0800	_ Sanitary Sewer, PVC, 10 inch, Tr Det G	8257001	10.000	Ft
0810	_ Sanitary Sewer, PVC, 8 inch, Tr Det G	8257001	85.000	Ft
0820	_ Sanitary Manhole, 48 inch dia	8257050	2.000	Ea
0830	_ Segmental Retaining Wall, Split Face	8507011	175.000	Syd



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 002

Letting Date: October 5, 2018

Contract ID: 63000-132512

Description: 2.22 mi of hot mix asphalt surfacing, add center turn lane, pavement removal, concrete curb, gutter, sidewalk and ramps, aggregate base, sanitary and storm sewer, water main, drainage, replace bridge superstructure and traffic signal on John R Road from Long Lake Road to South Boulevard in the city of Troy, Oakland County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132512A	N/A	N/A	EDC 63000
203115A	N/A	N/A	EDC 63000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$1,504,800.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.580	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	17.000	Ea
0040	_ Tree, Rem, 3 inch to 18 inch	2027050	228.000	Ea
0050	Culv, Rem, Less than 24 inch	2030001	56.000	Ea
0060	Culv, End, Rem, Less than 24 inch	2030005	91.000	Ea
0070	Dr Structure, Abandon	2030010	4.000	Ea
0080	Dr Structure, Rem	2030011	86.000	Ea
0090	Sewer, Rem, Less than 24 inch	2030015	4,274.000	Ft
0100	Sewer, Rem, 24 inch to 48 inch	2030016	4,745.000	Ft
0110	Curb and Gutter, Rem	2040020	981.000	Ft
0120	Fence, Rem	2040025	845.000	Ft
0130	Guardrail, Rem	2040035	494.000	Ft
0140	Masonry and Conc Structure, Rem	2040045	11.000	Cyd
0150	Pavt, Rem	2040050	51,436.000	Syd
0160	Sidewalk, Rem	2040055	8,569.000	Syd
0170	Utility Pole, Rem	2040070	30.000	Ea
0180	Exploratory Investigation, Vertical	2040080	100.000	Ft
0190	_ Pump Station, Rem	2047050	2.000	Ea
0200	Embankment, CIP	2050010	33,430.000	Cyd
0210	Excavation, Earth	2050016	35,498.000	Cyd
0220	Excavation, Peat	2050017	18,000.000	Cyd
0230	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0240	_ Erosion Control, Silt Fence, RCOC	2057001	10,000.000	Ft
0250	_ Excavation, Earth, RCOC	2057011	11,869.000	Syd

0260	_ Subgrade Undercutting, 21AA	2057021	5,000.000	Cyd
0270	_ Subgrade Undercutting, 3 by 1	2057021	200.000	Cyd
0280	_ Erosion Control, Inlet Protection, Fabric Drop, RCOC	2057050	125.000	Ea
0290	_ Aggregate Base, 12 inch, CIP, 21AA, RCOC	3027011	70,149.000	Syd
0300	_ Aggregate Base, 15 inch, CIP, 21AA, RCOC	3027011	2,934.000	Syd
0310	_ Aggregate Base, 4 inch, CIP, 21AA, RCOC	3027011	10,881.000	Syd
0320	_ Aggregate Base, 6 inch, CIP, 21AA, RCOC	3027011	36,002.000	Syd
0330	_ Aggregate Base, 8 inch, CIP, 21AA, RCOC	3027011	1,626.000	Syd
0340	Maintenance Gravel	3060020	500.000	Ton
0350	_ Biaxial Geogrid	3087011	2,667.000	Syd
0360	Culv End Sect, Conc, 12 inch	4010047	2.000	Ea
0370	Culv End Sect, Conc, 24 inch	4010051	1.000	Ea
0380	Culv End Sect, Conc, 48 inch	4010055	1.000	Ea
0390	Culv End Sect, Metal, 12 inch	4010094	10.000	Ea
0400	_ Culv, CI F, CSP, 12 inch, RCOC	4017001	471.000	Ft
0410	Sewer, CI A, 24 inch, Tr Det A	4020007	66.000	Ft
0420	Sewer, CI IV, 12 inch, Tr Det A	4020960	350.000	Ft
0430	Sewer, CI IV, 12 inch, Tr Det B	4020987	2,948.000	Ft
0440	Sewer, CI IV, 15 inch, Tr Det B	4020988	227.000	Ft
0450	Sewer, CI IV, 18 inch, Tr Det B	4020989	1,596.000	Ft
0460	Sewer, CI IV, 24 inch, Tr Det B	4020993	2,496.000	Ft
0470	Sewer, CI IV, 36 inch, Tr Det B	4020995	773.000	Ft
0480	Sewer, CI IV, 48 inch, Tr Det B	4020997	4,184.000	Ft
0490	Sewer, CI IV, 12 inch, Tr Det D	4021050	540.000	Ft
0500	Sewer, CI IV, 15 inch, Tr Det D	4021051	182.000	Ft
0510	Sewer, CI IV, 18 inch, Tr Det D	4021052	382.000	Ft
0520	Sewer, CI IV, 24 inch, Tr Det D	4021053	291.000	Ft
0530	Sewer Tap, 24 inch	4021207	2.000	Ea
0540	Sewer Bulkhead, 12 inch	4021230	4.000	Ea
0550	Sewer Bulkhead, 18 inch	4021232	4.000	Ea
0560	Sewer Bulkhead, 24 inch	4021234	4.000	Ea
0570	Sewer Bulkhead, 36 inch	4021237	1.000	Ea
0580	Trench Undercut and Backfill	4021260	200.000	Cyd
0590	_ Dewatering, Complete	4027051	1.000	LSUM
0600	Dr Structure Cover, Adj, Case 1	4030005	25.000	Ea
0610	Dr Structure Cover, Adj, Case 2	4030006	19.000	Ea
0620	Dr Structure Cover, Type B	4030010	40.000	Ea
0630	Dr Structure Cover, Type C	4030015	1.000	Ea
0640	Dr Structure Cover, Type G	4030040	18.000	Ea
0650	Dr Structure Cover, Type K	4030050	97.000	Ea
0660	Dr Structure, 24 inch dia	4030200	38.000	Ea
0670	Dr Structure, 48 inch dia	4030210	81.000	Ea
0680	Dr Structure, 60 inch dia	4030220	6.000	Ea
0690	Dr Structure, 72 inch dia	4030230	23.000	Ea
0700	Dr Structure, 96 inch dia	4030234	1.000	Ea

0710	Dr Structure, Add Depth of 96 inch dia, 8 foot to 15 foot	4030235	4.000	Ft
0720	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	62.000	Ft
0730	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	42.000	Ft
0740	Dr Structure, Add Depth of 60 inch dia, more than 15 foot	4030261	1.000	Ft
0750	Dr Structure, Add Depth of 72 inch dia, 8 foot to 15 foot	4030270	90.000	Ft
0760	Dr Structure, Add Depth of 72 inch dia, more than 15 foot	4030271	18.000	Ft
0770	Dr Structure, Adj, Add Depth	4030280	25.000	Ft
0780	Dr Structure, Tap, 12 inch	4030312	5.000	Ea
0790	Dr Structure, Tap, 24 inch	4030324	1.000	Ea
0800	_ Public Utility Structure, Adj, Add Depth	4037001	25.000	Ft
0810	_ Dr Structure, Manhole, 96 inch dia, with Weir	4037050	2.000	Ea
0820	_ Hydrodynamic Separator Structure, 3 cfs	4037050	1.000	Ea
0830	_ Hydrodynamic Separator Structure, 4 cfs	4037050	1.000	Ea
0840	_ Hydrodynamic Separator Structure, 9 cfs	4037050	1.000	Ea
0850	_ Public Utility Structure Cover, Adj, Case 1	4037050	56.000	Ea
0860	_ Public Utility Structure Cover, Adj, Case 2	4037050	26.000	Ea
0870	_ Underdrain, Subgrade, Open-Graded, 6 inch, RCOC	4047001	22,280.000	Ft
0880	Cold Milling HMA Surface	5010002	9,153.000	Syd
0890	HMA Surface, Rem	5010005	51,594.000	Syd
0900	Edge Trimming	5010009	3,326.000	Ft
0910	Hand Patching	5010025	200.000	Ton
0920	HMA, 3E3	5010045	10,116.000	Ton
0930	HMA, 4E3	5010051	12,292.000	Ton
0940	HMA, 5E3	5010057	5,008.000	Ton
0950	HMA Approach	5010061	4,354.000	Ton
0960	_ Joint, HMA Plane of Weakness	5017001	1,106.000	Ft
0970	_ HMA Approach, Commercial	5017031	21.000	Ton
0980	_ HMA Approach, Residential	5017031	65.000	Ton
0990	_ Pavt, Cleaning, RCOC	5017051	1.000	LSUM
1000	HMA, Temp Pavt (LVSP)	5020807	4,059.000	Ton
1010	Conc Pavt with Integral Curb, Nonreinf, 8 inch	6020164	1,224.000	Syd
1020	Joint, Contraction, C	6020202	100.000	Ft
1030	Joint, Expansion, E3	6020208	150.000	Ft
1040	Conc Pavt, Bridge Approach, Reinf	6020600	321.000	Syd
1050	Driveway, Nonreinf Conc, 6 inch	8010005	4,991.000	Syd
1060	Curb and Gutter, Conc, Det D1	8020030	120.000	Ft
1070	Curb and Gutter, Conc, Det D2	8020031	470.000	Ft
1080	Curb and Gutter, Conc, Det F6	8020040	23,280.000	Ft
1090	_ Driveway Opening, Conc, Det M, RCOC	8027001	958.000	Ft
1100	Curb Ramp Opening, Conc	8030030	793.000	Ft
1110	Sidewalk Ramp, Conc, 6 inch	8030036	12,765.000	Sft

1120	Sidewalk, Conc, 4 inch	8030044	70,024.000	Sft
1130	Sidewalk, Conc, 6 inch	8030046	9,994.000	Sft
1140	_ Detectable Warning Surface, City of Troy	8037001	755.000	Ft
1150	Shared use Path, HMA	8060040	2,813.000	Ton
1160	Guardrail, Type MGS-8	8070004	288.000	Ft
1170	Guardrail Anch, Bridge, Det T1	8070022	4.000	Ea
1180	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea
1190	Guardrail Reflector	8070080	28.000	Ea
1200	Post, Mailbox	8070095	65.000	Ea
1210	_ Timber Rub Rail	8077001	248.000	Ft
1220	Fence, Chain Link, 48 inch	8080011	400.000	Ft
1230	Post, Steel, 3 lb	8100371	2,110.000	Ft
1240	Post, Wood, 4 inch by 6 inch	8100380	110.000	Ft
1250	Sign, Type IIA	8100398	90.000	Sft
1260	Sign, Type IIB	8100399	8.000	Sft
1270	Sign, Type III, Rem	8100403	195.000	Ea
1280	Sign, Type IIIA	8100404	1,190.000	Sft
1290	Sign, Type IIIB	8100405	210.000	Sft
1300	_ Post, Flexible, Delineator, RCOC	8107050	135.000	Ea
1310	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	38,106.000	Ft
1320	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	8,525.000	Ft
1330	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	350.000	Ft
1340	Rem Spec Mrkg	8110343	928.000	Sft
1350	_ Pavt Mrkg, Cold Plastic, 18 inch, Stop Bar	8117001	575.000	Ft
1360	_ Pavt, Mrkg, Cold Plastic, 6 inch, Crosswalk Line	8117001	2,650.000	Ft
1370	_ Pavt Mrkg, Cold Plastic, Left-Turn Arrow Symbol	8117050	19.000	Ea
1380	_ Pavt Mrkg, Cold Plastic, Right-Turn Arrow Symbol	8117050	26.000	Ea
1390	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	60.000	Ea
1400	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	60.000	Ea
1410	Pedestrian Type II Barricade, Temp	8120026	22.000	Ea
1420	Channelizing Device, 42 inch, Furn	8120030	15.000	Ea
1430	Channelizing Device, 42 inch, Oper	8120031	15.000	Ea
1440	Conc Barrier, Temp, Adj	8120080	315.000	Ft
1450	Conc Barrier, Temp, Furn	8120081	315.000	Ft
1460	Conc Barrier, Temp, Oper	8120082	315.000	Ft
1470	High Intensity Light, Type B, Furn	8120110	1.000	Ea
1480	High Intensity Light, Type B, Oper	8120111	1.000	Ea
1490	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
1500	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
1510	Ltg for Night Work	8120160	1.000	LSUM
1520	Minor Traf Devices	8120170	1.000	LSUM
1530	Mobile Attenuator	8120180	1.000	Ea
1540	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	13,800.000	Ft

1550	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	13,600.000	Ft
1560	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	24,600.000	Ft
1570	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	7,200.000	Ft
1580	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	5,600.000	Ft
1590	Plastic Drum, High Intensity, Furn	8120250	875.000	Ea
1600	Plastic Drum, High Intensity, Oper	8120251	875.000	Ea
1610	Sign Cover	8120310	25.000	Ea
1620	Sign, Portable, Changeable Message, Furn	8120330	6.000	Ea
1630	Sign, Portable, Changeable Message, Oper	8120331	6.000	Ea
1640	Sign, Type B, Temp, Prismatic, Furn	8120350	4,200.000	Sft
1650	Sign, Type B, Temp, Prismatic, Oper	8120351	4,200.000	Sft
1660	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	960.000	Sft
1670	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	960.000	Sft
1680	Traf Regulator Control	8120370	1.000	LSUM
1690	_ Riprap Plain, RCOC	8137011	81.000	Syd
1700	_ Turf Establishment, ES Seed, Special Mulch, Performance, RCOC	8167011	4,450.000	Syd
1710	_ Turf Establishment, THM Seed, Regular Mulch, Performance, RCOC	8167011	52,769.000	Syd
1720	Cable Pole, Sec, Disman	8190006	1.000	Ea
1730	Cable Pole, TS and Sec, Disman	8190009	2.000	Ea
1740	Cable Pole, TS, Disman	8190010	2.000	Ea
1750	Cable, Sec, Rem	8190017	345.000	Ft
1760	Conduit, DB, 1, 1 1/4 inch	8190026	450.000	Ft
1770	Conduit, DB, 1, 3 inch	8190029	40.000	Ft
1780	Conduit, DB, 2, 3 inch	8190032	65.000	Ft
1790	Conduit, DB, 3, 3 inch	8190035	65.000	Ft
1800	Conduit, DB, 3, 4 inch	8190036	25.000	Ft
1810	DB Cable, in Conduit, 600V, 1/C#2	8190201	29,320.000	Ft
1820	Cable, Equipment Grounding Wire, 1/C#6	8190236	13,165.000	Ft
1830	Hh, Rem	8190254	8.000	Ea
1840	Hh, Round	8190260	49.000	Ea
1850	Light Std Fdn	8190279	94.000	Ea
1860	Light Std Fdn, Rem	8190280	6.000	Ea
1870	Light Std Shaft, Rem	8190305	6.000	Ea
1880	Luminaire, Rem	8190360	6.000	Ea
1890	Wood Pole, Fit Up, Sec Cable Pole	8190495	1.000	Ea
1900	Wood Pole, Fit Up, Sec Serv Pole	8190496	3.000	Ea
1910	Wood Pole, Fit Up, TS and Sec Cable Pole	8190500	1.000	Ea
1920	Wood Pole, Rem	8190505	5.000	Ea
1930	Conduit, Directional Bore, 1, 3 inch	8190602	1,790.000	Ft
1940	_ Cable, Sec, 600V, 1, 2/C#4, #6 Ground, RCOC	8197001	205.000	Ft
1950	_ Conduit, DB, 1, 2 inch	8197001	11,265.000	Ft

1960	_ Hh, Square, RCOC	8197050	3.000	Ea
1970	_ Lighting Control Enclosure	8197050	3.000	Ea
1980	_ Lighting Control Enclosure Fdn	8197050	3.000	Ea
1990	_ Type 'OA' Lighting Unit	8197050	94.000	Ea
2000	Case Sign, Rem	8200020	10.000	Ea
2010	Controller and Cabinet, Rem	8200030	3.000	Ea
2020	Controller Fdn, Base Mount	8200045	3.000	Ea
2030	Controller Fdn, Rem	8200046	3.000	Ea
2040	Fdn, Rem	8200065	2.000	Ea
2050	Pedestal, Alum	8200100	2.000	Ea
2060	Pedestal, Fdn	8200105	2.000	Ea
2070	Pedestal Fdn, Rem	8200106	2.000	Ea
2080	Pedestal, Rem	8200110	2.000	Ea
2090	Pushbutton and Sign	8200121	24.000	Ea
2100	Pushbutton, Rem	8200122	24.000	Ea
2110	Serv Disconnect	8200135	3.000	Ea
2120	Serv Disconnect, Rem	8200136	3.000	Ea
2130	Span Wire, Rem	8200141	2.000	Ea
2140	Steel Pole, Rem	8200145	2.000	Ea
2150	TS, Bracket Arm Mtd, Rem	8200175	7.000	Ea
2160	TS, Pedestal Mtd, Rem	8200179	1.000	Ea
2170	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	10.000	Ea
2180	TS, Pedestrian, Pedestal Mtd, Rem	8200181	2.000	Ea
2190	TS, Span Wire Mtd, Rem	8200182	24.000	Ea
2200	TS, One Way Span Wire Mtd (LED)	8200313	12.000	Ea
2210	TS, One Way Span Wire Mtd, FYA (LED)	8200314	12.000	Ea
2220	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	12.000	Ea
2230	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	10.000	Ea
2240	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	2.000	Ea
2250	TS Head, Adj	8200452	1.000	Ea
2260	TS Head, Temp	8200453	4.000	Ea
2270	TS Face, Bag	8200458	45.000	Ea
2280	TS Face, Bag, Rem	8200459	23.000	Ea
2290	Strain Pole, Steel, 6 bolt, 30 foot	8200460	3.000	Ea
2300	Strain Pole, Steel, 6 bolt, 36 foot	8200461	2.000	Ea
2310	Strain Pole Fdn, 6 Bolt	8200470	66.000	Ft
2320	Casing	8200480	40.000	Ft
2330	_ Autoscope Camera, Rem, RCOC	8207050	16.000	Ea
2340	_ Bracket Arm, 18 foot, RCOC	8207050	5.000	Ea
2350	_ Bracket Arm, 9 foot, RCOC	8207050	2.000	Ea
2360	_ Bracket Arm, Rem, RCOC	8207050	3.000	Ea
2370	_ Controller and Cabinet, Digital Type, Delivered, RCOC	8207050	2.000	Ea
2380	_ Controller and Cabinet, Digital Type, RCOC	8207050	2.000	Ea

2390	_ Controller and Cabinet, Digital Type, Salv, RCOC	8207050	1.000	Ea
2400	_ Optical and GPS Priority Control System, RCOC	8207050	3.000	Ea
2410	_ Optical Priority Control System, Rem, RCOC	8207050	1.000	Ea
2420	_ Pushbutton Supprt Post, RCOC	8207050	21.000	Ea
2430	_ Span Wire, Box, RCOC	8207050	3.000	Ea
2440	_ Span Wire, Box, Rem, RCOC	8207050	1.000	Ea
2450	_ Support Post, Rem, RCOC	8207050	3.000	Ea
2460	_ Tether Wire, Box, RCOC	8207050	3.000	Ea
2470	_ Video Surveillance, Camera, RCOC	8207050	3.000	Ea
2480	_ Video Traf Detection Camera and Processor, RCOC	8207050	16.000	Ea
2490	Monument Box	8210001	2.000	Ea
2500	Monument Box Adjust	8210005	3.000	Ea
2510	Monument Preservation	8210010	2.000	Ea
2520	Gate Valve, 8 inch	8230062	13.000	Ea
2530	Gate Valve, 12 inch	8230064	14.000	Ea
2540	Gate Well, Abandon	8230075	19.000	Ea
2550	Hydrant, Relocate, Case 1	8230095	9.000	Ea
2560	_ Abandon Exist Water Main, 12 inch	8237001	5,297.000	Ft
2570	_ Abandon Exist Water Main, 8 inch	8237001	966.000	Ft
2580	_ Polyethylene Encasement	8237001	7,118.000	Ft
2590	_ Sprinkler Line	8237001	1,000.000	Ft
2600	_ Water Main, Class 54, DI, 12 inch, Directional Drilled	8237001	865.000	Ft
2610	_ Water Main, Class 54, DI, 12 inch, Tr Det F	8237001	1,184.000	Ft
2620	_ Water Main, Class 54, DI, 12 inch, Tr Det G	8237001	3,107.000	Ft
2630	_ Water Main, Class 54, DI, 16 inch, Rem and Replace	8237001	900.000	Ft
2640	_ Water Main, Class 54, DI, 8 inch, Directional Drilled	8237001	738.000	Ft
2650	_ Water Main, Class 54, DI, 8 inch, Tr Det G	8237001	324.000	Ft
2660	_ Water Main, HDPE DR 11, 14 inch, Directional Drilled	8237001	239.000	Ft
2670	_ Connect to Exist Water Main, 12 inch	8237050	2.000	Ea
2680	_ Connect to Exist Water Main, 16 inch	8237050	3.000	Ea
2690	_ Connect to Exist Water Main, 8 inch	8237050	13.000	Ea
2700	_ Fire Hydrant Assembly	8237050	12.000	Ea
2710	_ Gate Well, 60 inch dia	8237050	13.000	Ea
2720	_ Gate Well, 72 inch dia	8237050	14.000	Ea
2730	_ Gate Well, Rem	8237050	3.000	Ea
2740	_ Hydrant, Relocate, Case 2	8237050	2.000	Ea
2750	_ Hydrant, Rem	8237050	9.000	Ea
2760	_ Irrigation Control Box, Relocate	8237050	5.000	Ea
2770	_ Irrigation Control Box, Replace	8237050	5.000	Ea
2780	_ Sprinkler Head, Relocate	8237050	100.000	Ea
2790	_ Sprinkler Head, Replace	8237050	100.000	Ea
2800	_ Water Main, 12 inch, Cut and Plug	8237050	2.000	Ea
2810	_ Water Main, 8 inch, Cut and Plug	8237050	14.000	Ea
2820	_ Water Serv	8237050	14.000	Ea

2830	_ Water Serv, Long	8237050	20.000	Ea
2840	_ Water Shutoff, Rem	8237050	34.000	Ea
2850	Flowable Fill, Non-Structural	8260148	25.000	Cyd
2860	_ 8 inch Sanitary Sewer, PVC Truss in 20 inch Casing Pipe, Bore and Jack	8267001	93.000	Ft
2870	_ Sanitary Manhole, add depth, 8 feet to 15 feet	8267001	65.000	Ft
2880	_ Sanitary Manhole, add depth, greater than 15 feet	8267001	3.000	Ft
2890	_ Sanitary Serv	8267001	379.000	Ft
2900	_ Sanitary Sewer, PVC Truss, 8 inch, Tr Det A	8267001	446.000	Ft
2910	_ Sanitary Sewer, PVC Truss, 8 inch, Tr Det B	8267001	1,956.000	Ft
2920	_ Sanitary Manhole, 48 inch dia	8267050	13.000	Ea
2930	_ Sanitary Serv, Connect	8267050	23.000	Ea
2940	_ Sanitary Sewer Tap, 8 inch	8267050	5.000	Ea
2950	_ Reimbursed Permit Fees	8507060	5,000.000	Dlr

Section: 2

2960	Structures, Rem Portions	2040061	1.000	LSUM
2970	Backfill, Structure, CIP	2060002	26.000	Cyd
2980	Excavation, Fdn	2060010	100.000	Cyd
2990	Bridge Ltg, Furn and Rem	7060001	1.000	LSUM
3000	Bridge Ltg, Oper and Maintain	7060002	117.000	Cyd
3010	Elec Grounding System	7060040	1.000	Ea
3020	Reinforcement, Steel, Epoxy Coated	7060092	7,742.000	Lb
3030	Substructure Conc	7060100	5.000	Cyd
3040	Superstructure Conc, Form, Finish, and Cure, Night Casting	7060112	1.000	LSUM
3050	Superstructure Conc, Night Casting	7060113	117.000	Cyd
3060	_ Bridge Name Plate	7067050	1.000	Ea
3070	Bearing, Elastomeric, 3/4 inch	7070011	747.000	Sin
3080	Bearing, Elastomeric, 2 1/4 inch	7070017	6,722.000	Sin
3090	Prest Conc Box Beam, Furn, 17 inch	7080055	380.000	Ft
3100	Prest Conc Box Beam, Erect, 17 inch	7080056	380.000	Ft
3110	Joint Waterproofing	7100001	690.000	Sft
3120	Conc Surface Coating	7100011	45.000	Syd
3130	Bridge Railing, Aesthetic Parapet Tube	7110005	80.000	Ft
3140	Hand Chipping, Other Than Deck	7120007	39.000	Cft
3150	Patch, Forming	7120017	78.000	Sft
3160	Patching Conc, C-L	7120112	2.000	Cyd
3170	Embedded Galvanic Anode	7120120	112.000	Ea
3180	Fence, Structure	8080110	620.000	Sft
3190	Conduit, Fiberglass, 3 inch, Structure	8190099	111.000	Ft
3200	_ Conduit Support System	8197051	1.000	LSUM

Schedule of Pay Items

Report v1

Letting Call: 181005 003

Letting Date: October 5, 2018

Contract ID: 09000-130094

Description: 0.59 mi of hot mix asphalt reconstruction, widening and resurfacing, concrete curb, gutter, sidewalk and ramps, pavement removal, storm sewer, drainage and watermain on North Trumbull Street from Center Avenue (M-25) to Woodside Avenue in the city of Bay City, Bay County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130094A	1801025	N/A	STUL 09000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$254,800.00	1500001	1.000	LSUM
0020	Tree, Rem, 19 inch to 36 inch	2020002	1.000	Ea
0030	Tree, Rem, 37 inch or Larger	2020003	2.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	73.000	Ea
0050	Dr Structure, Rem	2030011	44.000	Ea
0060	Sewer, Rem, Less than 24 inch	2030015	1,037.000	Ft
0070	Sewer, Rem, 24 inch to 48 inch	2030016	2,946.000	Ft
0080	Sidewalk, Rem	2040055	3,357.000	Syd
0090	_ Curb and Gutter, Rem, Modified	2047001	6,256.000	Ft
0100	_ Driveway, Rem	2047011	650.000	Syd
0110	_ Pavt, Rem, Modified	2047011	11,602.000	Syd
0120	Embankment, CIP	2050010	1,007.000	Cyd
0130	Excavation, Earth	2050016	7,797.000	Cyd
0140	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0150	Subgrade Undercutting, Type II	2050041	200.000	Cyd
0160	Erosion Control, Inlet Protection, Fabric Drop	2080020	25.000	Ea
0170	Erosion Control, Silt Fence	2080036	850.000	Ft
0180	Project Cleanup	2090001	1.000	LSUM
0190	Subbase, CIP	3010002	5,692.000	Cyd
0200	Aggregate Base, 6 inch	3020016	16,119.000	Syd
0210	Aggregate Surface Cse, 6 inch	3060010	25.000	Syd
0220	Maintenance Gravel	3060020	350.000	Ton
0230	Sewer, CI IV, 12 inch, Tr Det B	4020987	940.000	Ft
0240	Sewer, CI IV, 15 inch, Tr Det B	4020988	290.000	Ft
0250	Sewer, CI IV, 24 inch, Tr Det B	4020993	39.000	Ft
0260	_ Sewer, CI IV, 36 inch, Tr Det B, Modified	4027001	3,076.000	Ft

0270	_ Service Lead Repair	4027050	60.000	Ea
0280	_ Sewer Pipe Connection	4027050	9.000	Ea
0290	_ Temporary Bypass Pumping	4027051	1.000	LSUM
0300	Dr Structure Cover, Adj, Case 1	4030005	3.000	Ea
0310	Dr Structure Cover, Adj, Case 2	4030006	7.000	Ea
0320	Dr Structure, 48 inch dia	4030210	25.000	Ea
0330	Dr Structure, 60 inch dia	4030220	17.000	Ea
0340	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	31.000	Ft
0350	Dr Structure, Tap, 12 inch	4030312	8.000	Ea
0360	Dr Structure, Tap, 15 inch	4030315	3.000	Ea
0370	Dr Structure, Tap, 36 inch	4030336	1.000	Ea
0380	_ Dr Structure Cover, Type B, Modified	4037050	17.000	Ea
0390	_ Dr Structure Cover, Type G, Modified	4037050	2.000	Ea
0400	_ Dr Structure Cover, Type K, Modified	4037050	23.000	Ea
0410	_ Structure Cover, Adj, Case 1, 12 inch, Modified	4037050	24.000	Ea
0420	_ Structure Cover, Adj, Case 1, 48 inch, Modified	4037050	38.000	Ea
0430	HMA Surface, Rem	5010005	11,008.000	Syd
0440	Hand Patching	5010025	4.000	Ton
0450	HMA, 3E3	5010045	2,349.000	Ton
0460	HMA, 4E3	5010051	1,566.000	Ton
0470	HMA, 5E3	5010057	1,154.000	Ton
0480	Driveway, Nonreinf Conc, 6 inch	8010005	690.000	Syd
0490	Curb and Gutter, Conc, Det F2	8020036	5,931.000	Ft
0500	_ Spillway, Conc, Modified	8027050	2.000	Ea
0510	Curb Ramp Opening, Conc	8030030	261.000	Ft
0520	Sidewalk Ramp, Conc, 6 inch	8030036	4,400.000	Sft
0530	Sidewalk, Conc, 4 inch	8030044	20,902.000	Sft
0540	Sidewalk, Conc, 6 inch	8030046	3,861.000	Sft
0550	_ Detectable Warning Surface, Cast Iron, Special	8037001	244.000	Ft
0560	Post, Steel, 3 lb	8100371	648.000	Ft
0570	Sign, Type III, Erect, Salv	8100402	18.000	Ea
0580	Sign, Type III, Rem	8100403	61.000	Ea
0590	Sign, Type IIIA	8100404	191.000	Sft
0600	Sign, Type IIIB	8100405	59.000	Sft
0610	Sign, Type V, Rem	8100421	1.000	Ea
0620	Sign, Type VB	8100425	8.000	Sft
0630	_ Sign, Type III, Erect, Salv, Modified	8107050	2.000	Ea
0640	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	386.000	Ft
0650	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	218.000	Ft
0660	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	15.000	Ea
0670	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	1.000	Ea
0680	Pavt Mrkg, Waterborne, 4 inch, White	8110231	140.000	Ft
0690	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	6,460.000	Ft
0700	Pavt Mrkg, Waterborne, 12 inch, Yellow	8110238	101.000	Ft

0710	Barricade, Type III, High Intensity, Lighted, Furn	8120022	40.000	Ea
0720	Barricade, Type III, High Intensity, Lighted, Oper	8120023	40.000	Ea
0730	Pedestrian Type II Barricade, Temp	8120026	17.000	Ea
0740	Channelizing Device, 42 inch, Furn	8120030	250.000	Ea
0750	Channelizing Device, 42 inch, Oper	8120031	250.000	Ea
0760	Minor Traf Devices	8120170	1.000	LSUM
0770	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0780	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0790	Sign Cover	8120310	85.000	Ea
0800	Sign, Type B, Temp, Prismatic, Furn	8120350	705.000	Sft
0810	Sign, Type B, Temp, Prismatic, Oper	8120351	705.000	Sft
0820	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	427.000	Sft
0830	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	427.000	Sft
0840	_ Turf Establishment, Performance	8167011	4,580.000	Syd
0850	Monument Box	8210001	1.000	Ea
0860	Monument Preservation	8210010	1.000	Ea
0870	Live Tap, 6 inch by 8 inch	8230260	1.000	Ea
0880	Live Tap, 8 inch by 12 inch	8230264	3.000	Ea
0890	_ Water Main, 8 inch, Directional Bore	8237001	96.000	Ft
0900	_ Water Main, Abandon	8237001	74.000	Ft
0910	_ Water Main, DI, 8 inch, Tr Det G, Modified	8237001	3,804.000	Ft
0920	_ Water Main, Rem	8237001	3,950.000	Ft
0930	_ Water Service Lead, 1 inch, Modified	8237001	1,370.000	Ft
0940	_ Connect to Existing Water Main	8237050	18.000	Ea
0950	_ Curb Stop Box and Connection, 1 inch, Modified	8237050	60.000	Ea
0960	_ Fire Hydrant w/ Valve Assembly	8237050	6.000	Ea
0970	_ Gate Valve and Box, 8 inch, Modified	8237050	27.000	Ea
0980	_ Remove and Salvage Existing Hydrant	8237050	5.000	Ea



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 004

Letting Date: October 5, 2018

Contract ID: 25000-130619

Description: Installation of traffic adaptive system and signal upgrades at 7 locations on Hill Road from Torrey Road to Van Slyke Road, Genesee County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130619A	1801021	N/A	CM 25000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$73,600.00	1500001	1.000	LSUM
0020	Exploratory Investigation, Vertical	2040080	50.000	Ft
0030	Non Haz Contaminated Material Handling and Disposal, LM	2050031	10.000	Cyd
0040	Fence, Protective	8080007	50.000	Ft
0050	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	680.000	Ft
0060	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	8.000	Ea
0070	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
0080	Rem Spec Mrkg	8110343	2,030.000	Sft
0090	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
0100	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea
0110	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0120	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0130	Minor Traf Devices	8120170	1.000	LSUM
0140	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	500.000	Ft
0150	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	500.000	Ft
0160	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0170	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0180	Sign, Type A, Temp, Prismatic, Furn	8120340	100.000	Sft
0190	Sign, Type A, Temp, Prismatic, Oper	8120341	100.000	Sft
0200	Sign, Type B, Temp, Prismatic, Furn	8120350	200.000	Sft
0210	Sign, Type B, Temp, Prismatic, Oper	8120351	200.000	Sft
0220	Traf Regulator Control	8120370	1.000	LSUM
0230	_ Slope Restoration, Modified	8167011	100.000	Syd
0240	Conduit, DB, 1, 1 1/2 inch	8190027	300.000	Ft
0250	Conduit, DB, 1, 3 inch	8190029	700.000	Ft
0260	Conduit, DB, 3, 3 inch	8190035	270.000	Ft

0270	Conduit, DB, 4, 3 inch	8190038	150.000	Ft
0280	Conduit, Directional Bore, 3 inch	8190044	100.000	Ft
0290	Hh, Round, 3 foot dia	8190259	5.000	Ea
0300	Hh, Round	8190260	6.000	Ea
0310	Cable, Sec, 600V, 1, 3/C#6	8190399	500.000	Ft
0320	Wood Pole, Fit Up, TS Cable Pole	8190501	1.000	Ea
0330	Wood Pole, Rem	8190505	5.000	Ea
0340	Case Sign, Rem	8200020	5.000	Ea
0350	Case Sign (LED), Four Way, 24 inch by 30 inch	8200023	1.000	Ea
0360	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	3.000	Ea
0370	Controller and Cabinet, Rem	8200030	5.000	Ea
0380	Controller and Cabinet, Digital Type	8200031	5.000	Ea
0390	Controller Fdn, Base Mount	8200045	5.000	Ea
0400	Fdn, Rem	8200065	1.000	Ea
0410	Power Co. (Est. Cost to Contractor)	8200116	27,100.000	Dlr
0420	Serv Disconnect	8200135	5.000	Ea
0430	Serv Disconnect, Rem	8200136	5.000	Ea
0440	Span Wire	8200140	7.000	Ea
0450	Span Wire, Rem	8200141	6.000	Ea
0460	Span Wire Tether	8200142	30.000	Ea
0470	Steel Pole, Rem	8200145	3.000	Ea
0480	TS, Bracket Arm Mtd, Rem	8200175	1.000	Ea
0490	TS, Span Wire Mtd, Rem	8200182	14.000	Ea
0500	TS, One Way Span Wire Mtd (LED)	8200313	34.000	Ea
0510	TS, One Way Span Wire Mtd, FYA (LED)	8200314	2.000	Ea
0520	TS, Three Way Span Wire Mtd (LED)	8200325	2.000	Ea
0530	TS, One Way Bracket Arm Mtd (LED)	8200333	1.000	Ea
0540	TS, Antenna, Rem	8200368	5.000	Ea
0550	Bracket, Truss, With 18 Foot Arm	8200378	2.000	Ea
0560	Wireless Intercn, Closed Loop, Master	8200393	1.000	Ea
0570	Wireless Intercn, Closed Loop, Remote	8200395	5.000	Ea
0580	Wireless Repeater, Rem	8200418	1.000	Ea
0590	Strain Pole, Steel, 6 bolt, 30 foot	8200460	9.000	Ea
0600	Strain Pole, Steel, 6 bolt, 36 foot	8200461	2.000	Ea
0610	Strain Pole Fdn, 6 Bolt	8200470	132.000	Ft
0620	Casing	8200480	94.000	Ft
0630	Backplate, TS	8200501	46.000	Ea
0640	_ Bracket, Extension Arm	8207050	12.000	Ea
0650	_ Roadside Unit, Intersection	8207050	1.000	Ea
0660	_ Video Traf Detection Camera_InSync Fire Camera	8207050	24.000	Ea
0670	_ Video Traf Detection Camera_InSync Fire Camera, Delivered	8207050	4.000	Ea
0680	_ Video Traf Detection System_InSync Traffic Adaptive, Delivered	8207050	7.000	Ea
0690	_ Wireless Interconnect, Access Point, Delivered	8207050	1.000	Ea

0700	_ Wireless Interconnect, Managed Ethernet Switch, 8 Port, Delivered	8207050	6.000	Ea
------	--	---------	-------	----



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 005

Letting Date: October 5, 2018

Contract ID: 86000-M00237

Description: Cleaning and coating existing structural steel of the south tower of the Mackinac Bridge, Emmet County. This project includes a 2 year bridge painting warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
M00237	N/A	N/A	M 86000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$590,700.00	1500001	1.000	LSUM
0020	Beam Plate, Seal Perimeter	7130010	34,200.000	Ft
0030	Steel Structure, Cleaning, Type 4 (B01 of 86000)	7150045	1.000	LSUM
0040	Steel Structure, Coating, Type 4 (B01 of 86000)	7150046	1.000	LSUM
0050	_ Coating, Steel Structure, Special	7157051	1.000	LSUM
0060	_ Heating and Housing	7157051	1.000	LSUM
0070	Plastic Drum, Fluorescent, Furn	8120252	125.000	Ea



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 006

Letting Date: October 5, 2018

Contract ID: 36022-126829

Description: 3.85 mi of hot mix asphalt cold milling and resurfacing, joint repairs, culverts, concrete curb, gutter and sidewalk, signage, guardrail and pavement markings on US-2 from North River Avenue easterly to Bates-Amasa Road in the city of Iron River, Iron County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
126829A	1801095	N/A	NH 36022
201197A	1801092	N/A	NH 36022

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$279,800.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	9.000	Ea
0030	Stump, Rem, 6 inch to 18 inch	2020008	1.000	Ea
0040	Culv, Rem, Less than 24 inch	2030001	6.000	Ea
0050	Culv, Rem, 24 inch to 48 inch	2030002	5.000	Ea
0060	Culv, End, Rem, 24 inch to 48 inch	2030006	2.000	Ea
0070	Curb and Gutter, Rem	2040020	1,600.000	Ft
0080	Guardrail, Rem	2040035	2,741.000	Ft
0090	Sidewalk, Rem	2040055	135.000	Syd
0100	Embankment, CIP	2050010	4,254.000	Cyd
0110	Excavation, Earth	2050016	5,832.000	Cyd
0120	Non Haz Contaminated Material Handling and Disposal, LM	2050031	20.000	Cyd
0130	Erosion Control, Check Dam, Stone	2080012	300.000	Ft
0140	Erosion Control, Gravel Access Approach	2080016	1.000	Ea
0150	Erosion Control, Inlet Protection, Fabric Drop	2080020	5.000	Ea
0160	Erosion Control, Inlet Protection, Sediment Trap	2080024	5.000	Ea
0170	Erosion Control, Maintenance, Sediment Removal	2080026	65.000	Cyd
0180	Erosion Control, Sediment Trap	2080034	4.000	Ea
0190	Erosion Control, Silt Fence	2080036	3,229.000	Ft
0200	Subbase, CIP	3010002	5,148.000	Cyd
0210	Aggregate Base	3020001	2,325.000	Ton
0220	Approach, CI I	3070001	1,904.000	Ton
0230	Approach, CI II	3070021	1,302.000	Ton
0240	Shoulder, CI II	3070121	1,692.000	Ton
0250	Trenching	3070200	24.000	Sta

0260	Culv End Sect, 24 inch	4010024	4.000	Ea
0270	Culv End Sect, Conc, 24 inch	4010051	18.000	Ea
0280	Culv End Sect, Conc, 30 inch	4010052	4.000	Ea
0290	Culv End Sect, Conc, 36 inch	4010053	3.000	Ea
0300	Culv End Sect, Grate	4010083	165.000	Lb
0310	Culv, CI A, 24 inch	4010134	112.000	Ft
0320	Culv, CI A, Conc, 24 inch	4010168	8.000	Ft
0330	Culv, CI A, Conc, 30 inch	4010169	28.000	Ft
0340	Culv, CI A, Conc, 36 inch	4010170	48.000	Ft
0350	Culv, CI C, Conc, 30 inch	4010373	64.000	Ft
0360	Culv, CI E, 18 inch	4010541	119.000	Ft
0370	Culv, CI E, 24 inch	4010542	32.000	Ft
0380	Culv, CI F, 18 inch	4010609	72.000	Ft
0390	Culv, Slp End Sect, 1 on 4, 18 inch, Longit	4010919	40.000	Ea
0400	Culv, Slp End Sect, 1 on 4, 24 inch, Longit	4010923	2.000	Ea
0410	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	2.000	Ea
0420	Culv, Slp End Sect, 1 on 4, 30 inch, Transv	4010928	1.000	Ea
0430	Dr Marker Post	4011109	11.000	Ea
0440	_ Culvert Cleanout	4017001	475.000	Ft
0450	Dr Structure Cover, Adj, Case 1	4030005	5.000	Ea
0460	Dr Structure Cover, Adj, Case 2	4030006	7.000	Ea
0470	Dr Structure Cover, Type C	4030015	5.000	Ea
0480	Dr Structure, Adj, Add Depth	4030280	5.000	Ft
0490	_ Dr Structure Cover, ADA Compliant	4037050	2.000	Ea
0500	Underdrain, Subbase, 6 inch	4040063	3,554.000	Ft
0510	Underdrain Outlet, 6 inch	4040093	409.000	Ft
0520	Underdrain, Outlet Ending, 6 inch	4040113	11.000	Ea
0530	Cold Milling HMA Surface	5010002	92,288.000	Syd
0540	Bump Grinding	5010004	200.000	Syd
0550	HMA Surface, Rem	5010005	8,025.000	Syd
0560	HMA Quality Initiative	5010007	41,364.000	Dlr
0570	Longitudinal Joint Density Quality Initiative	5010018	118,242.000	Dlr
0580	Pavt Joint and Crack Repr, Det 7	5010020	4,918.000	Ft
0590	Pavt Joint and Crack Repr, Det 8	5010021	1,229.000	Ft
0600	Hand Patching	5010025	800.000	Ton
0610	HMA, 3E3	5010045	1,031.000	Ton
0620	HMA, 4E3	5010051	7,025.000	Ton
0630	HMA, 5E3	5010057	6,817.000	Ton
0640	HMA Approach	5010061	1,462.000	Ton
0650	HMA, LVSP	5010703	3,547.000	Ton
0660	_ Ride Incentive	5017060	26,989.000	Dlr
0670	Curb, Conc, Det E2	8020002	27.000	Ft
0680	Curb and Gutter, Conc, Det B2	8020016	921.000	Ft
0690	Curb and Gutter, Conc, Det C6	8020025	32.000	Ft
0700	Curb and Gutter, Conc, Det D2	8020031	1,387.000	Ft

0710	Shoulder Gutter, Conc, Det 2	8020056	30.000	Ea
0720	Spillway, Conc	8020075	22.000	Ft
0730	Detectable Warning Surface	8030010	136.000	Ft
0740	Curb Ramp Opening, Conc	8030030	181.000	Ft
0750	Sidewalk Ramp, Conc, 4 inch	8030034	1,245.000	Sft
0760	Sidewalk, Conc, 4 inch	8030044	213.000	Sft
0770	Guardrail, Type MGS-8	8070004	2,388.000	Ft
0780	Guardrail, Curved, Type MGS-8	8070012	50.000	Ft
0790	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea
0800	Guardrail Reflector	8070080	104.000	Ea
0810	Post, Mailbox	8070095	54.000	Ea
0820	Fdn, Wood Support, Rem	8100280	17.000	Ea
0830	Post, Steel, 3 lb	8100371	458.000	Ft
0840	Post, Wood, 4 inch by 6 inch	8100380	32.000	Ft
0850	Sign, Type II, Erect, Salv	8100396	1.000	Ea
0860	Sign, Type II, Rem	8100397	2.000	Ea
0870	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0880	Sign, Type III, Rem	8100403	15.000	Ea
0890	Sign, Type IIIA	8100404	72.000	Sft
0900	Sign, Type IIIB	8100405	53.000	Sft
0910	Sign, Type VB	8100425	6.000	Sft
0920	Pavt Mrkg, Polyurea, Merge Arrow Symbol	8110107	2.000	Ea
0930	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, Yellow	8110109	76.000	Ft
0940	Pavt Mrkg, Waterborne, 4 inch, White	8110231	2,355.000	Ft
0950	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	29,284.000	Ft
0960	Pavt Mrkg, Waterborne, 6 inch, White	8110233	39,842.000	Ft
0970	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	2,355.000	Ft
0980	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	29,284.000	Ft
0990	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	39,842.000	Ft
1000	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	3.000	Ea
1010	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	1.000	Ea
1020	Recessing Pavt Mrkg, Longit	8110450	71,281.000	Ft
1030	Recessing Pavt Mrkg, Transv	8110451	148.000	Sft
1040	Protective Ovly, Snowmobile Trail Crossing	8110550	85.000	Syd
1050	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
1060	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea
1070	Pedestrian Type II Barricade, Temp	8120026	4.000	Ea
1080	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
1090	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
1100	Minor Traf Devices	8120170	1.000	LSUM
1110	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	12,000.000	Ft
1120	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	123,940.000	Ft
1130	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch,	8120236	25,960.000	Ft

	Yellow, Temp			
1140	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	1,100.000	Ft
1150	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,100.000	Ft
1160	Plastic Drum, Fluorescent, Furn	8120252	95.000	Ea
1170	Plastic Drum, Fluorescent, Oper	8120253	95.000	Ea
1180	Sign Cover	8120310	15.000	Ea
1190	Sign, Type B, Temp, Prismatic, Furn	8120350	1,450.000	Sft
1200	Sign, Type B, Temp, Prismatic, Oper	8120351	1,450.000	Sft
1210	Traf Regulator Control	8120370	1.000	LSUM
1220	Riprap, Plain	8130010	95.000	Syd
1230	Slope Restoration, Type A	8160100	1,051.000	Syd
1240	Slope Restoration, Type B	8160101	8,852.000	Syd
1250	Slope Restoration, Type C	8160102	2,101.000	Syd
1260	Slope Restoration, Type D	8160103	211.000	Syd
1270	Monument Box Adjust	8210005	1.000	Ea
1280	Protect Corners	8210020	4.000	Ea
1290	Centerline Corrugations, Milled, HMA	8220013	16,285.000	Ft
1300	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	34,300.000	Ft
1310	Contractor Staking, Road Only	8240007	1.000	LSUM
1320	Staking Plan Errors and Extras, One Person	8240020	24.000	Hr
1330	Staking Plan Errors and Extras, Two Person	8240021	10.000	Hr
1340	Staking Plan Errors and Extras, Three Person	8240022	15.000	Hr
1350	Flowable Fill, Non-Structural	8260148	17.000	Cyd



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 007

Letting Date: October 5, 2018

Contract ID: 59045-117997

Description: 2.08 mi of hot mix asphalt multiple overlay, concrete joint repairs, diamond grinding and pavement markings on M-46 from east M-66 to west 2nd Street in the village of Edmore, Montcalm County. This project includes a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
117997A	1801084	N/A	NH 59045

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$185,800.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	8.000	Ea
0030	Culv, End, Rem, Less than 24 inch	2030005	15.000	Ea
0040	Culv, End, Rem, 24 inch to 48 inch	2030006	4.000	Ea
0050	Curb and Gutter, Rem	2040020	929.000	Ft
0060	Pavt, Rem	2040050	321.000	Syd
0070	Ditch Cleanout	2050006	16.000	Sta
0080	Non Haz Contaminated Material Handling and Disposal, LM	2050031	200.000	Cyd
0090	_ Embankment, CIP, Special	2057021	479.000	Cyd
0100	_ Leaching Trench	2067001	17,202.000	Ft
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	12.000	Ea
0120	Erosion Control, Inlet Protection, Sediment Trap	2080024	10.000	Ea
0130	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0140	Erosion Control, Silt Fence	2080036	240.000	Ft
0150	Aggregate Base, 6 inch	3020016	120.000	Syd
0160	Maintenance Gravel	3060020	10.000	Ton
0170	Approach, CI II	3070021	290.000	Ton
0180	Shoulder, CI I	3070101	550.000	Ton
0190	Shoulder, CI II	3070121	1,618.000	Ton
0200	Shoulder, CI II, 8 inch	3070130	40.000	Syd
0210	_ Approach Grading, Type I	3077050	2.000	Ea
0220	_ Approach Grading, Type II	3077050	35.000	Ea
0230	Culv End Sect, 12 inch	4010012	22.000	Ea
0240	Culv End Sect, 15 inch	4010015	4.000	Ea
0250	Culv End Sect, 18 inch	4010018	2.000	Ea
0260	Culv End Sect, Conc, 12 inch	4010047	28.000	Ea
0270	Culv End Sect, Conc, 15 inch	4010048	6.000	Ea

0280	Culv End Sect, Metal, 12 inch	4010094	10.000	Ea
0290	Culv End Sect, Metal, 15 inch	4010095	2.000	Ea
0300	Culv, CI F, 12 inch	4010607	256.000	Ft
0310	Culv, CI F, 15 inch	4010608	160.000	Ft
0320	Culv, CI F, 18 inch	4010609	40.000	Ft
0330	Culv, CI F, Conc, 24 inch	4010644	24.000	Ft
0340	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	4.000	Ea
0350	Underdrain, Subbase, 6 inch	4040063	500.000	Ft
0360	Underdrain Outlet, 6 inch	4040093	100.000	Ft
0370	Underdrain, Outlet Ending, 6 inch	4040113	3.000	Ea
0380	Pavt, Cleaning	5010001	1.000	LSUM
0390	Cold Milling HMA Surface	5010002	255.000	Syd
0400	Bump Grinding	5010004	100.000	Syd
0410	HMA Surface, Rem	5010005	1,213.000	Syd
0420	HMA Quality Initiative	5010007	17,236.000	Dlr
0430	Pavt for Butt Joints, Rem	5010008	1,066.000	Syd
0440	Longitudinal Joint Density Quality Initiative	5010018	78,000.000	Dlr
0450	HMA, 4E3	5010051	4,485.000	Ton
0460	HMA, 5E3	5010057	3,468.000	Ton
0470	HMA Approach	5010061	665.000	Ton
0480	_ Asphalt Stabilized Crack Relief Layer	5017031	6,517.000	Ton
0490	_ Ride Incentive	5017060	11,500.000	Dlr
0500	Diamond Grinding Conc Pavt	6030015	12,220.000	Syd
0510	Joint, Contraction, Crg	6030020	110.000	Ft
0520	Lane Tie, Epoxy Anchored	6030030	1,000.000	Ea
0530	Non-Chloride Accelerator	6030035	146.000	Gal
0540	Pavt Repr, Nonreinf Conc, 9 1/2 inch	6030047	500.000	Syd
0550	Pavt Repr, Rem	6030080	500.000	Syd
0560	Saw Cut, Intermediate	6030090	3,720.000	Ft
0570	Sawing and Sealing Longit Pavt Joints	6030095	2,375.000	Ft
0580	Sawing and Sealing Trans Pavt Joints	6030096	272.000	Ft
0590	Driveway, Nonreinf Conc, 6 inch	8010005	118.000	Syd
0600	Curb and Gutter, Conc, Det B2	8020016	925.000	Ft
0610	Curb and Gutter, Conc, Det F1	8020035	50.000	Ft
0620	Driveway Opening, Conc, Det M	8020050	313.000	Ft
0630	Post, Mailbox	8070095	12.000	Ea
0640	Delineator Reflector, Green	8100133	4.000	Ea
0650	Installing MDOT Supplied Sign, Type III	8100302	1.000	Ea
0660	Post, Rigid, Delineator	8100361	4.000	Ea
0670	Post, Steel, 3 lb	8100371	14.000	Ft
0680	Sign, Type III, Rem	8100403	1.000	Ea
0690	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	6.000	Ea
0700	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	4.000	Ea
0710	Pavt Mrkg, Ovly Cold Plastic, School	8110074	2.000	Ea
0720	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow	8110077	2.000	Ea

	Sym			
0730	Pavt Mrkg, Polyurea, 6 inch, White	8110094	204.000	Ft
0740	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	125.000	Ft
0750	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,120.000	Ft
0760	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	7,060.000	Ft
0770	Pavt Mrkg, Waterborne, 6 inch, White	8110233	19,691.000	Ft
0780	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,120.000	Ft
0790	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	7,060.000	Ft
0800	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	19,691.000	Ft
0810	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0820	Recessing Pavt Mrkg, Longit	8110450	27,000.000	Ft
0830	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	350.000	Ea
0840	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	350.000	Ea
0850	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0860	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0870	Minor Traf Devices	8120170	1.000	LSUM
0880	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	3,050.000	Ft
0890	Plastic Drum, Fluorescent, Furn	8120252	10.000	Ea
0900	Plastic Drum, Fluorescent, Oper	8120253	10.000	Ea
0910	Sign Cover	8120310	4.000	Ea
0920	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	3.000	Ea
0930	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	3.000	Ea
0940	Sign, Type B, Temp, Prismatic, Furn	8120350	804.000	Sft
0950	Sign, Type B, Temp, Prismatic, Oper	8120351	804.000	Sft
0960	Traf Regulator Control	8120370	1.000	LSUM
0970	Riprap, Plain	8130010	12.000	Syd
0980	Topsoil Surface, Furn, 5 inch	8160063	25.000	Syd
0990	Slope Restoration, Type A	8160100	15,290.000	Syd
1000	Slope Restoration, Type B	8160101	2,000.000	Syd
1010	Monument Box	8210001	3.000	Ea
1020	Monument Preservation	8210010	3.000	Ea
1030	Centerline Corrugations, Milled, HMA	8220013	8,400.000	Ft
1040	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	16,800.000	Ft
1050	Contractor Staking, Road Only	8240007	1.000	LSUM
1060	Staking Plan Errors and Extras, One Person	8240020	11.000	Hr
1070	Staking Plan Errors and Extras, Two Person	8240021	7.000	Hr
1080	Staking Plan Errors and Extras, Three Person	8240022	5.000	Hr



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 008

Letting Date: October 5, 2018

Contract ID: 14061-132633

Description: 0.36 mi of high friction surface treatment, shoulder corrugations and pavement markings on M-60 from east of Giles Street northeasterly in Howard Township, Cass County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132633A	1801091	N/A	HSIP 14061

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$18,700.00	1500001	1.000	LSUM
0020	High Friction Surface Treatment	5060800	6,340.000	Syd
0030	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	3,800.000	Ft
0040	Pavt Mrkg, Waterborne, 6 inch, White	8110233	3,568.000	Ft
0050	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	3,800.000	Ft
0060	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	3,568.000	Ft
0070	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0080	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	50.000	Ea
0090	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	50.000	Ea
0100	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0110	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0120	Minor Traf Devices	8120170	1.000	LSUM
0130	Sign, Type B, Temp, Prismatic, Furn	8120350	248.000	Sft
0140	Sign, Type B, Temp, Prismatic, Oper	8120351	248.000	Sft
0150	Traf Regulator Control	8120370	1.000	LSUM
0160	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	2,542.000	Ft
0170	Contractor Staking, Road Only	8240007	1.000	LSUM
0180	Staking Plan Errors and Extras, One Person	8240020	2.000	Hr
0190	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0200	Staking Plan Errors and Extras, Three Person	8240022	1.000	Hr



8/31/2018 10:23 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 009

Letting Date: October 5, 2018

Contract ID: 77000-202273-2

Description: 0.16 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, addition of center left-turn lane, storm sewer, guardrail and pavement markings on Michigan Road at Lapeer Road, St. Clair County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202273A	1800820	N/A	CM 77000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$25,400.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0030	Dr Structure, Rem	2030011	3.000	Ea
0040	Sewer, Rem, Less than 24 inch	2030015	467.000	Ft
0050	Sewer, Rem, 24 inch to 48 inch	2030016	117.000	Ft
0060	Guardrail, Rem	2040035	75.000	Ft
0070	_ Pavt, Rem, Modified	2047011	437.000	Syd
0080	_ Headwall, Rem	2047050	1.000	Ea
0090	Embankment, CIP	2050010	477.000	Cyd
0100	Excavation, Earth	2050016	470.000	Cyd
0110	_ Machine Grading Modified	2057051	1.000	LSUM
0120	Erosion Control, Check Dam, Stone	2080012	25.000	Ft
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	3.000	Ea
0140	Project Cleanup	2090001	1.000	LSUM
0150	_ Aggregate Base, Modified	3027031	728.000	Ton
0160	_ Approach, CI II, Modified	3077031	11.000	Ton
0170	_ Shoulder, CI II, Modified	3077031	134.000	Ton
0180	Sewer, CI E, 15 inch, Tr Det B	4020601	66.000	Ft
0190	Sewer Bulkhead, 18 inch	4021232	1.000	Ea
0200	_ Sewer, CI A, 24 inch, Special	4027001	117.000	Ft
0210	_ Sewer, CI A, 15 inch, Special	4027001	488.000	Ft
0220	_ Sewer, CI A, 18 inch, Special	4027001	157.000	Ft
0230	Dr Structure Cover, Type E	4030035	5.000	Ea
0240	Dr Structure Cover, Type J	4030045	2.000	Ea
0250	Dr Structure, 48 inch dia	4030210	6.000	Ea
0260	Dr Structure, 60 inch dia	4030220	1.000	Ea
0270	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	3.000	Ft

0280	Dr Structure, Tap, 24 inch	4030324	1.000	Ea
0290	Cold Milling HMA Surface	5010002	2,222.000	Syd
0300	Hand Patching	5010025	20.000	Ton
0310	HMA, 13A	5010033	109.000	Ton
0320	HMA, 3E10	5010046	424.000	Ton
0330	HMA, 4E10	5010052	283.000	Ton
0340	HMA, 5E10	5010058	243.000	Ton
0350	HMA Approach	5010061	30.000	Ton
0360	Saw Cut, Intermediate	6030090	85.000	Ft
0370	Driveway, Reinf Conc, 6 inch	8010001	60.000	Syd
0380	Curb and Gutter, Conc, Det B2	8020016	800.000	Ft
0390	Driveway Opening, Conc, Det M	8020050	64.000	Ft
0400	Guardrail Approach Terminal, Type 2B	8070042	2.000	Ea
0410	Post, Mailbox	8070095	3.000	Ea
0420	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	58.000	Ft
0430	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0440	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	2.000	Ea
0450	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	2.000	Ea
0460	Pavt Mrkg, Waterborne, 4 inch, White	8110231	265.000	Ft
0470	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	2,314.000	Ft
0480	Pavt Mrkg, Waterborne, 6 inch, White	8110233	830.000	Ft
0490	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	7.000	Ea
0500	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	7.000	Ea
0510	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	200.000	Ft
0520	Plastic Drum, High Intensity, Lighted, Furn	8120260	25.000	Ea
0530	Plastic Drum, High Intensity, Lighted, Oper	8120261	25.000	Ea
0540	Sign, Type B, Temp, Prismatic, Furn	8120350	779.000	Sft
0550	Sign, Type B, Temp, Prismatic, Oper	8120351	779.000	Sft
0560	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	198.000	Sft
0570	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	198.000	Sft
0580	Traf Regulator Control	8120370	1.000	LSUM
0590	_ Cobble Spillway	8137011	8.000	Syd
0600	_ Slope Restoration, Modified	8167011	2,472.000	Syd

Schedule of Pay Items

Report v1

Letting Call: 181005 010

Letting Date: October 5, 2018

Contract ID: 17000-129343

Description: Deck patching, epoxy thin overlay, deck joint repairs, cleaning and coating structural steel on Bingham Avenue over the Power Canal in the city of Sault Ste. Marie, Chippewa County. This is a Local agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129343A	N/A	N/A	MCS 17000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$35,300.00	1500001	1.000	LSUM
0020	Barricade, Type III, High Intensity, Lighted, Furn	8120022	8.000	Ea
0030	Barricade, Type III, High Intensity, Lighted, Oper	8120023	8.000	Ea
0040	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0050	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0060	Minor Traf Devices	8120170	1.000	LSUM
0070	Plastic Drum, High Intensity, Lighted, Furn	8120260	34.000	Ea
0080	Plastic Drum, High Intensity, Lighted, Oper	8120261	34.000	Ea
0090	Sign Cover	8120310	54.000	Ea
0100	Sign, Type B, Temp, Prismatic, Furn	8120350	620.000	Sft
0110	Sign, Type B, Temp, Prismatic, Oper	8120351	620.000	Sft

Section: 2

0120	False Decking	7060060	1,000.000	Sft
0130	Reinforcement, Steel, Epoxy Coated	7060092	500.000	Lb
0140	Hand Chipping, Other Than Deck	7120007	10.000	Cft
0150	Patch, Full Depth	7120010	4.000	Cyd
0160	Patch, Forming	7120017	30.000	Sft
0170	Adhesive Anchoring of Horizontal Bar, 1/2 inch	7120030	12.000	Ea
0180	Patching Conc, C-L	7120112	15.000	Cyd
0190	_ Compression Joint Seal Replacement	7127001	63.000	Ft
0200	_ Strip Seal Gland Replacement	7127001	62.000	Ft
0210	_ Epoxy Overlay	7127011	1,600.000	Syd
0220	_ Hand Chipping, Full Depth	7127011	95.000	Syd
0230	_ Bridge Deck Hand Chipping, Full Depth	7127020	108.000	Cft
0240	_ Steel Structure, Cleaning, Partial, Type 4, Special	7157051	1.000	LSUM
0250	_ Steel Structure, Coating, Partial, Type 4, Special	7157051	1.000	LSUM

0260	Pavt Mrkg, Polyurea, 4 inch, White	8110091	450.000	Ft
0270	Pavt Mrkg, Polyurea, 4 inch, Yellow	8110092	450.000	Ft



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 011

Letting Date: October 5, 2018

Contract ID: 38000-130212

Description: 0.60 mi of hot mix asphalt crushing, shaping and resurfacing, shoulder widening and station grading on Norvell Road from Sharon Valley Road to East Michigan Avenue, Jackson County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130212A	1801004	N/A	STL 38000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$258,300.00	1500001	1.000	LSUM
0020	Tree, Rem, 19 inch to 36 inch	2020002	110.000	Ea
0030	Tree, Rem, 37 inch or Larger	2020003	9.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	10.000	Ea
0050	Pavt, Rem	2040050	110.000	Syd
0060	Subgrade Undercutting, Type II	2050041	500.000	Cyd
0070	_ Station Grading	2057002	650.000	Sta
0080	Erosion Control, Silt Fence	2080036	5,000.000	Ft
0090	Aggregate Base, 6 inch	3020016	18,750.000	Syd
0100	HMA Base Crushing and Shaping	3050002	84,000.000	Syd
0110	Salv Crushed Material, LM	3050015	750.000	Cyd
0120	Approach, CI I	3070001	150.000	Ton
0130	Shoulder, CI II, 5 inch	3070127	17,370.000	Syd
0140	Culv, CI F, CSP, 12 inch	4010675	1,400.000	Ft
0150	Dr Structure, 24 inch dia	4030200	1.000	Ea
0160	HMA, 4E1	5010050	19,095.000	Ton
0170	HMA, 5E1	5010056	8,184.000	Ton
0180	HMA Approach	5010061	375.000	Ton
0190	Driveway, Nonreinf Conc, 6 inch	8010005	110.000	Syd
0200	_ Post, Mailbox, Modified	8077050	110.000	Ea
0210	Post, Steel, 3 lb	8100371	360.000	Ft
0220	Sign, Type III, Erect, Salv	8100402	30.000	Ea
0230	Pavt Mrkg, Waterborne, 4 inch, White	8110231	65,230.000	Ft
0240	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	53,354.000	Ft
0250	Barricade, Type III, High Intensity, Lighted, Furn	8120022	16.000	Ea
0260	Barricade, Type III, High Intensity, Lighted, Oper	8120023	16.000	Ea
0270	Minor Traf Devices	8120170	1.000	LSUM

0280	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,610.000	Ft
0290	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
0300	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
0310	Sign, Type B, Temp, Prismatic, Furn	8120350	300.000	Sft
0320	Sign, Type B, Temp, Prismatic, Oper	8120351	300.000	Sft
0330	Traf Regulator Control	8120370	1.000	LSUM
0340	Slope Restoration, Type B	8160101	46,000.000	Syd
0350	Monument Box Adjust	8210005	13.000	Ea
0360	Monument Preservation	8210010	13.000	Ea



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 012

Letting Date: October 5, 2018

Contract ID: 38000-203031

Description: 20.55 mi of hot mix asphalt overlay, shoulders and pavement markings on various routes countywide, Jackson County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203031A	1800998	N/A	STL 38000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$250,100.00	1500001	1.000	LSUM
0020	Curb, Rem	2040021	423.000	Ft
0030	Shoulder, CI II	3070121	7,900.000	Ton
0040	Pavt for Butt Joints, Rem	5010008	4,310.000	Syd
0050	HMA Approach	5010061	510.000	Ton
0060	HMA, LVSP	5010703	33,347.000	Ton
0070	Curb Sloped, HMA	8050010	1,000.000	Ft
0080	Post, Mailbox	8070095	275.000	Ea
0090	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	256.000	Ft
0100	Pavt Mrkg, Waterborne, 4 inch, White	8110231	216,738.000	Ft
0110	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	216,738.000	Ft
0120	Lighted Arrow, Type B, Furn	8120130	2.000	Ea
0130	Lighted Arrow, Type B, Oper	8120131	2.000	Ea
0140	Minor Traf Devices	8120170	1.000	LSUM
0150	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	8,670.000	Ft
0160	Sign, Type B, Temp, Prismatic, Furn	8120350	288.000	Sft
0170	Sign, Type B, Temp, Prismatic, Oper	8120351	288.000	Sft
0180	Traf Regulator Control	8120370	1.000	LSUM
0190	_ Monument Box Adjust, Modified	8217050	8.000	Ea



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 013

Letting Date: October 5, 2018

Contract ID: 13000-203737

Description: 1.03 mi of hot mix asphalt crushing, shaping and resurfacing, waterproofing membrane and paved shoulder on 7 Mile Road from P Drive South to 7 1/2 Mile Road, Calhoun County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203737A	1801013	N/A	STL 13000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$43,100.00	1500001	1.000	LSUM
0020	Machine Grading	2050030	108.000	Sta
0030	Subgrade Undercutting, Type II	2050041	20.000	Cyd
0040	HMA Base Crushing and Shaping	3050002	13,600.000	Syd
0050	Shoulder, CI I, 8 inch	3070110	4,250.000	Syd
0060	_ Approach, CI II, Modified	3077031	10.000	Ton
0070	HMA Surface, Rem	5010005	300.000	Syd
0080	HMA, 4E1	5010050	4,000.000	Ton
0090	Membrane, Preformed Waterproofing	7100008	1,675.000	Sft
0100	Post, Steel, 3 lb	8100371	154.000	Ft
0110	Sign, Type III, Rem	8100403	9.000	Ea
0120	Sign, Type IIIB	8100405	90.000	Sft
0130	Sign, Type V, Rem	8100421	1.000	Ea
0140	Sign, Type VB	8100425	14.000	Sft
0150	Pavt Mrkg, Waterborne, 4 inch, White	8110231	11,000.000	Ft
0160	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	10,500.000	Ft
0170	Barricade, Type III, High Intensity, Lighted, Furn	8120022	19.000	Ea
0180	Barricade, Type III, High Intensity, Lighted, Oper	8120023	19.000	Ea
0190	Minor Traf Devices	8120170	1.000	LSUM
0200	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0210	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0220	Plastic Drum, High Intensity, Lighted, Furn	8120260	6.000	Ea
0230	Plastic Drum, High Intensity, Lighted, Oper	8120261	6.000	Ea
0240	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0250	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0260	Sign, Type B, Temp, Prismatic, Furn	8120350	506.000	Sft
0270	Sign, Type B, Temp, Prismatic, Oper	8120351	506.000	Sft

0280	Traf Regulator Control	8120370	1.000	LSUM
0290	_ Slope Restoration, Modified	8167011	7,000.000	Syd
0300	Monument Box Adjust	8210005	1.000	Ea



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 014

Letting Date: October 5, 2018

Contract ID: 69023-109863

Description: 148.87 mi of non-freeway signing upgrades, Emmet, Ogemaw, Otsego and Roscommon Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
109863A	1801088	N/A	STG 69023

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$119,000.00	1500001	1.000	LSUM
0020	Band, Sign	8100010	65.000	Ea
0030	Delineator Reflector, White	8100134	98.000	Ea
0040	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	1,612.000	Ea
0050	Fdn, Wood Support, Rem	8100280	482.000	Ea
0060	Installing MDOT Supplied Sign, Type III	8100302	197.000	Ea
0070	Post Hole Through Conc for Steel Post	8100340	23.000	Ea
0080	Post Hole Through Conc for Wood Post	8100341	1.000	Ea
0090	Delineator, Rem	8100349	1,000.000	Ea
0100	Post, Flexible, Delineator	8100360	806.000	Ea
0110	Post, Rigid, Delineator	8100361	98.000	Ea
0120	Post, Steel, 3 lb	8100371	69,406.000	Ft
0130	Post, Wood, 4 inch by 6 inch	8100380	5,510.000	Ft
0140	Post, Wood, 6 inch by 8 inch	8100382	2,128.000	Ft
0150	Sign, Type II, Erect, Salv	8100396	11.000	Ea
0160	Sign, Type II, Rem	8100397	832.000	Ea
0170	Sign, Type IIA	8100398	4,321.000	Sft
0180	Sign, Type IIB	8100399	538.000	Sft
0190	Sign, Type III, Erect, Salv	8100402	188.000	Ea
0200	Sign, Type III, Rem	8100403	3,498.000	Ea
0210	Sign, Type IIIA	8100404	4,061.000	Sft
0220	Sign, Type IIIB	8100405	8,194.000	Sft
0230	Sign, Type VA	8100424	159.000	Sft
0240	Sign, Type VB	8100425	8,438.000	Sft
0250	Reflective Panel for Permanent Sign Support, 3 foot	8100613	190.000	Ea
0260	Reflective Panel for Permanent Sign Support, 6 foot	8100616	1,796.000	Ea
0270	_ Post Hole Through Rock for Steel Post	8107050	2.000	Ea
0280	_ Post Hole Through Rock for Wood Post	8107050	2.000	Ea

0290	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	175.000	Ea
0300	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	175.000	Ea
0310	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0320	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0330	Minor Traf Devices	8120170	1.000	LSUM
0340	Plastic Drum, High Intensity, Furn	8120250	10.000	Ea
0350	Plastic Drum, High Intensity, Oper	8120251	10.000	Ea
0360	Sign Cover	8120310	6.000	Ea
0370	Sign, Type B, Temp, Prismatic, Furn	8120350	1,072.000	Sft
0380	Sign, Type B, Temp, Prismatic, Oper	8120351	1,072.000	Sft
0390	Traf Regulator Control	8120370	1.000	LSUM
0400	Contractor Staking, Road Only	8240007	1.000	LSUM
0410	Staking Plan Errors and Extras, One Person	8240020	10.000	Hr
0420	Staking Plan Errors and Extras, Two Person	8240021	4.000	Hr
0430	Staking Plan Errors and Extras, Three Person	8240022	6.000	Hr



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 015

Letting Date: October 5, 2018

Contract ID: 70063-132546

Description: 0.53 mi of replacement of 2 cantilevers, signs and guardrails on I-96 just west of the M-11 exit in the city of Marne, Ottawa County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132546A	1801097	N/A	IMG 70063

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$16,200.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	125.000	Ft
0030	Guardrail, Type T	8070002	200.000	Ft
0040	Guardrail, Type MGS-8	8070004	138.000	Ft
0050	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0060	Guardrail Departing Terminal, Type MGS	8070052	1.000	Ea
0070	Guardrail Reflector	8070080	10.000	Ea
0080	Cantilever, Rem	8100090	2.000	Ea
0090	Cantilever, Type E	8100104	2.000	Ea
0100	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	56.000	Ft
0110	Fdn, Cantilever, Rem	8100190	2.000	Ea
0120	Sign, Type I, Rem	8100391	2.000	Ea
0130	Sign, Type IA	8100392	320.000	Sft
0140	Sign, Type IB	8100393	90.000	Sft
0150	Transporting Salv MDOT Materials	8100420	1.000	LSUM
0160	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0170	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0180	Minor Traf Devices	8120170	1.000	LSUM
0190	Plastic Drum, Fluorescent, Furn	8120252	120.000	Ea
0200	Plastic Drum, Fluorescent, Oper	8120253	120.000	Ea
0210	Sign Cover	8120310	2.000	Ea
0220	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0230	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0240	Sign, Type B, Temp, Prismatic, Furn	8120350	120.000	Sft
0250	Sign, Type B, Temp, Prismatic, Oper	8120351	120.000	Sft

0260	Slope Restoration, Type A	8160100	140.000	Syd
0270	Contractor Staking	8240001	1.000	LSUM
0280	Staking Plan Errors and Extras, One Person	8240020	2.000	Hr
0290	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0300	Staking Plan Errors and Extras, Three Person	8240022	1.000	Hr



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 016

Letting Date: October 5, 2018

Contract ID: 53000-133069

Description: Bridge removal and replacement with 54-inch prestressed concrete beams, concrete curb, gutter, culverts, drainage, guardrail, cofferdams, steel piling, and approach work on Hawley Road over south branch of the Pere Marquette River, Mason County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
133069A	1801049	N/A	BO 53000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$100,900.00	1500001	1.000	LSUM
0020	_ Clearing, Modified	2017002	9.000	Sta
0030	Tree, Rem, 19 inch to 36 inch	2020002	3.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	17.000	Ea
0050	Guardrail, Rem	2040035	394.000	Ft
0060	Embankment, CIP	2050010	950.000	Cyd
0070	Excavation, Earth	2050016	3,000.000	Cyd
0080	Subgrade Undercutting, Type II	2050041	50.000	Cyd
0090	Erosion Control, Silt Fence	2080036	1,574.000	Ft
0100	Subbase, CIP	3010002	1,200.000	Cyd
0110	Aggregate Base	3020001	470.000	Ton
0120	Aggregate Base, 8 inch	3020020	2,700.000	Syd
0130	Shoulder, CI II, 3 inch	3070125	35.000	Syd
0140	Culv, CI F, 12 inch	4010607	122.000	Ft
0150	Underdrain, Subbase, 6 inch	4040063	650.000	Ft
0160	Underdrain Outlet, 6 inch	4040093	30.000	Ft
0170	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
0180	HMA Surface, Rem	5010005	2,346.000	Syd
0190	HMA, LVSP	5010703	357.000	Ton
0200	Conc, Grade S2	7060011	5.000	Cyd
0210	Reinforcement, Steel, Culv and Headwall	7060091	240.000	Lb
0220	Curb and Gutter, Bridge Approach	8020010	74.000	Ft
0230	Curb and Gutter, Conc, Det C2	8020021	531.000	Ft
0240	Curb and Gutter, Conc, Det D2	8020031	879.000	Ft
0250	Downspout Header, Conc	8020070	6.000	Ea
0260	Guardrail, Type B	8070000	100.000	Ft
0270	Guardrail, Curved, Type T	8070011	188.000	Ft

0280	Guardrail Anch, Bridge, Det T2	8070023	4.000	Ea
0290	Guardrail Approach Terminal, Type 2B	8070042	4.000	Ea
0300	Guardrail Reflector	8070080	42.000	Ea
0310	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,754.000	Ft
0320	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,754.000	Ft
0330	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0340	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0350	Minor Traf Devices	8120170	1.000	LSUM
0360	Sign, Type B, Temp, Prismatic, Furn	8120350	376.000	Sft
0370	Sign, Type B, Temp, Prismatic, Oper	8120351	376.000	Sft
0380	Ditch, Plain Cobble	8140005	80.000	Syd
0390	_ Slope Restoration, Modified	8167011	1,600.000	Syd

Section: 2

0400	Structures, Rem	2040060	1.000	LSUM
0410	Backfill, Structure, CIP	2060002	1,100.000	Cyd
0420	Excavation, Fdn	2060010	2,550.000	Cyd
0430	Erosion Control, Filter Bag	2080014	2.000	Ea
0440	_ Turbidity Curtain, Modified	2087001	150.000	Ft
0450	Underdrain, Fdn, 4 inch	4040031	37.000	Ft
0460	Underdrain Outlet, 4 inch	4040091	16.000	Ft
0470	Underdrain, Outlet Ending, 4 inch	4040111	2.000	Ea
0480	Cofferdams	7040007	1.000	LSUM
0490	Pile Driving Equipment, Furn	7050002	1.000	LSUM
0500	Pile, Steel, Furn and Driven, 12 inch	7050030	3,100.000	Ft
0510	Test Pile, Steel, 12 inch	7050031	2.000	Ea
0520	Pile, Steel, Splice	7050050	55.000	Ea
0530	Bridge Ltg, Furn and Rem	7060001	1.000	LSUM
0540	Bridge Ltg, Oper and Maintain	7060002	109.000	Cyd
0550	Conc, Grade T	7060013	95.000	Cyd
0560	Conc, Low Temperature Protection	7060020	437.000	Cyd
0570	Expansion Joint Device	7060050	25.000	Ft
0580	False Decking	7060060	1,078.000	Sft
0590	Reinforcement, Steel, Epoxy Coated	7060092	49,688.000	Lb
0600	Substructure Conc	7060100	292.000	Cyd
0610	Superstructure Conc	7060110	36.000	Cyd
0620	Superstructure Conc, Form, Finish, and Cure	7060111	1.000	LSUM
0630	Superstructure Conc, Form, Finish, and Cure, Night Casting	7060112	1.000	LSUM
0640	Superstructure Conc, Night Casting	7060113	109.000	Cyd
0650	_ Structure Name Plate	7067050	1.000	Ea
0660	Bearing, Elastomeric, 1 1/2 inch	7070014	920.000	Sin
0670	Bearing, Elastomeric, 2 inch	7070016	920.000	Sin
0680	Prest Conc I Beam, Furn, 54 inch	7080033	443.000	Ft

0690	Prest Conc I Beam, Erect, 54 inch	7080034	443.000	Ft
0700	Joint Waterproofing	7100001	85.000	Sft
0710	Joint Waterproofing, Expansion	7100003	236.000	Sft
0720	_ Silane Treatment	7107010	2,300.000	Sft
0730	Bridge Railing, 2 Tube	7110008	158.000	Ft
0740	Riprap, Heavy	8130005	710.000	Syd



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 017

Letting Date: October 5, 2018

Contract ID: 47000-201083

Description: 5.97 mi of aggregate shared-use path, culvert improvements, signing and pavement markings on Michigan Airline Trail from the west Unadilla Township line to the east Unadilla Township line, Livingston County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201083A	1801044	N/A	TA 47000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$96,800.00	1500001	1.000	LSUM
0020	Culv, Rem, 24 inch to 48 inch	2030002	1.000	Ea
0030	Fence, Rem	2040025	160.000	Ft
0040	Embankment, CIP	2050010	24.000	Cyd
0050	_ Subgrade Undercutting, Special	2057021	500.000	Cyd
0060	Erosion Control, Check Dam, Stone	2080012	100.000	Ft
0070	Erosion Control, Silt Fence	2080036	62,515.000	Ft
0080	Project Cleanup	2090001	1.000	LSUM
0090	_ Audio Video DVD, Special	2097051	1.000	LSUM
0100	_ Natural Aggregate, Special	3027021	8.000	Cyd
0110	_ Maintenance Gravel, Special	3067031	100.000	Ton
0120	Geotextile, Separator	3080005	240.000	Syd
0130	Culv, CI A, Conc, 36 inch	4010170	41.000	Ft
0140	Culv, CI A, CSP, 42 inch	4010205	81.000	Ft
0150	Hand Patching	5010025	4.000	Ton
0160	Detectable Warning Surface	8030010	108.000	Ft
0170	Sidewalk Ramp, Conc, 6 inch	8030036	1,200.000	Sft
0180	Shared use Path, Conc	8060020	132.000	Syd
0190	Shared use Path, HMA	8060040	6.000	Ton
0200	_ Shared use Path, Grading, Special	8067001	31,333.000	Ft
0210	_ Shared use Path, Base Aggregate, Modified	8067031	7,740.000	Ton
0220	_ Shared use Path, Surface Aggregate, Modified	8067031	3,881.000	Ton
0230	_ Path Railing	8077001	1,130.000	Ft
0240	_ Bench	8087050	6.000	Ea
0250	_ Dog Waste Station	8087050	1.000	Ea
0260	_ Trash and Recycling Receptacle	8087050	1.000	Ea
0270	Post, Steel, 3 lb	8100371	492.000	Ft

0280	Sign, Type III, Rem	8100403	1.000	Ea
0290	Sign, Type IIIA	8100404	182.000	Sft
0300	Sign, Type IIIB	8100405	6.000	Sft
0310	_ Sign, Special	8107052	14.000	Sft
0320	Pavt Mrkg, Polyurea, 12 inch, White	8110111	160.000	Ft
0330	Barricade, Type III, High Intensity, Lighted, Furn	8120022	12.000	Ea
0340	Barricade, Type III, High Intensity, Lighted, Oper	8120023	12.000	Ea
0350	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0360	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0370	Minor Traf Devices	8120170	1.000	LSUM
0380	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	30.000	Ft
0390	Plastic Drum, High Intensity, Furn	8120250	100.000	Ea
0400	Plastic Drum, High Intensity, Oper	8120251	100.000	Ea
0410	Sign, Type B, Temp, Prismatic, Furn	8120350	200.000	Sft
0420	Sign, Type B, Temp, Prismatic, Oper	8120351	200.000	Sft
0430	Traf Regulator Control	8120370	1.000	LSUM
0440	Riprap, Plain	8130010	8.000	Syd
0450	_ Step Pool, Grade Control Structure	8137001	137.000	Ft
0460	_ Riprap, Fieldstone	8137031	6.000	Ton
0470	_ Turf Establishment, Performance	8167011	24,026.000	Syd



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 018

Letting Date: October 5, 2018

Contract ID: 03000-130730

Description: 5.01 mi of hot mix asphalt cold milling and resurfacing, gravel shoulders, guardrail and pavement markings on 64th Street from 142nd Avenue to 138th Avenue, Allegan County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130730A	1801001	N/A	STUL 03000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$45,000.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	300.000	Ft
0030	Project Cleanup	2090001	1.000	LSUM
0040	Shoulder, CI II, CIP	3070122	250.000	Cyd
0050	Cold Milling HMA Surface	5010002	47,000.000	Syd
0060	HMA, 4E1	5010050	5,400.000	Ton
0070	Guardrail, Curved, Type B	8070010	75.000	Ft
0080	Guardrail Approach Terminal, Type 2B	8070042	9.000	Ea
0090	Guardrail Departing Terminal, Type B	8070050	3.000	Ea
0100	Pavt Mrkg, Waterborne, 4 inch, White	8110231	23,200.000	Ft
0110	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	14,000.000	Ft
0120	Lighted Arrow, Type B, Furn	8120130	2.000	Ea
0130	Lighted Arrow, Type B, Oper	8120131	2.000	Ea
0140	Minor Traf Devices	8120170	1.000	LSUM
0150	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,200.000	Ft
0160	Sign, Type B, Temp, Prismatic, Furn	8120350	600.000	Sft
0170	Sign, Type B, Temp, Prismatic, Oper	8120351	600.000	Sft
0180	Traf Regulator Control	8120370	1.000	LSUM
0190	_ Monument Box Adjust, Modified	8217050	5.000	Ea



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 019

Letting Date: October 5, 2018

Contract ID: 14041-127757

Description: 0.48 mi of concrete shared-use path, curb, gutter, sidewalk and ramps, hot mix asphalt approach, trail guardrail and signing on US-12 from Claire Street to Edwardsburg Sports Complex, Cass County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
127757A	1801003	N/A	CM 14041

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$20,000	1500001	1.000	LSUM
0020	Sidewalk, Rem	2040055	17.000	Syd
0030	Excavation, Earth	2050016	1,000.000	Cyd
0040	Non Haz Contaminated Material Handling and Disposal, LM	2050031	5.000	Cyd
0050	Subgrade Undercutting, Type II	2050041	50.000	Cyd
0060	Erosion Control, Silt Fence	2080036	2,385.000	Ft
0070	Subbase, CIP	3010002	260.000	Cyd
0080	Aggregate Base, 6 inch	3020016	650.000	Syd
0090	Approach, CI II	3070021	40.000	Ton
0100	Culv End Sect, Metal, 15 inch	4010095	1.000	Ea
0110	Culv, CI A, CSP, 15 inch	4010200	5.000	Ft
0120	HMA Surface, Rem	5010005	50.000	Syd
0130	Hand Patching	5010025	5.000	Ton
0140	HMA Approach	5010061	60.000	Ton
0150	Driveway, Reinf Conc, 7 inch	8010002	531.000	Syd
0160	Curb and Gutter, Conc, Det C4	8020023	365.000	Ft
0170	Detectable Warning Surface	8030010	50.000	Ft
0180	Curb Ramp Opening, Conc	8030030	220.000	Ft
0190	Sidewalk Ramp, Conc, 6 inch	8030036	130.000	Sft
0200	Sidewalk, Conc, 4 inch	8030044	200.000	Sft
0210	Shared use Path, Conc	8060020	2,385.000	Syd
0220	Shared use Path, Grading	8060030	2,563.000	Ft
0230	_ Trail Guardrail	8087001	1,340.000	Ft
0240	Post, Steel, 3 lb	8100371	90.000	Ft
0250	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0260	Sign, Type IIIA	8100404	3.000	Sft
0270	Sign, Type IIIB	8100405	33.000	Sft

0280	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	305.000	Ft
0290	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	8110044	5.000	Ft
0300	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	15.000	Ft
0310	Dust Palliative, Applied	8120100	5.000	Ton
0320	Minor Traf Devices	8120170	1.000	LSUM
0330	Plastic Drum, High Intensity, Furn	8120250	100.000	Ea
0340	Plastic Drum, High Intensity, Oper	8120251	100.000	Ea
0350	Sign, Type B, Temp, Prismatic, Furn	8120350	250.000	Sft
0360	Sign, Type B, Temp, Prismatic, Oper	8120351	250.000	Sft
0370	Traf Regulator Control	8120370	1.000	LSUM
0380	Fertilizer, Chemical Nutrient, CI A	8160020	310.000	Lb
0390	Mulch	8160025	6,170.000	Syd
0400	Mulch Anchoring	8160026	6,170.000	Syd
0410	Mulch Blanket	8160027	500.000	Syd
0420	Seeding, Mixture TUF	8160042	290.000	Lb
0430	Topsoil Surface, Salv, 3 inch	8160076	6,170.000	Syd
0440	Hydrant, Relocate, Case 2	8230096	1.000	Ea
0450	Contractor Staking	8240001	1.000	LSUM
0460	Staking Plan Errors and Extras, One Person	8240020	4.000	Hr
0470	Staking Plan Errors and Extras, Two Person	8240021	4.000	Hr
0480	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 020

Letting Date: October 5, 2018

Contract ID: 63171-111775

Description: Rehabilitation of pump station including the removal and replacement of all mechanical and electrical components and miscellaneous structure upgrades and repairs on M-39 at Cornell Road in the city of Southfield, Oakland County. Please see the Unique Special Provision for Determination of Lowest Successful Bidder for more information.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
111775A	1801106	N/A	ST 63171

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$104,500.00	1500001	1.000	LSUM
Section: 2				
0020	Curb and Gutter, Rem	2040020	10.000	Ft
0030	Fence, Rem	2040025	70.000	Ft
0040	Sidewalk, Rem	2040055	10.000	Syd
0050	_ Miscellaneous Metals, Rem	2047051	1.000	LSUM
0060	_ Steel Trash Rack Replacement	2047051	1.000	LSUM
0070	_ Structures, Rem Portions, Modified	2047051	1.000	LSUM
0080	Backfill, Structure, CIP	2060002	210.000	Cyd
0090	Excavation, Fdn	2060010	260.000	Cyd
0100	Erosion Control, Gravel Access Approach	2080016	1.000	Ea
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	2.000	Ea
0120	Erosion Control, Silt Fence	2080036	120.000	Ft
0130	Aggregate Base, 6 inch	3020016	98.000	Syd
0140	Sewer Tap, 30 inch	4021208	1.000	Ea
0150	Dr Structure Cover, Type B	4030010	1.000	Ea
0160	Dr Structure, 60 inch dia	4030220	1.000	Ea
0170	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	7.000	Ft
0180	Underdrain, Fdn, 4 inch	4040031	32.000	Ft
0190	_ Submersible Mixed Flow/Propeller Pump	4057050	3.000	Ea
0200	_ Bypass Pumping	4057051	1.000	LSUM
0210	_ Corrosion Resistant Coating, Wet Well (D01 of 63171)	4057051	1.000	LSUM
0220	_ Pump Station Equipment, Electrical, Modified	4057051	1.000	LSUM
0230	_ Pump Station Equipment, Mechanical, Modified	4057051	1.000	LSUM
0240	_ Pump Station Special Coatings	4057051	1.000	LSUM

0250	HMA Surface, Rem	5010005	98.000	Syd
0260	Conc Pavt, Misc, Nonreinf, 6 inch	6020050	98.000	Syd
0270	Conc, Grade D	7060010	56.000	Cyd
0280	Reinforcement, Steel	7060090	8,920.000	Lb
0290	_ Crack Sealing, Wet Well	7067001	30.000	Ft
0300	_ Spall Repairing, Wet Well	7067010	20.000	Sft
0310	Structural Steel, Mixed, Erect	7070050	5,300.000	Lb
0320	Structural Steel, Mixed, Furn and Fab	7070051	5,300.000	Lb
0330	Joint Waterproofing	7100001	43.000	Sft
0340	Conc Surface Coating .	7100010	1.000	LSUM
0350	Hand Chipping, Other Than Deck	7120007	20.000	Cft
0360	Patching Mortar or Conc	7120016	20.000	Cft
0370	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	19.000	Ea
0380	Adhesive Anchoring of Horizontal Bar, 1/2 inch	7120030	70.000	Ea
0390	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	30.000	Ea
0400	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	181.000	Ea
0410	_ Pump Station Metal Work, Misc, Modified	8007051	1.000	LSUM
0420	Curb and Gutter, Conc, Det F4	8020038	10.000	Ft
0430	Fence, Chain Link, 48 inch	8080011	54.000	Ft
0440	Fence Gate, 16 foot, for 48 inch Chain Link Fence	8080061	1.000	Ea
0450	Pavt Mrkg, Ovly Cold Plastic, 4 inch, White	8110022	110.000	Ft
0460	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	1.000	Ea
0470	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
0480	Rem Spec Mrkg	8110343	72.000	Sft
0490	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0500	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
0510	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea
0520	Pedestrian Type II Channelizer, Temp	8120027	100.000	Ft
0530	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0540	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0550	Minor Traf Devices	8120170	1.000	LSUM
0560	Plastic Drum, Fluorescent, Furn	8120252	45.000	Ea
0570	Plastic Drum, Fluorescent, Oper	8120253	45.000	Ea
0580	Sign Cover	8120310	2.000	Ea
0590	Sign, Type B, Temp, Prismatic, Furn	8120350	632.000	Sft
0600	Sign, Type B, Temp, Prismatic, Oper	8120351	632.000	Sft
0610	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	36.000	Sft
0620	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	36.000	Sft
0630	Traf Regulator Control	8120370	1.000	LSUM
0640	Slope Paving, Conc	8130020	12.000	Syd
0650	Slope Restoration, Type C	8160102	265.000	Syd
0660	Conduit, Schedule 40, 4 inch	8190151	450.000	Ft
0670	DB Cable, in Conduit, 600V, 1/C#4/0	8190209	560.000	Ft

0680	Conduit, Directional Bore, 2, 4 inch	8190605	35.000	Ft
0690	_ Manual Transfer Switch (D01 of 63171)	8197050	1.000	Ea
0700	_ Electrical, Rem	8197051	1.000	LSUM
0710	Contractor Staking, Road Only	8240007	1.000	LSUM
0720	Staking Plan Errors and Extras, One Person	8240020	10.000	Hr
0730	Staking Plan Errors and Extras, Two Person	8240021	5.000	Hr
0740	Staking Plan Errors and Extras, Three Person	8240022	5.000	Hr
0750	_ Temporary Power System	8507041	5.000	Cday
0760	_ Utility, Electric	8507060	7,000.000	Dlr

Section: 3

0770	Curb and Gutter, Rem	2040020	10.000	Ft
0780	Fence, Rem	2040025	70.000	Ft
0790	Sidewalk, Rem	2040055	10.000	Syd
0800	_ Miscellaneous Metals, Rem	2047051	1.000	LSUM
0810	_ Steel Trash Rack Replacement	2047051	1.000	LSUM
0820	_ Structures, Rem Portions, Modified	2047051	1.000	LSUM
0830	Backfill, Structure, CIP	2060002	210.000	Cyd
0840	Excavation, Fdn	2060010	260.000	Cyd
0850	Erosion Control, Gravel Access Approach	2080016	1.000	Ea
0860	Erosion Control, Inlet Protection, Fabric Drop	2080020	2.000	Ea
0870	Erosion Control, Silt Fence	2080036	120.000	Ft
0880	Aggregate Base, 6 inch	3020016	98.000	Syd
0890	Sewer Tap, 30 inch	4021208	1.000	Ea
0900	Dr Structure Cover, Type B	4030010	1.000	Ea
0910	Dr Structure, 60 inch dia	4030220	1.000	Ea
0920	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	7.000	Ft
0930	Underdrain, Fdn, 4 inch	4040031	32.000	Ft
0940	_ Submersible Mixed Flow/Propeller Pump	4057050	3.000	Ea
0950	_ Bypass Pumping	4057051	1.000	LSUM
0960	_ Corrosion Resistant Coating, Wet Well (D01 of 63171)	4057051	1.000	LSUM
0970	_ Pump Station Equipment, Electrical, Modified	4057051	1.000	LSUM
0980	_ Pump Station Equipment, Mechanical, Modified	4057051	1.000	LSUM
0990	_ Pump Station Special Coatings	4057051	1.000	LSUM
1000	HMA Surface, Rem	5010005	98.000	Syd
1010	Conc Pavt, Misc, Nonreinf, 6 inch	6020050	98.000	Syd
1020	Conc, Grade D	7060010	56.000	Cyd
1030	Reinforcement, Steel	7060090	8,920.000	Lb
1040	_ Crack Sealing, Wet Well	7067001	30.000	Ft
1050	_ Spall Repairing, Wet Well	7067010	20.000	Sft
1060	Structural Steel, Mixed, Erect	7070050	5,300.000	Lb
1070	Structural Steel, Mixed, Furn and Fab	7070051	5,300.000	Lb
1080	Joint Waterproofing	7100001	43.000	Sft

1090	Conc Surface Coating .	7100010	1.000	LSUM
1100	Hand Chipping, Other Than Deck	7120007	20.000	Cft
1110	Patching Mortar or Conc	7120016	20.000	Cft
1120	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	19.000	Ea
1130	Adhesive Anchoring of Horizontal Bar, 1/2 inch	7120030	70.000	Ea
1140	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	30.000	Ea
1150	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	181.000	Ea
1160	_ Pump Station Metal Work, Misc, Modified	8007051	1.000	LSUM
1170	Curb and Gutter, Conc, Det F4	8020038	10.000	Ft
1180	Fence, Chain Link, 48 inch	8080011	54.000	Ft
1190	Fence Gate, 16 foot, for 48 inch Chain Link Fence	8080061	1.000	Ea
1200	Pavt Mrkg, Ovly Cold Plastic, 4 inch, White	8110022	110.000	Ft
1210	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	1.000	Ea
1220	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
1230	Rem Spec Mrkg	8110343	72.000	Sft
1240	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
1250	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
1260	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea
1270	Pedestrian Type II Channelizer, Temp	8120027	100.000	Ft
1280	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
1290	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
1300	Minor Traf Devices	8120170	1.000	LSUM
1310	Plastic Drum, Fluorescent, Furn	8120252	45.000	Ea
1320	Plastic Drum, Fluorescent, Oper	8120253	45.000	Ea
1330	Sign Cover	8120310	2.000	Ea
1340	Sign, Type B, Temp, Prismatic, Furn	8120350	632.000	Sft
1350	Sign, Type B, Temp, Prismatic, Oper	8120351	632.000	Sft
1360	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	36.000	Sft
1370	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	36.000	Sft
1380	Traf Regulator Control	8120370	1.000	LSUM
1390	Slope Paving, Conc	8130020	12.000	Syd
1400	Slope Restoration, Type C	8160102	265.000	Syd
1410	Conduit, Schedule 40, 4 inch	8190151	450.000	Ft
1420	DB Cable, in Conduit, 600V, 1/C#4/0	8190209	560.000	Ft
1430	Conduit, Directional Bore, 2, 4 inch	8190605	35.000	Ft
1440	_ Manual Transfer Switch (D01 of 63171)	8197050	1.000	Ea
1450	_ Electrical, Rem	8197051	1.000	LSUM
1460	Contractor Staking, Road Only	8240007	1.000	LSUM
1470	Staking Plan Errors and Extras, One Person	8240020	10.000	Hr
1480	Staking Plan Errors and Extras, Two Person	8240021	5.000	Hr
1490	Staking Plan Errors and Extras, Three Person	8240022	5.000	Hr
1500	_ Temporary Power System	8507041	5.000	Cday
1510	_ Utility, Electric	8507060	7,000.000	Dlr



9/13/2018 11:08 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 021

Letting Date: October 5, 2018

Contract ID: 70014-203303

Description: Electrical rehabilitation of Grand Haven Bascule Bridge on US-31 over Grand River in the village of Spring Lake, cities of Grand Haven, Ferrysburg, Ottawa County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203303A	N/A	N/A	M 70014

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Dispute Review Board, Hearing	1040010	7,500.000	Dlr
0020	Dispute Review Board, Hearing, Additional Day	1040020	1,500.000	Dlr
0030	Dispute Review Board, Appeal Hearing	1040030	3,750.000	Dlr
0040	Dispute Review Board, Appeal Hearing, Additional Day	1040040	1,500.000	Dlr
0050	Dispute Review Board, Progress Meeting	1040050	7,000.000	Dlr
0060	Mobilization, Max	1500001	1.000	LSUM
0070	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0080	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0090	Minor Traf Devices	8120170	1.000	LSUM
0100	Plastic Drum, Fluorescent, Furn	8120252	27.000	Ea
0110	Plastic Drum, Fluorescent, Oper	8120253	27.000	Ea
0120	Sign Cover	8120310	4.000	Ea
0130	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0140	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0150	Sign, Type B, Temp, Prismatic, Furn	8120350	264.000	Sft
0160	Sign, Type B, Temp, Prismatic, Oper	8120351	264.000	Sft

Section: 2

0170	_ Maintaining Navigation (B01 of 70014)	1077051	1.000	LSUM
0180	_ Electrical Rehabilitation (B01 of 70014)	8007051	1.000	LSUM
0190	_ Mechanical Rehabilitation (B01 of 70041)	8007051	1.000	LSUM
0200	_ Traffic Gates and Fully Seated Limit Switch Bypasses (B01 of 70014)	8007051	1.000	LSUM



9/13/2018 11:08 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 022

Letting Date: October 5, 2018

Contract ID: 66042-202664

Description: 0.09 mi of cured-in-place culvert lining of two culverts and drainage improvements on M-38 east and west of the intersection at Calumet Road, Ontonagon County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202664A	1801064	N/A	ST 66042

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$48,600.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.140	Acre
0030	Culv, Rem, Over 48 inch	2030003	1.000	Ea
0040	Culv, End, Rem, Over 48 inch	2030007	4.000	Ea
0050	Ditch Cleanout	2050006	2.000	Sta
0060	Excavation, Channel	2050015	760.000	Cyd
0070	Erosion Control, Check Dam, Stone	2080012	40.000	Ft
0080	Erosion Control, Sediment Trap	2080034	2.000	Ea
0090	Erosion Control, Silt Fence	2080036	340.000	Ft
0100	Culv End Sect, Metal, 54 inch	4010103	4.000	Ea
0110	_ Culvert Cleanout	4017001	592.000	Ft
0120	_ Cured-In-Place Pipe Lining, 54 inch	4017001	394.000	Ft
0130	_ Cured-In-Place Pipe Lining, 65 by 40 inch	4017001	128.000	Ft
0140	Video Taping Sewer and Culv Pipe	4021275	592.000	Ft
0150	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0160	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0170	Minor Traf Devices	8120170	1.000	LSUM
0180	Plastic Drum, Fluorescent, Furn	8120252	80.000	Ea
0190	Plastic Drum, Fluorescent, Oper	8120253	80.000	Ea
0200	Sign Cover	8120310	6.000	Ea
0210	Sign, Type B, Temp, Prismatic, Furn	8120350	1,510.000	Sft
0220	Sign, Type B, Temp, Prismatic, Oper	8120351	1,510.000	Sft
0230	Traf Regulator Control	8120370	1.000	LSUM
0240	Riprap, Plain	8130010	240.000	Syd
0250	Slope Restoration, Type A	8160100	1,540.000	Syd
0260	Slope Restoration, Type B	8160101	720.000	Syd
0270	Contractor Staking, Road Only	8240007	1.000	LSUM
0280	Staking Plan Errors and Extras, One Person	8240020	4.000	Hr

0290	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0300	Staking Plan Errors and Extras, Three Person	8240022	3.000	Hr

Schedule of Pay Items

Report v1

Letting Call: 181005 023

Letting Date: October 5, 2018

Contract ID: 22051-131808

Description: 0.94 mi of overband crack fill, double chip seal, joint repairs, aggregate shoulders and pavement markings on US-8 from north of the Michigan/Wisconsin state line northerly to south of Fairview Drive, Dickinson County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131808A	1801119	N/A	ST 22051

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$21,800.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	120.000	Ton
0030	Overband Crack Fill, Lane	5020003	1.880	Lnmi
0040	_ Asphalt Repair Mastic	5027001	4,818.000	Ft
0050	Chip Seal, Double, Warranty	5050020	9,454.000	Syd
0060	Joint, Contraction, Cp	6020200	142.000	Ft
0070	Conc Quality Initiative \$1,610.00	6020401	1,610.000	Dlr
0080	Joint, Contraction, Crg	6030020	192.000	Ft
0090	Joint, Expansion, Erg	6030021	48.000	Ft
0100	Lane Tie, Epoxy Anchored	6030030	12.000	Ea
0110	Pavt Repr, Nonreinf Conc, 10 inch	6030048	112.000	Syd
0120	Pavt Repr, Rem	6030080	112.000	Syd
0130	Saw Cut, Intermediate	6030090	60.000	Ft
0140	Resealing Trans Joints with Hot-Poured Rubber	6030100	2,328.000	Ft
0150	Resealing Longit Joints with Hot-Poured Rubber	6030101	860.000	Ft
0160	_ Joint, Tied, Special	6037001	753.000	Ft
0170	_ Pavt Repr, Nonreinf, 10 inch, Special	6037011	210.000	Syd
0180	_ Pavt Repr, Rem, Special	6037011	210.000	Syd
0190	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,612.000	Ft
0200	Pavt Mrkg, Waterborne, 6 inch, White	8110233	9,894.000	Ft
0210	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,612.000	Ft
0220	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	9,894.000	Ft
0230	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	837.000	Ft
0240	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	168.000	Ft
0250	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	12.000	Ea
0260	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	12.000	Ea

0270	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0280	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0290	Minor Traf Devices	8120170	1.000	LSUM
0300	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	892.000	Ft
0310	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,424.000	Ft
0320	Plastic Drum, Fluorescent, Furn	8120252	120.000	Ea
0330	Plastic Drum, Fluorescent, Oper	8120253	120.000	Ea
0340	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	48.000	Ft
0350	PTS System, Temp, Furn	8120270	1.000	Ea
0360	PTS System, Temp, Oper	8120271	1.000	Ea
0370	Sign, Type B, Temp, Prismatic, Furn	8120350	419.000	Sft
0380	Sign, Type B, Temp, Prismatic, Oper	8120351	419.000	Sft
0390	Traf Regulator Control	8120370	1.000	LSUM



9/13/2018 11:08 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 024

Letting Date: October 5, 2018

Contract ID: 61012-128124

Description: 16.40 mi of hot mix asphalt cold milling and resurfacing on M-120 from Getty Street east to M-82, Newaygo County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
128124A	1801104	N/A	NH 61012
203123A	1801128	N/A	ST 61012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$433,500.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	111.000	Ft
0030	Sidewalk, Rem	2040055	23.000	Syd
0040	Excavation, Earth	2050016	525.000	Cyd
0050	_ Embankment, CIP, Special	2057021	70.000	Cyd
0060	Erosion Control, Silt Fence	2080036	450.000	Ft
0070	Subbase, CIP	3010002	360.000	Cyd
0080	Aggregate Base, 6 inch	3020016	56.000	Syd
0090	_ Shoulder, CI II, Modified	3077031	2,350.000	Ton
0100	Cold Milling HMA Surface	5010002	375,930.000	Syd
0110	HMA Surface, Rem	5010005	286.000	Syd
0120	HMA Quality Initiative	5010007	77,540.000	Dlr
0130	Longitudinal Joint Density Quality Initiative	5010018	118,000.000	Dlr
0140	Hand Patching	5010025	6.000	Ton
0150	HMA, 5E3	5010057	32,160.000	Ton
0160	HMA Approach	5010061	55.000	Ton
0170	HMA, 5E3, High Stress	5010515	6,180.000	Ton
0180	HMA Approach, High Stress	5010520	375.000	Ton
0190	Cement	6030005	5.000	Ton
0200	Joint, Tied, Trg	6030023	1,000.000	Ft
0210	Non-Chloride Accelerator	6030035	45.000	Gal
0220	Pavt Repr, Nonreinf Conc, 12 inch	6030052	320.000	Syd
0230	Pavt Repr, Rem	6030080	320.000	Syd
0240	Saw Cut, Intermediate	6030090	60.000	Ft
0250	Curb and Gutter, Conc, Det B2	8020016	51.000	Ft
0260	Curb Ramp Opening, Conc	8030030	40.000	Ft
0270	Sidewalk Ramp, Conc, 6 inch	8030036	378.000	Sft

0280	Sidewalk, Conc, 6 inch	8030046	531.000	Sft
0290	_ Detectable Warning Surface, Cast Iron	8037001	60.000	Ft
0300	Curb Sloped, HMA	8050010	425.000	Ft
0310	Guardrail, Salv	8070075	425.000	Ft
0320	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	12.000	Ea
0330	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	2.000	Ea
0340	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	7.000	Ea
0350	Pavt Mrkg, Ovly Cold Plastic, School	8110074	2.000	Ea
0360	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	2.000	Ea
0370	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	448.000	Ft
0380	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, Yellow	8110109	478.000	Ft
0390	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	98.000	Ft
0400	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	364.000	Ft
0410	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	4,972.000	Ft
0420	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	88,356.000	Ft
0430	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	184,743.000	Ft
0440	Pavt Mrkg, Sprayable Thermopl, 12 inch, White	8110159	340.000	Ft
0450	Pavt Mrkg, Waterborne, 4 inch, White	8110231	126,442.000	Ft
0460	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0470	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	1,302.000	Ea
0480	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	1,302.000	Ea
0490	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0500	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0510	Ltg for Night Work	8120160	1.000	LSUM
0520	Minor Traf Devices	8120170	1.000	LSUM
0530	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	20,230.000	Ft
0540	Sign Cover	8120310	4.000	Ea
0550	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0560	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0570	Sign, Type B, Temp, Prismatic, Furn	8120350	620.000	Sft
0580	Sign, Type B, Temp, Prismatic, Oper	8120351	620.000	Sft
0590	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	40.000	Sft
0600	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	40.000	Sft
0610	Traf Regulator Control	8120370	1.000	LSUM
0620	Riprap, Plain	8130010	15.000	Syd
0630	_ HMA Spillway	8147011	5.000	Syd
0640	Slope Restoration, Type C	8160102	600.000	Syd
0650	Protect Corners	8210020	14.000	Ea
0660	Centerline Corrugations, Milled, HMA	8220013	68,000.000	Ft



9/13/2018 11:08 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 025

Letting Date: October 5, 2018

Contract ID: 82400-132539

Description: Construct green storm water retention infrastructure on Joy Road at multiple intersections in the city of Detroit, Wayne County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132539A	1801015	N/A	TAU 82400

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$53,500.00	1500001	1.000	LSUM
0020	Stump, Rem, 6 inch to 18 inch	2020008	2.000	Ea
0030	Dr Structure, Rem	2030011	4.000	Ea
0040	Curb, Rem	2040021	351.000	Ft
0050	Pavt, Rem	2040050	275.000	Syd
0060	Sidewalk, Rem	2040055	1,115.000	Syd
0070	Excavation, Earth	2050016	1,500.000	Cyd
0080	Aggregate, 6A	2060001	318.000	Cyd
0090	_ Aggregate, 6AA	2067021	341.000	Cyd
0100	Erosion Control, Inlet Protection, Fabric Drop	2080020	9.000	Ea
0110	Project Cleanup	2090001	1.000	LSUM
0120	Geotextile, Separator	3080005	2,821.000	Syd
0130	Dr Structure, 48 inch dia	4030210	4.000	Ea
0140	Curb, Conc, Det E1	8020001	351.000	Ft
0150	Sidewalk, Conc, 4 inch	8030044	4,194.000	Sft
0160	Sidewalk, Conc, 6 inch	8030046	577.000	Sft
0170	_ Pavers, Pervious	8037010	10,699.000	Sft
0180	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
0190	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea
0200	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0210	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0220	Minor Traf Devices	8120170	1.000	LSUM
0230	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
0240	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
0250	Sign Cover	8120310	12.000	Ea
0260	Sign, Type B, Temp, Prismatic, Furn	8120350	336.000	Sft
0270	Sign, Type B, Temp, Prismatic, Oper	8120351	336.000	Sft

0280	_ Gabion Basket	8137001	1,344.000	Ft
0290	Site Preparation, Max \$47,100.00	8150001	1.000	LSUM
0300	Watering and Cultivating, First Season, Min \$10,000.00	8150002	1.000	LSUM
0310	Watering and Cultivating, Second Season, Min \$10,000.00	8150003	1.000	LSUM
0320	Ilex glabra Shamrock, #3 cont.	8151873	946.000	Ea
0330	Liriope spicata, #1 cont.	8152202	3,529.000	Ea
0340	Pennisetum alopecuroides Hameln, #1 cont.	8152639	2,575.000	Ea
0350	_ Carpinus betulus, 3 inch	8157050	16.000	Ea
0360	_ Gleditsia Triacanthos "Inermis", 3 inch	8157050	16.000	Ea
0370	_ Syringe reticulata 'Ivory Silk', 3 inch	8157050	14.000	Ea
0380	Mulch	8160025	1,942.000	Syd
0390	_ Bioswale Construction	8167011	1,518.000	Syd
0400	_ Engineered Soil Planting Mix	8167021	914.000	Cyd



8/20/2018 1:14 PM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 205

Letting Date: October 5, 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, Cl A, 12 inch, Tr Det A	4020004	173.000	Ft
0470	Sewer, Cl A, 12 inch, Tr Det B	4020033	2,095.000	Ft
0480	Sewer, Cl A, 18 inch, Tr Det B	4020035	70.000	Ft
0490	Sewer, Cl A, 24 inch, Tr Det B	4020036	8.000	Ft
0500	Sewer, Cl 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 Interchn, 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	Dlr
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



9/7/2018 8:43 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 181005 219

Letting Date: October 5, 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-52 (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	3.220	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	402.000	Ft
0240	_ Station Grading, Trail, Type A	2057002	276.000	Sta
0250	_ Station Grading, Trail, Type B	2057002	349.000	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	70.000	Ft
0560	_ Concrete Cloth, CC8	4017010	574.000	Sft
0570	_ Chemical Pipe Joint Grouting, 68 inch by 72 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, 1/2 inch	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