

Schedule of Pay Items

Report v1

Letting Call: 171201 001

Letting Date: December 1, 2017

Contract ID: 50000-132693

Description: 1.41 mi of concrete pavement, curb, gutter, curb repairs, sidewalk and ramps, concrete milling and hot mix asphalt overlay, aggregate base, drainage and pavement markings on Schoenherr Road from 15 Mile Road to north of 16 Mile Road, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132693A	1750(035)	N/A	STU 50000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$339,700.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	10,000.000	Ft
0030	Sidewalk, Rem	2040055	692.000	Syd
0040	Project Cleanup	2090001	1.000	LSUM
0050	_ Aggregate Base Repair, Modified	3027031	900.000	Ton
0060	Dr Structure Cover, Type B	4030010	6.000	Ea
0070	Dr Structure Cover, Type D	4030025	2.000	Ea
0080	Dr Structure Cover, Type J	4030045	5.000	Ea
0090	Dr Structure Cover, Type K	4030050	15.000	Ea
0100	Dr Structure Cover, Type Q	4030065	2.000	Ea
0110	Dr Structure, Cleaning	4030290	75.000	Ea
0120	Dr Structure, Temp Lowering	4030390	58.000	Ea
0130	_ Dr Structure, Adj, Add Depth, Modified	4037001	68.000	Ft
0140	_ Dr Structure Cover, Adj, Case 1, Modified	4037050	62.000	Ea
0150	_ External Structure Wrap	4037050	12.000	Ea
0160	Pavt Joint and Crack Repr, Det 7	5010020	27,500.000	Ft
0170	Hand Patching	5010025	530.000	Ton
0180	_ Cold Milling Existing Pavement, 3 inch Deep	5017011	50,680.000	Syd
0190	_ HMA, 5E10, Modified	5017031	8,500.000	Ton
0200	Lane Tie, Epoxy Anchored	6030030	28,890.000	Ea
0210	_ Expansion Joint Filler, 1.0 inch x 8 inch	6037001	950.000	Ft
0220	_ Pavt Repr, Nonreinf Conc, 6 inch, Modified	6037011	14,600.000	Syd
0230	_ Pavt Repr, Nonreinf Conc, 9 inch, Modified	6037011	11,132.000	Syd
0240	_ Pavt Repr, Rem, Modified	6037011	25,650.000	Syd
0250	Curb and Gutter, Conc, Det B2	8020016	2,000.000	Ft
0260	Curb and Gutter, Conc, Det F4	8020038	6,880.000	Ft
0270	Driveway Opening, Conc, Det M	8020050	918.000	Ft

0280	Curb Ramp Opening, Conc	8030030	200.000	Ft
0290	Sidewalk, Conc, 4 inch	8030044	3,875.000	Sft
0300	_ Sidewalk Ramp, ADA, Modified	8037010	2,830.000	Sft
0310	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	1,350.000	Ft
0320	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	450.000	Ft
0330	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	8.000	Ea
0340	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	8.000	Ea
0350	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	3.000	Ea
0360	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	8,943.000	Ft
0370	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	15,000.000	Ft
0380	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	750.000	Ft
0390	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	3,350.000	Ft
0400	Rem Curing Compound, for Spec Mrkg	8110321	1,050.000	Sft
0410	Rem Spec Mrkg	8110343	500.000	Sft
0420	Pavt Mrkg, Wet Retrflec Waterborne, 4 inch, White	8110480	1,204.000	Ft
0430	Pavt Mrkg, Wet Retrflec Waterborne, 4 inch, Yellow	8110484	1,900.000	Ft
0440	Barricade, Type III, High Intensity, Lighted, Furn	8120022	35.000	Ea
0450	Barricade, Type III, High Intensity, Lighted, Oper	8120023	35.000	Ea
0460	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
0470	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
0480	Minor Traf Devices	8120170	1.000	LSUM
0490	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	2,000.000	Ft
0500	Pavt Mrkg, Type NR, Tape, 4 inch, White, Temp	8120230	704.000	Ft
0510	Pavt Mrkg, Type NR, Tape, 4 inch, Yellow, Temp	8120231	1,800.000	Ft
0520	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	7,000.000	Ft
0530	Plastic Drum, High Intensity, Furn	8120250	600.000	Ea
0540	Plastic Drum, High Intensity, Oper	8120251	600.000	Ea
0550	Sign Cover	8120310	20.000	Ea
0560	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0570	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0580	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	1,300.000	Sft
0590	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	1,300.000	Sft
0600	Traf Regulator Control	8120370	1.000	LSUM
0610	_ Turf Establishment, Modified	8167011	5,200.000	Syd
0620	Monument Box Adjust	8210005	3.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 002

Letting Date: December 1, 2017

Contract ID: 33000-130436

Description: 2.41 mi of road widening for paved shoulders and hot mix asphalt resurfacing, grading, concrete curb and gutter, drainage and pavement markings on Jolly Road from Dobie Road to Meridian Road, Ingham County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130436A	1733(036)	N/A	STU 33000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$197,900.00	1500001	1.000	LSUM
0020	Clearing	2010001	2.000	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	20.000	Ea
0040	Tree, Rem, 37 inch or Larger	2020003	3.000	Ea
0050	Tree, Rem, 6 inch to 18 inch	2020004	75.000	Ea
0060	Culv, Rem, Less than 24 inch	2030001	55.000	Ea
0070	Culv, Rem, 24 inch to 48 inch	2030002	1.000	Ea
0080	Culv, End, Rem, Less than 24 inch	2030005	4.000	Ea
0090	Dr Structure, Rem	2030011	9.000	Ea
0100	Sewer, Rem, Less than 24 inch	2030015	585.000	Ft
0110	Curb and Gutter, Rem	2040020	459.000	Ft
0120	Fence, Rem	2040025	444.000	Ft
0130	Pavt, Rem	2040050	178.000	Syd
0140	Sidewalk, Rem	2040055	317.000	Syd
0150	Structures, Rem	2040060	1.000	LSUM
0160	_ Exploratory Trenching	2047001	100.000	Ft
0170	_ Slope Protection, Field Stone, Rem	2047001	120.000	Ft
0180	Embankment, CIP	2050010	3,698.000	Cyd
0190	Excavation, Earth	2050016	12,900.000	Cyd
0200	Granular Material, CI II	2050023	300.000	Cyd
0210	_ Retaining Wall, Geocell Faced, Reinforced	2057011	170.000	Syd
0220	_ Subgrade Stabilization, Chemical	2057011	963.000	Syd
0230	Erosion Control, Check Dam, Stone	2080012	40.000	Ft
0240	Erosion Control, Gravel Filter Berm	2080018	40.000	Ft
0250	Erosion Control, Silt Fence	2080036	5,000.000	Ft
0260	_ Erosion Control, Inlet Protection, Fabric Bag	2087050	25.000	Ea
0270	Subbase, CIP	3010002	3,641.000	Cyd

0280	_ Aggregate Base, Salv, 9 inch	3027011	2,000.000	Syd
0290	_ Asphalt Stabilized Base	3027011	42,031.000	Syd
0300	_ Asphalt Stabilized Base, Pre-Processing	3057011	48,630.000	Syd
0310	Maintenance Gravel	3060020	200.000	Ton
0320	Approach, CI III, 4 inch	3070046	1,685.000	Syd
0330	Approach, CI III, 6 inch	3070048	168.000	Syd
0340	Shoulder, CI III, 4 inch	3070146	4,758.000	Syd
0350	Trenching	3070200	121.000	Sta
0360	_ Approach, CL I, Special	3077031	88.000	Ton
0370	Culv End Sect, 12 inch	4010012	16.000	Ea
0380	Culv End Sect, 15 inch	4010015	1.000	Ea
0390	Culv End Sect, 18 inch	4010018	2.000	Ea
0400	Culv End Sect, 24 inch	4010024	4.000	Ea
0410	Culv End Sect, Metal, 12 inch	4010094	3.000	Ea
0420	Culv End Sect, Metal, 21 inch	4010097	2.000	Ea
0430	Culv, CI A, 12 inch	4010131	53.000	Ft
0440	Culv, CI A, 18 inch	4010133	77.000	Ft
0450	Culv, CI A, 24 inch	4010134	48.000	Ft
0460	Culv, CI E, 12 inch	4010539	120.000	Ft
0470	Culv, CI E, Conc, 15 inch	4010574	32.000	Ft
0480	Culv, CI E, Conc, 18 inch	4010575	32.000	Ft
0490	Culv, CI F, 12 inch	4010607	1,234.000	Ft
0500	Culv, CI F, 15 inch	4010608	60.000	Ft
0510	Culv, CI F, 24 inch	4010610	53.000	Ft
0520	Sewer, CI A, 12 inch, Tr Det B	4020033	423.000	Ft
0530	Sewer, CI A, 15 inch, Tr Det B	4020034	72.000	Ft
0540	Sewer, CI A, 12 inch, Tr Det D	4020093	90.000	Ft
0550	Sewer, CI B, 12 inch, Tr Det B	4020183	40.000	Ft
0560	Sewer Tap, 12 inch	4021204	4.000	Ea
0570	_ Sewer, Reconstruct, CMP, 12 inch	4027001	36.000	Ft
0580	Dr Structure Cover, Adj, Case 1	4030005	4.000	Ea
0590	Dr Structure Cover, Adj, Case 2	4030006	6.000	Ea
0600	Dr Structure Cover, Type B	4030010	3.000	Ea
0610	Dr Structure Cover, Type D	4030025	1.000	Ea
0620	Dr Structure Cover, Type E	4030035	4.000	Ea
0630	Dr Structure Cover, Type G	4030040	8.000	Ea
0640	Dr Structure Cover, Type J	4030045	2.000	Ea
0650	Dr Structure Cover, Type K	4030050	4.000	Ea
0660	Dr Structure, 24 inch dia	4030200	4.000	Ea
0670	Dr Structure, 48 inch dia	4030210	8.000	Ea
0680	Dr Structure, Adj, Add Depth	4030280	10.000	Ft
0690	Dr Structure, Tap, 12 inch	4030312	3.000	Ea
0700	Dr Structure, Temp Lowering	4030390	8.000	Ea
0710	_ Dr Structure Cover, ADA Compliant	4037050	1.000	Ea
0720	Underdrain, Subbase, 4 inch	4040061	2,015.000	Ft

0730	Underdrain, Subbase, 6 inch	4040063	90.000	Ft
0740	Underdrain, Subgrade, 12 inch	4040079	935.000	Ft
0750	Underdrain Outlet, 4 inch	4040091	100.000	Ft
0760	Underdrain Outlet, 6 inch	4040093	160.000	Ft
0770	Underdrain, Outlet Ending, 4 inch	4040111	7.000	Ea
0780	_ Underdrain Inlet, 24 inch	4047050	5.000	Ea
0790	Culv Bedding, Box Culv	4060005	50.000	Cyd
0800	_ Culv, Box or Arch Alternate, 120 Square Foot	4067001	90.000	Ft
0810	HMA Surface, Rem	5010005	1,718.000	Syd
0820	Pavt for Butt Joints, Rem	5010008	2,733.000	Syd
0830	Hand Patching	5010025	150.000	Ton
0840	HMA Approach	5010061	874.000	Ton
0850	HMA, LVSP	5010703	8,900.000	Ton
0860	Driveway, Nonreinf Conc, 6 inch	8010005	120.000	Syd
0870	Driveway, Nonreinf Conc, 7 inch	8010006	60.000	Syd
0880	Curb and Gutter, Conc, Det B2	8020016	3,352.000	Ft
0890	Curb and Gutter, Conc, Det C4	8020023	102.000	Ft
0900	Shoulder Gutter, Conc, Det 2	8020056	2.000	Ea
0910	_ Detectable Warning Surface, Cast Iron	8037010	121.000	Sft
0920	_ Sidewalk Ramp, ADA, Modified	8037010	1,048.000	Sft
0930	_ Sidewalk, Conc, Special, 4 inch	8037010	1,722.000	Sft
0940	_ Sidewalk, Conc, Special, 6 inch	8037010	200.000	Sft
0950	Curb Sloped, HMA	8050010	578.000	Ft
0960	Guardrail, Type B	8070000	1,075.000	Ft
0970	Guardrail, Curved, Type B	8070010	25.000	Ft
0980	Guardrail, Backed, Det G2	8070016	2.000	Ea
0990	Guardrail Approach Terminal, Type 1B	8070040	2.000	Ea
1000	Guardrail Approach Terminal, Type 2B	8070042	3.000	Ea
1010	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
1020	Guardrail, Salv	8070075	637.000	Ft
1030	Post, Mailbox	8070095	49.000	Ea
1040	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	96.000	Ft
1050	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	8110044	66.000	Ft
1060	Pavt Mrkg, Ovly Cold Plastic, Merge Arrow Symbol	8110050	1.000	Ea
1070	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	2.000	Ea
1080	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
1090	Pavt Mrkg, Waterborne, 4 inch, White	8110231	25,000.000	Ft
1100	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	14,000.000	Ft
1110	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	14.000	Ea
1120	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	14.000	Ea
1130	Channelizing Device, 42 inch, Furn	8120030	220.000	Ea
1140	Channelizing Device, 42 inch, Oper	8120031	220.000	Ea
1150	Lighted Arrow, Type C, Furn	8120140	2.000	Ea

1160	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
1170	Minor Traf Devices	8120170	1.000	LSUM
1180	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	250.000	Ft
1190	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,000.000	Ft
1200	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
1210	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
1220	Sign Cover	8120310	6.000	Ea
1230	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
1240	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
1250	Sign, Type B, Temp, Prismatic, Furn	8120350	1,469.000	Sft
1260	Sign, Type B, Temp, Prismatic, Oper	8120351	1,469.000	Sft
1270	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	65.000	Sft
1280	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	65.000	Sft
1290	Traf Regulator Control	8120370	1.000	LSUM
1300	_ Pedestrian Path, Temp	8127001	70.000	Ft
1310	_ Pedestrian Ramp, Temp	8127050	6.000	Ea
1320	_ Pedestrian Type II Barricade, Temp	8127050	12.000	Ea
1330	Riprap, Plain	8130011	102.000	Ton
1340	_ Slope Protection, Field Stone, Furn and Place	8137011	17.000	Syd
1350	_ Slope Protection, Field Stone, Salv	8137011	59.000	Syd
1360	_ Slope Protection, Geocell, 72 Square Inch x 6 Inch Depth, 4G Fill	8137011	60.000	Syd
1370	_ Slope Protection, Geocell, 72 Square Inch x 6 Inch Depth, CLII Fill	8137011	180.000	Syd
1380	Ditch, Plain Cobble	8140005	200.000	Syd
1390	_ Slope Restoration, Type I	8167011	8,700.000	Syd
1400	_ Slope Restoration, Type II	8167011	25,500.000	Syd
1410	_ Slope Restoration, Type III	8167011	7,000.000	Syd
1420	Hh, Polymer Conc	8190250	1.000	Ea
1430	Hh, Rem	8190254	1.000	Ea
1440	Traf Loop	8200170	2.000	Ea
1450	Monument Box	8210001	4.000	Ea
1460	Monument Box Adjust	8210005	4.000	Ea
1470	Monument Preservation	8210010	4.000	Ea
1480	Protect Corners	8210020	17.000	Ea
1490	_ Utility Valve Box	8237050	2.000	Ea
1500	_ Utility Valve Box, Adj, Case 1	8237050	2.000	Ea
1510	_ Utility Valve Box, Adj, Case 2	8237050	2.000	Ea
1520	_ Sanitary Structure, Adj, Add Depth	8257001	6.000	Ft
1530	_ Sanitary Structure Cover, Adj, Case 1	8257050	6.000	Ea
1540	_ Sanitary Structure Cover, Adj, Case 2	8257050	2.000	Ea
1550	_ Sanitary Structure, Chimney Seal, External	8507010	100.000	Sft
1560	_ Surplus Material Delivery, Aurelius Road	8507021	1,000.000	Cyd
1570	_ Stabilization Asphalt, Engineered Emulsion	8507031	262.000	Ton

1580	_ Stabilization Chemical, By-Product	8507031	24.000	Ton
1590	_ Stabilization Chemical, Manufactured	8507031	24.000	Ton



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Schedule of Pay Items

Report v1

Letting Call: 171201 003

Letting Date: December 1, 2017

Contract ID: 51005-118592

Description: Bridge removal and replacement with 27-inch prestressed concrete box beams and approach work on Coats Highway over Big Manistee River, Manistee County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
118592A	N/A	N/A	MCS 51005

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$169,900.00	1500001	1.000	LSUM
0020	_ Clearing, Modified	2017002	6.000	Sta
0030	Embankment, CIP	2050010	250.000	Cyd
0040	Excavation, Earth	2050016	1,550.000	Cyd
0050	Subgrade Undercutting, Type II	2050041	50.000	Cyd
0060	Erosion Control, Silt Fence	2080036	864.000	Ft
0070	Subbase, CIP	3010002	800.000	Cyd
0080	Aggregate Base	3020001	500.000	Ton
0090	Aggregate Base, 8 inch	3020020	1,648.000	Syd
0100	Shoulder, CI II, 6 inch	3070128	242.000	Syd
0110	HMA Surface, Rem	5010005	1,513.000	Syd
0120	HMA, 13A	5010033	455.000	Ton
0130	Curb and Gutter, Bridge Approach	8020010	186.000	Ft
0140	Guardrail, Type B	8070000	388.000	Ft
0150	Guardrail Anch, Bridge, Det T2	8070023	4.000	Ea
0160	Guardrail Approach Terminal, Type 1B	8070040	2.000	Ea
0170	Guardrail Approach Terminal, Type 2B	8070042	2.000	Ea
0180	Guardrail, Salv	8070075	509.000	Ft
0190	Guardrail Reflector	8070080	32.000	Ea
0200	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,288.000	Ft
0210	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,288.000	Ft
0220	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0230	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Sign, Type B, Temp, Prismatic, Furn	8120350	418.000	Sft
0260	Sign, Type B, Temp, Prismatic, Oper	8120351	418.000	Sft
0270	_ Maintaining Boat Traffic Devices	8127051	1.000	LSUM

0280	Ditch, Plain Cobble	8140005	20.000	Syd
0290	_ Slope Restoration, Modified	8167011	865.000	Syd

Section: 2

0300	Structures, Rem	2040060	1.000	LSUM
0310	Backfill, Structure, CIP	2060002	520.000	Cyd
0320	Excavation, Fdn	2060010	1,400.000	Cyd
0330	Erosion Control, Filter Bag	2080014	4.000	Ea
0340	Underdrain, Fdn, 4 inch	4040031	82.000	Ft
0350	Underdrain Outlet, 4 inch	4040091	32.000	Ft
0360	Underdrain, Outlet Ending, 4 inch	4040111	4.000	Ea
0370	Cofferdams	7040007	1.000	LSUM
0380	_ Steel Sheet Piling, Permanent, Galvanized	7047010	1,020.000	Sft
0390	Pile Driving Equipment, Furn	7050002	1.000	LSUM
0400	Pile, Steel, Furn and Driven, 12 inch	7050030	1,543.000	Ft
0410	Test Pile, Steel, 12 inch	7050031	4.000	Ea
0420	Pile, Steel, Splice	7050050	38.000	Ea
0430	Bridge Ltg, Furn and Rem	7060001	1.000	LSUM
0440	Bridge Ltg, Oper and Maintain	7060002	178.000	Cyd
0450	Conc, Grade T	7060013	183.000	Cyd
0460	Conc, Low Temperature Protection	7060020	373.000	Cyd
0470	Expansion Joint Device	7060050	57.000	Ft
0480	False Decking	7060060	5,772.000	Sft
0490	Reinforcement, Steel, Epoxy Coated	7060092	64,530.000	Lb
0500	Substructure Conc	7060100	373.000	Cyd
0510	Superstructure Conc	7060110	29.000	Cyd
0520	Superstructure Conc, Form, Finish, and Cure	7060111	1.000	LSUM
0530	Superstructure Conc, Form, Finish, and Cure, Night Casting	7060112	1.000	LSUM
0540	Superstructure Conc, Night Casting	7060113	178.000	Cyd
0550	_ Structure Name Plate	7067050	1.000	Ea
0560	Bearing, Elastomeric, 1 inch	7070012	4,510.000	Sin
0570	Bearing, Elastomeric, 1 1/4 inch	7070013	6,764.000	Sin
0580	Bearing, Elastomeric, 2 1/2 inch	7070018	2,255.000	Sin
0590	Structural Steel, Mixed, Erect	7070050	1,536.000	Lb
0600	Structural Steel, Mixed, Furn and Fab	7070051	1,536.000	Lb
0610	Prest Conc Deck, 27 inch	7080004	7,239.000	Sft
0620	Post Tensioning	7080015	1.000	LSUM
0630	Joint Waterproofing	7100001	213.000	Sft
0640	Joint Waterproofing, Expansion	7100003	108.000	Sft
0650	Conc Surface Coating (SN 6452)	7100010	1.000	LSUM
0660	Bridge Railing, 2 Tube	7110008	402.000	Ft
0670	Riprap, Heavy	8130005	600.000	Syd



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 004

Letting Date: December 1, 2017

Contract ID: 81000-200232

Description: 0.40 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, drainage work, slope restoration and pavement markings on South State Street from north of West Ellsworth Road north to I-94 in the city of Ann Arbor, Washtenaw County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200232A	1781(033)	N/A	STU 81000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Audiovisual Recording	1047051	1.000	LSUM
0020	Mobilization, Max \$50,700.00	1500001	1.000	LSUM
0030	Dr Structure, Rem	2030011	3.000	Ea
0040	Curb and Gutter, Rem	2040020	100.000	Ft
0050	Pavt, Rem	2040050	25.000	Syd
0060	Erosion Control, Inlet Protection, Fabric Drop	2080020	22.000	Ea
0070	_ Aggregate Base, 21AA Limestone	3027031	20.000	Ton
0080	Dr Structure Cover, Adj, Case 1	4030005	20.000	Ea
0090	Dr Structure Cover, Type K	4030050	4.000	Ea
0100	Dr Structure, 24 inch dia	4030200	2.000	Ea
0110	_ Dr Structure, Double Inlet	4037050	1.000	Ea
0120	Pavt, Cleaning	5010001	1.000	LSUM
0130	Cold Milling HMA Surface	5010002	20,700.000	Syd
0140	HMA, 5E3	5010057	2,415.000	Ton
0150	_ Cold Milling HMA Surface, Modified	5017011	1,000.000	Syd
0160	_ Hand Patching, Modified	5017031	200.000	Ton
0170	_ Curb and Gutter, Conc	8027001	100.000	Ft
0180	Rem Spec Mrkg	8110343	5.000	Sft
0190	Pavt Mrkg, Wet Retrflec Thermopl, 4 inch, White	8110520	4,390.000	Ft
0200	Pavt Mrkg, Wet Retrflec Thermopl, 4 inch, Yellow	8110524	740.000	Ft
0210	_ Pavt Mrkg, Wet Retrflec Thermopl, 12 inch, Crosswalk	8117001	812.000	Ft
0220	_ Pavt Mrkg, Wet Retrflec Thermopl, 24 inch, Stop Bar	8117001	258.000	Ft
0230	_ Pavt Mrkg, Wet Retrflec Thermopl, Lt Turn Arrow Sym	8117050	9.000	Ea
0240	_ Pavt Mrkg, Wet Retrflec Thermopl, Only	8117050	17.000	Ea
0250	_ Pavt Mrkg, Wet Retrflec Thermopl, Rt Turn Arrow Sym	8117050	11.000	Ea
0260	_ Pavt Mrkg, Wet Retrflec Thermopl, Thru Arrow Sym	8117050	3.000	Ea

0270	Barricade, Type III, High Intensity, Lighted, Furn	8120022	27.000	Ea
0280	Barricade, Type III, High Intensity, Lighted, Oper	8120023	27.000	Ea
0290	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0300	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0310	Minor Traf Devices	8120170	1.000	LSUM
0320	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	10,722.000	Ft
0330	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	64.000	Ft
0340	Plastic Drum, High Intensity, Furn	8120250	460.000	Ea
0350	Plastic Drum, High Intensity, Oper	8120251	460.000	Ea
0360	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0370	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0380	Sign, Type B, Temp, Prismatic, Furn	8120350	787.000	Sft
0390	Sign, Type B, Temp, Prismatic, Oper	8120351	787.000	Sft
0400	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	45.000	Sft
0410	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	45.000	Sft
0420	Traf Regulator Control	8120370	1.000	LSUM
0430	_ Slope Restoration	8167011	40.000	Syd



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 005

Letting Date: December 1, 2017

Contract ID: 13000-200916

Description: 0.27 mi of guardrail replacement at various locations, Calhoun County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200916A	HSIP 1713(018)	N/A	HSIP 13000

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	Guardrail, Rem	2040035	2,335.000	Ft
0030	_ TL-2 Timber, Modified	2047051	1.000	LSUM
0040	Erosion Control, Silt Fence	2080036	2,500.000	Ft
0050	Guardrail, Type B	8070000	2,263.000	Ft
0060	Guardrail, Curved, Type B	8070010	250.000	Ft
0070	Guardrail Anch, Bridge, Det T1	8070022	3.000	Ea
0080	Guardrail Anch, Bridge, Det T2	8070023	5.000	Ea
0090	Guardrail Approach Terminal, Type 1B	8070040	1.000	Ea
0100	Guardrail Approach Terminal, Type 2B	8070042	16.000	Ea
0110	Guardrail Approach Terminal, Type 2T	8070043	3.000	Ea
0120	Guardrail Post, Culv	8070070	24.000	Ea
0130	Guardrail Reflector	8070080	69.000	Ea
0140	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0150	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0160	Minor Traf Devices	8120170	1.000	LSUM
0170	Plastic Drum, High Intensity, Furn	8120250	75.000	Ea
0180	Plastic Drum, High Intensity, Oper	8120251	75.000	Ea
0190	Sign, Type B, Temp, Prismatic, Furn	8120350	262.000	Sft
0200	Sign, Type B, Temp, Prismatic, Oper	8120351	262.000	Sft
0210	Traf Regulator Control	8120370	1.000	LSUM
0220	Slope Restoration, Type B	8160101	2,000.000	Syd



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 006

Letting Date: December 1, 2017

Contract ID: 13025-126749

Description: Bridge removal and replacement with 48-inch prestressed concrete bulb tee beams and approach work on Marshall Avenue over Kalamazoo River in the city of Marshall, Calhoun County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
126749A	N/A	N/A	MCS 13025

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$185,600.00	1500001	1.000	LSUM
0020	_ Clearing, Special	2017002	2.000	Sta
0030	Dr Structure, Rem	2030011	3.000	Ea
0040	Sewer, Rem, Less than 24 inch	2030015	266.000	Ft
0050	Curb and Gutter, Rem	2040020	651.000	Ft
0060	Fence, Rem	2040025	161.000	Ft
0070	Guardrail, Rem	2040035	220.000	Ft
0080	Pavt, Rem	2040050	1,081.000	Syd
0090	Sidewalk, Rem	2040055	165.000	Syd
0100	Embankment, CIP	2050010	175.000	Cyd
0110	Excavation, Earth	2050016	740.000	Cyd
0120	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0130	Erosion Control, Silt Fence	2080036	660.000	Ft
0140	Subbase, CIP	3010002	497.000	Cyd
0150	Aggregate Base	3020001	847.000	Ton
0160	Aggregate Base, 8 inch	3020020	1,139.000	Syd
0170	Sewer, Cl A, 12 inch, Tr Det B	4020033	187.000	Ft
0180	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea
0190	Dr Structure Cover, Type B	4030010	3.000	Ea
0200	Dr Structure Cover, Type K	4030050	4.000	Ea
0210	Dr Structure, 48 inch dia	4030210	5.000	Ea
0220	Dr Structure, Tap, 12 inch	4030312	1.000	Ea
0230	Cold Milling HMA Surface	5010002	289.000	Syd
0240	HMA, 3E3	5010045	154.000	Ton
0250	HMA, 4E3	5010051	103.000	Ton
0260	HMA, 5E3	5010057	102.000	Ton
0270	Conc, Grade S2	7060011	2.000	Cyd

0280	Reinforcement, Steel, Culv and Headwall	7060091	80.000	Lb
0290	Curb and Gutter, Conc, Det F4	8020038	541.000	Ft
0300	Detectable Warning Surface	8030010	12.000	Ft
0310	Sidewalk Ramp, Conc, 4 inch	8030034	308.000	Sft
0320	Sidewalk, Conc, 4 inch	8030044	1,031.000	Sft
0330	Guardrail, Type B	8070000	13.000	Ft
0340	Guardrail, Curved, Type B	8070010	25.000	Ft
0350	Guardrail Anch, Bridge, Det T2	8070023	4.000	Ea
0360	Guardrail Approach Terminal, Type 1B	8070040	3.000	Ea
0370	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0380	Guardrail Reflector	8070080	6.000	Ea
0390	_ Fence, Decorative	8087001	56.000	Ft
0400	Post, Steel, 3 lb	8100371	82.000	Ft
0410	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0420	Sign, Type III, Rem	8100403	5.000	Ea
0430	Sign, Type IIIB	8100405	38.000	Sft
0440	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	95.000	Ft
0450	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	54.000	Ft
0460	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	26.000	Ft
0470	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
0480	Pavt Mrkg, Ovly Cold Plastic, Thru and Lt Turn Arrow Sym	8110076	2.000	Ea
0490	Pavt Mrkg, Waterborne, 4 inch, White	8110231	86.000	Ft
0500	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	958.000	Ft
0510	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	270.000	Ft
0520	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	11.000	Ea
0530	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	11.000	Ea
0540	Minor Traf Devices	8120170	1.000	LSUM
0550	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0560	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0570	Sign, Type B, Temp, Prismatic, Furn	8120350	399.000	Sft
0580	Sign, Type B, Temp, Prismatic, Oper	8120351	399.000	Sft
0590	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	157.000	Sft
0600	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	157.000	Sft
0610	Slope Restoration, Type C	8160102	870.000	Syd
0620	_ Horizontal Directional Drilling	8197051	1.000	LSUM
0630	_ Water Main Backfill, Class II	8237001	492.000	Ft
0640	_ Water Main, 8 inch	8237001	492.000	Ft
0650	_ Gate Valve and Box, 8 inch	8237050	2.000	Ea
0660	_ Water Main Pipe Hanger, 8 inch	8237050	4.000	Ea
0670	_ Water Main, Connect New 8 inch to Existing 4 inch	8237050	2.000	Ea
0680	_ Water Main Fittings, DI	8507030	1,000.000	Lb

Section: 2

0690	Structures, Rem Portions (Structure No. 1417)	2040061	1.000	LSUM
0700	Backfill, Structure, CIP	2060002	950.000	Cyd
0710	Excavation, Fdn	2060010	2,650.000	Cyd
0720	Excavation, Rock Fdn	2060011	155.000	Cyd
0730	Erosion Control, Turbidity Curtain, Shallow	2080044	60.000	Ft
0740	Underdrain, Fdn, 4 inch	4040031	315.000	Ft
0750	Underdrain Outlet, 4 inch	4040091	20.000	Ft
0760	Underdrain, Outlet Ending, 4 inch	4040111	4.000	Ea
0770	Joint, Expansion, E3	6020208	50.000	Ft
0780	Conc Pavt, Bridge Approach, Reinf	6020600	83.000	Syd
0790	Bridge Ltg, Furn and Rem (Structure No. 1417)	7060001	1.000	LSUM
0800	Bridge Ltg, Oper and Maintain	7060002	208.000	Cyd
0810	Expansion Joint Device	7060050	51.000	Ft
0820	Expansion Joint Device, Cover Plate	7060051	10.000	Ft
0830	False Decking	7060060	5,030.000	Sft
0840	Pipe Sleeve, 20 inch	7060080	2.000	Ea
0850	Reinforcement, Steel, Epoxy Coated	7060092	113,674.000	Lb
0860	Substructure Conc	7060100	479.000	Cyd
0870	Superstructure Conc	7060110	54.000	Cyd
0880	Superstructure Conc, Form, Finish, and Cure (Structure No. 1417)	7060111	1.000	LSUM
0890	Superstructure Conc, Form, Finish, and Cure, Night Casting (Structure No. 1417)	7060112	1.000	LSUM
0900	Superstructure Conc, Night Casting	7060113	208.000	Cyd
0910	_ Simulated Stone Masonry	7067011	171.000	Syd
0920	Bearing, Elastomeric, 2 1/2 inch	7070018	4,032.000	Sin
0930	Structural Steel, Mixed, Erect	7070050	700.000	Lb
0940	Structural Steel, Mixed, Furn and Fab	7070051	700.000	Lb
0950	Prest Conc Bulb-Tee Beam, Furn, 48 inch by 49 inch	7080120	647.000	Ft
0960	Prest Conc Bulb-Tee Beam, Erect, 48 inch by 49 inch	7080121	647.000	Ft
0970	Joint Waterproofing	7100001	700.000	Sft
0980	Conc Surface Coating (Structure No. 1417)	7100010	1.000	LSUM
0990	_ Bridge Barrier Railing, Aesthetic	7117001	270.000	Ft
1000	Riprap, Heavy	8130005	385.000	Syd



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Schedule of Pay Items

Report v1

Letting Call: 171201 007

Letting Date: December 1, 2017

Contract ID: 50400-131829

Description: Traffic signal controller and system upgrades at 156 locations countywide, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131829A	CMG 1750(040)	N/A	CMG 50400

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$63,000.00	1500001	1.000	LSUM
0020	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0030	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0040	Minor Traf Devices	8120170	1.000	LSUM
0050	Plastic Drum, High Intensity, Furn	8120250	10.000	Ea
0060	Plastic Drum, High Intensity, Oper	8120251	10.000	Ea
0070	Sign, Type B, Temp, Prismatic, Furn	8120350	100.000	Sft
0080	Sign, Type B, Temp, Prismatic, Oper	8120351	100.000	Sft
0090	Traf Regulator Control	8120370	1.000	LSUM
0100	_ Slope Restoration, Type A	8167011	100.000	Syd
0110	_ Controller, ATC 2070, 1C/2B/ - /3B/4B/ - , Delivered	8207050	75.000	Ea
0120	_ Controller, ATC 2070, 1C/2B/ - /3B/4B/8, Delivered	8207050	52.000	Ea
0130	_ Controller, ATC 2070, 1C/2B/2N/3B/4B/ - , Delivered	8207050	29.000	Ea
0140	_ Controller, ATC 2070, Install	8207050	156.000	Ea
0150	_ Controller, Frankencable, Delivered	8207050	92.000	Ea
0160	_ Controller, Software, D4 w/ SPaT, Licencse, Delivered	8207050	156.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 008

Letting Date: December 1, 2017

Contract ID: 50400-124861

Description: Installation of surveillance cameras, wireless interconnect, managed network switches, truss arms and communication poles on various routes countywide, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
124861A	1750(033)	N/A	CMG 50400

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$37,400.00	1500001	1.000	LSUM
0020	Sidewalk, Rem	2040055	40.000	Syd
0030	Exploratory Investigation, Vertical	2040080	20.000	Ft
0040	_ Sidewalk, Conc, 4 inch, Modified	8037010	400.000	Sft
0050	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0060	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0070	Minor Traf Devices	8120170	1.000	LSUM
0080	Plastic Drum, High Intensity, Furn	8120250	10.000	Ea
0090	Plastic Drum, High Intensity, Oper	8120251	10.000	Ea
0100	Sign, Type B, Temp, Prismatic, Furn	8120350	100.000	Sft
0110	Sign, Type B, Temp, Prismatic, Oper	8120351	100.000	Sft
0120	Traf Regulator Control	8120370	1.000	LSUM
0130	_ Slope Restoration, Type A	8167011	100.000	Syd
0140	Conduit, DB, 1, 1 1/2 inch	8190027	65.000	Ft
0150	Conduit, DB, 1, 3 inch	8190029	100.000	Ft
0160	Conduit, DB, 3, 3 inch	8190035	65.000	Ft
0170	Conduit, Jacked Bored, 1, 1 1/2 inch	8190608	2.000	Ft
0180	Anchor Guy	8200001	2.000	Ea
0190	_ Communication Pole and Fdn	8207050	2.000	Ea
0200	_ Electrical Device, Adjust	8207050	5.000	Ea
0210	_ Managed Ethernet Switch, Type 1	8207050	10.000	Ea
0220	_ Managed Ethernet Switch, Type 2	8207050	2.000	Ea
0230	_ Video Surveillance, Camera	8207050	26.000	Ea
0240	_ Wireless Interconnect, Dual Radio	8207050	2.000	Ea
0250	_ Wireless Interconnect, Integrated Radio	8207050	7.000	Ea
0260	_ Irrigation Head Replacement	8237050	1.000	Ea
0270	_ Irrigation Line Repair	8237050	1.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 009

Letting Date: December 1, 2017

Contract ID: 39405-126649

Description: 0.29 mi of hot mix asphalt cold milling and resurfacing, concrete curb, gutter, sidewalk and ramps, watermain, sanitary and storm sewer and pavement markings on Vine Street from Davis Street to Westnedge Avenue in the city of Kalamazoo, Kalamazoo County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
126649A	1739(032)	N/A	TAU 39405

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$57,300.00	1500001	1.000	LSUM
0020	Dr Structure, Rem	2030011	3.000	Ea
0030	Pavt, Rem	2040050	620.000	Syd
0040	Sidewalk, Rem	2040055	840.000	Syd
0050	_ Curb and Gutter, Rem, Modified	2047001	2,600.000	Ft
0060	_ Pavt, Rem, Modified	2047011	490.000	Syd
0070	Machine Grading	2050030	4.000	Sta
0080	Subgrade Undercutting, Type II	2050041	60.000	Cyd
0090	Erosion Control, Inlet Protection, Fabric Drop	2080020	13.000	Ea
0100	Aggregate Base, 8 inch	3020020	325.000	Syd
0110	Maintenance Gravel	3060020	100.000	Ton
0120	Dr Structure Cover, Adj, Case 1	4030005	17.000	Ea
0130	Dr Structure Cover, Type K	4030050	11.000	Ea
0140	Dr Structure, Adj, Add Depth	4030280	5.000	Ft
0150	_ Dr Structure Cover, Type B, Modified	4037050	6.000	Ea
0160	_ Dr Structure Cover, Type Q, Modified	4037050	9.000	Ea
0170	_ Dr Structure, 24 inch Dia, Inlet	4037050	7.000	Ea
0180	Cold Milling HMA Surface	5010002	5,675.000	Syd
0190	HMA Surface, Rem	5010005	400.000	Syd
0200	Hand Patching	5010025	75.000	Ton
0210	HMA, 13A	5010033	555.000	Ton
0220	HMA, 36A	5010034	555.000	Ton
0230	Conc Base Cse, Nonreinf, 6 inch	6020015	620.000	Syd
0240	Driveway, Nonreinf Conc, 6 inch	8010005	775.000	Syd
0250	Curb, Conc, Det E2	8020002	50.000	Ft
0260	Curb and Gutter, Conc, Det F4	8020038	2,500.000	Ft
0270	Detectable Warning Surface	8030010	60.000	Ft

0280	Curb Ramp Opening, Conc	8030030	100.000	Ft
0290	Sidewalk Ramp, Conc, 6 inch	8030036	780.000	Sft
0300	Sidewalk, Conc, 4 inch	8030044	3,530.000	Sft
0310	Sidewalk, Conc, 6 inch	8030046	3,135.000	Sft
0320	Sign, Type III, Rem	8100403	45.000	Ea
0330	Sign, Type IIIA	8100404	120.000	Sft
0340	Sign, Type IIIB	8100405	30.000	Sft
0350	_ Post, Steel, Galvanized, 3 LB	8107001	545.000	Ft
0360	_ Sign, Type IIIA, Special	8107010	30.000	Sft
0370	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	400.000	Ft
0380	Pavt Mrkg, Ovly Cold Plastic, School	8110074	1.000	Ea
0390	Pavt Mrkg, Ovly Cold Plastic, Sharrow Symbol	8110079	6.000	Ea
0400	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
0410	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
0420	Channelizing Device, 42 inch, Furn	8120030	250.000	Ea
0430	Channelizing Device, 42 inch, Oper	8120031	250.000	Ea
0440	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0450	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0460	Minor Traf Devices	8120170	1.000	LSUM
0470	Sign, Type B, Temp, Prismatic, Furn	8120350	578.000	Sft
0480	Sign, Type B, Temp, Prismatic, Oper	8120351	578.000	Sft
0490	Traf Regulator Control	8120370	1.000	LSUM
0500	Slope Restoration, Type B	8160101	1,825.000	Syd
0510	Hydrant, Rem	8230091	2.000	Ea
0520	Water Main, 4 inch, Cut and Plug	8230130	1.000	Ea
0530	Water Shutoff, Adj, Case 1	8230421	8.000	Ea
0540	Gate Box, Adj, Case 2	8230432	1.000	Ea
0550	_ Water Main, DI, 6 inch, Tr Det G, Modified	8237001	290.000	Ft
0560	_ Fire Hydrant, Modified	8237050	3.000	Ea
0570	_ Gate Box, Adj. Case 1, Modified	8237050	2.000	Ea
0580	_ Gate Box, Reconstruct, Modified	8237050	9.000	Ea
0590	_ Gate Valve and Box, 6 inch, Modified	8237050	1.000	Ea
0600	_ Water Serv	8237050	18.000	Ea
0610	_ Water Serv, Long	8237050	18.000	Ea
0620	_ Water Serv, Potholing	8237050	30.000	Ea
0630	_ Sanitary Service, PVC, 6 inch, Tr Det B	8257001	160.000	Ft
0640	_ Sanitary Sewer, PVC, 8 inch, Tr Det B	8257001	267.000	Ft
0650	_ San Wye, 8 inch x 6 inch	8257050	8.000	Ea
0660	_ Sanitary Cleanout, PVC, 6 inch, Tr Det B	8257050	8.000	Ea
0670	_ Sanitary Structure, 48 inch dia	8257050	2.000	Ea



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Schedule of Pay Items

Report v1

Letting Call: 171201 010

Letting Date: December 1, 2017

Contract ID: 50400-124701

Description: Installation of wireless interconnect and managed network switches for communications to the Traffic Operations Center at 53 intersections countywide, Macomb County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
124701A	1750(034)	N/A	CMG 50400

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$22,300.00	1500001	1.000	LSUM
0020	Sidewalk, Rem	2040055	40.000	Syd
0030	Exploratory Investigation, Vertical	2040080	20.000	Ft
0040	_ Sidewalk, Conc, 4 inch, Modified	8037010	400.000	Sft
0050	Truss, Rem	8100440	4.000	Ea
0060	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0070	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0080	Minor Traf Devices	8120170	1.000	LSUM
0090	Plastic Drum, High Intensity, Furn	8120250	10.000	Ea
0100	Plastic Drum, High Intensity, Oper	8120251	10.000	Ea
0110	Sign, Type B, Temp, Prismatic, Furn	8120350	100.000	Sft
0120	Sign, Type B, Temp, Prismatic, Oper	8120351	100.000	Sft
0130	Traf Regulator Control	8120370	1.000	LSUM
0140	_ Slope Restoration, Type A	8167011	100.000	Syd
0150	Conduit, DB, 1, 3 inch	8190029	165.000	Ft
0160	Wood Pole, Cl 4, 35 foot	8190472	5.000	Ea
0170	Wood Pole, Cl 4, 55 foot	8190476	2.000	Ea
0180	Wood Pole, Cl 4, 70 foot	8190479	1.000	Ea
0190	Wood Pole, Fit Up, TS Cable Pole	8190501	3.000	Ea
0200	Conduit, Jacked Bored, 1, 1 1/2 inch	8190608	2.000	Ft
0210	Anchor Guy	8200001	2.000	Ea
0220	Power Co. (Est. Cost to Contractor)	8200116	1,200.000	Dlr
0230	Serv Disconnect	8200135	6.000	Ea
0240	TS, Antenna, Rem	8200368	4.000	Ea
0250	TS, Antenna, Salv	8200369	2.000	Ea
0260	Bracket, Truss, With 6 Foot Arm	8200374	4.000	Ea
0270	Bracket, Truss, With 18 Foot Arm	8200378	4.000	Ea
0280	Bracket, Truss, Salv	8200385	1.000	Ea

0290	Bracket, Truss, Rem	8200388	1.000	Ea
0300	Cellular Modem, TS, 4G	8200498	4.000	Ea
0310	_ Auxiliary Cabinet	8207050	6.000	Ea
0320	_ Irrigation Head Replacement	8207050	1.000	Ea
0330	_ Irrigation Line Repair	8207050	1.000	Ea
0340	_ Managed Ethernet Switch	8207050	27.000	Ea
0350	_ Wireless Interconnect, Access Point, Rem	8207050	1.000	Ea
0360	_ Wireless Interconnect, Dual Radio	8207050	16.000	Ea
0370	_ Wireless Interconnect, Dual Radio, Rem	8207050	2.000	Ea
0380	_ Wireless Interconnect, Dual Radio, Salv	8207050	1.000	Ea
0390	_ Wireless Interconnect, Integrated Radio	8207050	29.000	Ea
0400	_ Wireless Interconnect, Integrated Radio, Rem	8207050	9.000	Ea
0410	_ Wireless Interconnect, Integrated Radio, Salv	8207050	7.000	Ea

Schedule of Pay Items

Report v1

Letting Call: 171201 011

Letting Date: December 1, 2017

Contract ID: 70024-123333

Description: 5.00 mi of hot mix asphalt temporary shoulder widening and crossovers, earth excavation, drainage, guardrail and pavement markings on I-196 from west of 32nd Avenue to east of Kenowa Avenue in the city of Hudsonville, Ottawa County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
123333A	1770018	N/A	IM 70024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$156,600.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0030	Culv, End, Rem, Less than 24 inch	2030005	3.000	Ea
0040	Culv, End, Rem, 24 inch to 48 inch	2030006	1.000	Ea
0050	Guardrail, Rem	2040035	1,253.000	Ft
0060	Gutter, Rem	2040040	402.000	Ft
0070	Embankment, CIP	2050010	5,304.000	Cyd
0080	Excavation, Earth	2050016	17,948.000	Cyd
0090	Subgrade Undercutting, Type II	2050041	200.000	Cyd
0100	Erosion Control, Check Dam, Stone	2080012	152.000	Ft
0110	Erosion Control, Sediment Trap	2080034	19.000	Ea
0120	Erosion Control, Silt Fence	2080036	716.000	Ft
0130	Project Cleanup	2090001	1.000	LSUM
0140	Subbase, CIP	3010002	17,058.000	Cyd
0150	Aggregate Base, 6 inch	3020016	22,800.000	Syd
0160	Shoulder, CI II, 5 inch, Temp	3070182	3,881.000	Syd
0170	Culv End Sect, 12 inch	4010012	6.000	Ea
0180	Culv, CI A, CSP, 15 inch	4010200	64.000	Ft
0190	Culv, CI A, CSP, 24 inch	4010202	16.000	Ft
0200	Culv, CI E, 12 inch	4010539	280.000	Ft
0210	Culv, Slp End Sect, 1 on 4, 15 inch, Longit	4010917	2.000	Ea
0220	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	1.000	Ea
0230	Dr Marker Post	4011109	9.000	Ea
0240	Dr Structure, 24 inch dia	4030200	1.000	Ea
0250	_ Dr Structure Cover, Type W, Modified	4037050	3.000	Ea
0260	Cold Milling HMA Surface	5010002	607.000	Syd
0270	HMA Surface, Rem	5010005	8,066.000	Syd

0280	Hand Patching	5010025	71.000	Ton
0290	HMA, Temp Pavt (4E3)	5010805	2,835.000	Ton
0300	HMA, Temp Pavt (5E3)	5010806	2,272.000	Ton
0310	Guardrail, Type T	8070002	489.000	Ft
0320	Guardrail Anch, Bridge, Det T1	8070022	2.000	Ea
0330	Guardrail Approach Terminal, Type 1T	8070041	3.000	Ea
0340	Guardrail Approach Terminal, Type 2T	8070043	1.000	Ea
0350	Guardrail Departing Terminal, Type T	8070051	1.000	Ea
0360	Guardrail Reflector	8070080	12.000	Ea
0370	_ Flexible Guardrail Delineator (White)	8077050	150.000	Ea
0380	_ Flexible Guardrail Delineator (Yellow)	8077050	150.000	Ea
0390	_ Field Office, CI 1, Modified	8097043	6.000	Mo
0400	_ Field Office, Utility Fees, Modified	8097060	5,000.000	Dlr
0410	Post, Steel, 3 lb	8100371	28.000	Ft
0420	Post, Wood, 6 inch by 8 inch	8100382	25.000	Ft
0430	Sign, Type II, Erect, Salv	8100396	1.000	Ea
0440	Sign, Type II, Rem	8100397	3.000	Ea
0450	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0460	Sign, Type III, Rem	8100403	1.000	Ea
0470	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	10,030.000	Ft
0480	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	33,320.000	Ft
0490	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	8110156	36,750.000	Ft
0500	Pavt Mrkg, Sprayable Thermopl, 12 inch, White	8110159	6,200.000	Ft
0510	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0520	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	Ea
0530	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	1.000	Ea
0540	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	1.000	Ea
0550	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	1.000	Ea
0560	Conc Barrier Reflector Replacement	8120070	20.000	Ea
0570	Conc Barrier, Temp, Adj	8120080	460.000	Ft
0580	Conc Barrier, Temp, Furn	8120081	960.000	Ft
0590	Conc Barrier, Temp, Oper	8120082	960.000	Ft
0600	High Intensity Light, Type B, Furn	8120110	1.000	Ea
0610	High Intensity Light, Type B, Oper	8120111	1.000	Ea
0620	Lighted Arrow, Type C, Furn	8120140	5.000	Ea
0630	Lighted Arrow, Type C, Oper	8120141	5.000	Ea
0640	Ltg for Night Work	8120160	1.000	LSUM
0650	Minor Traf Devices	8120170	1.000	LSUM
0660	Mobile Attenuator	8120180	2.000	Ea
0670	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	43,350.000	Ft
0680	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	6,200.000	Ft
0690	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	55,740.000	Ft
0700	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch,	8120236	36,650.000	Ft

	Yellow, Temp			
0710	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	85,690.000	Ft
0720	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	38,900.000	Ft
0730	Plastic Drum, Fluorescent, Furn	8120252	720.000	Ea
0740	Plastic Drum, Fluorescent, Oper	8120253	720.000	Ea
0750	Sign Cover	8120310	60.000	Ea
0760	Sign, Type A, Temp, Prismatic, Furn	8120340	50.000	Sft
0770	Sign, Type A, Temp, Prismatic, Oper	8120341	50.000	Sft
0780	Sign, Type B, Temp, Prismatic, Furn	8120350	3,380.000	Sft
0790	Sign, Type B, Temp, Prismatic, Oper	8120351	3,380.000	Sft
0800	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	450.000	Sft
0810	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	450.000	Sft
0820	_ Delineator, Flexible, Temp, Furn	8127050	110.000	Ea
0830	_ Delineator, Flexible, Temp, Oper	8127050	110.000	Ea
0840	_ Sign, Portable, Changeable Message,NTCIP-Compliant, Furn	8127050	3.000	Ea
0850	_ Sign, Portable, Changeable Message,NTCIP-Compliant, Oper	8127050	3.000	Ea
0860	Riprap, Plain	8130010	15.000	Syd
0870	Slope Restoration, Type A	8160100	28,252.000	Syd
0880	Slope Restoration, Type B	8160101	11,517.000	Syd
0890	Contractor Staking, Road Only	8240007	1.000	LSUM
0900	Staking Plan Errors and Extras, One Person	8240020	12.000	Hr
0910	Staking Plan Errors and Extras, Two Person	8240021	5.000	Hr
0920	Staking Plan Errors and Extras, Three Person	8240022	8.000	Hr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 012

Letting Date: December 1, 2017

Contract ID: 19031-116353

Description: 1.52 mi of hot mix asphalt cold milling, widening and resurfacing for addition of center, left-turn lane on Old US-27 from Stoll Road to just north of Clark Road, Clinton County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
116353A	1719015	N/A	HSIP 19031
200643A	N/A	N/A	M 19031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$129,300.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	397.000	Ft
0030	Pavt, Rem	2040050	3,108.000	Syd
0040	Sidewalk, Rem	2040055	400.000	Syd
0050	Embankment, CIP	2050010	196.000	Cyd
0060	Excavation, Earth	2050016	5,463.000	Cyd
0070	Non Haz Contaminated Material Handling and Disposal, LM	2050031	25.000	Cyd
0080	Subgrade Undercutting, Type II	2050041	500.000	Cyd
0090	_ Embankment, CIP, Special	2057021	2,367.000	Cyd
0100	Erosion Control, Gravel Access Approach	2080016	4.000	Ea
0110	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0120	Erosion Control, Silt Fence	2080036	1,507.000	Ft
0130	_ Erosion Control, Sediment Log	2087050	67.000	Ea
0140	Project Cleanup	2090001	1.000	LSUM
0150	Subbase, CIP	3010002	3,280.000	Cyd
0160	Aggregate Base, 6 inch	3020016	4,183.000	Syd
0170	Shoulder, CI II	3070121	215.000	Ton
0180	Geotextile, Stabilization	3080010	7,611.000	Syd
0190	Dr Marker Post	4011109	12.000	Ea
0200	Underdrain, Subbase, 6 inch	4040063	2,362.000	Ft
0210	Underdrain, Subgrade, 6 inch	4040073	200.000	Ft
0220	Underdrain Outlet, 6 inch	4040093	260.000	Ft
0230	Underdrain, Outlet Ending, 6 inch	4040113	12.000	Ea
0240	Pavt, Cleaning	5010001	1.000	LSUM
0250	Cold Milling HMA Surface	5010002	67,877.000	Syd
0260	HMA Surface, Rem	5010005	227.000	Syd

0270	HMA Quality Initiative	5010007	16,782.000	Dlr
0280	Longitudinal Joint Density Quality Initiative	5010018	19,860.000	Dlr
0290	Pavt Joint and Crack Repr, Det 7	5010020	556.000	Ft
0300	Pavt Joint and Crack Repr, Det 8	5010021	556.000	Ft
0310	Hand Patching	5010025	133.000	Ton
0320	HMA, 3E3	5010045	637.000	Ton
0330	HMA, 4E3	5010051	1,085.000	Ton
0340	HMA, 5E1	5010056	6,160.000	Ton
0350	HMA Approach	5010061	376.000	Ton
0360	Conc Base Cse, Nonreinf, 8 inch	6020019	8.000	Syd
0370	Lane Tie, Epoxy Anchored	6030030	12.000	Ea
0380	_ High Performance Biaxial Geogrid	7007011	18,089.000	Syd
0390	_ Pedestrian Ramp, Temp	8007050	6.000	Ea
0400	Curb and Gutter, Conc, Det B2	8020016	335.000	Ft
0410	Curb and Gutter, Conc, Det C5	8020024	30.000	Ft
0420	Shoulder Gutter, Conc, Det 1	8020055	1.000	Ea
0430	Shoulder Gutter, Conc, Det 2	8020056	3.000	Ea
0440	Spillway, Conc	8020075	29.000	Ft
0450	Detectable Warning Surface	8030010	20.000	Ft
0460	Sidewalk Ramp, Conc, 4 inch	8030034	200.000	Sft
0470	Sidewalk, Conc, 4 inch	8030044	200.000	Sft
0480	Fence, Protective	8080007	1,000.000	Ft
0490	Delineator, Reflective Sheeting, 3 inch by 12 inch, Green	8100144	4.000	Ea
0500	Delineator, Rem	8100349	13.000	Ea
0510	Post, Flexible, Delineator	8100360	4.000	Ea
0520	Post, Steel, 3 lb	8100371	120.000	Ft
0530	Sign, Type III, Rem	8100403	3.000	Ea
0540	Sign, Type IIIA	8100404	36.000	Sft
0550	Reflective Panel for Permanent Sign Support, 6 foot	8100616	8.000	Ea
0560	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	6.000	Ea
0570	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	4.000	Ea
0580	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	4.000	Ea
0590	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	250.000	Ft
0600	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	110.000	Ft
0610	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	16,960.000	Ft
0620	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	19,569.000	Ft
0630	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	18,181.000	Ft
0640	Witness, Log, \$1,000.00	8110350	1.000	Dlr
0650	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	16.000	Ea
0660	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	16.000	Ea
0670	Channelizing Device, 42 inch, Furn	8120030	340.000	Ea
0680	Channelizing Device, 42 inch, Oper	8120031	340.000	Ea
0690	Lighted Arrow, Type C, Furn	8120140	4.000	Ea

0700	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0710	Minor Traf Devices	8120170	1.000	LSUM
0720	Mobile Attenuator	8120180	1.000	Ea
0730	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	7,700.000	Ft
0740	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	6,300.000	Ft
0750	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	6,300.000	Ft
0760	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	11,700.000	Ft
0770	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	10,300.000	Ft
0780	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
0790	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
0800	Sign Cover	8120310	5.000	Ea
0810	Sign, Type A, Temp, Prismatic, Furn	8120340	40.000	Sft
0820	Sign, Type A, Temp, Prismatic, Oper	8120341	40.000	Sft
0830	Sign, Type B, Temp, Prismatic, Furn	8120350	1,780.000	Sft
0840	Sign, Type B, Temp, Prismatic, Oper	8120351	1,780.000	Sft
0850	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	90.000	Sft
0860	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	90.000	Sft
0870	Traf Regulator Control	8120370	1.000	LSUM
0880	_ Pedestrian Type II Barricade, Temp	8127050	2.000	Ea
0890	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	4.000	Ea
0900	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
0910	Riprap, Plain	8130010	83.000	Syd
0920	Slope Restoration, Type B	8160101	10.000	Syd
0930	_ Turf Establishment, Performance	8167011	4,771.000	Syd
0940	Traf Loop	8200170	2.000	Ea
0950	Monument Box	8210001	1.000	Ea
0960	Monument Box Adjust	8210005	1.000	Ea
0970	Monument Preservation	8210010	3.000	Ea
0980	Protect Corners	8210020	1.000	Ea
0990	Hydrant, Relocate, Case 1	8230095	1.000	Ea
1000	Gate Box, Adj, Case 1	8230431	1.000	Ea
1010	Gate Box, Adj, Case 2	8230432	1.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 013

Letting Date: December 1, 2017

Contract ID: 03072-124085

Description: 0.50 mi of HMA realignment and widening of intersections, concrete curb, gutter and culvert, sewer, drainage, traffic signals, signage and pavement markings on M-40 at 64th Street and Cabill Drive in the city of Holland, Allegan County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
124085A	1703012	N/A	ST 03072

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$119,600.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.230	Acre
0030	Tree, Rem, 6 inch to 18 inch	2020004	3.000	Ea
0040	Culv, End, Rem, Less than 24 inch	2030005	2.000	Ea
0050	Dr Structure, Rem	2030011	4.000	Ea
0060	Sewer, Rem, Less than 24 inch	2030015	48.000	Ft
0070	Curb and Gutter, Rem	2040020	1,293.000	Ft
0080	Guardrail, Rem	2040035	50.000	Ft
0090	Masonry and Conc Structure, Rem	2040045	50.000	Cyd
0100	Pavt, Rem	2040050	438.000	Syd
0110	Exploratory Investigation, Vertical	2040080	50.000	Ft
0120	Embankment, CIP	2050010	3,350.000	Cyd
0130	Excavation, Earth	2050016	20,871.000	Cyd
0140	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0150	Subgrade Undercutting, Type II	2050041	500.000	Cyd
0160	Obliterate Old Road	2070002	0.470	Acre
0170	Erosion Control, Check Dam, Stone	2080012	115.000	Ft
0180	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0190	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0200	Erosion Control, Sediment Basin	2080032	25.000	Cyd
0210	Erosion Control, Sediment Trap	2080034	12.000	Ea
0220	Erosion Control, Silt Fence	2080036	1,490.000	Ft
0230	_ Permeable Runoff Structure	2087001	140.000	Ft
0240	_ Erosion Control, Inlet Protection, Fabric Drop, Special	2087050	7.000	Ea
0250	Subbase, CIP	3010002	4,500.000	Cyd
0260	Aggregate Base, 6 inch	3020016	7,770.000	Syd

0270	Approach, CI II, 6 inch	3070028	40.000	Syd
0280	Shoulder, CI II, 6 inch	3070128	705.000	Syd
0290	Culv End Sect, Conc, 12 inch	4010047	3.000	Ea
0300	Culv End Sect, Conc, 18 inch	4010049	6.000	Ea
0310	Culv, CI A, 12 inch	4010131	10.000	Ft
0320	Culv, CI A, 18 inch	4010133	93.000	Ft
0330	Culv, Reinf Conc Ellip, HE CI IV, 63 inch by 98 inch	4010910	96.000	Ft
0340	_ Culv, Slp End Sect, Ellip Pipe, 1 on 4,63 inch by 98 inch, Transv	4017050	2.000	Ea
0350	Sewer, CI A, 12 inch, Tr Det B	4020033	41.000	Ft
0360	Sewer, CI A, 18 inch, Tr Det B	4020035	120.000	Ft
0370	Sewer Bulkhead, 24 inch	4021234	1.000	Ea
0380	Trench Undercut and Backfill	4021260	25.000	Cyd
0390	Video Taping Sewer and Culv Pipe	4021275	255.000	Ft
0400	Dr Structure Cover, Adj, Case 1	4030005	3.000	Ea
0410	Dr Structure Cover, Adj, Case 2	4030006	1.000	Ea
0420	Dr Structure Cover, Type C	4030015	4.000	Ea
0430	Dr Structure Cover, Type G	4030040	2.000	Ea
0440	Dr Structure, 48 inch dia	4030210	7.000	Ea
0450	Dr Structure, Tap, 18 inch	4030318	1.000	Ea
0460	Underdrain, Subbase, 6 inch	4040063	1,690.000	Ft
0470	Underdrain, Subgrade, 6 inch	4040073	150.000	Ft
0480	Underdrain Outlet, 6 inch	4040093	80.000	Ft
0490	Underdrain, Outlet Ending, 6 inch	4040113	7.000	Ea
0500	Cold Milling HMA Surface	5010002	14,022.000	Syd
0510	HMA Surface, Rem	5010005	4,690.000	Syd
0520	HMA Quality Initiative	5010007	6,910.000	Dlr
0530	Longitudinal Joint Density Quality Initiative	5010018	6,400.000	Dlr
0540	HMA, 4E3	5010051	849.000	Ton
0550	HMA, 4E3, High Stress	5010509	2,606.000	Ton
0560	_ Bypass Pumping	7047050	1.000	Ea
0570	_ Construction Dam	7047050	1.000	Ea
0580	_ Road Side Unit	8007050	1.000	Ea
0590	Curb and Gutter, Conc, Det B2	8020016	597.000	Ft
0600	Curb and Gutter, Conc, Det D2	8020031	390.000	Ft
0610	Shoulder Gutter, Conc, Det 2	8020056	1.000	Ea
0620	Spillway, Conc	8020075	28.000	Ft
0630	_ Curb and Gutter, Conc, Det D2, Modified	8027001	290.000	Ft
0640	Guardrail, Type B	8070000	300.000	Ft
0650	Guardrail Approach Terminal, Type 1B	8070040	2.000	Ea
0660	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0670	Guardrail Reflector	8070080	2.000	Ea
0680	Guardrail, Reconst, Type B	8070105	1,750.000	Ft
0690	Fdn, Wood Support, Rem	8100280	10.000	Ea
0700	Post, Steel, 3 lb	8100371	471.000	Ft

0710	Post, Wood, 4 inch by 6 inch	8100380	32.000	Ft
0720	Post, Wood, 6 inch by 8 inch	8100382	152.000	Ft
0730	Sign, Type IA	8100392	44.000	Sft
0740	Sign, Type II, Rem	8100397	7.000	Ea
0750	Sign, Type IIA	8100398	90.000	Sft
0760	Sign, Type IIB	8100399	12.000	Sft
0770	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0780	Sign, Type III, Rem	8100403	31.000	Ea
0790	Sign, Type IIIA	8100404	21.000	Sft
0800	Sign, Type IIIB	8100405	119.000	Sft
0810	Sign, Type VB	8100425	16.000	Sft
0820	Reflective Panel for Permanent Sign Support, 3 foot	8100613	4.000	Ea
0830	Reflective Panel for Permanent Sign Support, 6 foot	8100616	4.000	Ea
0840	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, White	8110039	100.000	Ft
0850	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	8110040	155.000	Ft
0860	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	250.000	Ft
0870	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	12.000	Ea
0880	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	4.000	Ea
0890	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	6.000	Ea
0900	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	8110078	2.000	Ea
0910	Pavt Mrkg, Waterborne, 4 inch, White	8110231	4,135.000	Ft
0920	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	8,820.000	Ft
0930	Pavt Mrkg, Waterborne, 6 inch, White	8110233	2,660.000	Ft
0940	Pavt Mrkg, Waterborne, 8 inch, White	8110235	500.000	Ft
0950	Pavt Mrkg, Waterborne, 12 inch, White	8110237	115.000	Ft
0960	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	4,135.000	Ft
0970	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	8,820.000	Ft
0980	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	2,660.000	Ft
0990	Pavt Mrkg, Waterborne, 2nd Application, 8 inch, White	8110255	500.000	Ft
1000	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	115.000	Ft
1010	Rem Spec Mrkg	8110343	203.000	Sft
1020	Recessing Pavt Mrkg, Longit	8110450	8,900.000	Ft
1030	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	16.000	Ea
1040	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	16.000	Ea
1050	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
1060	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
1070	Ltg for Night Work	8120160	1.000	LSUM
1080	Minor Traf Devices	8120170	1.000	LSUM
1090	Mobile Attenuator	8120180	1.000	Ea
1100	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	2,600.000	Ft
1110	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	2,400.000	Ft

1120	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,260.000	Ft
1130	Plastic Drum, High Intensity, Furn	8120250	60.000	Ea
1140	Plastic Drum, High Intensity, Oper	8120251	60.000	Ea
1150	Pavt Mrkg, Wet Reflective, Type R, Tape, Lt Turn Arrow	8120257	1.000	Ea
1160	Sign Cover	8120310	4.000	Ea
1170	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
1180	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
1190	Sign, Type A, Temp, Prismatic, Furn	8120340	35.000	Sft
1200	Sign, Type A, Temp, Prismatic, Oper	8120341	35.000	Sft
1210	Sign, Type B, Temp, Prismatic, Furn	8120350	1,150.000	Sft
1220	Sign, Type B, Temp, Prismatic, Oper	8120351	1,150.000	Sft
1230	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	210.000	Sft
1240	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	210.000	Sft
1250	Traf Regulator Control	8120370	1.000	LSUM
1260	_ Pavt Mrkg, Wet Reflective, Type R, Tape, 18 inch, Stop Bar	8127001	12.000	Ft
1270	_ Pavt Mrkg, Wet Reflective, Type R, Tape, Only	8127050	1.000	Ea
1280	Riprap, Plain	8130010	287.000	Syd
1290	Slope Restoration, Type A	8160100	18,169.000	Syd
1300	Slope Restoration, Type B	8160101	350.000	Syd
1310	Slope Restoration, Type C	8160102	458.000	Syd
1320	Slope Restoration, Type D	8160103	150.000	Syd
1330	Conduit, DB, 1, 1 1/2 inch	8190027	70.000	Ft
1340	Conduit, DB, 3, 3 inch	8190035	60.000	Ft
1350	Conduit, DB, 4, 3 inch	8190038	10.000	Ft
1360	Hh, Round, 3 foot dia	8190259	1.000	Ea
1370	Hh, Round	8190260	3.000	Ea
1380	Cable, Sec, 600V, 1, 3/C#6	8190399	100.000	Ft
1390	Conduit, Directional Bore, 1, 3 inch	8190602	100.000	Ft
1400	_ Conduit, DB, 1, 2 inch	8197001	10.000	Ft
1410	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	4.000	Ea
1420	Controller and Cabinet, Digital Type	8200031	1.000	Ea
1430	Controller Fdn, Base Mount	8200045	1.000	Ea
1440	Global Positioning System Module	8200050	2.000	Ea
1450	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	1.000	Ea
1460	Metered Serv	8200090	1.000	Ea
1470	Pedestal, Underground Serv, Metered	8200111	1.000	Ea
1480	Span Wire	8200140	4.000	Ea
1490	TS, One Way Span Wire Mtd (LED)	8200313	8.000	Ea
1500	TS, One Way Bracket Arm Mtd (LED)	8200333	1.000	Ea
1510	TS, Two Way Bracket Arm Mtd (LED)	8200335	1.000	Ea
1520	Bracket, Truss, With 18 Foot Arm	8200378	1.000	Ea
1530	Wireless Vehicle Detection System	8200422	1.000	Ea
1540	Wireless Vehicle Sensor Node	8200425	12.000	Ea

1550	Strain Pole, Steel, 6 bolt, 36 foot	8200461	4.000	Ea
1560	Strain Pole Fdn, 6 Bolt	8200470	60.000	Ft
1570	Casing	8200480	46.000	Ft
1580	Cellular Modem, TS, 4G	8200498	1.000	Ea
1590	Contractor Staking, Road Only	8240007	1.000	LSUM
1600	Staking Plan Errors and Extras, One Person	8240020	8.000	Hr
1610	Staking Plan Errors and Extras, Two Person	8240021	4.000	Hr
1620	Staking Plan Errors and Extras, Three Person	8240022	5.000	Hr
1630	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
1640	Managed Field Ethernet Switch, Layer 2	8260080	1.000	Ea
1650	Flowable Fill, Non-Structural	8260148	6.000	Cyd
1660	System Integration and Testing	8260160	1.000	LSUM



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Schedule of Pay Items

Report v1

Letting Call: 171201 014

Letting Date: December 1, 2017

Contract ID: 70013-113391

Description: 0.23 mi of removal of existing crossover and addition of indirect left and right turn lanes on US-31 at Barry Street, Ottawa County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
113391A	1800027	N/A	CM 70013

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$31,300.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0030	Ditch Cleanout	2050006	3.000	Sta
0040	Excavation, Earth	2050016	1,499.000	Cyd
0050	Subgrade Undercutting, Type II	2050041	300.000	Cyd
0060	_ Embankment, CIP, Special	2057021	1,279.000	Cyd
0070	Erosion Control, Check Dam, Stone	2080012	48.000	Ft
0080	Erosion Control, Inlet Protection, Fabric Drop	2080020	1.000	Ea
0090	Erosion Control, Sediment Trap	2080034	3.000	Ea
0100	Erosion Control, Silt Fence	2080036	43.000	Ft
0110	Aggregate Base, 6 inch	3020016	4,366.000	Syd
0120	Shoulder, CI II	3070121	223.000	Ton
0130	Culv End Sect, 12 inch	4010012	1.000	Ea
0140	Culv, CI E, Conc, 12 inch	4010573	65.000	Ft
0150	Culv, CI E, Conc, 24 inch	4010576	16.000	Ft
0160	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	2.000	Ea
0170	Dr Structure Cover, Adj, Case 1	4030005	1.000	Ea
0180	Dr Structure Cover, Type C	4030015	1.000	Ea
0190	Dr Structure Cover, Type G	4030040	1.000	Ea
0200	Dr Structure, 24 inch dia	4030200	1.000	Ea
0210	Dr Structure, 48 inch dia	4030210	1.000	Ea
0220	_ Perforated Sewer	4047001	25.000	Ft
0230	Cold Milling HMA Surface	5010002	418.000	Syd
0240	HMA Surface, Rem	5010005	2,337.000	Syd
0250	HMA Quality Initiative	5010007	2,992.000	Dlr
0260	Hand Patching	5010025	20.000	Ton
0270	HMA Approach	5010061	1,496.000	Ton
0280	Curb and Gutter, Conc, Det B2	8020016	395.000	Ft

0290	Shoulder Gutter, Conc, Det 2	8020056	3.000	Ea
0300	Spillway, Conc	8020075	29.000	Ft
0310	Sidewalk, Conc, 6 inch	8030046	275.000	Sft
0320	Delineator Reflector, Green	8100133	7.000	Ea
0330	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	4.000	Ea
0340	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	16.000	Ea
0350	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	14.000	Ea
0360	Perforated Steel Square Tube Breakaway System	8100330	2.000	Ea
0370	Delineator, Rem	8100349	8.000	Ea
0380	Post, Rigid, Delineator	8100361	37.000	Ea
0390	Post, Steel, 3 lb	8100371	686.000	Ft
0400	Post, Wood, 4 inch by 6 inch	8100380	36.000	Ft
0410	Sign, Type IIA	8100398	50.000	Sft
0420	Sign, Type IIB	8100399	9.000	Sft
0430	Sign, Type III, Erect, Salv	8100402	7.000	Ea
0440	Sign, Type III, Rem	8100403	11.000	Ea
0450	Sign, Type IIIA	8100404	80.000	Sft
0460	Sign, Type IIIB	8100405	85.000	Sft
0470	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	6.000	Ea
0480	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
0490	Pavt Mrkg, Polyurea, 4 inch, White	8110091	1,629.000	Ft
0500	Pavt Mrkg, Polyurea, 4 inch, Yellow	8110092	167.000	Ft
0510	Pavt Mrkg, Polyurea, 6 inch, White	8110094	2,148.000	Ft
0520	Pavt Mrkg, Polyurea, 6 inch, Yellow	8110095	2,039.000	Ft
0530	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, Yellow	8110109	152.000	Ft
0540	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	26.000	Ft
0550	Recessing Pavt Mrkg, Longit	8110450	6,135.000	Ft
0560	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0570	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0580	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0590	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0600	Minor Traf Devices	8120170	1.000	LSUM
0610	Plastic Drum, High Intensity, Furn	8120250	67.000	Ea
0620	Plastic Drum, High Intensity, Oper	8120251	67.000	Ea
0630	Sign Cover	8120310	4.000	Ea
0640	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0650	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0660	Sign, Type B, Temp, Prismatic, Furn	8120350	848.000	Sft
0670	Sign, Type B, Temp, Prismatic, Oper	8120351	848.000	Sft
0680	Riprap, Plain	8130010	20.000	Syd
0690	Slope Restoration, Type B	8160101	6,046.000	Syd
0700	Monument Box	8210001	1.000	Ea

0710	Monument Preservation	8210010	1.000	Ea
0720	Contractor Staking, Road Only	8240007	1.000	LSUM
0730	Staking Plan Errors and Extras, One Person	8240020	3.000	Hr
0740	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0750	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 015

Letting Date: December 1, 2017

Contract ID: 07013-120178

Description: 7.04 mi of hot mix asphalt cold milling and resurfacing, centerline corrugations and pavement markings on US-41 from Old US-41 north to the Baraga county line, Baraga County. This project includes a 3 year materials and workmanship pavement warranty and two 5 year materials and workmanship pavement warranties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
120178A	1800030	N/A	NH 07013

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$319,900.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	10.000	Ft
0030	Guardrail, Rem	2040035	777.000	Ft
0040	Embankment, LM	2050011	5.000	Cyd
0050	Excavation, Earth	2050016	10.000	Cyd
0060	_ Berm Grading	2057002	33.000	Sta
0070	Aggregate Base, 3 inch	3020008	35,115.000	Syd
0080	Shoulder, CI II	3070121	1,400.000	Ton
0090	Cold Milling HMA Surface	5010002	196,972.000	Syd
0100	Bump Grinding	5010004	120.000	Syd
0110	HMA Surface, Rem	5010005	5.000	Syd
0120	HMA Quality Initiative	5010007	69,994.000	Dlr
0130	Longitudinal Joint Density Quality Initiative	5010018	235,487.000	Dlr
0140	Pavt Joint and Crack Repr, Det 7	5010020	1,000.000	Ft
0150	Pavt Joint and Crack Repr, Det 8	5010021	120.000	Ft
0160	Hand Patching	5010025	250.000	Ton
0170	HMA, 4E3	5010051	12,121.000	Ton
0180	HMA, 5E3	5010057	11,668.000	Ton
0190	HMA Approach	5010061	100.000	Ton
0200	HMA, LVSP	5010703	10,858.000	Ton
0210	_ Ride Incentive	5017060	50,217.000	Dlr
0220	_ Permanent Traffic Recorder Loops Only	8007051	1.000	LSUM
0230	Curb and Gutter, Conc, Det B2	8020016	10.000	Ft
0240	Guardrail, Type B	8070000	789.000	Ft
0250	Guardrail, Curved, Type B	8070010	50.000	Ft
0260	Guardrail Approach Terminal, Type 1B	8070040	1.000	Ea
0270	Guardrail Reflector	8070080	87.000	Ea

0280	Guardrail Height, Adj	8070100	1,375.000	Ft
0290	Guardrail, Reconst, Type B	8070105	476.000	Ft
0300	Pavt Mrkg, Polyurea, Merge Arrow Symbol	8110107	4.000	Ea
0310	Pavt Mrkg, Waterborne, 4 inch, White	8110231	5,775.000	Ft
0320	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	33,517.000	Ft
0330	Pavt Mrkg, Waterborne, 6 inch, White	8110233	83,372.000	Ft
0340	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	5,775.000	Ft
0350	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	33,517.000	Ft
0360	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	83,372.000	Ft
0370	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0380	Recessing Pavt Mrkg, Longit	8110450	112,479.000	Ft
0390	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	35.000	Ea
0400	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	35.000	Ea
0410	Channelizing Device, 42 inch, Furn	8120030	800.000	Ea
0420	Channelizing Device, 42 inch, Oper	8120031	800.000	Ea
0430	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
0440	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
0450	Minor Traf Devices	8120170	1.000	LSUM
0460	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	30,297.000	Ft
0470	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	50,014.000	Ft
0480	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	4,990.000	Ft
0490	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	18,916.000	Ft
0500	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0510	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0520	Sign Cover	8120310	20.000	Ea
0530	Sign, Type B, Temp, Prismatic, Furn	8120350	2,634.000	Sft
0540	Sign, Type B, Temp, Prismatic, Oper	8120351	2,634.000	Sft
0550	Traf Regulator Control	8120370	1.000	LSUM
0560	Slope Restoration, Type A	8160100	20.000	Syd
0570	Monument Box Adjust	8210005	23.000	Ea
0580	Protect Corners	8210020	23.000	Ea
0590	Centerline Corrugations, Milled, HMA	8220013	37,090.000	Ft
0600	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	74,180.000	Ft
0610	Contractor Staking, Road Only	8240007	1.000	LSUM
0620	Staking Plan Errors and Extras, One Person	8240020	26.000	Hr
0630	Staking Plan Errors and Extras, Two Person	8240021	11.000	Hr
0640	Staking Plan Errors and Extras, Three Person	8240022	16.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 016

Letting Date: December 1, 2017

Contract ID: 31041-131828

Description: 26.72 mi of hot mix asphalt resurfacing, chip sealing, overband crack filling, aggregate base, drainage and permanent pavement markings on M-38 at various locations, Baraga County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131828A	1800013	N/A	ST 31041

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$219,800.00	1500001	1.000	LSUM
0020	Excavation, Earth	2050016	92.000	Cyd
0030	Subbase, CIP	3010002	65.000	Cyd
0040	Aggregate Base	3020001	450.000	Ton
0050	Aggregate Base, 8 inch	3020020	134.000	Syd
0060	Maintenance Gravel	3060020	5.000	Ton
0070	Shoulder, CI II	3070121	8,353.000	Ton
0080	Trenching	3070200	184.000	Sta
0090	_ Berm Grading	3077002	87.000	Sta
0100	Dr Marker Post	4011109	1.000	Ea
0110	Underdrain, Subbase, 6 inch	4040063	150.000	Ft
0120	Underdrain Outlet, 6 inch	4040093	25.000	Ft
0130	Underdrain, Outlet Ending, 6 inch	4040113	1.000	Ea
0140	Pavt, Cleaning	5010001	1.000	LSUM
0150	HMA Surface, Rem	5010005	6,134.000	Syd
0160	HMA Quality Initiative	5010007	2,492.000	Dlr
0170	Edge Trimming	5010009	18,400.000	Ft
0180	Hand Patching	5010025	45.000	Ton
0190	HMA, LVSP	5010703	1,201.000	Ton
0200	Overband Crack Fill, Lane	5020003	55.460	Lnmi
0210	Chip Seal, Double, Warranty	5050020	481,047.000	Syd
0220	Pavt Mrkg, Polyurea, Merge Arrow Symbol	8110107	2.000	Ea
0230	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,775.000	Ft
0240	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	98,371.000	Ft
0250	Pavt Mrkg, Waterborne, 6 inch, White	8110233	277,701.000	Ft
0260	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,775.000	Ft
0270	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	98,371.000	Ft

0280	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	277,701.000	Ft
0290	Rem Spec Mrkg	8110343	1,765.000	Sft
0300	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0310	Pavt Mrkg, Thermopl, Rumble Strip	8110470	672.000	Ft
0320	Protective Ovly, Snowmobile Trail Crossing	8110550	140.000	Syd
0330	_ Traffic Control	8127051	1.000	LSUM
0340	Fertilizer, Chemical Nutrient, CI A	8160020	10.000	Lb
0350	Mulch	8160025	1,655.000	Syd
0360	Mulch Anchoring	8160026	1,655.000	Syd
0370	Seeding, Mixture THV	8160040	10.000	Lb

Schedule of Pay Items

Report v1

Letting Call: 171201 017

Letting Date: December 1, 2017

Contract ID: 25091-116195

Description: 0.60 mi of hot mix asphalt cold milling, widening and resurfacing, earthwork, aggregate base, drainage, concrete curb, gutter, driveway and spillway, guardrail, and pavement markings on M-15 from south of Bristol Road north to south of Kitchen Road, Genesee County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
116195A	1800028	N/A	HSIP 25091
119943A	1800029	N/A	CM 25091

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$160,800.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.300	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	2.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	21.000	Ea
0050	Stump, Rem, 19 inch to 36 inch	2020006	1.000	Ea
0060	Stump, Rem, 6 inch to 18 inch	2020008	2.000	Ea
0070	Culv, Rem, Less than 24 inch	2030001	11.000	Ea
0080	Culv, End, Rem, Less than 24 inch	2030005	10.000	Ea
0090	Dr Structure, Rem	2030011	10.000	Ea
0100	Sewer, Rem, Less than 24 inch	2030015	802.000	Ft
0110	Curb and Gutter, Rem	2040020	978.000	Ft
0120	Guardrail, Rem	2040035	1,084.000	Ft
0130	Masonry and Conc Structure, Rem	2040045	8.000	Cyd
0140	Pavt, Rem	2040050	1,953.000	Syd
0150	Embankment, CIP	2050010	1,165.000	Cyd
0160	Excavation, Earth	2050016	8,270.000	Cyd
0170	Non Haz Contaminated Material Handling and Disposal, LM	2050031	200.000	Cyd
0180	Subgrade Undercutting, Type II	2050041	750.000	Cyd
0190	Erosion Control, Check Dam, Stone	2080012	408.000	Ft
0200	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0210	Erosion Control, Inlet Protection, Fabric Drop	2080020	27.000	Ea
0220	Erosion Control, Maintenance, Sediment Removal	2080026	60.000	Cyd
0230	Erosion Control, Sediment Basin	2080032	10.000	Cyd
0240	Erosion Control, Sediment Trap	2080034	23.000	Ea
0250	Erosion Control, Silt Fence	2080036	2,540.000	Ft
0260	Subbase, CIP	3010002	4,863.000	Cyd

0270	Aggregate Base, 6 inch	3020016	10,000.000	Syd
0280	Maintenance Gravel, LM	3060021	500.000	Cyd
0290	Approach, CI I, 6 inch	3070008	2,637.000	Syd
0300	Approach, CI I, 8 inch	3070010	134.000	Syd
0310	Approach, CI II	3070021	13.000	Ton
0320	_ Shoulder, CI II, 6.5 inch, Modified	3077011	561.000	Syd
0330	Culv End Sect, 12 inch	4010012	6.000	Ea
0340	Culv End Sect, 15 inch	4010015	1.000	Ea
0350	Culv End Sect, 18 inch	4010018	2.000	Ea
0360	Culv, CI F, 18 inch	4010609	108.000	Ft
0370	Culv, Downspout, 12 inch	4010795	77.000	Ft
0380	Culv, Downspout, 18 inch	4010797	64.000	Ft
0390	Culv, Slp End Sect, 1 on 6, 18 inch, Longit	4010951	11.000	Ea
0400	Culv, Slp End Sect, 1 on 6, 36 inch, Longit	4010961	1.000	Ea
0410	Dr Marker Post	4011109	34.000	Ea
0420	Outfall Label	4011115	1.000	Ea
0430	Sewer, CI A, 12 inch, Tr Det B	4020033	360.000	Ft
0440	Sewer, CI A, 18 inch, Tr Det B	4020035	391.000	Ft
0450	Sewer, CI A, 36 inch, Tr Det B	4020038	758.000	Ft
0460	Sewer, CI E, 12 inch, Tr Det B	4020600	469.000	Ft
0470	Sewer, CI E, 15 inch, Tr Det B	4020601	60.000	Ft
0480	Sewer, CI E, 18 inch, Tr Det B	4020602	236.000	Ft
0490	Video Taping Sewer and Culv Pipe	4021275	2,338.000	Ft
0500	Dr Structure Cover, Type B	4030010	2.000	Ea
0510	Dr Structure Cover, Type C	4030015	1.000	Ea
0520	Dr Structure Cover, Type D	4030025	1.000	Ea
0530	Dr Structure Cover, Type G	4030040	7.000	Ea
0540	Dr Structure Cover, Type J	4030045	15.000	Ea
0550	Dr Structure, 24 inch dia	4030200	3.000	Ea
0560	Dr Structure, 48 inch dia	4030210	18.000	Ea
0570	Dr Structure, 60 inch dia	4030220	5.000	Ea
0580	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	1.000	Ft
0590	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	6.000	Ft
0600	Dr Structure, Tap, 6 inch	4030306	3.000	Ea
0610	Underdrain, Subbase, 6 inch	4040063	5,445.000	Ft
0620	Underdrain, Subgrade, 6 inch	4040073	700.000	Ft
0630	Underdrain Outlet, 6 inch	4040093	390.000	Ft
0640	Underdrain, Outlet Ending, 6 inch	4040113	19.000	Ea
0650	Pavt, Cleaning	5010001	1.000	LSUM
0660	Cold Milling HMA Surface	5010002	8,297.000	Syd
0670	HMA Surface, Rem	5010005	7,221.000	Syd
0680	HMA Quality Initiative	5010007	7,284.000	Dlr
0690	Longitudinal Joint Density Quality Initiative	5010018	22,840.000	Dlr

0700	Pavt Joint and Crack Repr, Det 7	5010020	900.000	Ft
0710	Pavt Joint and Crack Repr, Det 8	5010021	900.000	Ft
0720	Hand Patching	5010025	399.000	Ton
0730	HMA, 3E3	5010045	1,452.000	Ton
0740	HMA, 4E3	5010051	971.000	Ton
0750	HMA, 5E3	5010057	1,318.000	Ton
0760	HMA Approach	5010061	717.000	Ton
0770	Cement	6030005	9.000	Ton
0780	Conc, Grade S2	7060011	6.000	Cyd
0790	Reinforcement, Steel, Culv and Headwall	7060091	260.000	Lb
0800	Driveway, Nonreinf Conc, 6 inch	8010005	120.000	Syd
0810	Curb and Gutter, Conc, Det B2	8020016	2,798.000	Ft
0820	Curb and Gutter, Conc, Det D2	8020031	605.000	Ft
0830	Driveway Opening, Conc, Det M	8020050	126.000	Ft
0840	Shoulder Gutter, Conc, Det 2	8020056	5.000	Ea
0850	Downspout Header, Conc	8020070	3.000	Ea
0860	Spillway, Conc	8020075	27.000	Ft
0870	Guardrail, Type MGS-8	8070004	589.000	Ft
0880	Guardrail, Curved, Type B	8070010	75.000	Ft
0890	Guardrail Approach Terminal, Type 1B	8070040	4.000	Ea
0900	Guardrail Approach Terminal, Type 2B	8070042	1.000	Ea
0910	Guardrail Departing Terminal, Type B	8070050	3.000	Ea
0920	Guardrail Reflector	8070080	34.000	Ea
0930	Post, Mailbox	8070095	31.000	Ea
0940	Delineator Reflector, Green	8100133	31.000	Ea
0950	Fdn, Wood Support, Rem	8100280	2.000	Ea
0960	Delineator, Rem	8100349	3.000	Ea
0970	Post, Rigid, Delineator	8100361	31.000	Ea
0980	Post, Steel, 3 lb	8100371	403.000	Ft
0990	Post, Wood, 4 inch by 6 inch	8100380	32.000	Ft
1000	Sign, Type II, Erect, Salv	8100396	1.000	Ea
1010	Sign, Type II, Rem	8100397	1.000	Ea
1020	Sign, Type III, Erect, Salv	8100402	21.000	Ea
1030	Sign, Type III, Rem	8100403	18.000	Ea
1040	Sign, Type IIIB	8100405	81.000	Sft
1050	Reflective Panel for Permanent Sign Support, 6 foot	8100616	8.000	Ea
1060	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	4.000	Ea
1070	Recessing Pavt Mrkg, Longit	8110450	14,291.000	Ft
1080	Pavt Mrkg, Wet Retrflc Polyurea, 4 inch, White	8110500	364.000	Ft
1090	Pavt Mrkg, Wet Retrflc Polyurea, 6 inch, White	8110501	5,997.000	Ft
1100	Pavt Mrkg, Wet Retrflc Polyurea, 4 inch, Yellow	8110504	7,930.000	Ft
1110	Channelizing Device, 42 inch, Furn	8120030	46.000	Ea
1120	Channelizing Device, 42 inch, Oper	8120031	46.000	Ea
1130	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
1140	Lighted Arrow, Type C, Oper	8120141	2.000	Ea

1150	Ltg for Night Work	8120160	1.000	LSUM
1160	Minor Traf Devices	8120170	1.000	LSUM
1170	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	9,570.000	Ft
1180	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	6,380.000	Ft
1190	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	6,380.000	Ft
1200	Plastic Drum, High Intensity, Furn	8120250	92.000	Ea
1210	Plastic Drum, High Intensity, Oper	8120251	92.000	Ea
1220	Sign Cover	8120310	4.000	Ea
1230	Sign, Type B, Temp, Prismatic, Furn	8120350	752.000	Sft
1240	Sign, Type B, Temp, Prismatic, Oper	8120351	752.000	Sft
1250	Traf Regulator Control	8120370	1.000	LSUM
1260	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	4.000	Ea
1270	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
1280	Riprap, Plain	8130010	99.000	Syd
1290	Site Preparation, Max \$200.00	8150001	1.000	LSUM
1300	Watering and Cultivating, First Season, Min \$100.00	8150002	1.000	LSUM
1310	Watering and Cultivating, Second Season, Min \$100.00	8150003	1.000	LSUM
1320	Amelanchier canadensis, clump form, 6 foot	8150316	1.000	Ea
1330	Forsythia x intermedia 'Lynwood Gold', #5 cont.	8151494	3.000	Ea
1340	Picea abies, 4 foot	8152740	1.000	Ea
1350	Syringa vulgaris, #5 cont.	8153730	3.000	Ea
1360	_ Turf Establishment, Performance	8167011	8,365.000	Syd
1370	Monument Box	8210001	1.000	Ea
1380	Monument Preservation	8210010	1.000	Ea
1390	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	5,995.000	Ft
1400	Contractor Staking, Road Only	8240007	1.000	LSUM
1410	Staking Plan Errors and Extras, One Person	8240020	13.000	Hr
1420	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
1430	Staking Plan Errors and Extras, Three Person	8240022	8.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 018

Letting Date: December 1, 2017

Contract ID: 51012-200094

Description: 0.11 mi of retaining wall construction and shoulder work on US-31 at Highland Drive, Manistee County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200094A	1800032	N/A	NH 51012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$79,700.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.160	Acre
0030	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0040	Dr Structure, Rem	2030011	1.000	Ea
0050	Guardrail, Rem	2040035	625.000	Ft
0060	Masonry and Conc Structure, Rem	2040045	2.000	Cyd
0070	Structures, Rem Portions	2040061	1.000	LSUM
0080	Excavation, Earth	2050016	631.000	Cyd
0090	Granular Material, CI II	2050023	586.000	Cyd
0100	Erosion Control, Silt Fence	2080036	400.000	Ft
0110	Erosion Control, Turbidity Curtain, Shallow	2080044	600.000	Ft
0120	_ Straw Wattle	2087001	430.000	Ft
0130	Aggregate Base, 6 inch	3020016	566.000	Syd
0140	Shoulder, CI II	3070121	5.000	Ton
0150	Culv, Downspout, 15 inch	4010796	55.000	Ft
0160	HMA Surface, Rem	5010005	564.000	Syd
0170	HMA, LVSP	5010703	151.000	Ton
0180	Conc, Grade P1	6020030	1.000	Cyd
0190	Steel Sheet Piling, Permanent	7040001	16,255.000	Sft
0200	Structural Steel, Rolled Shape, Erect	7070070	20,093.000	Lb
0210	Structural Steel, Rolled Shape, Furn and Fab	7070071	20,093.000	Lb
0220	Curb and Gutter, Conc, Det D2	8020031	525.000	Ft
0230	Downspout Header, Conc	8020070	2.000	Ea
0240	Guardrail, Type MGS-8	8070004	413.000	Ft
0250	Guardrail Approach Terminal, Type 1B	8070040	1.000	Ea
0260	Guardrail Approach Terminal, Type 2B	8070042	3.000	Ea
0270	Guardrail Reflector	8070080	18.000	Ea
0280	Fence, Woven Wire with Steel Post	8080002	407.000	Ft
0290	Delineator Reflector, Green	8100133	4.000	Ea

0300	Post, Rigid, Delineator	8100361	4.000	Ea
0310	Post, Steel, 3 lb	8100371	14.000	Ft
0320	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0330	Sign, Type III, Rem	8100403	1.000	Ea
0340	Pavt Mrkg, Regular Dry, 4 inch, Yellow	8110126	676.000	Ft
0350	Pavt Mrkg, Regular Dry, 6 inch, White	8110127	1,485.000	Ft
0360	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0370	Barricade, Type III, High Intensity, Lighted, Furn	8120022	3.000	Ea
0380	Barricade, Type III, High Intensity, Lighted, Oper	8120023	3.000	Ea
0390	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	1.000	Ea
0400	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	1.000	Ea
0410	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	1.000	Ea
0420	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	1.000	Ea
0430	Conc Barrier, Temp, Furn	8120081	750.000	Ft
0440	Conc Barrier, Temp, Oper	8120082	750.000	Ft
0450	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0460	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0470	Minor Traf Devices	8120170	1.000	LSUM
0480	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,566.000	Ft
0490	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	1,720.000	Ft
0500	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0510	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0520	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	24.000	Ft
0530	PTS System, Temp, Furn	8120270	1.000	Ea
0540	PTS System, Temp, Oper	8120271	1.000	Ea
0550	Sign Cover	8120310	2.000	Ea
0560	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0570	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0580	Sign, Type A, Temp, Prismatic, Furn	8120340	12.000	Sft
0590	Sign, Type A, Temp, Prismatic, Oper	8120341	12.000	Sft
0600	Sign, Type B, Temp, Prismatic, Furn	8120350	507.000	Sft
0610	Sign, Type B, Temp, Prismatic, Oper	8120351	507.000	Sft
0620	Traf Regulator Control	8120370	1.000	LSUM
0630	_ Delineator, Flexible, Temp, Furn	8127050	15.000	Ea
0640	_ Delineator, Flexible, Temp, Oper	8127050	15.000	Ea
0650	_ Driveway Assistance Device, Portable, Temp	8127050	2.000	Ea
0660	_ Riprap, Fieldstone	8137031	965.000	Ton
0670	Fertilizer, Chemical Nutrient, CI A	8160020	59.000	Lb
0680	Mulch Blanket, High Velocity	8160028	1,237.000	Syd
0690	Seeding, Mixture TDS	8160037	57.000	Lb
0700	Topsoil Surface, Furn, 4 inch	8160062	1,237.000	Syd
0710	Contractor Staking, Road Only	8240007	1.000	LSUM
0720	Staking Plan Errors and Extras, One Person	8240020	7.000	Hr

0730	Staking Plan Errors and Extras, Two Person	8240021	3.000	Hr
0740	Staking Plan Errors and Extras, Three Person	8240022	5.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 019

Letting Date: December 1, 2017

Contract ID: 72061-119051

Description: Deep overlay, full-depth patching, joint replacement, pin and hanger replacement, full painting and approach work on M-18 over I-75, Roscommon County. This project includes a 2 year surface coating warranty and a 2 year bridge painting warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
119051A	1800035	N/A	IM 72061

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$175,200.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	140.000	Ft
0030	Guardrail, Rem	2040035	1,450.000	Ft
0040	Embankment, LM	2050011	12.000	Cyd
0050	Excavation, Earth	2050016	205.000	Cyd
0060	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0070	Erosion Control, Silt Fence	2080036	200.000	Ft
0080	Approach, CI I	3070001	267.000	Ton
0090	Shoulder, CI II	3070121	19.000	Ton
0100	_ Culv, Downspout, 8 inch	4017001	6.000	Ft
0110	HMA Surface, Rem	5010005	1,271.000	Syd
0120	HMA Quality Initiative	5010007	550.000	Dlr
0130	HMA Approach	5010061	275.000	Ton
0140	Conc Pavt, Curing Horizontal Surfaces	6020159	380.000	Syd
0150	Joint, Expansion, E3	6020208	100.000	Ft
0160	Conc Pavt, Bridge Approach, Reinf	6020600	190.000	Syd
0170	Bridge Railing, Thrie Beam Retrofit	7110006	950.000	Ft
0180	Curb and Gutter, Bridge Approach	8020010	120.000	Ft
0190	Downspout Header, Conc	8020070	2.000	Ea
0200	Guardrail, Type B	8070000	351.000	Ft
0210	Guardrail Anch, Bridge, Det A2	8070021	4.000	Ea
0220	Guardrail Reflector	8070080	56.000	Ea
0230	Fdn, Wood Support, Rem	8100280	4.000	Ea
0240	Post, Steel, 3 lb	8100371	14.000	Ft
0250	Post, Wood, 4 inch by 6 inch	8100380	68.000	Ft
0260	Sign, Type II, Erect, Salv	8100396	2.000	Ea
0270	Sign, Type II, Rem	8100397	2.000	Ea

0280	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0290	Sign, Type III, Rem	8100403	2.000	Ea
0300	Pavt Mrkg, Waterborne, 4 inch, White	8110231	750.000	Ft
0310	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	250.000	Ft
0320	Pavt Mrkg, Waterborne, 6 inch, White	8110233	5,000.000	Ft
0330	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	1,500.000	Ft
0340	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	750.000	Ft
0350	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	250.000	Ft
0360	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	5,000.000	Ft
0370	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	1,500.000	Ft
0380	Barricade, Type III, High Intensity, Lighted, Furn	8120022	4.000	Ea
0390	Barricade, Type III, High Intensity, Lighted, Oper	8120023	4.000	Ea
0400	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	4.000	Ea
0410	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	4.000	Ea
0420	Conc Barrier Ending, Temp, Detail 5, Adj	8120060	2.000	Ea
0430	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	2.000	Ea
0440	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	2.000	Ea
0450	Conc Barrier, Temp, Adj	8120080	3,600.000	Ft
0460	Conc Barrier, Temp, Furn	8120081	3,600.000	Ft
0470	Conc Barrier, Temp, Oper	8120082	3,600.000	Ft
0480	High Intensity Light, Type B, Furn	8120110	2.000	Ea
0490	High Intensity Light, Type B, Oper	8120111	2.000	Ea
0500	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0510	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0520	Minor Traf Devices	8120170	1.000	LSUM
0530	Mobile Attenuator	8120180	2.000	Ea
0540	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	2,300.000	Ft
0550	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	8,400.000	Ft
0560	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	10,400.000	Ft
0570	Plastic Drum, Fluorescent, Furn	8120252	150.000	Ea
0580	Plastic Drum, Fluorescent, Oper	8120253	150.000	Ea
0590	PTS System, Temp, Furn	8120270	1.000	Ea
0600	PTS System, Temp, Oper	8120271	1.000	Ea
0610	Sign Cover	8120310	12.000	Ea
0620	Sign, Type A, Temp, Prismatic, Furn	8120340	12.000	Sft
0630	Sign, Type A, Temp, Prismatic, Oper	8120341	12.000	Sft
0640	Sign, Type B, Temp, Prismatic, Furn	8120350	1,675.000	Sft
0650	Sign, Type B, Temp, Prismatic, Oper	8120351	1,675.000	Sft
0660	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	64.000	Sft
0670	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	64.000	Sft
0680	Riprap, Plain	8130010	25.000	Syd
0690	Fertilizer, Chemical Nutrient, CI A	8160020	88.000	Lb
0700	Mulch Blanket	8160027	1,850.000	Syd

0710	Seeding, Mixture TDS	8160037	85.000	Lb
0720	Topsoil Surface, Furn, 4 inch	8160062	1,850.000	Syd

Section: 2

0730	HMA Patch, Rem	5010006	5.000	Syd
0740	Conc, Grade D	7060010	62.000	Cyd
0750	Expansion Joint Device	7060050	322.000	Ft
0760	False Decking	7060060	11,820.000	Sft
0770	Reinforcement, Steel, Epoxy Coated	7060092	9,807.000	Lb
0780	Bushing	7070030	168.000	Ea
0790	Joint Waterproofing	7100001	146.000	Sft
0800	Conc Surface Coating, Warranty (S11 of 72061)	7100009	1.000	LSUM
0810	Scarifying	7120001	2,504.000	Syd
0820	Hand Chipping, Other Than Deck	7120007	23.000	Cft
0830	Patch, Full Depth	7120010	14.000	Cyd
0840	Patch, Forming	7120017	69.000	Sft
0850	Bridge Deck Surface Construction	7120025	2,504.000	Syd
0860	Structures, Rehabilitation, Rem Portions (S11 of 72061)	7120070	1.000	LSUM
0870	Deck Joint, Rem	7120071	316.000	Ft
0880	Hydrodemolition, First Pass	7120076	2,504.000	Syd
0890	Hydrodemolition, Second Pass	7120077	251.000	Syd
0900	Patching Conc, C-L	7120112	1.000	Cyd
0910	Embedded Galvanic Anode	7120120	400.000	Ea
0920	_ Hand Chipping, Full Depth	7127020	364.000	Cft
0930	_ Conc, Deep Bridge Deck Ovly	7127021	296.000	Cyd
0940	Beam Plate, Seal Perimeter	7130010	230.000	Ft
0950	Hanger Assembly, Field Measurement	7130030	42.000	Ea
0960	Hanger Assembly, Rem and Erect	7130031	42.000	Ea
0970	Structural Steel, Furn and Fab, Pin and Hanger	7130070	13,945.000	Lb
0980	Structural Steel, Welded Repair, Furn, Fab, and Erect	7130072	563.000	Lb
0990	Support, Suspension, Temp	7130082	42.000	Ea
1000	Steel Structure, Cleaning, Type 4 (S11 of 72061)	7150045	1.000	LSUM
1010	Steel Structure, Coating, Type 4 (S11 of 72061)	7150046	1.000	LSUM
1020	Field Repair of Damaged Coating (S11 of 72061)	7160001	1.000	LSUM



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Schedule of Pay Items

Report v1

Letting Call: 171201 020

Letting Date: December 1, 2017

Contract ID: 33171-120385

Description: 3.12 mi of median cable barrier and guardrail installation on US-127 from I-496 to north of the Ingham/Clinton county line in the cities of Lansing and East Lansing, Ingham and Clinton Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
120385A	1800037	N/A	HSIP 33171

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$57,200.00	1500001	1.000	LSUM
0020	Culv, End, Rem, Less than 24 inch	2030005	2.000	Ea
0030	Guardrail, Rem	2040035	694.000	Ft
0040	_ Station Grading	2057002	27.000	Sta
0050	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0060	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0070	Erosion Control, Inlet Protection, Sediment Trap	2080024	4.000	Ea
0080	Erosion Control, Maintenance, Sediment Removal	2080026	25.000	Cyd
0090	Erosion Control, Silt Fence	2080036	300.000	Ft
0100	_ Permeable Runoff Structure	2087001	120.000	Ft
0110	Project Cleanup	2090001	1.000	LSUM
0120	Shoulder, CI II	3070121	100.000	Ton
0130	Culv End Sect, Metal, 12 inch	4010094	1.000	Ea
0140	Culv End Sect, Metal, 18 inch	4010096	1.000	Ea
0150	Culv, CI A, CSP, 12 inch	4010199	6.000	Ft
0160	Culv, CI A, CSP, 18 inch	4010201	4.000	Ft
0170	Dr Marker Post	4011109	11.000	Ea
0180	Underdrain Outlet, 6 inch	4040093	110.000	Ft
0190	Underdrain, Outlet Ending, 6 inch	4040113	11.000	Ea
0200	Pavt, Cleaning	5010001	1.000	LSUM
0210	Guardrail, Type T	8070002	3,613.000	Ft
0220	Guardrail, Type TD	8070003	1,438.000	Ft
0230	Guardrail, Backed, Det G3	8070017	8.000	Ea
0240	Guardrail Approach Terminal, Type 3T	8070039	1.000	Ea
0250	Guardrail Approach Terminal, Type 2T	8070043	4.000	Ea
0260	Guardrail Departing Terminal, Type T	8070051	4.000	Ea
0270	Guardrail Reflector	8070080	137.000	Ea
0280	Cable, 1000 ft Spool	8070250	3.000	Ea

0290	Cable Barrier, Intermediate Line Post	8070251	103.000	Ea
0300	Cable Barrier, Misc Hardware, Intermediate Line Post	8070252	103.000	Ea
0310	Cable Barrier, Modified Line Post and Hardware	8070253	5.000	Ea
0320	Cable Barrier, Driven Socket	8070255	60.000	Ea
0330	Cable Barrier, Turnbuckle	8070256	4.000	Ea
0340	Cable Barrier, Reflector	8070257	45.000	Ea
0350	Cable Barrier, Excluder Cap	8070258	103.000	Ea
0360	Cable Barrier, Wedge Lock Fitting	8070259	3.000	Ea
0370	Cable Barrier, Cable Splice Kit	8070260	12.000	Ea
0380	Cable Barrier, High Tension, Repair Labor	8070262	10,000.000	Dlr
0390	Cable Barrier, High Tension, Maintenance Kit	8070270	1.000	Ea
0400	_ Cable Barrier, High Tension, 3-Cable, Gibraltar TL-4, Driven Socket	8077001	10,710.000	Ft
0410	_ Cable Barrier Terminal, Driven, High Tension, 3-Cable, Gibraltar TL-4	8077050	8.000	Ea
0420	_ Cable Barrier Terminal, Driven, Materials	8077050	2.000	Ea
0430	Delineator Reflector, Red	8100131	12.000	Ea
0440	Delineator Reflector, Yellow	8100132	24.000	Ea
0450	Delineator Reflector, Green	8100133	37.000	Ea
0460	Delineator Reflector, White	8100134	2.000	Ea
0470	Post, Rigid, Delineator	8100361	63.000	Ea
0480	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0490	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0500	Lighted Arrow, Type C, Standby	8120142	1.000	Ea
0510	Minor Traf Devices	8120170	1.000	LSUM
0520	Mobile Attenuator	8120180	2.000	Ea
0530	Plastic Drum, High Intensity, Furn	8120250	420.000	Ea
0540	Plastic Drum, High Intensity, Oper	8120251	420.000	Ea
0550	Sign Cover	8120310	4.000	Ea
0560	Sign, Type B, Temp, Prismatic, Furn	8120350	1,056.000	Sft
0570	Sign, Type B, Temp, Prismatic, Oper	8120351	1,056.000	Sft
0580	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	42.000	Sft
0590	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	42.000	Sft
0600	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	3.000	Ea
0610	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	3.000	Ea
0620	Slope Restoration, Type A	8160100	3,567.000	Syd
0630	Slope Restoration, Type B	8160101	1,733.000	Syd
0640	Contractor Staking, Road Only	8240007	1.000	LSUM
0650	Staking Plan Errors and Extras, One Person	8240020	5.000	Hr
0660	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0670	Staking Plan Errors and Extras, Three Person	8240022	3.000	Hr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 021

Letting Date: December 1, 2017

Contract ID: 12021-108712

Description: 9.91 mi of hot mix asphalt cold milling, resurfacing and roadway reconstruction, chip sealing, bridge removal, concrete curb and gutter, guardrail, drainage, signing and pavement markings on US-12 over the Indiana Northeastern Railroad and on US-12 from the city of Bronson east to the city of Coldwater, Branch County. This project contains a 3 year materials and workmanship pavement warranty and a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
108712A	1800045	N/A	ST 12021
131593A	1800038	N/A	NH 12021

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$295,300.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.260	Acre
0030	Tree, Rem, 6 inch to 18 inch	2020004	2.000	Ea
0040	Dr Structure, Rem	2030011	4.000	Ea
0050	Sewer, Rem, Less than 24 inch	2030015	470.000	Ft
0060	Fence, Rem	2040025	128.000	Ft
0070	Guardrail, Rem	2040035	2,100.000	Ft
0080	Pavt, Rem	2040050	4,694.000	Syd
0090	Embankment, CIP	2050010	16,375.000	Cyd
0100	Excavation, Earth	2050016	7,389.000	Cyd
0110	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0120	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	12.000	Ea
0140	Erosion Control, Silt Fence	2080036	2,350.000	Ft
0150	Subbase, CIP	3010002	3,130.000	Cyd
0160	Aggregate Base, 6 inch	3020016	5,600.000	Syd
0170	Shoulder, CI III	3070141	470.000	Ton
0180	Sewer, CI A, 12 inch, Tr Det B	4020033	696.000	Ft
0190	Sewer Tap, 12 inch	4021204	2.000	Ea
0200	Video Taping Sewer and Culv Pipe	4021275	696.000	Ft
0210	Dr Structure Cover, Type C	4030015	8.000	Ea
0220	Dr Structure, 48 inch dia	4030210	8.000	Ea
0230	Underdrain, Subbase, 6 inch	4040063	2,100.000	Ft
0240	Underdrain Outlet, 6 inch	4040093	130.000	Ft

0250	Underdrain, Outlet Ending, 6 inch	4040113	8.000	Ea
0260	Cold Milling HMA Surface	5010002	139,165.000	Syd
0270	HMA Surface, Rem	5010005	4,470.000	Syd
0280	HMA Quality Initiative	5010007	27,670.000	Dlr
0290	Longitudinal Joint Density Quality Initiative	5010018	60,066.000	Dlr
0300	Hand Patching	5010025	10.000	Ton
0310	HMA, 3E3	5010045	810.000	Ton
0320	HMA, 4E3	5010051	550.000	Ton
0330	HMA, 5E3	5010057	12,465.000	Ton
0340	HMA, LVSP	5010703	5,280.000	Ton
0350	Overband Crack Fill, Lane	5020003	18.540	Lnmi
0360	_ Seal, Fog	5057011	108,768.000	Syd
0370	_ Seal, Shoulder Chip, Modified	5057011	108,768.000	Syd
0380	Curb and Gutter, Conc, Det D2	8020031	2,100.000	Ft
0390	Guardrail, Type B	8070000	2,100.000	Ft
0400	Fence, Woven Wire with Steel Post	8080002	120.000	Ft
0410	Post, Steel, 3 lb	8100371	28.000	Ft
0420	Sign, Type III, Rem	8100403	4.000	Ea
0430	Sign, Type IIIB	8100405	10.000	Sft
0440	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0450	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
0460	Pavt Mrkg, Waterborne, 4 inch, White	8110231	32,460.000	Ft
0470	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	77,203.000	Ft
0480	Pavt Mrkg, Waterborne, 6 inch, White	8110233	101,600.000	Ft
0490	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	32,460.000	Ft
0500	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	77,203.000	Ft
0510	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	101,600.000	Ft
0520	Witness, Log, \$1,000.00	8110350	2,000.000	Dlr
0530	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	22.000	Ea
0540	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	22.000	Ea
0550	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0560	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0570	Minor Traf Devices	8120170	1.000	LSUM
0580	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	8,210.000	Ft
0590	Plastic Drum, High Intensity, Furn	8120250	630.000	Ea
0600	Plastic Drum, High Intensity, Oper	8120251	630.000	Ea
0610	Sign Cover	8120310	24.000	Ea
0620	Sign, Type B, Temp, Prismatic, Furn	8120350	1,505.000	Sft
0630	Sign, Type B, Temp, Prismatic, Oper	8120351	1,505.000	Sft
0640	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	196.000	Sft
0650	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	196.000	Sft
0660	Traf Regulator Control	8120370	1.000	LSUM
0670	_ Sign, Portable, Changeable Message, NTCIP-	8127050	4.000	Ea

	Compliant, Furn			
0680	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
0690	Fertilizer, Chemical Nutrient, CI A	8160020	305.000	Lb
0700	Mulch	8160025	2,130.000	Syd
0710	Mulch Anchoring	8160026	2,130.000	Syd
0720	Mulch Blanket	8160027	620.000	Syd
0730	Mulch Blanket, High Velocity	8160028	3,725.000	Syd
0740	Seeding, Mixture THV	8160040	295.000	Lb
0750	Topsoil Surface, Furn, 4 inch	8160062	3,235.000	Syd
0760	Topsoil Surface, Salv, 4 inch	8160077	3,235.000	Syd
0770	Centerline Corrugations, Milled, HMA	8220013	40,950.000	Ft
0780	Contractor Staking	8240001	1.000	LSUM
0790	Staking Plan Errors and Extras, One Person	8240020	11.000	Hr
0800	Staking Plan Errors and Extras, Two Person	8240021	5.000	Hr
0810	Staking Plan Errors and Extras, Three Person	8240022	7.000	Hr
Section: 2				
0820	Structures, Rem Portions (R01 of 12021)	2040061	1.000	LSUM
0830	Excavation, Fdn (R01 of 12021)	2060010	150.000	Cyd



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 022

Letting Date: December 1, 2017

Contract ID: 03072-118847

Description: 6.99 mi of hot mix asphalt widening, reconstruction, cold milling and resurfacing, concrete curb, gutter, sidewalk, culvert, sewer, drainage, detail 8 joint repairs, chip and fog sealing and pavement markings on M-40 from 124th Avenue north to 136th Avenue, Allegan County. This project includes a 2 year pavement performance warranty, a 3 year materials and workmanship pavement warranty and a 5 materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
118847A	1703011	N/A	ST 03072
127978A	1800040	N/A	NH 03072

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$301,700.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.100	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	2.000	Ea
0040	Tree, Rem, 37 inch or Larger	2020003	1.000	Ea
0050	Tree, Rem, 6 inch to 18 inch	2020004	7.000	Ea
0060	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0070	Culv, End, Rem, Less than 24 inch	2030005	2.000	Ea
0080	Dr Structure, Rem	2030011	6.000	Ea
0090	Sewer, Rem, Less than 24 inch	2030015	61.000	Ft
0100	Curb and Gutter, Rem	2040020	1,187.000	Ft
0110	Curb, Rem	2040021	838.000	Ft
0120	Pavt, Rem	2040050	6,004.000	Syd
0130	Sidewalk, Rem	2040055	568.000	Syd
0140	Exploratory Investigation, Vertical	2040080	20.000	Ft
0150	Ditch Cleanout	2050006	3.000	Sta
0160	Excavation, Earth	2050016	11,288.000	Cyd
0170	Non Haz Contaminated Material Handling and Disposal, LM	2050031	250.000	Cyd
0180	Subgrade Undercutting, Type II	2050041	3,500.000	Cyd
0190	_ Berm Grading	2057002	21.000	Sta
0200	_ Embankment, CIP, Special	2057021	2,456.000	Cyd
0210	Erosion Control, Check Dam, Stone	2080012	80.000	Ft
0220	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0230	Erosion Control, Inlet Protection, Fabric Drop	2080020	30.000	Ea
0240	Erosion Control, Inlet Protection, Sediment Trap	2080024	10.000	Ea

0250	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0260	Erosion Control, Sediment Trap	2080034	9.000	Ea
0270	Erosion Control, Silt Fence	2080036	800.000	Ft
0280	_ Permeable Runoff Structure	2087001	10.000	Ft
0290	Subbase, CIP	3010002	4,990.000	Cyd
0300	Aggregate Base, 6 inch	3020016	15,745.000	Syd
0310	_ Driveway Maintenance, Commercial	3067050	15.000	Ea
0320	_ Driveway Maintenance, Residential	3067050	32.000	Ea
0330	Shoulder, CI II	3070121	1,054.000	Ton
0340	Culv End Sect, 12 inch	4010012	4.000	Ea
0350	Culv End Sect, 15 inch	4010015	1.000	Ea
0360	Culv End Sect, Conc, 12 inch	4010047	1.000	Ea
0370	Culv, CI A, 12 inch	4010131	20.000	Ft
0380	Culv, CI A, Conc, 12 inch	4010165	4.000	Ft
0390	Culv, CI F, 12 inch	4010607	152.000	Ft
0400	Sewer, CI A, 12 inch, Tr Det A	4020004	474.000	Ft
0410	Sewer, CI A, 15 inch, Tr Det A	4020005	160.000	Ft
0420	Sewer, CI A, 12 inch, Tr Det B	4020033	1,662.000	Ft
0430	Sewer, CI A, 15 inch, Tr Det B	4020034	100.000	Ft
0440	Sewer, CI E, 12 inch, Tr Det B	4020600	10.000	Ft
0450	Dr Structure Cover, Adj, Case 1	4030005	38.000	Ea
0460	Dr Structure Cover, Adj, Case 2	4030006	4.000	Ea
0470	Dr Structure Cover, Type B	4030010	25.000	Ea
0480	Dr Structure Cover, Type C	4030015	1.000	Ea
0490	Dr Structure Cover, Type J	4030045	5.000	Ea
0500	Dr Structure Cover, Type K	4030050	39.000	Ea
0510	Dr Structure Lead, Cleaning, 12 inch	4030112	20.000	Ft
0520	Dr Structure Lead, Cleaning, 15 inch	4030115	20.000	Ft
0530	Dr Structure, 24 inch dia	4030200	11.000	Ea
0540	Dr Structure, 48 inch dia	4030210	18.000	Ea
0550	Dr Structure, Add Depth of 24 inch dia, 8 foot to 15 foot	4030240	29.000	Ft
0560	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	69.000	Ft
0570	Dr Structure, Adj, Add Depth	4030280	10.000	Ft
0580	Dr Structure, Cleaning	4030290	5.000	Ea
0590	Dr Structure, Tap, 6 inch	4030306	39.000	Ea
0600	Dr Structure, Temp Lowering	4030390	10.000	Ea
0610	Underdrain, Subbase, 6 inch	4040063	9,300.000	Ft
0620	Underdrain, Subgrade, 6 inch	4040073	1,000.000	Ft
0630	Underdrain Outlet, 6 inch	4040093	160.000	Ft
0640	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
0650	_ Underdrain Outlet, 6 inch, Modified	4047001	250.000	Ft
0660	Cold Milling HMA Surface	5010002	34,780.000	Syd
0670	Bump Grinding	5010004	100.000	Syd

0680	HMA Surface, Rem	5010005	13,169.000	Syd
0690	HMA Quality Initiative	5010007	20,940.000	Dlr
0700	Longitudinal Joint Density Quality Initiative	5010018	45,830.000	Dlr
0710	Pavt Joint and Crack Repr, Det 8	5010021	4,180.000	Ft
0720	Hand Patching	5010025	495.000	Ton
0730	HMA, 3E3	5010045	1,875.000	Ton
0740	HMA, 4E3	5010051	3,958.000	Ton
0750	HMA, 5E3	5010057	3,300.000	Ton
0760	HMA Approach	5010061	842.000	Ton
0770	HMA, Temp Pavt (4E3)	5010805	760.000	Ton
0780	Overband Crack Fill, Lane	5020003	25.000	Lnmi
0790	Chip Seal, Shoulder, Warranty	5050030	31,690.000	Syd
0800	Chip Seal, Single, Warranty	5050040	85,600.000	Syd
0810	_ Seal, Fog	5057011	117,284.000	Syd
0820	Conc Base Cse, Nonreinf, 8 inch	6020019	651.000	Syd
0830	_ Pedestrian Path, Temp	8007001	250.000	Ft
0840	_ Pedestrian Ramp, Temp	8007050	12.000	Ea
0850	Driveway, Nonreinf Conc, 6 inch	8010005	548.000	Syd
0860	Curb and Gutter, Conc, Det B2	8020016	1,384.000	Ft
0870	Curb and Gutter, Conc, Det F2	8020036	2,637.000	Ft
0880	Driveway Opening, Conc, Det M	8020050	1,029.000	Ft
0890	_ Curb and Gutter, Conc, Det F1, Modified	8027001	5,715.000	Ft
0900	Detectable Warning Surface	8030010	74.000	Ft
0910	Curb Ramp Opening, Conc	8030030	94.000	Ft
0920	Sidewalk Ramp, Conc, 4 inch	8030034	495.000	Sft
0930	Sidewalk, Conc, 4 inch	8030044	4,463.000	Sft
0940	Curb Sloped, HMA	8050010	232.000	Ft
0950	Post, Mailbox	8070095	20.000	Ea
0960	Fence, Protective	8080007	400.000	Ft
0970	Delineator Reflector, Green	8100133	30.000	Ea
0980	Delineator, Rem	8100349	30.000	Ea
0990	Post, Rigid, Delineator	8100361	30.000	Ea
1000	Post, Steel, 3 lb	8100371	390.000	Ft
1010	Post, Wood, 6 inch by 8 inch	8100382	60.000	Ft
1020	Sign, Type II, Erect, Salv	8100396	1.000	Ea
1030	Sign, Type II, Rem	8100397	2.000	Ea
1040	Sign, Type IIB	8100399	24.000	Sft
1050	Sign, Type III, Erect, Salv	8100402	11.000	Ea
1060	Sign, Type III, Rem	8100403	28.000	Ea
1070	Sign, Type IIIA	8100404	9.000	Sft
1080	Sign, Type IIIB	8100405	83.000	Sft
1090	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	100.000	Ft
1100	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	100.000	Ft
1110	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	7.000	Ea
1120	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea

1130	Pavt Mrkg, Ovly Cold Plastic, School	8110074	2.000	Ea
1140	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	8110078	1.000	Ea
1150	Pavt Mrkg, Waterborne, 4 inch, White	8110231	2,520.000	Ft
1160	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	44,882.000	Ft
1170	Pavt Mrkg, Waterborne, 6 inch, White	8110233	63,510.000	Ft
1180	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	2,520.000	Ft
1190	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	44,882.000	Ft
1200	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	63,510.000	Ft
1210	Rem Spec Mrkg	8110343	170.000	Sft
1220	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
1230	Recessing Pavt Mrkg, Longit	8110450	29,655.000	Ft
1240	Recessing Pavt Mrkg, Transv	8110451	891.000	Sft
1250	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
1260	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
1270	Channelizing Device, 42 inch, Furn	8120030	300.000	Ea
1280	Channelizing Device, 42 inch, Oper	8120031	300.000	Ea
1290	Lighted Arrow, Type C, Furn	8120140	8.000	Ea
1300	Lighted Arrow, Type C, Oper	8120141	8.000	Ea
1310	Minor Traf Devices	8120170	1.000	LSUM
1320	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	24,500.000	Ft
1330	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	19,600.000	Ft
1340	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	22,600.000	Ft
1350	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	13,600.000	Ft
1360	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	20,400.000	Ft
1370	Plastic Drum, High Intensity, Furn	8120250	270.000	Ea
1380	Plastic Drum, High Intensity, Oper	8120251	270.000	Ea
1390	Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional	8120281	1,650.000	Ea
1400	Sign Cover	8120310	20.000	Ea
1410	Sign, Type B, Temp, Prismatic, Furn	8120350	2,030.000	Sft
1420	Sign, Type B, Temp, Prismatic, Oper	8120351	2,030.000	Sft
1430	Traf Regulator Control	8120370	1.000	LSUM
1440	_ Pedestrian Type II Channelizer, Temp	8127001	350.000	Ft
1450	_ Pedestrian Type II Barricade, Temp	8127050	10.000	Ea
1460	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	4.000	Ea
1470	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
1480	Site Preparation, Max \$400.00	8150001	1.000	LSUM
1490	Watering and Cultivating, First Season, Min \$200.00	8150002	1.000	LSUM
1500	Watering and Cultivating, Second Season, Min \$300.00	8150003	1.000	LSUM
1510	Picea omorika, 5 foot	8152787	6.000	Ea

1520	Mulch Blanket	8160027	940.000	Syd
1530	Seeding, Mixture TSM	8160041	28.000	Lb
1540	_ Turf Establishment, Performance	8167011	15,500.000	Syd
1550	Conduit, DB, 1, 3 inch	8190029	54.000	Ft
1560	Hh, Rem	8190254	14.000	Ea
1570	Hh, Round	8190260	3.000	Ea
1580	Conduit, Directional Bore, 1, 3 inch	8190602	138.000	Ft
1590	Flsh Beacon, Solar Power	8200071	2.000	Ea
1600	Sign Optical, Rem	8200372	3.000	Ea
1610	Sign Optical, (LED)	8200373	1.000	Ea
1620	Wireless Intercn, Sign Mtd Flasher, Master	8200490	1.000	Ea
1630	Wireless Intercn, Sign Mtd Flasher, Remote	8200492	2.000	Ea
1640	Monument Box Adjust	8210005	1.000	Ea
1650	Protect Corners	8210020	1.000	Ea
1660	Centerline Corrugations, Milled, HMA	8220013	27,945.000	Ft
1670	_ Monitoring Well, Adjust	8237050	5.000	Ea
1680	Contractor Staking, Road Only	8240007	1.000	LSUM
1690	Staking Plan Errors and Extras, One Person	8240020	25.000	Hr
1700	Staking Plan Errors and Extras, Two Person	8240021	10.000	Hr
1710	Staking Plan Errors and Extras, Three Person	8240022	15.000	Hr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 023

Letting Date: December 1, 2017

Contract ID: 41133-126676

Description: Deep overlay, joint replacement, pin and hanger, full painting, substructure patching, concrete surface coating and approach work on US-131 over Cedar Springs Avenue, Kent County. This project includes a 5 year materials and workmanship pavement warranty and a 2 year bridge painting warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
126676A	1800043	N/A	NH 41133

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$179,600.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0030	Curb and Gutter, Rem	2040020	509.000	Ft
0040	Guardrail, Rem	2040035	300.000	Ft
0050	Pavt, Rem	2040050	3,146.000	Syd
0060	Embankment, CIP	2050010	382.000	Cyd
0070	Excavation, Earth	2050016	5,085.000	Cyd
0080	_ Berm Grading	2057002	7.000	Sta
0090	Erosion Control, Silt Fence	2080036	200.000	Ft
0100	Project Cleanup	2090001	1.000	LSUM
0110	Subbase, CIP	3010002	3,312.000	Cyd
0120	Aggregate Base, 6 inch	3020016	690.000	Syd
0130	Open-Graded Dr Cse, 6 inch	3030006	5,450.000	Syd
0140	Trenching	3070200	11.000	Sta
0150	Culv, Downspout, 15 inch	4010796	98.000	Ft
0160	Dr Marker Post	4011109	2.000	Ea
0170	Underdrain, Subbase, 6 inch	4040063	2,336.000	Ft
0180	Underdrain Outlet, 6 inch	4040093	80.000	Ft
0190	Underdrain, Outlet Ending, 6 inch	4040113	8.000	Ea
0200	Bump Grinding	5010004	164.000	Syd
0210	HMA Surface, Rem	5010005	5,050.000	Syd
0220	HMA Quality Initiative	5010007	5,500.000	Dlr
0230	Longitudinal Joint Density Quality Initiative	5010018	2,344.000	Dlr
0240	Hand Patching	5010025	10.000	Ton
0250	HMA Approach	5010061	2,933.000	Ton
0260	Joint, Expansion, E3	6020208	180.000	Ft
0270	Conc Quality Initiative	6020401	3,400.000	Dlr

0280	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	587.000	Syd
0290	Conc, Grade S2	7060011	2.000	Cyd
0300	Reinforcement, Steel, Culv and Headwall	7060091	92.000	Lb
0310	Curb and Gutter, Bridge Approach	8020010	166.000	Ft
0320	Downspout Header, Conc	8020070	2.000	Ea
0330	Spillway, Conc	8020075	14.000	Ft
0340	Guardrail, Type T	8070002	814.000	Ft
0350	Guardrail Anch, Bridge, Det T4	8070025	3.000	Ea
0360	Guardrail Approach Terminal, Type 2T	8070043	4.000	Ea
0370	Guardrail Departing Terminal, Type T	8070051	3.000	Ea
0380	Guardrail Reflector	8070080	76.000	Ea
0390	Guardrail, Reconst, Type T	8070109	1,513.000	Ft
0400	Delineator Reflector, Green	8100133	4.000	Ea
0410	Delineator Reflector, White	8100134	3.000	Ea
0420	Delineator, Reflective Sheeting, 3 inch by 12 inch, Green	8100144	2.000	Ea
0430	Delineator, Rem	8100349	9.000	Ea
0440	Post, Flexible, Delineator	8100360	2.000	Ea
0450	Post, Rigid, Delineator	8100361	7.000	Ea
0460	Post, Steel, 3 lb	8100371	30.000	Ft
0470	Post, Wood, 4 inch by 6 inch	8100380	64.000	Ft
0480	Sign, Type II, Erect, Salv	8100396	2.000	Ea
0490	Sign, Type II, Rem	8100397	2.000	Ea
0500	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0510	Sign, Type III, Rem	8100403	2.000	Ea
0520	Pavt Mrkg, Waterborne, 4 inch, White	8110231	400.000	Ft
0530	Pavt Mrkg, Waterborne, 6 inch, White	8110233	1,600.000	Ft
0540	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	1,600.000	Ft
0550	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	400.000	Ft
0560	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	1,600.000	Ft
0570	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	1,600.000	Ft
0580	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0590	Recessing Pavt Mrkg, Longit	8110450	3,000.000	Ft
0600	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	2.000	Ea
0610	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	2.000	Ea
0620	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	2.000	Ea
0630	Conc Barrier Ending, Temp, Detail 5, Adj	8120060	4.000	Ea
0640	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	4.000	Ea
0650	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	4.000	Ea
0660	Conc Barrier Reflector Replacement	8120070	30.000	Ea
0670	Conc Barrier, Temp, Adj	8120080	2,300.000	Ft
0680	Conc Barrier, Temp, Furn	8120081	2,300.000	Ft
0690	Conc Barrier, Temp, Oper	8120082	2,300.000	Ft
0700	High Intensity Light, Type B, Furn	8120110	2.000	Ea
0710	High Intensity Light, Type B, Oper	8120111	2.000	Ea

0720	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0730	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0740	Minor Traf Devices	8120170	1.000	LSUM
0750	Pavt Mrkg Cover, Type R, Black	8120200	7,900.000	Ft
0760	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	13,700.000	Ft
0770	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	11,500.000	Ft
0780	Plastic Drum, High Intensity, Furn	8120250	145.000	Ea
0790	Plastic Drum, High Intensity, Oper	8120251	145.000	Ea
0800	PTS System, Temp, Furn	8120270	2.000	Ea
0810	PTS System, Temp, Oper	8120271	2.000	Ea
0820	Sign Cover	8120310	10.000	Ea
0830	Sign, Type B, Temp, Prismatic, Furn	8120350	1,370.000	Sft
0840	Sign, Type B, Temp, Prismatic, Oper	8120351	1,370.000	Sft
0850	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	96.000	Sft
0860	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	96.000	Sft
0870	Traf Regulator Control	8120370	1.000	LSUM
0880	_ Delineator, Flexible, Temp, Furn	8127050	10.000	Ea
0890	_ Delineator, Flexible, Temp, Oper	8127050	10.000	Ea
0900	_ Sign, Portable, Changeable Message, NTCIP _ Compliant, Furn	8127050	2.000	Ea
0910	_ Sign, Portable, Changeable Message, NTCIP _ Compliant, Oper	8127050	2.000	Ea
0920	Riprap, Plain	8130010	40.000	Syd
0930	Slope Restoration, Type B	8160101	1,600.000	Syd
0940	Slope Restoration, Type C	8160102	2,600.000	Syd
0950	Shoulder Corrugations, Ground or Cut, Conc	8220000	266.000	Ft
0960	Shoulder Corrugations, Ground or Cut, HMA	8220001	2,074.000	Ft
0970	Contractor Staking	8240001	1.000	LSUM
0980	Staking Plan Errors and Extras, One Person	8240020	14.000	Hr
0990	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
1000	Staking Plan Errors and Extras, Three Person	8240022	9.000	Hr

Section: 2

1010	HMA Patch, Rem	5010006	10.000	Syd
1020	Conc, Grade D	7060010	42.000	Cyd
1030	Expansion Joint Device	7060050	252.000	Ft
1040	False Decking	7060060	7,526.000	Sft
1050	Reinforcement, Steel, Epoxy Coated	7060092	6,000.000	Lb
1060	Bushing	7070030	96.000	Ea
1070	Joint Waterproofing	7100001	362.000	Sft
1080	Conc Surface Coating (S07 of 41133)	7100010	1.000	LSUM
1090	Conc Surface Coating (S08 of 41133)	7100010	1.000	LSUM
1100	Scarifying	7120001	1,450.000	Syd
1110	Hand Chipping, Other Than Deck	7120007	80.000	Cft

1120	Patch, Forming	7120017	160.000	Sft
1130	Bridge Deck Surface Construction	7120025	1,450.000	Syd
1140	Structures, Rehabilitation, Rem Portions (S07 of 41133)	7120070	1.000	LSUM
1150	Structures, Rehabilitation, Rem Portions (S08 of 41133)	7120070	1.000	LSUM
1160	Deck Joint, Rem	7120071	256.000	Ft
1170	Hydrodemolition, First Pass	7120076	1,450.000	Syd
1180	Hydrodemolition, Second Pass	7120077	146.000	Syd
1190	Patching Conc, C-L	7120112	4.000	Cyd
1200	Embedded Galvanic Anode	7120120	274.000	Ea
1210	_ Conc, Deep Bridge Deck Ovly	7127021	234.000	Cyd
1220	Beam Plate, Seal Perimeter	7130010	762.000	Ft
1230	Hanger Assembly, Field Measurement	7130030	24.000	Ea
1240	Hanger Assembly, Rem and Erect	7130031	24.000	Ea
1250	Structural Steel, Furn and Fab, Pin and Hanger	7130070	5,762.000	Lb
1260	Structural Steel, Welded Repair, Furn, Fab, and Erect	7130072	430.000	Lb
1270	Support, Column, Temp	7130080	24.000	Ea
1280	_ Beam Ends, Pin Plate Cutting	7137050	3.000	Ea
1290	Steel Structure, Cleaning, Type 4 (S07 of 41133)	7150045	1.000	LSUM
1300	Steel Structure, Cleaning, Type 4 (S08 of 41133)	7150045	1.000	LSUM
1310	Steel Structure, Coating, Type 4 (S07 of 41133)	7150046	1.000	LSUM
1320	Steel Structure, Coating, Type 4 (S08 of 41133)	7150046	1.000	LSUM
1330	Field Repair of Damaged Coating (S07 of 41133)	7160001	1.000	LSUM
1340	Field Repair of Damaged Coating (S08 of 41133)	7160001	1.000	LSUM
1350	_ Slope Protection, Replace	8137011	100.000	Syd

Schedule of Pay Items

Report v1

Letting Call: 171201 024

Letting Date: December 1, 2017

Contract ID: 62031-118166

Description: 0.43 mi of hot mix asphalt inlay, concrete driveway, curb, gutter, sidewalk and ramps, drainage, earthwork and pavement markings on M-37 from south of Lee Street northerly to State Road in the city of Grant, Newaygo County. This project includes a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
118166A	1762006	N/A	ST 62031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$142,400.00	1500001	1.000	LSUM
0020	Dr Structure, Rem	2030011	32.000	Ea
0030	_ Sewer, Rem, Less than 24 inch, Special	2037001	2,326.000	Ft
0040	Curb and Gutter, Rem	2040020	1,241.000	Ft
0050	Curb, Rem	2040021	374.000	Ft
0060	Gutter, Rem	2040040	159.000	Ft
0070	Pavt, Rem	2040050	10,000.000	Syd
0080	Sidewalk, Rem	2040055	499.000	Syd
0090	Excavation, Earth	2050016	8,460.000	Cyd
0100	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0110	Subgrade Undercutting, Type I	2050040	500.000	Cyd
0120	Subgrade Undercutting, Type II	2050041	3,500.000	Cyd
0130	Aggregate, 6A	2060001	25.000	Cyd
0140	Erosion Control, Gravel Access Approach	2080016	1.000	Ea
0150	Erosion Control, Inlet Protection, Fabric Drop	2080020	62.000	Ea
0160	Erosion Control, Inlet Protection, Sediment Trap	2080024	21.000	Ea
0170	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0180	Erosion Control, Sediment Trap	2080034	10.000	Ea
0190	Erosion Control, Silt Fence	2080036	200.000	Ft
0200	Project Cleanup	2090001	1.000	LSUM
0210	Subbase, CIP	3010002	5,710.000	Cyd
0220	Aggregate Base, 4 inch	3020010	445.000	Syd
0230	Aggregate Base, 6 inch	3020016	12,226.000	Syd
0240	Maintenance Gravel, LM	3060021	50.000	Cyd
0250	Geotextile, Stabilization	3080010	100.000	Syd
0260	Culv End Sect, 12 inch	4010012	1.000	Ea

0270	Sewer Tap, 4 inch	4021200	2.000	Ea
0280	Sewer Tap, 8 inch	4021202	2.000	Ea
0290	Sewer Tap, 12 inch	4021204	11.000	Ea
0300	Sewer Tap, 18 inch	4021206	1.000	Ea
0310	Sewer Tap, 24 inch	4021207	1.000	Ea
0320	Sewer Tap, 48 inch	4021211	1.000	Ea
0330	Trench Undercut and Backfill	4021260	100.000	Cyd
0340	_ Sewer, CI A, 12 inch, Tr Det B, Modified	4027001	831.000	Ft
0350	_ Sewer, CI A, 12 inch, Tr Det D, Modified	4027001	285.000	Ft
0360	_ Sewer, CI A, 18 inch, Tr Det B, Modified	4027001	80.000	Ft
0370	_ Sewer, CI A, 18 inch, Tr Det D, Modified	4027001	555.000	Ft
0380	_ Sewer, CI A, 24 inch, Tr Det D, Modified	4027001	11.000	Ft
0390	_ Sewer, CI A, 30 inch, Tr Det D, Modified	4027001	1,144.000	Ft
0400	_ Sewer, CI A, 36 inch, Tr Det D, Modified	4027001	50.000	Ft
0410	_ Sewer, CI A, 48 inch, Tr Det B, Modified	4027001	22.000	Ft
0420	_ Sewer, CI E, 12 inch, Tr Det B, Modified	4027001	75.000	Ft
0430	_ Bypass Pumping, Storm Sewer	4027051	1.000	LSUM
0440	Dr Structure Cover, Adj, Case 1	4030005	4.000	Ea
0450	Dr Structure Cover, Type B	4030010	21.000	Ea
0460	Dr Structure Cover, Type D	4030025	9.000	Ea
0470	Dr Structure Cover, Type K	4030050	31.000	Ea
0480	Dr Structure Cover, Type Q	4030065	4.000	Ea
0490	Dr Structure Cover, Type R	4030070	3.000	Ea
0500	Dr Structure, 24 inch dia	4030200	19.000	Ea
0510	Dr Structure, 48 inch dia	4030210	29.000	Ea
0520	Dr Structure, 60 inch dia	4030220	11.000	Ea
0530	Dr Structure, 72 inch dia	4030230	4.000	Ea
0540	Dr Structure, 84 inch dia	4030231	1.000	Ea
0550	Dr Structure, Add Depth of 84 inch dia, 8 foot to 15 foot	4030232	2.000	Ft
0560	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	2.000	Ft
0570	Dr Structure, Tap, 6 inch	4030306	10.000	Ea
0580	Dr Structure, Tap, 12 inch	4030312	2.000	Ea
0590	Underdrain, Subbase, 6 inch	4040063	4,576.000	Ft
0600	Underdrain, Subgrade, 6 inch	4040073	4,045.000	Ft
0610	Underdrain Outlet, 6 inch	4040093	340.000	Ft
0620	Pavt, Cleaning	5010001	1.000	LSUM
0630	HMA Surface, Rem	5010005	11,558.000	Syd
0640	HMA Quality Initiative	5010007	8,710.000	Dlr
0650	Longitudinal Joint Density Quality Initiative	5010018	27,456.000	Dlr
0660	Hand Patching	5010025	2.000	Ton
0670	HMA, 3E3	5010045	1,714.000	Ton
0680	HMA, 4E3	5010051	1,145.000	Ton
0690	HMA, 5E3	5010057	887.000	Ton

0700	HMA Approach	5010061	619.000	Ton
0710	_ Sanitary Sewer Lead	8007050	5.000	Ea
0720	_ Sanitary Sewer Lead Conflict	8007050	10.000	Ea
0730	Driveway, Nonreinf Conc, 7 inch	8010006	54.000	Syd
0740	Curb, Conc, Det E2	8020002	337.000	Ft
0750	Curb and Gutter, Conc, Det B2	8020016	470.000	Ft
0760	Curb and Gutter, Conc, Det F4	8020038	615.000	Ft
0770	Driveway Opening, Conc, Det M	8020050	300.000	Ft
0780	Curb Ramp Opening, Conc	8030030	214.000	Ft
0790	Sidewalk Ramp, Conc, 6 inch	8030036	1,992.000	Sft
0800	Sidewalk, Conc, 4 inch	8030044	1,980.000	Sft
0810	Sidewalk, Conc, 6 inch	8030046	293.000	Sft
0820	_ Detectable Warning Surface, Cast Iron	8037001	114.000	Ft
0830	Band, Sign	8100010	6.000	Ea
0840	Fdn, Wood Support, Rem	8100280	1.000	Ea
0850	Post Hole Through Conc for Steel Post	8100340	11.000	Ea
0860	Post, Steel, 3 lb	8100371	328.000	Ft
0870	Sign, Type II, Rem	8100397	2.000	Ea
0880	Sign, Type IIB	8100399	27.000	Sft
0890	Sign, Type III, Erect, Salv	8100402	8.000	Ea
0900	Sign, Type III, Rem	8100403	31.000	Ea
0910	Sign, Type IIIA	8100404	45.000	Sft
0920	Sign, Type IIIB	8100405	74.000	Sft
0930	Pavt Mrkg, Polyurea, 4 inch, White	8110091	801.000	Ft
0940	Pavt Mrkg, Polyurea, 4 inch, Yellow	8110092	6,408.000	Ft
0950	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	598.000	Ft
0960	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	288.000	Ft
0970	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	126.000	Ft
0980	Rem Spec Mrkg	8110343	144.000	Sft
0990	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	7.000	Ea
1000	Recessing Pavt Mrkg, Longit	8110450	5,229.000	Ft
1010	Recessing Pavt Mrkg, Transv	8110451	919.000	Sft
1020	Barricade, Type III, High Intensity, Lighted, Furn	8120022	32.000	Ea
1030	Barricade, Type III, High Intensity, Lighted, Oper	8120023	32.000	Ea
1040	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
1050	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
1060	Minor Traf Devices	8120170	1.000	LSUM
1070	Mobile Attenuator	8120180	2.000	Ea
1080	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	2,786.000	Ft
1090	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	24.000	Ft
1100	Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar	8120216	24.000	Ft
1110	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	2,813.000	Ft
1120	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	2,813.000	Ft

1130	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	1,129.000	Ft
1140	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,104.000	Ft
1150	Plastic Drum, High Intensity, Furn	8120250	158.000	Ea
1160	Plastic Drum, High Intensity, Oper	8120251	158.000	Ea
1170	Sign Cover	8120310	41.000	Ea
1180	Sign, Type A, Temp, Prismatic, Furn	8120340	31.000	Sft
1190	Sign, Type A, Temp, Prismatic, Oper	8120341	31.000	Sft
1200	Sign, Type B, Temp, Prismatic, Furn	8120350	1,619.000	Sft
1210	Sign, Type B, Temp, Prismatic, Oper	8120351	1,619.000	Sft
1220	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	256.000	Sft
1230	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	256.000	Sft
1240	Traf Regulator Control	8120370	1.000	LSUM
1250	_ Pedestrian Path, Temp	8127001	60.000	Ft
1260	_ Pedestrian Ramp, Temp	8127050	2.000	Ea
1270	_ Pedestrian Type II Barricade, Temp	8127050	63.000	Ea
1280	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	4.000	Ea
1290	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
1300	_ Turf Establishment, Performance	8167011	399.000	Syd
1310	_ Street Lighting System, Protect	8197051	1.000	LSUM
1320	Monument Box	8210001	2.000	Ea
1330	Monument Preservation	8210010	3.000	Ea
1340	Water Serv, Conflict	8230250	25.000	Ea
1350	Gate Box, Adj, Case 1	8230431	1.000	Ea
1360	Contractor Staking, Road Only	8240007	1.000	LSUM
1370	Staking Plan Errors and Extras, One Person	8240020	13.000	Hr
1380	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
1390	Staking Plan Errors and Extras, Three Person	8240022	8.000	Hr
1400	Flowable Fill, Non-Structural	8260148	3.000	Cyd



11/3/2017 10:56 AM

AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 025

Letting Date: December 1, 2017

Contract ID: 47000-122202

Description: 27.48 mi of freeway sign upgrading and delineator installations along I-96 from the Ingham county line (Wallace Road) to the Oakland county line, Livingston County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
122202A	1800052	N/A	IMG 47000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$100,300.00	1500001	1.000	LSUM
0020	Conc, Grade P2	6020031	2.000	Cyd
0030	Band, Sign	8100010	9.000	Ea
0040	Bridge Sign Connection, Bolt Replacement	8100020	11.000	Ea
0050	Bridge Sign Connection, Conc, Type A1	8100031	18.000	Ea
0060	Bridge Sign Connection, Steel, Type F	8100065	2.000	Ea
0070	Bridge Sign Connection, Type A, Rem	8100080	18.000	Ea
0080	Bridge Sign Connection, Type F, Rem	8100085	1.000	Ea
0090	Column, Breakaway, W8 x 13	8100120	32.000	Ea
0100	Column, Breakaway, W8 x 18	8100121	6.000	Ea
0110	Delineator Reflector, Red	8100131	178.000	Ea
0120	Delineator Reflector, Yellow	8100132	84.000	Ea
0130	Delineator Reflector, Green	8100133	220.000	Ea
0140	Delineator Reflector, White	8100134	1,889.000	Ea
0150	Delineator, Reflective Sheeting, 3 inch by 6 inch, Red	8100141	201.000	Ea
0160	Delineator, Reflective Sheeting, 3 inch by 6 inch, White	8100142	59.000	Ea
0170	Delineator, Reflective Sheeting, 3 inch by 6 inch, Yellow	8100143	468.000	Ea
0180	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	46.000	Ea
0190	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	121.000	Ea
0200	Fdn, Breakaway, W8 x 13	8100160	32.000	Ea
0210	Fdn, Breakaway, W8 x 18	8100161	6.000	Ea
0220	Fdn, Column Breakaway, Rem	8100220	16.000	Ea
0230	Fdn, Wood Support, Rem	8100280	210.000	Ea
0240	Glare Screen Connection, Conc, Perforated Steel Square Tube	8100291	61.000	Ea
0250	Installing MDOT Supplied Sign, Type III	8100302	42.000	Ea

0260	Perforated Steel Square Tube Breakaway System	8100330	102.000	Ea
0270	Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem	8100331	17.000	Ea
0280	Post Hole Through Conc for Steel Post	8100340	21.000	Ea
0290	Post Hole Through Conc for Wood Post	8100341	1.000	Ea
0300	Delineator, Rem	8100349	2,900.000	Ea
0310	Post, Flexible, Delineator	8100360	694.000	Ea
0320	Post, Rigid, Delineator	8100361	2,193.000	Ea
0330	Post, Steel, 3 lb	8100371	10,568.000	Ft
0340	Post, Wood, 4 inch by 6 inch	8100380	3,180.000	Ft
0350	Post, Wood, 6 inch by 8 inch	8100382	2,374.000	Ft
0360	Sign, Type I, Rem	8100391	71.000	Ea
0370	Sign, Type IA	8100392	6,566.000	Sft
0380	Sign, Type IB	8100393	1,044.000	Sft
0390	Sign, Type II, Erect, Salv	8100396	8.000	Ea
0400	Sign, Type II, Rem	8100397	216.000	Ea
0410	Sign, Type IIA	8100398	2,273.000	Sft
0420	Sign, Type IIB	8100399	650.000	Sft
0430	Sign, Type III, Erect, Salv	8100402	4.000	Ea
0440	Sign, Type III, Rem	8100403	631.000	Ea
0450	Sign, Type IIIA	8100404	2,443.000	Sft
0460	Sign, Type IIIB	8100405	1,784.000	Sft
0470	Sign, Type IVA	8100410	12.000	Sft
0480	Sign, Type IVB	8100411	9.000	Sft
0490	Transporting Salv MDOT Materials	8100420	1.000	LSUM
0500	Sign, Type V, Rem	8100421	6.000	Ea
0510	Sign, Type VA	8100424	429.000	Sft
0520	Sign, Type VB	8100425	1,273.000	Sft
0530	Reflective Panel for Permanent Sign Support, 3 foot	8100613	134.000	Ea
0540	Reflective Panel for Permanent Sign Support, 6 foot	8100616	134.000	Ea
0550	Lighted Arrow, Type C, Furn	8120140	7.000	Ea
0560	Lighted Arrow, Type C, Oper	8120141	7.000	Ea
0570	Ltg for Night Work	8120160	1.000	LSUM
0580	Minor Traf Devices	8120170	1.000	LSUM
0590	Mobile Attenuator	8120180	4.000	Ea
0600	Plastic Drum, Fluorescent, Furn	8120252	800.000	Ea
0610	Plastic Drum, Fluorescent, Oper	8120253	800.000	Ea
0620	Sign Cover	8120310	20.000	Ea
0630	Sign, Type A, Temp, Prismatic, Furn	8120340	20.000	Sft
0640	Sign, Type A, Temp, Prismatic, Oper	8120341	20.000	Sft
0650	Sign, Type B, Temp, Prismatic, Furn	8120350	2,500.000	Sft
0660	Sign, Type B, Temp, Prismatic, Oper	8120351	2,500.000	Sft
0670	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	10.000	Sft
0680	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	10.000	Sft
0690	Traf Regulator Control	8120370	1.000	LSUM

0700	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	4.000	Ea
0710	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
0720	Contractor Staking, Road Only	8240007	1.000	LSUM
0730	Staking Plan Errors and Extras, One Person	8240020	11.000	Hr
0740	Staking Plan Errors and Extras, Two Person	8240021	4.000	Hr
0750	Staking Plan Errors and Extras, Three Person	8240022	6.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 026

Letting Date: December 1, 2017

Contract ID: 77091-124599

Description: 0.13 mi of hot mix asphalt paving, concrete driveway, curb, gutter, sidewalk and ramps, earthwork, aggregate base, drainage, traffic signals and pavement markings on I-94BL at 10th Avenue and Scott Avenue in the city of Port Huron, St. Clair County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
124599A	1800044	N/A	CM 77091

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$39,800.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	1.000	Ea
0030	Dr Structure, Rem	2030011	5.000	Ea
0040	Sewer, Rem, Less than 24 inch	2030015	36.000	Ft
0050	Curb and Gutter, Rem	2040020	1,255.000	Ft
0060	Pavt, Rem	2040050	563.000	Syd
0070	Sidewalk, Rem	2040055	414.000	Syd
0080	Exploratory Investigation, Vertical	2040080	50.000	Ft
0090	Embankment, CIP	2050010	1,450.000	Cyd
0100	Excavation, Earth	2050016	400.000	Cyd
0110	Non Haz Contaminated Material Handling and Disposal, LM	2050031	10.000	Cyd
0120	Obliterate Old Road	2070001	3.900	Sta
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	9.000	Ea
0140	Erosion Control, Inlet Protection, Sediment Trap	2080024	6.000	Ea
0150	Erosion Control, Silt Fence	2080036	600.000	Ft
0160	Project Cleanup	2090001	1.000	LSUM
0170	Subbase, CIP	3010002	25.000	Cyd
0180	Aggregate Base, 6 inch	3020016	120.000	Syd
0190	Aggregate Base, 12 inch	3020030	1,250.000	Syd
0200	Maintenance Gravel	3060020	60.000	Ton
0210	Sewer, Cl A, 12 inch, Tr Det B	4020033	60.000	Ft
0220	Sewer Tap, 12 inch	4021204	3.000	Ea
0230	Dr Structure Cover, Adj, Case 1	4030005	6.000	Ea
0240	Dr Structure Cover, Type B	4030010	2.000	Ea
0250	Dr Structure Cover, Type K	4030050	8.000	Ea
0260	Dr Structure, 24 inch dia	4030200	5.000	Ea
0270	Dr Structure, 48 inch dia	4030210	2.000	Ea

0280	Dr Structure, Tap, 12 inch	4030312	2.000	Ea
0290	HMA Surface, Rem	5010005	1,882.000	Syd
0300	HMA Quality Initiative	5010007	1,000.000	Dlr
0310	Hand Patching	5010025	17.000	Ton
0320	HMA Approach	5010061	460.000	Ton
0330	Conc Quality Initiative	6020401	250.000	Dlr
0340	Lane Tie, Epoxy Anchored	6030030	315.000	Ea
0350	Driveway, Nonreinf Conc, 6 inch	8010005	9.000	Syd
0360	Curb and Gutter, Conc, Det F4	8020038	470.000	Ft
0370	_ Curb and Gutter, Conc, Det F3, Modified	8027001	457.000	Ft
0380	Detectable Warning Surface	8030010	15.000	Ft
0390	Curb Ramp Opening, Conc	8030030	25.000	Ft
0400	Sidewalk Ramp, Conc, 6 inch	8030036	207.000	Sft
0410	Sidewalk, Conc, 4 inch	8030044	1,507.000	Sft
0420	Fdn, Wood Support, Rem	8100280	1.000	Ea
0430	Post, Steel, 3 lb	8100371	296.000	Ft
0440	Post, Wood, 4 inch by 6 inch	8100380	32.000	Ft
0450	Sign, Type II, Rem	8100397	1.000	Ea
0460	Sign, Type IIA	8100398	18.000	Sft
0470	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0480	Sign, Type III, Rem	8100403	10.000	Ea
0490	Sign, Type IIIA	8100404	9.000	Sft
0500	Sign, Type IIIB	8100405	66.000	Sft
0510	Sign, Type IVB	8100411	8.000	Sft
0520	Reflective Panel for Permanent Sign Support, 6 foot	8100616	2.000	Ea
0530	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	310.000	Ft
0540	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	8110042	90.000	Ft
0550	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	123.000	Ft
0560	Pavt Mrkg, Ovly Cold Plastic, 4 inch, Turning Guide Line, White	8110053	380.000	Ft
0570	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	4.000	Ea
0580	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
0590	Pavt Mrkg, Ovly Cold Plastic, Thru and Lt Turn Arrow Sym	8110076	1.000	Ea
0600	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	1.000	Ea
0610	Pavt Mrkg, Ovly Cold Plastic, 4 inch, Turning Guide Line, Yellow	8110081	50.000	Ft
0620	Pavt Mrkg, Waterborne, 4 inch, White	8110231	535.000	Ft
0630	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,427.000	Ft
0640	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	535.000	Ft
0650	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,427.000	Ft
0660	Rem Spec Mrkg	8110343	858.000	Sft
0670	Barricade, Type III, High Intensity, Lighted, Furn	8120022	10.000	Ea
0680	Barricade, Type III, High Intensity, Lighted, Oper	8120023	10.000	Ea
0690	Lighted Arrow, Type C, Furn	8120140	4.000	Ea

0700	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0710	Minor Traf Devices	8120170	1.000	LSUM
0720	Mobile Attenuator	8120180	1.000	Ea
0730	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,115.000	Ft
0740	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0750	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0760	Sign Cover	8120310	6.000	Ea
0770	Sign, Type A, Temp, Prismatic, Furn	8120340	20.000	Sft
0780	Sign, Type A, Temp, Prismatic, Oper	8120341	20.000	Sft
0790	Sign, Type B, Temp, Prismatic, Furn	8120350	683.000	Sft
0800	Sign, Type B, Temp, Prismatic, Oper	8120351	683.000	Sft
0810	_ Pedestrian, Type II, Barricade, Temp	8127050	10.000	Ea
0820	_ Turf Establishment, Performance	8167011	2,000.000	Syd
0830	Cable Pole, TS and Sec, Disman	8190009	1.000	Ea
0840	Cable Pole, TS, Disman	8190010	1.000	Ea
0850	Conduit, DB, 1, 1 1/2 inch	8190027	75.000	Ft
0860	Conduit, DB, 1, 3 inch	8190029	155.000	Ft
0870	Conduit, DB, 3, 3 inch	8190035	40.000	Ft
0880	Conduit, DB, 4, 3 inch	8190038	10.000	Ft
0890	Conduit, Rem	8190140	15.000	Ft
0900	Hh, Rem	8190254	2.000	Ea
0910	Hh, Round, 3 foot dia	8190259	1.000	Ea
0920	Hh, Round	8190260	8.000	Ea
0930	Light Std Fdn	8190279	2.000	Ea
0940	Light Std, Frangible Transformer Base	8190281	2.000	Ea
0950	Light Std Shaft, 30 foot or less	8190285	2.000	Ea
0960	Cable, Sec, 600V, 1, 3/C#6	8190399	150.000	Ft
0970	Wood Pole, Rem	8190505	1.000	Ea
0980	Conduit, Directional Bore, 1, 3 inch	8190602	130.000	Ft
0990	Case Sign, Rem	8200020	2.000	Ea
1000	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	2.000	Ea
1010	Controller and Cabinet, Rem	8200030	1.000	Ea
1020	Controller and Cabinet, Digital Type	8200031	1.000	Ea
1030	Controller Fdn, Base Mount	8200045	1.000	Ea
1040	Controller Fdn, Rem	8200046	1.000	Ea
1050	Pedestal, Alum	8200100	1.000	Ea
1060	Pedestal, Fdn	8200105	1.000	Ea
1070	Pedestal Fdn, Rem	8200106	1.000	Ea
1080	Pedestal, Rem	8200110	1.000	Ea
1090	Power Co. (Est. Cost to Contractor)	8200116	1,000.000	Dlr
1100	Pushbutton and Sign	8200121	4.000	Ea
1110	Pushbutton, Rem	8200122	5.000	Ea
1120	Serv Disconnect	8200135	1.000	Ea
1130	Serv Disconnect, Rem	8200136	1.000	Ea
1140	Span Wire	8200140	3.000	Ea

1150	Span Wire, Rem	8200141	3.000	Ea
1160	Steel Pole, Rem (Embedded)	8200146	1.000	Ea
1170	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	4.000	Ea
1180	TS, Pedestrian, Pedestal Mtd, Rem	8200181	1.000	Ea
1190	TS, Span Wire Mtd, Rem	8200182	9.000	Ea
1200	TS, One Way Span Wire Mtd (LED)	8200313	5.000	Ea
1210	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	1.000	Ea
1220	TS, One Way Span Wire Mtd, LTGA (LED)	8200316	2.000	Ea
1230	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	3.000	Ea
1240	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	1.000	Ea
1250	Wireless Intercn, Closed Loop, Salv	8200389	1.000	Ea
1260	Wireless Intercn, Closed Loop, Rem	8200396	1.000	Ea
1270	Strain Pole, Steel, 6 bolt, 30 foot	8200460	2.000	Ea
1280	Strain Pole, Steel, 6 bolt, 36 foot	8200461	2.000	Ea
1290	Strain Pole Fdn, 6 Bolt	8200470	73.000	Ft
1300	Casing	8200480	59.000	Ft
1310	Radar Vehicle Presence Stop-Bar Detector System	8200510	1.000	Ea
1320	Radar Vehicle Presence Stop-Bar Detector Sensor	8200513	2.000	Ea
1330	Gate Box, Adj, Case 2	8230432	1.000	Ea
1340	Contractor Staking, Road Only	8240007	1.000	LSUM
1350	Staking Plan Errors and Extras, One Person	8240020	3.000	Hr
1360	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
1370	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 027

Letting Date: December 1, 2017

Contract ID: 44044-132928

Description: 0.10 mi of installation of a portable intermittent truck weigh station on I-69 eastbound at the Five Lakes Rest Area, Lapeer County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132928A	1800051	N/A	ST 44044

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$15,300.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.200	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	3.000	Ea
0040	Tree, Rem, 37 inch or Larger	2020003	1.000	Ea
0050	Tree, Rem, 6 inch to 18 inch	2020004	7.000	Ea
0060	Curb and Gutter, Rem	2040020	166.000	Ft
0070	Pavt, Rem	2040050	36.000	Syd
0080	Embankment, CIP	2050010	1,160.000	Cyd
0090	Excavation, Earth	2050016	395.000	Cyd
0100	Erosion Control, Inlet Protection, Fabric Drop	2080020	3.000	Ea
0110	Erosion Control, Silt Fence	2080036	870.000	Ft
0120	Subbase, CIP	3010002	812.000	Cyd
0130	Aggregate Base, 6 inch	3020016	919.000	Syd
0140	Aggregate Base, 9 inch	3020022	280.000	Syd
0150	Culv End Sect, 12 inch	4010012	4.000	Ea
0160	Culv, CI A, 12 inch	4010131	96.000	Ft
0170	HMA Surface, Rem	5010005	20.000	Syd
0180	HMA Quality Initiative	5010007	646.000	Dlr
0190	Longitudinal Joint Density Quality Initiative	5010018	880.000	Dlr
0200	Hand Patching	5010025	7.000	Ton
0210	HMA, 4E3	5010051	311.000	Ton
0220	HMA Approach	5010061	5.000	Ton
0230	Conc Pavt, Misc, Nonreinf, 8 inch	6020054	36.000	Syd
0240	Conc Pavt, Nonreinf, 8 inch	6020104	312.000	Syd
0250	Conc Pavt, Curing Horizontal Surfaces	6020159	348.000	Syd
0260	Joint, Contraction, Cp	6020200	192.000	Ft
0270	Lane Tie, Epoxy Anchored	6030030	35.000	Ea
0280	_ Portable Intermittent Truck Weigh Station Trench	8007050	1.000	Ea

0290	Driveway Opening, Conc, Det M	8020050	166.000	Ft
0300	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
0310	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea
0320	Minor Traf Devices	8120170	1.000	LSUM
0330	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0340	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0350	Sign Cover	8120310	2.000	Ea
0360	Sign Cover, Type 1	8120320	2.000	Ea
0370	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	20.000	Sft
0380	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	20.000	Sft
0390	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	2.000	Ea
0400	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	2.000	Ea
0410	Site Preparation, Max \$225.00	8150001	1.000	LSUM
0420	Acer saccharum 'Celebration', 1 1/2 inch	8150178	2.000	Ea
0430	Ulmus americana 'Valley Forge', 1 1/2 inch	8153910	1.000	Ea
0440	Slope Restoration, Type B	8160101	2,518.000	Syd
0450	Contractor Staking	8240001	1.000	LSUM
0460	Staking Plan Errors and Extras, One Person	8240020	1.000	Hr
0470	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0480	Staking Plan Errors and Extras, Three Person	8240022	1.000	Hr



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Schedule of Pay Items

Report v1

Letting Call: 171201 028

Letting Date: December 1, 2017

Contract ID: 27000-127814

Description: 5.80 mi of hot mix asphalt base crushing and shaping, aggregate shoulder and guardrail on Thousand Island Road north of Roddis Road, Gogebic County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
127814A	FLH 1627(010)	RT0502	STL 27000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$128,300.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	2,757.000	Ft
0030	Embankment, LM	2050011	100.000	Cyd
0040	Erosion Control, Silt Fence	2080036	2,000.000	Ft
0050	Aggregate Base, 4 inch	3020010	90,859.000	Syd
0060	HMA Base Crushing and Shaping	3050002	108,885.000	Syd
0070	Material, Surplus and Unsuitable, Rem, LM	3050010	60.000	Cyd
0080	Approach, CI II, 3 inch	3070025	400.000	Syd
0090	Shoulder, CI II, 3 inch	3070125	13,611.000	Syd
0100	Trenching	3070200	613.000	Sta
0110	HMA Approach	5010061	50.000	Ton
0120	HMA, LVSP	5010703	15,720.000	Ton
0130	Guardrail, Type B	8070000	1,139.000	Ft
0140	Guardrail Approach Terminal, Type 1B	8070040	6.000	Ea
0150	Guardrail Reflector	8070080	28.000	Ea
0160	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0170	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0180	Minor Traf Devices	8120170	1.000	LSUM
0190	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,450.000	Ft
0200	Plastic Drum, High Intensity, Furn	8120250	30.000	Ea
0210	Plastic Drum, High Intensity, Oper	8120251	30.000	Ea
0220	Sign, Type B, Temp, Prismatic, Furn	8120350	420.000	Sft
0230	Sign, Type B, Temp, Prismatic, Oper	8120351	420.000	Sft
0240	Traf Regulator Control	8120370	1.000	LSUM
0250	_ Slope Resotation Modified	8167001	30,360.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 029

Letting Date: December 1, 2017

Contract ID: 50099-133255

Description: 2.16 mi of hot mix asphalt cold milling and resurfacing, aggregate shoulders, guardrail endings and pavement markings on New Haven Road from North Road southeast to west of 28 Mile Road, Macomb County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
133255A	STP 1750(029)	N/A	STL 50099

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Reimbursed Permit Fees	1077060	1,500.000	Dlr
0020	Mobilization, Max \$45,400.00	1500001	1.000	LSUM
0030	Culv, Rem, Over 48 inch	2030003	1.000	Ea
0040	Sewer, Rem, Less than 24 inch	2030015	42.000	Ft
0050	Sewer, Rem, 24 inch to 48 inch	2030016	11.000	Ft
0060	Curb and Gutter, Rem	2040020	10.000	Ft
0070	Guardrail, Rem	2040035	1,240.000	Ft
0080	Pavt, Rem	2040050	167.000	Syd
0090	_ Station Grading	2057002	4.000	Sta
0100	Erosion Control, Check Dam, Stone	2080012	12.000	Ft
0110	Erosion Control, Silt Fence	2080036	500.000	Ft
0120	Project Cleanup	2090001	1.000	LSUM
0130	Subbase, CIP	3010002	100.000	Cyd
0140	_ Aggregate Base, 8 inch, Modified	3027011	293.000	Syd
0150	_ Shoulder, Class II, Modified	3077031	2,633.000	Ton
0160	Culv End Sect, Conc, 12 inch	4010047	2.000	Ea
0170	Culv End Sect, Conc, 18 inch	4010049	1.000	Ea
0180	Culv End Sect, Conc, 24 inch	4010051	1.000	Ea
0190	_ Culv, Reinf Conc Ellip, CI HE IV, 72 inch by 113 inch	4017001	80.000	Ft
0200	Sewer, CI IV, 12 inch, Tr Det A	4020960	32.000	Ft
0210	Sewer, CI IV, 18 inch, Tr Det A	4020962	8.000	Ft
0220	Sewer, CI IV, 24 inch, Tr Det A	4020963	26.000	Ft
0230	Sewer Tap, 12 inch	4021204	2.000	Ea
0240	Sewer Tap, 18 inch	4021206	1.000	Ea
0250	Sewer Tap, 24 inch	4021207	1.000	Ea
0260	Video Taping Sewer and Culv Pipe	4021275	66.000	Ft
0270	Dr Structure Cover, Adj, Case 1	4030005	1.000	Ea

0280	Dr Structure Cover, Type E	4030035	5.000	Ea
0290	Dr Structure, 24 inch dia	4030200	2.000	Ea
0300	Dr Structure, 48 inch dia	4030210	3.000	Ea
0310	Dr Structure, Adj, Add Depth	4030280	2.000	Ft
0320	Pavt, Cleaning	5010001	1.000	LSUM
0330	Pavt for Butt Joints, Rem	5010008	375.000	Syd
0340	Pavt Joint and Crack Repr, Det 7	5010020	150.000	Ft
0350	Hand Patching	5010025	20.000	Ton
0360	HMA, 5E3	5010057	2,880.000	Ton
0370	HMA Approach	5010061	75.000	Ton
0380	_ Cold Milling Existing Pavement for Longitudinal Butt Joint	5017011	1,081.000	Syd
0390	_ Cold Milling Existing Pavement, 1.5 inch Deep	5017011	1,361.000	Syd
0400	Conc Pavt, Misc, Nonreinf, 7 inch	6020052	167.000	Syd
0410	Conc, Low Temperature Protection	7060020	33.000	Cyd
0420	Curb and Gutter, Conc, Det F3	8020037	10.000	Ft
0430	Guardrail, Type B	8070000	650.000	Ft
0440	Guardrail, Backed, Det G2	8070016	2.000	Ea
0450	Guardrail Approach Terminal, Type 1B	8070040	4.000	Ea
0460	Guardrail Approach Terminal, Type 2B	8070042	4.000	Ea
0470	_ Guardrail, Backed, Det G2, Modified	8077050	2.000	Ea
0480	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	4,015.000	Ft
0490	Pavt Mrkg, Waterborne, 6 inch, White	8110233	22,800.000	Ft
0500	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
0510	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
0520	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0530	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0540	Minor Traf Devices	8120170	1.000	LSUM
0550	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	250.000	Ft
0560	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,000.000	Ft
0570	Plastic Drum, High Intensity, Furn	8120250	250.000	Ea
0580	Plastic Drum, High Intensity, Oper	8120251	250.000	Ea
0590	Sign Cover	8120310	1.000	Ea
0600	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0610	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0620	Sign, Type B, Temp, Prismatic, Furn	8120350	640.000	Sft
0630	Sign, Type B, Temp, Prismatic, Oper	8120351	640.000	Sft
0640	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	150.000	Sft
0650	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	150.000	Sft
0660	Traf Regulator Control	8120370	1.000	LSUM
0670	_ Riprap, Heavy, Modified	8137031	150.000	Ton
0680	Water, Sodding/Seeding	8160090	7.000	Unit
0690	Slope Restoration, Type B	8160101	400.000	Syd

0700	Monument Box Adjust	8210005	4.000	Ea
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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 030

Letting Date: December 1, 2017

Contract ID: 82000-132515-2

Description: Intelligent Transportation System upgrade at various locations 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
132515A	1782(081)	N/A	SUG 82000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$202,000.00	1500001	1.000	LSUM
0020	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0030	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0040	Minor Traf Devices	8120170	1.000	LSUM
0050	Plastic Drum, High Intensity, Furn	8120250	200.000	Ea
0060	Plastic Drum, High Intensity, Oper	8120251	200.000	Ea
0070	Sign, Type B, Temp, Prismatic, Furn	8120350	150.000	Sft
0080	Sign, Type B, Temp, Prismatic, Oper	8120351	150.000	Sft
0090	Cable, Sec, Rem	8190017	4,200.000	Ft
0100	Hh, Round, 3 foot dia	8190259	3.000	Ea
0110	Cable, Sec, 600V, 1, 3/C#6	8190399	4,450.000	Ft
0120	Wood Pole, Fit Up, TS and Sec Cable Pole	8190500	4.000	Ea
0130	_ Cable, P.J., 600V, 1, 10/C#16	8197001	11,070.000	Ft
0140	_ Cable, P.J., 600V, 1, 12/C#16	8197001	5,490.000	Ft
0150	_ Cable, P.J., 600V, 1, 3/C#16	8197001	3,010.000	Ft
0160	_ Cable, P.J., 600V, 1, 5/C#16	8197001	6,300.000	Ft
0170	_ Cable, P.J., 600V, 1, 7/C#16	8197001	27,720.000	Ft
0180	_ Cable, Shielded, 600V, 1, 2/C#12	8197001	1,450.000	Ft
0190	_ Conduit, Encased, 1, 3 inch, Modified	8197001	7.000	Ft
0200	_ Conduit, Encased, 2, 3 inch, Modified	8197001	26.000	Ft
0210	_ Conduit, Encased, 3, 4 inch, Modified	8197001	81.000	Ft
0220	_ Video Detection and Analytics System	8197050	20.000	Ea
0230	Controller and Cabinet, Rem	8200030	60.000	Ea
0240	Controller Fdn, Base Mount	8200045	13.000	Ea
0250	Controller Fdn, Rem	8200046	1.000	Ea
0260	Serv Disconnect	8200135	60.000	Ea
0270	_ Cellular Data Service for 3 Year	8207050	60.000	Ea
0280	_ Cellular Data Streaming for 2 hours per month and for 3 Year	8207050	20.000	Ea

0290	_ Controller and Cabinet, Digital Type, ITS	8207050	60.000	Ea
0300	_ Controller Fdn, Repair	8207050	3.000	Ea
0310	_ Video Capture and Streaming System	8207050	20.000	Ea
0320	_ Wireless Data Acquisition, Alerts and Analytics System	8207050	60.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 031

Letting Date: December 1, 2017

Contract ID: 79000-200557

Description: Joint replacement, beam end repairs, concrete sealants and hot mix asphalt approach work on Luder Road over Huron & Eastern Railroad, Tuscola County. This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200557A	1779(010)	N/A	BO 79000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$18,400.00	1500001	1.000	LSUM
0020	_ Clearing, Modified	2017002	3.000	Sta
0030	Guardrail, Rem	2040035	200.000	Ft
0040	Embankment, CIP	2050010	34.000	Cyd
0050	Excavation, Earth	2050016	125.000	Cyd
0060	Erosion Control, Inlet Protection, Fabric Drop	2080020	2.000	Ea
0070	Erosion Control, Silt Fence	2080036	480.000	Ft
0080	_ Aggregate Base, 8 inch, Modified	3027011	433.000	Syd
0090	Sidewalk, Conc, 4 inch	8030044	160.000	Sft
0100	Guardrail Anch, Bridge, Det T3	8070024	4.000	Ea
0110	Guardrail Approach Terminal, Type 2B	8070042	4.000	Ea
0120	Guardrail Reflector	8070080	24.000	Ea
0130	Pavt Mrkg, Waterborne, 4 inch, White	8110231	424.000	Ft
0140	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	424.000	Ft
0150	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	424.000	Ft
0160	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	424.000	Ft
0170	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0180	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0190	Minor Traf Devices	8120170	1.000	LSUM
0200	Sign, Type B, Temp, Prismatic, Furn	8120350	339.000	Sft
0210	Sign, Type B, Temp, Prismatic, Oper	8120351	339.000	Sft
0220	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	27.000	Sft
0230	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	27.000	Sft
0240	_ Pedestrian Type II Barricade, Temp	8127050	2.000	Ea
0250	_ Slope Restoration, Modified	8167011	670.000	Syd

Section: 2

0260	HMA, 13A	5010033	42.000	Ton
0270	HMA, LVSP	5010703	114.000	Ton
0280	_ HMA Surface, Rem, Modified	5017011	595.000	Syd
0290	Conc, Grade D	7060010	10.000	Cyd
0300	Expansion Joint Device	7060050	82.000	Ft
0310	Expansion Joint Device, Cover Plate	7060051	10.000	Ft
0320	Reinforcement, Steel, Epoxy Coated	7060092	262.000	Lb
0330	Superstructure Conc, Form, Finish, and Cure	7060111	1.000	LSUM
0340	Membrane, Preformed Waterproofing	7100008	2,226.000	Sft
0350	Substructure Horizontal Surface Sealer (SN 10673)	7100030	5.000	Syd
0360	_ Silane Treatment	7107010	3,778.000	Sft
0370	Hand Chipping, Other Than Deck	7120007	13.000	Cft
0380	Patch, Forming	7120017	17.000	Sft
0390	Deck Joint, Rem	7120071	82.000	Ft
0400	Patching Conc, C-L	7120112	1.000	Cyd
0410	_ Grout Repair	7127001	200.000	Ft
0420	_ Hand Chipping, Special	7127010	23.000	Sft
0430	_ Shear Strengthening System with FRP Sheet	7127010	32.000	Sft
0440	_ Beam End Repair, Latex Modified Conc	7127020	1.000	Cft
0450	Slope Paving, Precast Conc	8130025	9.000	Syd
0460	_ Railroad Inspection and Flagging	8507060	5,000.000	Dlr
0470	_ Railroad Protection	8507060	5,000.000	Dlr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 032

Letting Date: December 1, 2017

Contract ID: 79052-130047

Description: 21.89 mi of hot mix asphalt cold milling and resurfacing, joint repairs, concrete pavement, curb, gutter, sidewalk and ramps, spray applied sealer placement on three bridges, replacement of a portable intermittent truck weigh station and pavement markings on M-24 from the Cass River to the South Unionville village limit and on M-53 from Kinde Road to the south Port Austin village limit in the city of Caro, villages of Kinde and Port Austin, Tuscola and Huron Counties. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130047A	N/A	N/A	M 79052
130053A	N/A	N/A	M 32032

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Sidewalk Ramp Layout	1047051	1.000	LSUM
0020	Mobilization, Max \$384,900.00	1500001	1.000	LSUM
0030	Curb and Gutter, Rem	2040020	190.000	Ft
0040	Pavt, Rem	2040050	40.000	Syd
0050	Sidewalk, Rem	2040055	92.000	Syd
0060	Embankment, CIP	2050010	43.000	Cyd
0070	Excavation, Earth	2050016	177.000	Cyd
0080	Erosion Control, Inlet Protection, Fabric Drop	2080020	74.000	Ea
0090	Aggregate Base, 4 inch	3020010	78.000	Syd
0100	Aggregate Base, 6 inch	3020016	407.000	Syd
0110	Trenching	3070200	300.000	Sta
0120	_ Shoulder, CI II, Modified	3077031	4,098.000	Ton
0130	Dr Structure Cover, Adj, Case 1	4030005	1.000	Ea
0140	Dr Structure Cover, Type K	4030050	1.000	Ea
0150	Cold Milling HMA Surface	5010002	188,936.000	Syd
0160	HMA Surface, Rem	5010005	216.000	Syd
0170	HMA Quality Initiative	5010007	86,682.000	Dlr
0180	Pavt for Butt Joints, Rem	5010008	20.000	Syd
0190	Longitudinal Joint Density Quality Initiative	5010018	125,582.000	Dlr
0200	Pavt Joint and Crack Repr, Det 7	5010020	4,124.000	Ft
0210	Pavt Joint and Crack Repr, Det 8	5010021	4,124.000	Ft
0220	Hand Patching	5010025	3,240.000	Ton
0230	HMA Approach	5010061	1,330.000	Ton
0240	HMA, 5E1, High Stress	5010514	2,037.000	Ton

0250	HMA Approach, High Stress	5010520	321.000	Ton
0260	HMA, LVSP	5010703	36,413.000	Ton
0270	_ Micro Cold Milling, HMA, 0 to 2 inches	5017011	252,678.000	Syd
0280	Conc Pavt, Misc, Nonreinf, 10 inch	6020058	214.000	Syd
0290	Joint, Contraction, Cp	6020200	168.000	Ft
0300	_ Spray Applied Waterproofing Membrane	7127011	335.000	Syd
0310	_ Portable Intermittent Truck Weigh Station Trench	8007050	1.000	Ea
0320	Curb and Gutter, Conc, Det F3	8020037	100.000	Ft
0330	Detectable Warning Surface	8030010	90.000	Ft
0340	Curb Ramp Opening, Conc	8030030	90.000	Ft
0350	Sidewalk Ramp, Conc, 4 inch	8030034	690.000	Sft
0360	Curb Sloped, HMA	8050010	240.000	Ft
0370	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	8110025	1,266.000	Ft
0380	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	76.000	Ft
0390	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	332.000	Ft
0400	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	13.000	Ea
0410	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	2.000	Ea
0420	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	25.000	Ea
0430	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	8110078	6.000	Ea
0440	Pavt Mrkg, Waterborne, 4 inch, White	8110231	4,769.000	Ft
0450	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	67,599.000	Ft
0460	Pavt Mrkg, Waterborne, 6 inch, White	8110233	229,628.000	Ft
0470	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	4,769.000	Ft
0480	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	67,599.000	Ft
0490	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	229,628.000	Ft
0500	Witness, Log, \$1,000.00	8110350	2,000.000	Dlr
0510	Channelizing Device, 42 inch, Furn	8120030	665.000	Ea
0520	Channelizing Device, 42 inch, Oper	8120031	665.000	Ea
0530	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0540	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0550	Ltg for Night Work	8120160	1.000	LSUM
0560	Minor Traf Devices	8120170	1.000	LSUM
0570	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	255.000	Ft
0580	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	6,020.000	Ft
0590	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	380.000	Ft
0600	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	12,420.000	Ft
0610	Plastic Drum, High Intensity, Furn	8120250	45.000	Ea
0620	Plastic Drum, High Intensity, Oper	8120251	45.000	Ea
0630	Sign Cover	8120310	16.000	Ea
0640	Sign, Type B, Temp, Prismatic, Furn	8120350	1,424.000	Sft
0650	Sign, Type B, Temp, Prismatic, Oper	8120351	1,424.000	Sft
0660	Traf Regulator Control	8120370	1.000	LSUM

0670	_ Pedestrian Type II Barricade, Temp	8127050	12.000	Ea
0680	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	4.000	Ea
0690	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	4.000	Ea
0700	Slope Restoration, Type A	8160100	225.000	Syd
0710	Monument Box	8210001	21.000	Ea
0720	Monument Preservation	8210010	21.000	Ea
0730	Centerline Corrugations, Milled, HMA	8220013	97,100.000	Ft
0740	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	78,000.000	Ft
0750	_ Railroad Protection, At Grade Crossing	8507060	500.000	Dlr

Schedule of Pay Items

Report v1

Letting Call: 171201 033

Letting Date: December 1, 2017

Contract ID: 38061-132562

Description: 3.39 mi of hot mix asphalt cold milling and single course overlay, detail 7 joint repairs, shoulder gravel and pavement markings on M-60 from east of Renfrew Boulevard to south of I-94, Jackson County.
This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132562A	1800074	N/A	NH 38061

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$139,400.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	1,784.000	Ton
0030	Pavt, Cleaning	5010001	1.000	LSUM
0040	Cold Milling HMA Surface	5010002	134,559.000	Syd
0050	HMA Quality Initiative	5010007	24,428.000	Dlr
0060	Longitudinal Joint Density Quality Initiative	5010018	72,230.000	Dlr
0070	Pavt Joint and Crack Repr, Det 7	5010020	1,250.000	Ft
0080	Hand Patching	5010025	100.000	Ton
0090	HMA, 5E10	5010058	11,308.000	Ton
0100	HMA, 5E10, High Stress	5010516	681.000	Ton
0110	HMA Approach, High Stress	5010520	125.000	Ton
0120	Delineator Reflector, Red	8100131	42.000	Ea
0130	Delineator Reflector, Yellow	8100132	40.000	Ea
0140	Delineator Reflector, White	8100134	236.000	Ea
0150	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	10.000	Ea
0160	Delineator, Rem	8100349	280.000	Ea
0170	Post, Flexible, Delineator	8100360	10.000	Ea
0180	Post, Rigid, Delineator	8100361	280.000	Ea
0190	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Symbol	8110051	2.000	Ea
0200	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	225.000	Ft
0210	Pavt Mrkg, Waterborne, 4 inch, White	8110231	9,029.000	Ft
0220	Pavt Mrkg, Waterborne, 6 inch, White	8110233	43,525.000	Ft
0230	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	43,525.000	Ft
0240	Pavt Mrkg, Waterborne, 12 inch, White	8110237	2,549.000	Ft
0250	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	9,029.000	Ft
0260	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	43,525.000	Ft

0270	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	43,525.000	Ft
0280	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	2,549.000	Ft
0290	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0300	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	3.000	Ea
0310	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	2.000	Ea
0320	Barricade, Type III, High Intensity, Lighted, Furn	8120022	4.000	Ea
0330	Barricade, Type III, High Intensity, Lighted, Oper	8120023	4.000	Ea
0340	Channelizing Device, 42 inch, Furn	8120030	250.000	Ea
0350	Channelizing Device, 42 inch, Oper	8120031	250.000	Ea
0360	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0370	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0380	Ltg for Night Work	8120160	1.000	LSUM
0390	Minor Traf Devices	8120170	1.000	LSUM
0400	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	52,554.000	Ft
0410	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	43,525.000	Ft
0420	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0430	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0440	Sign Cover	8120310	18.000	Ea
0450	Sign, Portable, Changeable Message, Furn	8120330	5.000	Ea
0460	Sign, Portable, Changeable Message, Oper	8120331	5.000	Ea
0470	Sign, Type B, Temp, Prismatic, Furn	8120350	1,200.000	Sft
0480	Sign, Type B, Temp, Prismatic, Oper	8120351	1,200.000	Sft
0490	Traf Regulator Control	8120370	1.000	LSUM
0500	Shoulder Corrugations, Ground or Cut, HMA	8220001	33,518.000	Ft

Schedule of Pay Items

Report v1

Letting Call: 171201 034

Letting Date: December 1, 2017

Contract ID: 62031-200549

Description: 5.02 mi of hot mix asphalt cold milling and resurfacing on M-37 from north 128th Street to south of Commerce Street and from north of State Street to south of M-82 in the cities of Grant and Newaygo, 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
200549A	N/A	N/A	M 62031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$123,200.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	500.000	Ton
0030	Trenching	3070200	10.000	Sta
0040	Cold Milling HMA Surface	5010002	107,179.000	Syd
0050	Bump Grinding	5010004	200.000	Syd
0060	HMA Quality Initiative	5010007	24,258.000	Dlr
0070	Longitudinal Joint Density Quality Initiative	5010018	50,772.000	Dlr
0080	HMA, 5E3	5010057	11,880.000	Ton
0090	HMA Approach	5010061	249.000	Ton
0100	Curb Sloped, HMA	8050010	400.000	Ft
0110	Delineator Reflector, Green Delineator Reflector, Green	8100133	47.000	Ea
0120	Delineator Reflector, White Delineator Reflector, White	8100134	3.000	Ea
0130	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	112.000	Ea
0140	Delineator, Rem	8100349	48.000	Ea
0150	Post, Flexible, Delineator	8100360	56.000	Ea
0160	Post, Rigid, Delineator Post, Rigid, Delineator	8100361	50.000	Ea
0170	Pavt Mrkg, Ovly Cold Plastic, Merge Arrow Symbol	8110050	2.000	Ea
0180	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0190	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
0200	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	24.000	Ft
0210	Pavt Mrkg, Waterborne, 4 inch, White	8110231	485.000	Ft
0220	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	37,535.000	Ft
0230	Pavt Mrkg, Waterborne, 6 inch, White	8110233	49,882.000	Ft
0240	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	485.000	Ft
0250	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	37,535.000	Ft
0260	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	49,882.000	Ft

0270	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0280	Recessing Pavt Mrkg, Longit	8110450	87,902.000	Ft
0290	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0300	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0310	Minor Traf Devices	8120170	1.000	LSUM
0320	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	485.000	Ft
0330	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	4,166.000	Ft
0340	Plastic Drum, High Intensity, Furn	8120250	27.000	Ea
0350	Plastic Drum, High Intensity, Oper	8120251	27.000	Ea
0360	Sign Cover	8120310	4.000	Ea
0370	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0380	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0390	Sign, Type B, Temp, Prismatic, Furn	8120350	700.000	Sft
0400	Sign, Type B, Temp, Prismatic, Oper	8120351	700.000	Sft
0410	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	64.000	Sft
0420	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	64.000	Sft
0430	Traf Regulator Control	8120370	1.000	LSUM
0440	Riprap, Plain	8130010	4.000	Syd
0450	Paved Ditch, HMA	8140010	10.000	Syd
0460	Monument Box	8210001	6.000	Ea
0470	Monument Preservation	8210010	6.000	Ea
0480	Centerline Corrugations, Milled, HMA	8220013	24,492.000	Ft
0490	_ Railroad Protection, at Grade Crossing	8507060	2,000.000	Dlr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 035

Letting Date: December 1, 2017

Contract ID: 25072-130043

Description: 2.36 mi of hot mix asphalt cold milling and resurfacing, joint repairs and aggregate shoulders on M-54 from Mt. Morris Road to North Saginaw Road, Genesee County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130043A	N/A	N/A	M 25072

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$56,200.00	1500001	1.000	LSUM
0020	_ Shoulder, CI II, Modified	3077031	1,000.000	Ton
0030	Cold Milling HMA Surface	5010002	42,000.000	Syd
0040	HMA Quality Initiative	5010007	8,240.000	Dlr
0050	Longitudinal Joint Density Quality Initiative	5010018	14,000.000	Dlr
0060	Hand Patching	5010025	150.000	Ton
0070	HMA, 5E3	5010057	3,500.000	Ton
0080	HMA Approach	5010061	40.000	Ton
0090	HMA, 5E3, High Stress	5010515	430.000	Ton
0100	_ Pavt Joint and Crack Repr, Det 7, Special	5017001	790.000	Ft
0110	_ Pavt Joint and Crack Repr, Det 8, Special	5017001	790.000	Ft
0120	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	600.000	Ft
0130	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	200.000	Ft
0140	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	6.000	Ea
0150	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0160	Recessing Pavt Mrkg, Longit	8110450	27,700.000	Ft
0170	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	700.000	Ft
0180	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	13,000.000	Ft
0190	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, Yellow	8110504	14,000.000	Ft
0200	Channelizing Device, 42 inch, Furn	8120030	125.000	Ea
0210	Channelizing Device, 42 inch, Oper	8120031	125.000	Ea
0220	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0230	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	13,700.000	Ft
0260	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	14,000.000	Ft

0270	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	1,300.000	Ft
0280	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,200.000	Ft
0290	Plastic Drum, High Intensity, Furn	8120250	20.000	Ea
0300	Plastic Drum, High Intensity, Oper	8120251	20.000	Ea
0310	Sign Cover	8120310	8.000	Ea
0320	Sign, Type B, Temp, Prismatic, Furn	8120350	1,436.000	Sft
0330	Sign, Type B, Temp, Prismatic, Oper	8120351	1,436.000	Sft
0340	Traf Regulator Control	8120370	1.000	LSUM
0350	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	3.000	Ea
0360	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	3.000	Ea
0370	Monument Box	8210001	2.000	Ea
0380	Monument Preservation	8210010	2.000	Ea
0390	Centerline Corrugations, Milled, HMA	8220013	11,000.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 036

Letting Date: December 1, 2017

Contract ID: 67022-131667

Description: 3.28 mi of hot mix asphalt cold milling and resurfacing on US-10 from west of M-66 easterly to west of the Osceola east county line, Osceola County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131667A	1800072	N/A	NH 67022

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$54,400.00	1500001	1.000	LSUM
0020	Approach, CI II	3070021	10.000	Ton
0030	Shoulder, CI II	3070121	880.000	Ton
0040	Cold Milling HMA Surface	5010002	63,899.000	Syd
0050	Bump Grinding	5010004	100.000	Syd
0060	HMA Quality Initiative	5010007	11,282.000	Dlr
0070	Longitudinal Joint Density Quality Initiative	5010018	22,620.000	Dlr
0080	HMA, 5E1	5010056	5,418.000	Ton
0090	HMA Approach	5010061	223.000	Ton
0100	Delineator Reflector, Green	8100133	22.000	Ea
0110	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	52.000	Ea
0120	Delineator, Rem	8100349	57.000	Ea
0130	Post, Flexible, Delineator	8100360	26.000	Ea
0140	Post, Rigid, Delineator	8100361	22.000	Ea
0150	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
0160	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	96.000	Ft
0170	Pavt Mrkg, Waterborne, 4 inch, White	8110231	350.000	Ft
0180	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	7,490.000	Ft
0190	Pavt Mrkg, Waterborne, 6 inch, White	8110233	35,250.000	Ft
0200	Recessing Pavt Mrkg, Longit	8110450	43,090.000	Ft
0210	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0220	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0230	Minor Traf Devices	8120170	1.000	LSUM
0240	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	350.000	Ft
0250	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,540.000	Ft
0260	Plastic Drum, High Intensity, Furn	8120250	18.000	Ea

0270	Plastic Drum, High Intensity, Oper	8120251	18.000	Ea
0280	Sign Cover	8120310	4.000	Ea
0290	Sign, Type B, Temp, Prismatic, Furn	8120350	620.000	Sft
0300	Sign, Type B, Temp, Prismatic, Oper	8120351	620.000	Sft
0310	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	20.000	Sft
0320	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	20.000	Sft
0330	Traf Regulator Control	8120370	1.000	LSUM
0340	Centerline Corrugations, Milled, HMA	8220013	15,700.000	Ft
0350	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	3,500.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 037

Letting Date: December 1, 2017

Contract ID: 39031-120545

Description: 0.19 mi of hot mix asphalt cold milling and resurfacing, concrete base course, curb and gutter, earthwork, aggregate base and pavement markings on M-96 at G Avenue, Kalamazoo County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
120545A	1800050	N/A	HSIP 39031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$11,000	1500001	1.000	LSUM
0020	Clearing	2010001	0.200	Acre
0030	Curb and Gutter, Rem	2040020	99.000	Ft
0040	Pavt, Rem	2040050	16.000	Syd
0050	Embankment, LM	2050011	100.000	Cyd
0060	Excavation, Earth	2050016	600.000	Cyd
0070	Subgrade Undercutting, Type II	2050041	100.000	Cyd
0080	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0090	Erosion Control, Silt Fence	2080036	540.000	Ft
0100	Subbase, LM	3010003	366.000	Cyd
0110	Aggregate Base, 6 inch	3020016	765.000	Syd
0120	Shoulder, CI II	3070121	66.000	Ton
0130	Cold Milling HMA Surface	5010002	465.000	Syd
0140	HMA Surface, Rem	5010005	104.000	Syd
0150	HMA Quality Initiative	5010007	648.000	Dlr
0160	HMA Approach	5010061	308.000	Ton
0170	Conc Base Cse, Nonreinf, 6 inch	6020015	13.000	Syd
0180	Curb and Gutter, Conc, Det B2	8020016	78.000	Ft
0190	Shoulder Gutter, Conc, Det 2	8020056	1.000	Ea
0200	Shoulder Gutter, Conc, Det 3	8020057	1.000	Ea
0210	Spillway, Conc	8020075	14.000	Ft
0220	Delineator Reflector, Green	8100133	2.000	Ea
0230	Delineator, Rem	8100349	2.000	Ea
0240	Post, Rigid, Delineator	8100361	2.000	Ea
0250	Post, Steel, 3 lb	8100371	134.000	Ft
0260	Post, Wood, 4 inch by 6 inch	8100380	32.000	Ft
0270	Sign, Type II, Rem	8100397	2.000	Ea
0280	Sign, Type IIB	8100399	13.000	Sft

0290	Sign, Type III, Rem	8100403	5.000	Ea
0300	Sign, Type IIIA	8100404	18.000	Sft
0310	Sign, Type IIIB	8100405	18.000	Sft
0320	Sign, Type VB	8100425	32.000	Sft
0330	Reflective Panel for Permanent Sign Support, 6 foot	8100616	12.000	Ea
0340	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, White	8110039	143.000	Ft
0350	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	42.000	Ft
0360	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	1.000	Ea
0370	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	2.000	Ea
0380	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	3.000	Ea
0390	Pavt Mrkg, Waterborne, 4 inch, White	8110231	780.000	Ft
0400	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	3,700.000	Ft
0410	Pavt Mrkg, Waterborne, 6 inch, White	8110233	2,950.000	Ft
0420	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	780.000	Ft
0430	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	3,700.000	Ft
0440	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	2,950.000	Ft
0450	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
0460	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea
0470	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0480	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0490	Minor Traf Devices	8120170	1.000	LSUM
0500	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	350.000	Ft
0510	Plastic Drum, High Intensity, Furn	8120250	60.000	Ea
0520	Plastic Drum, High Intensity, Oper	8120251	60.000	Ea
0530	Sign Cover	8120310	5.000	Ea
0540	Sign, Type B, Temp, Prismatic, Furn	8120350	516.000	Sft
0550	Sign, Type B, Temp, Prismatic, Oper	8120351	516.000	Sft
0560	Traf Regulator Control	8120370	1.000	LSUM
0570	Riprap, Plain	8130010	10.000	Syd
0580	_ Turf Establishment, Performance-No Rye	8167011	620.000	Syd
0590	Contractor Staking	8240001	1.000	LSUM
0600	Staking Plan Errors and Extras, One Person	8240020	2.000	Hr
0610	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0620	Staking Plan Errors and Extras, Three Person	8240022	1.000	Hr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 038

Letting Date: December 1, 2017

Contract ID: 41029-118729

Description: 13.04 mi of freeway sign upgrading, delineator installations, steel sheet piling, and concrete glare screen along I-196 from 8th Avenue to east of Fuller Avenue, Ottawa and Kent Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
118729A	1800075	N/A	NHG 41029

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$195,500.00	1500001	1.000	LSUM
0020	Concrete Barrier, Rem	2040010	38.000	Ft
0030	Exploratory Investigation, Vertical	2040080	40.000	Ft
0040	Subbase, CIP	3010002	10.000	Cyd
0050	Aggregate Base, 6 inch	3020016	35.000	Syd
0060	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea
0070	Underdrain, Subgrade, 6 inch	4040073	38.000	Ft
0080	HMA Surface, Rem	5010005	35.000	Syd
0090	Steel Sheet Piling, Temp, Left in Place	7040003	660.000	Sft
0100	Valley Gutter, Conc	8020060	76.000	Ft
0110	Glare Screen, Conc	8040015	38.000	Ft
0120	Sign Support Fdn, Conc Barrier, Truss Type C	8040026	1.000	Ea
0130	Band, Sign	8100010	40.000	Ea
0140	Bridge Sign Connection, Bolt Replacement	8100020	5.000	Ea
0150	Bridge Sign Connection, Conc, Type A1	8100031	43.000	Ea
0160	Bridge Sign Connection, Steel, Type C	8100062	4.000	Ea
0170	Bridge Sign Connection, Steel, Type E	8100064	2.000	Ea
0180	Bridge Sign Connection, Steel, Type H	8100067	2.000	Ea
0190	Bridge Sign Connection, Type A, Rem	8100080	41.000	Ea
0200	Bridge Sign Connection, Type C, Rem	8100082	5.000	Ea
0210	Bridge Sign Connection, Type E, Rem	8100084	4.000	Ea
0220	Cantilever, Rem	8100090	3.000	Ea
0230	Cantilever, Type E	8100104	1.000	Ea
0240	Column, Breakaway, W8 x 13	8100120	30.000	Ea
0250	Column, Breakaway, W8 x 18	8100121	24.000	Ea
0260	Delineator Reflector, Red	8100131	290.000	Ea
0270	Delineator Reflector, Yellow	8100132	100.000	Ea
0280	Delineator Reflector, Green	8100133	340.000	Ea

0290	Delineator Reflector, White	8100134	1,820.000	Ea
0300	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	210.000	Ea
0310	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	50.000	Ea
0320	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	430.000	Ea
0330	Fdn, Breakaway, W8 x 13	8100160	30.000	Ea
0340	Fdn, Breakaway, W8 x 18	8100161	24.000	Ea
0350	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	26.000	Ft
0360	Fdn, Cantilever, Rem	8100190	2.000	Ea
0370	Fdn, Column Breakaway, Rem	8100220	42.000	Ea
0380	Fdn, Entire, Cantilever, Rem	8100230	14.000	Cyd
0390	Fdn, Truss Sign Structure Type E, 48 inch Dia, Cased	8100250	74.000	Ft
0400	Fdn, Truss Sign Structure Type E, 54 inch Dia, Cased	8100252	60.000	Ft
0410	Fdn, Truss, Type C	8100270	1.000	Ea
0420	Fdn, Wood Support, Rem	8100280	264.000	Ea
0430	Installing MDOT Supplied Sign, Type III	8100302	27.000	Ea
0440	Median Barrier Connection, Conc, Perforated Steel Square Tube	8100311	39.000	Ea
0450	Perforated Steel Square Tube Breakaway System	8100330	74.000	Ea
0460	Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem	8100331	10.000	Ea
0470	Post Hole Through Conc for Steel Post	8100340	7.000	Ea
0480	Post Hole Through Conc for Wood Post	8100341	2.000	Ea
0490	Delineator, Rem	8100349	2,730.000	Ea
0500	Post, Flexible, Delineator	8100360	480.000	Ea
0510	Post, Rigid, Delineator	8100361	2,250.000	Ea
0520	Post, Steel, 3 lb	8100371	13,664.000	Ft
0530	Post, Wood, 4 inch by 6 inch	8100380	2,710.000	Ft
0540	Post, Wood, 6 inch by 8 inch	8100382	2,574.000	Ft
0550	Sign, Type I, Rem	8100391	115.000	Ea
0560	Sign, Type IA	8100392	12,607.000	Sft
0570	Sign, Type IB	8100393	1,520.000	Sft
0580	Sign, Type II, Erect, Salv	8100396	1.000	Ea
0590	Sign, Type II, Rem	8100397	266.000	Ea
0600	Sign, Type IIA	8100398	2,922.000	Sft
0610	Sign, Type IIB	8100399	1,810.000	Sft
0620	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0630	Sign, Type III, Rem	8100403	692.000	Ea
0640	Sign, Type IIIA	8100404	1,525.000	Sft
0650	Sign, Type IIIB	8100405	1,919.000	Sft
0660	Sign, Type IVB	8100411	21.000	Sft
0670	Transporting Salv MDOT Materials	8100420	1.000	LSUM
0680	Sign, Type VB	8100425	2,500.000	Sft
0690	Truss, Type C, 80 foot	8100462	1.000	Ea
0700	Truss, Type E, 85 foot	8100491	1.000	Ea

0710	Truss, Type E, 120 foot	8100498	1.000	Ea
0720	Reflective Panel for Permanent Sign Support, 3 foot	8100613	210.000	Ea
0730	Reflective Panel for Permanent Sign Support, 6 foot	8100616	203.000	Ea
0740	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0750	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0760	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0770	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0780	Ltg for Night Work	8120160	1.000	LSUM
0790	Minor Traf Devices	8120170	1.000	LSUM
0800	Mobile Attenuator	8120180	1.000	Ea
0810	Plastic Drum, Fluorescent, Furn	8120252	120.000	Ea
0820	Plastic Drum, Fluorescent, Oper	8120253	120.000	Ea
0830	Sign Cover	8120310	20.000	Ea
0840	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0850	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0860	Sign, Type A, Temp, Prismatic, Furn	8120340	28.000	Sft
0870	Sign, Type A, Temp, Prismatic, Oper	8120341	28.000	Sft
0880	Sign, Type B, Temp, Prismatic, Furn	8120350	2,500.000	Sft
0890	Sign, Type B, Temp, Prismatic, Oper	8120351	2,500.000	Sft
0900	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	32.000	Sft
0910	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	32.000	Sft
0920	Traf Regulator Control	8120370	1.000	LSUM
0930	Slope Restoration, Type A	8160100	300.000	Syd
0940	Slope Restoration, Type B	8160101	100.000	Syd
0950	Slope Restoration, Type C	8160102	100.000	Syd
0960	Slope Restoration, Type D	8160103	50.000	Syd
0970	Conduit, Rem	8190140	38.000	Ft
0980	Conduit, Schedule 80 PVC, 3 inch	8190159	38.000	Ft
0990	_ Cable, Install Salvaged	8197001	240.000	Ft
1000	_ Cable, Remove and Salvage	8197001	240.000	Ft
1010	Contractor Staking, Road Only	8240007	1.000	LSUM
1020	Staking Plan Errors and Extras, One Person	8240020	15.000	Hr
1030	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
1040	Staking Plan Errors and Extras, Three Person	8240022	9.000	Hr

Schedule of Pay Items

Report v1

Letting Call: 171201 039

Letting Date: December 1, 2017

Contract ID: 77132-122857

Description: Replacement of two box beams, substructure repair, bridge railing, hot mix asphalt overlay and approach, sewer, drainage, concrete driveway, sidewalk, curb, gutter, guardrail, installation of articulating concrete block system and pavement markings on M-25 over Howe Drain, St. Clair County. This project includes a 2 year concrete surface coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
122857A	1800073	N/A	NH 77132

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Incentive, M-25 (B01 of 77132), Completion of Work	1047060	30,000.000	Dlr
0020	Mobilization, Max \$37,200.00	1500001	1.000	LSUM
0030	Curb and Gutter, Rem	2040020	110.000	Ft
0040	Guardrail, Rem	2040035	280.000	Ft
0050	Pavt, Rem	2040050	205.000	Syd
0060	Sidewalk, Rem	2040055	25.000	Syd
0070	Embankment, CIP	2050010	25.000	Cyd
0080	Excavation, Earth	2050016	110.000	Cyd
0090	Erosion Control, Filter Bag	2080014	3.000	Ea
0100	Erosion Control, Gravel Filter Berm	2080018	180.000	Ft
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	9.000	Ea
0120	Erosion Control, Silt Fence	2080036	280.000	Ft
0130	Subbase, CIP	3010002	50.000	Cyd
0140	Aggregate Base, 6 inch	3020016	225.000	Syd
0150	Sewer, Cl A, 12 inch, Tr Det A	4020004	56.000	Ft
0160	Sewer Tap, 12 inch	4021204	1.000	Ea
0170	Dr Structure Cover, Adj, Case 1	4030005	4.000	Ea
0180	Dr Structure Cover, Type K	4030050	3.000	Ea
0190	Dr Structure Cover, Type R	4030070	2.000	Ea
0200	Dr Structure, 48 inch dia	4030210	1.000	Ea
0210	Cold Milling HMA Surface	5010002	480.000	Syd
0220	Bump Grinding	5010004	20.000	Syd
0230	HMA Surface, Rem	5010005	66.000	Syd
0240	Longitudinal Joint Density Quality Initiative	5010018	1,000.000	Dlr
0250	HMA Approach	5010061	175.000	Ton
0260	Driveway, Nonreinf Conc, 6 inch	8010005	65.000	Syd
0270	Curb and Gutter, Conc, Det C1	8020020	42.000	Ft

0280	Curb and Gutter, Conc, Det C6	8020025	110.000	Ft
0290	Driveway Opening, Conc, Det M	8020050	65.000	Ft
0300	Sidewalk, Conc, 4 inch	8030044	260.000	Sft
0310	Guardrail, Type B	8070000	88.000	Ft
0320	Guardrail, Type T	8070002	13.000	Ft
0330	Guardrail Anch, Bridge, Det T1	8070022	1.000	Ea
0340	Guardrail Anch, Bridge, Det T2	8070023	2.000	Ea
0350	Guardrail Approach Terminal, Type 1B	8070040	2.000	Ea
0360	Guardrail Reflector	8070080	8.000	Ea
0370	Fence, Chain Link, 60 inch	8080012	24.000	Ft
0380	Delineator Reflector, Green	8100133	2.000	Ea
0390	Post, Rigid, Delineator	8100361	2.000	Ea
0400	Pavt Mrkg, Waterborne, 4 inch, White	8110231	140.000	Ft
0410	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	660.000	Ft
0420	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	140.000	Ft
0430	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	660.000	Ft
0440	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	34.000	Ea
0450	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	34.000	Ea
0460	Minor Traf Devices	8120170	1.000	LSUM
0470	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	50.000	Ft
0480	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	50.000	Ft
0490	Plastic Drum, High Intensity, Furn	8120250	70.000	Ea
0500	Plastic Drum, High Intensity, Oper	8120251	70.000	Ea
0510	Sign Cover	8120310	50.000	Ea
0520	Sign, Type B, Temp, Prismatic, Furn	8120350	472.000	Sft
0530	Sign, Type B, Temp, Prismatic, Oper	8120351	472.000	Sft
0540	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	125.000	Sft
0550	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	125.000	Sft
0560	_ Pedestrian Type II Barricade, Temp	8127050	4.000	Ea
0570	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	6.000	Ea
0580	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	6.000	Ea
0590	_ Turf Establishment, Performance	8167011	65.000	Syd
0600	Contractor Staking	8240001	1.000	LSUM
0610	Staking Plan Errors and Extras, One Person	8240020	3.000	Hr
0620	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0630	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr

Section: 2

0640	Asbestos Materials, Rem and Disposal	2040001	7,000.000	Dlr
0650	Backfill, Structure, CIP	2060002	30.000	Cyd
0660	Excavation, Fdn	2060010	30.000	Cyd

0670	_ Articulating Conc Block System, 6 inch	2087011	243.000	Syd
0680	Underdrain, Fdn, 4 inch	4040031	238.000	Ft
0690	_ Micro Cold Milling, HMA, 0 to 3 1/2 inches	5017011	184.000	Syd
0700	Reinforcement, Steel, Epoxy Coated	7060092	1,081.000	Lb
0710	_ Expansive Waterstop	7067001	52.000	Ft
0720	Structural Steel, Mixed, Erect	7070050	910.000	Lb
0730	Structural Steel, Mixed, Furn and Fab	7070051	910.000	Lb
0740	Prest Conc Deck, 17 inch	7080002	161.000	Sft
0750	Post Tensioning (B01 of 77132)	7080015	1.000	LSUM
0760	Conc Surface Coating, Warranty (B01 of 77132)	7100009	1.000	LSUM
0770	_ Spray Applied Waterproofing Membrane	7107011	228.000	Syd
0780	_ Bridge Barrier Railing, Aesthetic, High Performance	7117001	53.000	Ft
0790	Hand Chipping, Other Than Deck	7120007	260.000	Cft
0800	Patch, Forming	7120017	901.000	Sft
0810	Adhesive Anchoring of Vertical Bar, 5/8 inch	7120033	78.000	Ea
0820	Structures, Rehabilitation, Rem Portions (B01 of 77132)	7120070	1.000	LSUM
0830	Patching Conc, C-L	7120112	12.000	Cyd
0840	Embedded Galvanic Anode	7120120	420.000	Ea
0850	_ Hand Chipping, Special	7127020	26.000	Cft

Schedule of Pay Items

Report v1

Letting Call: 171201 040

Letting Date: December 1, 2017

Contract ID: 34043-117874

Description: Tree and shrub replacement and miscellaneous landscaping on I-96 eastbound at the Saranac Rest Area, Ionia County. This is a Small Business Program project. Only those approved by MDOT as a Small Business may be eligible to bid as a prime contractor.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
117874A	1800065	N/A	IM 34043

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$11,300.00	1500001	1.000	LSUM
0020	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	75.000	Ea
0030	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	75.000	Ea
0040	Lighted Arrow, Type A, Furn	8120120	1.000	Ea
0050	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0060	Minor Traf Devices	8120170	1.000	LSUM
0070	Sign, Type B, Temp, Prismatic, Furn	8120350	252.000	Sft
0080	Sign, Type B, Temp, Prismatic, Oper	8120351	252.000	Sft
0090	Site Preparation, Max \$14,000.00	8150001	1.000	LSUM
0100	Watering and Cultivating, First Season, Min \$7,000.00	8150002	1.000	LSUM
0110	Watering and Cultivating, Second Season, Min \$9,000.00	8150003	1.000	LSUM
0120	Acer platanoides Cleveland, 2 inch	8150105	6.000	Ea
0130	Acer rubrum Red Sunset, 2 inch	8150145	7.000	Ea
0140	Amelanchier x grandifolia Robin Hill, clump form, 5 foot	8150336	9.000	Ea
0150	Aronia arbutifolia Brilliantissima, #5 cont.	8150348	11.000	Ea
0160	Fothergilla gardenii, #5 cont.	8151521	21.000	Ea
0170	Juniperus chinensis Pfitzeriana Compacta, #5 cont.	8151939	35.000	Ea
0180	Malus Indian Magic, 2 inch	8152312	11.000	Ea
0190	Malus Prairie Fire, 2 inch	8152315	23.000	Ea
0200	Ostrya virginiana, 2 inch	8152528	5.000	Ea
0210	Picea glauca 'Densata', 5 foot	8152755	16.000	Ea
0220	Pinus heldreichii, 6 foot	8152816	19.000	Ea
0230	Pinus nigra, 6 foot	8152843	8.000	Ea
0240	Prunus sargentii, 2 inch	8152939	3.000	Ea
0250	Quercus rubra, 2 inch	8153126	7.000	Ea
0260	Spiraea japonica 'Gold Mound', #3 cont.	8153583	46.000	Ea

0270	Tilia cordata 'Greenspire', 2 inch	8153862	6.000	Ea
0280	Viburnum trilobum 'Compactum', #5 cont.	8154169	10.000	Ea
0290	_ Steel Landscape Edging, 4 inch	8157001	250.000	Ft
0300	_ Landscape Fabric	8157011	210.000	Syd
0310	_ Peat Soil, Special	8157011	20.000	Syd
0320	_ Shredded Bark Mulch	8157021	40.000	Cyd
0330	_ Horticultural Work	8157040	80.000	Hr
0340	_ Native Pollinator Seeding and Establishment	8167011	2,040.000	Syd
0350	_ Maintenance, First Season	8167060	5,000.000	Dlr
0360	_ Maintenance, Second Season	8167060	5,000.000	Dlr



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 041

Letting Date: December 1, 2017

Contract ID: 08447-131205

Description: 1.15 mi of concrete sidewalk and ramps, curb, gutter, sewer and pavement markings at Hastings Middle School, Central and Northeastern Elementary Schools in the city of Hastings, Barry County.
This is a Local Agency Project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131205A	1708007	N/A	TAUL 08447

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$62,700.00	1500001	1.000	LSUM
0020	Stump, Rem, 19 inch to 36 inch	2020006	5.000	Ea
0030	Stump, Rem, 37 inch or Larger	2020007	1.000	Ea
0040	Stump, Rem, 6 inch to 18 inch	2020008	45.000	Ea
0050	Sewer, Rem, Less than 24 inch	2030015	30.000	Ft
0060	Curb and Gutter, Rem	2040020	2,700.000	Ft
0070	Pavt, Rem	2040050	2,210.000	Syd
0080	Sidewalk, Rem	2040055	1,135.000	Syd
0090	Embankment, CIP	2050010	200.000	Cyd
0100	Excavation, Earth	2050016	1,315.000	Cyd
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	38.000	Ea
0120	Erosion Control, Silt Fence	2080036	200.000	Ft
0130	Subbase, CIP	3010002	1,000.000	Cyd
0140	Maintenance Gravel, LM	3060021	100.000	Cyd
0150	Sewer, CI E, 12 inch, Tr Det B	4020600	30.000	Ft
0160	Dr Structure Cover, Adj, Case 1	4030005	37.000	Ea
0170	Dr Structure Cover, Type K	4030050	37.000	Ea
0180	Hand Patching	5010025	83.000	Ton
0190	Conc Base Cse, Nonreinf, 6 inch	6020015	670.000	Syd
0200	Driveway, Nonreinf Conc, 6 inch	8010005	1,850.000	Syd
0210	Curb and Gutter, Conc, Det F4	8020038	2,700.000	Ft
0220	Detectable Warning Surface	8030010	800.000	Ft
0230	Sidewalk Ramp, Conc, 6 inch	8030036	6,575.000	Sft
0240	Sidewalk, Conc, 4 inch	8030044	47,240.000	Sft
0250	Sidewalk, Conc, 6 inch	8030046	5,800.000	Sft
0260	Post, Mailbox	8070095	10.000	Ea
0270	Fence, Chain Link, 60 inch	8080012	40.000	Ft

0280	Fence Post	8080130	5.000	Ea
0290	Post, Steel, 3 lb	8100371	250.000	Ft
0300	Sign, Type IA	8100392	200.000	Sft
0310	Sign, Type III, Erect, Salv	8100402	9.000	Ea
0320	_ Block Wall, Landscape, Nonreinf	8107010	430.000	Sft
0330	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	1,945.000	Ft
0340	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	2,565.000	Ft
0350	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	525.000	Ft
0360	Recessing Pavt Mrkg, Transv	8110451	4,525.000	Sft
0370	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	12.000	Ea
0380	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	12.000	Ea
0390	Channelizing Device, 42 inch, Furn	8120030	70.000	Ea
0400	Channelizing Device, 42 inch, Oper	8120031	70.000	Ea
0410	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0420	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0430	Minor Traf Devices	8120170	1.000	LSUM
0440	Plastic Drum, High Intensity, Furn	8120250	60.000	Ea
0450	Plastic Drum, High Intensity, Oper	8120251	60.000	Ea
0460	Sign Cover	8120310	5.000	Ea
0470	Sign, Type B, Temp, Prismatic, Furn	8120350	100.000	Sft
0480	Sign, Type B, Temp, Prismatic, Oper	8120351	100.000	Sft
0490	_ Pedestrian Type II Barricade, Temp	8127050	20.000	Ea
0500	Slope Restoration, Type A	8160100	6,925.000	Syd
0510	Gate Box, Adj, Temp, Case 2	8230392	5.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 042

Letting Date: December 1, 2017

Contract ID: 06111-132099

Description: 13.18 mi of hot mix asphalt cold milling and resurfacing, joint repairs and pavement markings on southbound I-75 from Lincoln Road north to the Arenac/Ogemaw county line, Arenac County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132099A	1800078	N/A	IM 06111

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$329,600.00	1500001	1.000	LSUM
0020	_ Shoulder, CI II - Modified	3027031	1,000.000	Ton
0030	Cold Milling HMA Surface	5010002	344,600.000	Syd
0040	Bump Grinding	5010004	5,000.000	Syd
0050	HMA Quality Initiative	5010007	58,050.000	Dlr
0060	Pavt for Butt Joints, Rem	5010008	1,000.000	Syd
0070	Longitudinal Joint Density Quality Initiative	5010018	207,000.000	Dlr
0080	Pavt Joint and Crack Repr, Det 7	5010020	500.000	Ft
0090	Pavt Joint and Crack Repr, Det 8	5010021	3,000.000	Ft
0100	Hand Patching	5010025	350.000	Ton
0110	HMA, 5E10	5010058	28,450.000	Ton
0120	HMA Approach	5010061	225.000	Ton
0130	Pavt Mrkg, Ovly Cold Plastic, 4 inch, Wet Reflective, White	8110380	17,550.000	Ft
0140	Recessing Pavt Mrkg, Longit	8110450	162,950.000	Ft
0150	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	70,000.000	Ft
0160	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	5,400.000	Ft
0170	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	70,000.000	Ft
0180	Barricade, Type III, High Intensity, Lighted, Furn	8120022	6.000	Ea
0190	Barricade, Type III, High Intensity, Lighted, Oper	8120023	6.000	Ea
0200	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	500.000	Ea
0210	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	500.000	Ea
0220	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0230	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	75,000.000	Ft
0260	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	75,000.000	Ft

0270	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	6,000.000	Ft
0280	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,000.000	Ft
0290	Plastic Drum, Fluorescent, Furn	8120252	100.000	Ea
0300	Plastic Drum, Fluorescent, Oper	8120253	100.000	Ea
0310	Sign Cover	8120310	25.000	Ea
0320	Sign, Type B, Temp, Prismatic, Furn	8120350	1,200.000	Sft
0330	Sign, Type B, Temp, Prismatic, Oper	8120351	1,200.000	Sft
0340	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	3.000	Ea
0350	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	3.000	Ea
0360	Monument Box	8210001	5.000	Ea
0370	Monument Preservation	8210010	5.000	Ea
0380	Protect Corners	8210020	5.000	Ea
0390	Shoulder Corrugations, Ground or Cut, HMA	8220001	138,000.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 043

Letting Date: December 1, 2017

Contract ID: 29012-118951

Description: 0.84 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, storm sewer, guardrail, signing and pavement markings on M-46 from Hidden Oaks Drive easterly to the Pine River in the city of St. Louis, Gratiot County. This project includes a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
118951A	1800079	N/A	HSIP 29012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$131,400.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.280	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	1.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	3.000	Ea
0050	Culv, Rem, Less than 24 inch	2030001	5.000	Ea
0060	Dr Structure, Rem	2030011	6.000	Ea
0070	Sewer, Rem, Less than 24 inch	2030015	441.000	Ft
0080	Curb and Gutter, Rem	2040020	1,421.000	Ft
0090	Fence, Rem	2040025	154.000	Ft
0100	Guardrail, Rem	2040035	813.000	Ft
0110	Pavt, Rem	2040050	131.000	Syd
0120	Sidewalk, Rem	2040055	297.000	Syd
0130	Exploratory Investigation, Vertical	2040080	20.000	Ft
0140	Embankment, CIP	2050010	996.000	Cyd
0150	Excavation, Earth	2050016	10,450.000	Cyd
0160	Non Haz Contaminated Material Handling and Disposal, LM	2050031	40.000	Cyd
0170	Erosion Control, Check Dam, Stone	2080012	169.000	Ft
0180	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0190	Erosion Control, Inlet Protection, Fabric Drop	2080020	25.000	Ea
0200	Erosion Control, Maintenance, Sediment Removal	2080026	30.000	Cyd
0210	Erosion Control, Sediment Trap	2080034	13.000	Ea
0220	Erosion Control, Silt Fence	2080036	2,277.000	Ft
0230	Project Cleanup	2090001	1.000	LSUM
0240	Subbase, CIP	3010002	4,757.000	Cyd
0250	Aggregate Base, 6 inch	3020016	11,110.000	Syd
0260	Aggregate Base, 9 inch	3020022	4,687.000	Syd

0270	Approach, CI II	3070021	11.000	Ton
0280	Shoulder, CI II, 6 inch	3070128	1,740.000	Syd
0290	Culv End Sect, 12 inch	4010012	16.000	Ea
0300	Culv End Sect, 18 inch	4010018	1.000	Ea
0310	Culv, CI F, 12 inch	4010607	474.000	Ft
0320	Dr Marker Post	4011109	28.000	Ea
0330	Sewer, CI E, 12 inch, Tr Det B	4020600	1,222.000	Ft
0340	Sewer, CI E, 18 inch, Tr Det B	4020602	368.000	Ft
0350	Video Taping Sewer and Culv Pipe	4021275	1,793.000	Ft
0360	Dr Structure Cover, Adj, Case 1	4030005	3.000	Ea
0370	Dr Structure Cover, Adj, Case 2	4030006	8.000	Ea
0380	Dr Structure Cover, Type B	4030010	1.000	Ea
0390	Dr Structure Cover, Type G	4030040	3.000	Ea
0400	Dr Structure Cover, Type J	4030045	6.000	Ea
0410	Dr Structure Cover, Type K	4030050	6.000	Ea
0420	Dr Structure, 24 inch dia	4030200	2.000	Ea
0430	Dr Structure, 48 inch dia	4030210	14.000	Ea
0440	Dr Structure, Adj, Add Depth	4030280	10.000	Ft
0450	Dr Structure, Tap, 12 inch	4030312	1.000	Ea
0460	Underdrain, PDS, Open-Graded, 24 inch	4040059	4,192.000	Ft
0470	Underdrain Outlet, 6 inch	4040093	879.000	Ft
0480	Underdrain, Outlet Ending, 6 inch	4040113	13.000	Ea
0490	Pavt, Cleaning	5010001	1.000	LSUM
0500	Cold Milling HMA Surface	5010002	11,907.000	Syd
0510	HMA Surface, Rem	5010005	10,465.000	Syd
0520	HMA Quality Initiative	5010007	10,338.000	Dlr
0530	Longitudinal Joint Density Quality Initiative	5010018	17,572.000	Dlr
0540	Hand Patching	5010025	20.000	Ton
0550	HMA, 3E3	5010045	916.000	Ton
0560	HMA, 4E3	5010051	1,040.000	Ton
0570	HMA, 5E3	5010057	1,923.000	Ton
0580	HMA Approach	5010061	1,259.000	Ton
0590	Conc Quality Initiative	6020401	57.000	Dlr
0600	Lane Tie, Epoxy Anchored	6030030	15.000	Ea
0610	Driveway, Nonreinf Conc, 6 inch	8010005	114.000	Syd
0620	Curb and Gutter, Conc, Det B2	8020016	2,540.000	Ft
0630	Curb and Gutter, Conc, Det F1	8020035	22.000	Ft
0640	Curb and Gutter, Conc, Det F2	8020036	640.000	Ft
0650	Driveway Opening, Conc, Det M	8020050	170.000	Ft
0660	Detectable Warning Surface	8030010	15.000	Ft
0670	Sidewalk Ramp, Conc, 6 inch	8030036	400.000	Sft
0680	Sidewalk, Conc, 4 inch	8030044	3,062.000	Sft
0690	_ Curb Ramp Opening, Conc	8037001	21.000	Ft
0700	Guardrail, Type B	8070000	800.000	Ft
0710	Guardrail Anch, Bridge, Det T2	8070023	2.000	Ea

0720	Guardrail Approach Terminal, Type 1B	8070040	1.000	Ea
0730	Guardrail Approach Terminal, Type 2B	8070042	1.000	Ea
0740	Guardrail Reflector	8070080	40.000	Ea
0750	Post, Mailbox	8070095	13.000	Ea
0760	_ Timber Rub Rail	8077001	392.000	Ft
0770	Fence, Chain Link, 48 inch	8080011	165.000	Ft
0780	Delineator Reflector, Green	8100133	27.000	Ea
0790	Fdn, Wood Support, Rem	8100280	3.000	Ea
0800	Installing MDOT Supplied Sign, Type III	8100302	2.000	Ea
0810	Post, Rigid, Delineator	8100361	27.000	Ea
0820	Post, Steel, 3 lb	8100371	594.000	Ft
0830	Post, Wood, 6 inch by 8 inch	8100382	36.000	Ft
0840	Sign, Type II, Erect, Salv	8100396	2.000	Ea
0850	Sign, Type II, Rem	8100397	9.000	Ea
0860	Sign, Type IIA	8100398	13.000	Sft
0870	Sign, Type IIB	8100399	8.000	Sft
0880	Sign, Type III, Erect, Salv	8100402	16.000	Ea
0890	Sign, Type III, Rem	8100403	40.000	Ea
0900	Sign, Type IIIA	8100404	59.000	Sft
0910	Sign, Type IIIB	8100405	90.000	Sft
0920	Sign, Type VB	8100425	16.000	Sft
0930	Reflective Panel for Permanent Sign Support, 6 foot	8100616	8.000	Ea
0940	_ Delineator, Rem	8107050	4.000	Ea
0950	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0960	Pavt Mrkg, Waterborne, 4 inch, White	8110231	312.000	Ft
0970	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	11,209.000	Ft
0980	Pavt Mrkg, Waterborne, 6 inch, White	8110233	8,645.000	Ft
0990	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	312.000	Ft
1000	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	11,209.000	Ft
1010	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	8,645.000	Ft
1020	Recessing Pavt Mrkg, Longit	8110450	20,166.000	Ft
1030	Channelizing Device, 42 inch, Furn	8120030	160.000	Ea
1040	Channelizing Device, 42 inch, Oper	8120031	160.000	Ea
1050	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
1060	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
1070	Minor Traf Devices	8120170	1.000	LSUM
1080	Pavt Mrkg Cover, Type R, Black	8120200	850.000	Ft
1090	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	10,000.000	Ft
1100	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	1,500.000	Ft
1110	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	10,000.000	Ft
1120	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,500.000	Ft
1130	Sign Cover	8120310	8.000	Ea

1140	Sign, Type B, Temp, Prismatic, Furn	8120350	864.000	Sft
1150	Sign, Type B, Temp, Prismatic, Oper	8120351	864.000	Sft
1160	Traf Regulator Control	8120370	1.000	LSUM
1170	Riprap, Heavy	8130005	223.000	Syd
1180	Riprap, Plain	8130010	122.000	Syd
1190	_ Turf Establishment, Performance	8167011	11,341.000	Syd
1200	Monument Box	8210001	1.000	Ea
1210	Monument Preservation	8210010	2.000	Ea
1220	Protect Corners	8210020	3.000	Ea
1230	Hydrant, Relocate, Case 1	8230095	2.000	Ea
1240	Water Shutoff, Adj, Case 2	8230422	5.000	Ea
1250	Gate Box, Adj, Case 2	8230432	5.000	Ea



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 045

Letting Date: December 1, 2017

Contract ID: 25091-132652

Description: 0.10 mi of cold milling concrete pavement, hot mix asphalt resurfacing, concrete pavement, curb, gutter, sidewalk and ramps, aggregate base, drainage, traffic signal upgrades and pavement markings on M-115 at Lapeer Road, Genesee County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132652A	1800071	N/A	CMG 25091

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Sidewalk Ramp Layout	1047051	1.000	LSUM
0020	Mobilization, Max \$40,300.00	1500001	1.000	LSUM
0030	Curb and Gutter, Rem	2040020	480.000	Ft
0040	Pavt, Rem	2040050	230.000	Syd
0050	Sidewalk, Rem	2040055	50.000	Syd
0060	Exploratory Investigation, Vertical	2040080	25.000	Ft
0070	Embankment, CIP	2050010	150.000	Cyd
0080	Excavation, Earth	2050016	20.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	20.000	Cyd
0100	Aggregate Base, 4 inch	3020010	80.000	Syd
0110	Aggregate Base, 6 inch	3020016	220.000	Syd
0120	Sewer, CI A, 12 inch, Tr Det B	4020033	4.000	Ft
0130	Dr Structure Cover, Adj, Case 2	4030006	2.000	Ea
0140	Dr Structure Cover, Type B	4030010	1.000	Ea
0150	Dr Structure Cover, Type K	4030050	1.000	Ea
0160	Dr Structure, Tap, 12 inch	4030312	1.000	Ea
0170	Drop Inlet, Type 1	4030395	1.000	Ea
0180	HMA Quality Initiative	5010007	1,040.000	Dlr
0190	Longitudinal Joint Density Quality Initiative	5010018	3,000.000	Dlr
0200	Hand Patching	5010025	60.000	Ton
0210	HMA Approach, High Stress	5010520	460.000	Ton
0220	_ Pavt Joint and Crack Repr, Det 7, Special	5017001	350.000	Ft
0230	_ Pavt Joint and Crack Repr, Det 8, Special	5017001	350.000	Ft
0240	Conc Base Cse, Nonreinf, 7 inch	6020017	110.000	Syd
0250	Cold Milling Conc Pavt	6030014	3,480.000	Syd
0260	Lane Tie, Epoxy Anchored	6030030	20.000	Ea
0270	_ Road Side Unit	8007050	1.000	Ea

0280	Curb and Gutter, Conc, Det F6	8020040	420.000	Ft
0290	Curb Ramp Opening, Conc	8030030	50.000	Ft
0300	Sidewalk Ramp, Conc, 6 inch	8030036	530.000	Sft
0310	Sidewalk, Conc, 6 inch	8030046	160.000	Sft
0320	Post, Steel, 3 lb	8100371	104.000	Ft
0330	Sign, Type IIB	8100399	12.000	Sft
0340	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0350	Sign, Type III, Rem	8100403	2.000	Ea
0360	Sign, Type IIIB	8100405	9.000	Sft
0370	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	650.000	Ft
0380	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	185.000	Ft
0390	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	4.000	Ea
0400	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	2.000	Ea
0410	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	5.000	Ea
0420	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Wet Reflective, White	8110381	70.000	Ft
0430	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	700.000	Ft
0440	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	200.000	Ft
0450	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, Yellow	8110504	300.000	Ft
0460	Channelizing Device, 42 inch, Furn	8120030	120.000	Ea
0470	Channelizing Device, 42 inch, Oper	8120031	120.000	Ea
0480	Ltg for Night Work	8120160	1.000	LSUM
0490	Minor Traf Devices	8120170	1.000	LSUM
0500	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	2,500.000	Ft
0510	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	500.000	Ft
0520	Plastic Drum, High Intensity, Furn	8120250	50.000	Ea
0530	Plastic Drum, High Intensity, Oper	8120251	50.000	Ea
0540	Sign Cover	8120310	4.000	Ea
0550	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	2,120.000	Sft
0560	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	2,120.000	Sft
0570	Traf Regulator Control	8120370	1.000	LSUM
0580	_ Pedestrian Type II Barricade, Temp	8127050	8.000	Ea
0590	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	2.000	Ea
0600	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	2.000	Ea
0610	Slope Restoration, Type B	8160101	530.000	Syd
0620	Cable Pole, TS, Dismant	8190010	3.000	Ea
0630	Conduit, DB, 1, 1/2 inch	8190025	155.000	Ft
0640	Conduit, DB, 3, 3 inch	8190035	95.000	Ft
0650	Conduit, DB, 4, 3 inch	8190038	10.000	Ft
0660	Conduit, Rem	8190140	250.000	Ft
0670	Hh, Rem	8190254	2.000	Ea
0680	Hh, Round, 3 foot dia	8190259	1.000	Ea
0690	Hh, Round	8190260	3.000	Ea

0700	Case Sign, Rem	8200020	1.000	Ea
0710	Controller and Cabinet, Rem	8200030	1.000	Ea
0720	Controller and Cabinet, Digital Type, Master	8200033	1.000	Ea
0730	Controller Fdn, Base Mount	8200045	1.000	Ea
0740	Controller Fdn, Rem	8200046	1.000	Ea
0750	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	1.000	Ea
0760	Pedestal, Alum	8200100	7.000	Ea
0770	Pedestal, Fdn	8200105	7.000	Ea
0780	Pushbutton and Sign	8200121	8.000	Ea
0790	Pushbutton, Rem	8200122	4.000	Ea
0800	Serv Disconnect	8200135	1.000	Ea
0810	Span Wire	8200140	4.000	Ea
0820	Span Wire, Rem	8200141	3.000	Ea
0830	Span Wire Tether	8200142	4.000	Ea
0840	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	4.000	Ea
0850	TS, Span Wire Mtd, Rem	8200182	5.000	Ea
0860	TS, One Way Span Wire Mtd (LED)	8200313	6.000	Ea
0870	TS, One Way Span Wire Mtd, FYA (LED)	8200314	4.000	Ea
0880	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	2.000	Ea
0890	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	1.000	Ea
0900	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	4.000	Ea
0910	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	1.000	Ea
0920	Bracket, Truss, With 18 Foot Arm	8200378	1.000	Ea
0930	Hemispherical Video Detection Camera	8200444	2.000	Ea
0940	Hemispherical Video Detection System	8200445	1.000	Ea
0950	Strain Pole, Steel, 6 bolt, 30 foot	8200460	2.000	Ea
0960	Strain Pole, Steel, 6 bolt, 36 foot	8200461	2.000	Ea
0970	Strain Pole Fdn, 6 Bolt	8200470	64.000	Ft
0980	Casing	8200480	50.000	Ft
0990	Cellular Modem, TS, 4G	8200498	1.000	Ea
1000	Backplate, TS	8200501	12.000	Ea
1010	Contractor Staking	8240001	1.000	LSUM
1020	Staking Plan Errors and Extras, One Person	8240020	4.000	Hr
1030	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
1040	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr
1050	System Integration and Testing	8260160	1.000	LSUM



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 046

Letting Date: December 1, 2017

Contract ID: 82700-124468

Description: 0.45 mi of deck patching, epoxy overlay, sidewalk patching, expansion joint replacement, parking lot resurfacing and approach reconstruction at the Douglas A. MacArthur Bridge over the Detroit River in the city of Detroit, Wayne County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
124468A	1782101	N/A	BO 82700

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	_ Relocation and Site Cleanup	1077051	1.000	LSUM
0020	Mobilization, Max \$349,600.00	1500001	1.000	LSUM
0030	Concrete Barrier, Rem	2040010	160.000	Ft
0040	Fence, Rem	2040025	625.000	Ft
0050	Pavt, Rem	2040050	7,628.000	Syd
0060	Sidewalk, Rem	2040055	315.000	Syd
0070	Embankment, CIP	2050010	255.000	Cyd
0080	Excavation, Earth	2050016	945.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	200.000	Cyd
0100	Subgrade Undercutting, Type I	2050040	100.000	Cyd
0110	Subgrade Undercutting, Type II	2050041	250.000	Cyd
0120	Aggregate, 6A	2060001	35.000	Cyd
0130	Erosion Control, Gravel Access Approach	2080016	1.000	Ea
0140	Erosion Control, Inlet Protection, Fabric Drop	2080020	12.000	Ea
0150	Erosion Control, Inlet Protection, Sediment Trap	2080024	8.000	Ea
0160	Erosion Control, Silt Fence	2080036	400.000	Ft
0170	Project Cleanup	2090001	1.000	LSUM
0180	Aggregate Base, 4 inch	3020010	2,658.000	Syd
0190	Aggregate Base, 6 inch	3020016	6,884.000	Syd
0200	_ Aggregate Base, 18 inch	3027011	803.000	Syd
0210	Dr Structure Cover, Adj, Case 1	4030005	15.000	Ea
0220	Dr Structure Cover, Adj, Case 2	4030006	5.000	Ea
0230	Dr Structure Cover, Type B	4030010	8.000	Ea
0240	Dr Structure Cover, Type K	4030050	5.000	Ea
0250	Underdrain, Pipe, Open-Graded, 6 inch	4040043	100.000	Ft
0260	Underdrain, Subgrade, 6 inch	4040073	25.000	Ft
0270	Underdrain Outlet, 6 inch	4040093	20.000	Ft

0280	Underdrain, Outlet Ending, 6 inch	4040113	6.000	Ea
0290	HMA Surface, Rem	5010005	308.000	Syd
0300	Pavt for Butt Joints, Rem	5010008	38.000	Syd
0310	HMA Approach	5010061	4.000	Ton
0320	HMA, LVSP	5010703	1,136.000	Ton
0330	Conc Pavt, Misc, Nonreinf, 12 inch	6020062	323.000	Syd
0340	Joint, Expansion, E2	6020207	128.000	Ft
0350	Joint, Expansion, E3	6020208	124.000	Ft
0360	Conc Quality Initiative	6020401	3,200.000	Dlr
0370	Conc Pavt, Bridge Approach, Reinf	6020600	289.000	Syd
0380	Lane Tie, Epoxy Anchored	6030030	128.000	Ea
0390	_ Curb and Gutter, Conc, Det F5, Modified	8027001	452.000	Ft
0400	Sidewalk, Conc, 4 inch	8030044	2,688.000	Sft
0410	_ Conc Barrier, Single Face, Variable Height	8047001	162.000	Ft
0420	Fence, Chain Link, 48 inch	8080011	515.000	Ft
0430	Fence, Chain Link, 96 inch	8080015	557.000	Ft
0440	Fence Gate, 8 foot, for 96 inch Chain Link Fence	8080045	2.000	Ea
0450	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	8110040	150.000	Ft
0460	Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	8110058	10.000	Ea
0470	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	6,600.000	Ft
0480	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	5,300.000	Ft
0490	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	5,300.000	Ft
0500	Pavt Mrkg, Waterborne, 4 inch, White	8110231	4,800.000	Ft
0510	Pavt Mrkg, Waterborne, for Rest Areas, Parks, & Lots, 4 inch, Blue	8110293	150.000	Ft
0520	Pavt Mrkg, Waterborne, for Rest Areas, Parks, & Lots, 4 inch, White	8110294	4,800.000	Ft
0530	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	11,400.000	Ft
0540	Rem Curing Compound, for Spec Mrkg	8110321	310.000	Sft
0550	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0560	_ Pavt Mrkg, Ovly Cold Plastic, Accessible Symbol (Parking Lot)	8117050	6.000	Ea
0570	Barricade, Type III, High Intensity, Lighted, Furn	8120022	20.000	Ea
0580	Barricade, Type III, High Intensity, Lighted, Oper	8120023	20.000	Ea
0590	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0600	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0610	Minor Traf Devices	8120170	1.000	LSUM
0620	Mobile Attenuator	8120180	6.000	Ea
0630	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	12,000.000	Ft
0640	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	16,000.000	Ft
0650	Plastic Drum, High Intensity, Furn	8120250	600.000	Ea
0660	Plastic Drum, High Intensity, Oper	8120251	600.000	Ea
0670	Sign Cover	8120310	15.000	Ea
0680	Sign, Type A, Temp, Prismatic, Furn	8120340	18.000	Sft
0690	Sign, Type A, Temp, Prismatic, Oper	8120341	18.000	Sft

0700	Sign, Type B, Temp, Prismatic, Furn	8120350	558.000	Sft
0710	Sign, Type B, Temp, Prismatic, Oper	8120351	558.000	Sft
0720	Traf Regulator Control	8120370	1.000	LSUM
0730	_ Steel Barrier, Temp, Adj	8127001	70,000.000	Ft
0740	_ Steel Barrier, Temp, Casters, Furn	8127001	570.000	Ft
0750	_ Steel Barrier, Temp, Furn	8127001	8,000.000	Ft
0760	_ Steel Barrier, Temp, Oper	8127001	8,000.000	Ft
0770	_ Steel Barrier, Temp, Relocated	8127001	40,000.000	Ft
0780	_ Pedestrian Type II Barricade, Temp	8127050	6.000	Ea
0790	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8127050	2.000	Ea
0800	_ Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8127050	2.000	Ea
0810	_ Steel Barrier Ending, Temp, Detail 1, Adj/Relocated	8127050	50.000	Ea
0820	_ Steel Barrier Ending, Temp, Detail 1, Furn	8127050	6.000	Ea
0830	_ Steel Barrier Ending, Temp, Detail 1, Oper	8127050	6.000	Ea
0840	_ Steel Barrier, Reflector Replacement	8127050	25.000	Ea
0850	_ Turf Establishment, Performance	8167011	731.000	Syd
0860	_ Permanent Traffic Recorder Loops Only	8207051	1.000	LSUM
0870	Contractor Staking	8240001	1.000	LSUM
0880	Staking Plan Errors and Extras, One Person	8240020	27.000	Hr
0890	Staking Plan Errors and Extras, Two Person	8240021	11.000	Hr
0900	Staking Plan Errors and Extras, Three Person	8240022	16.000	Hr

Section: 2

0910	Expansion Joint Device	7060050	1,710.000	Ft
0920	Expansion Joint Device, Cover Plate	7060051	390.000	Ft
0930	False Decking	7060060	39,177.000	Sft
0940	Reinforcement, Steel, Epoxy Coated	7060092	55,454.000	Lb
0950	_ Conc, Deck Joint Replacement	7067021	513.000	Cyd
0960	Hand Chipping, Shallow	7120003	571.000	Syd
0970	Hand Chipping, Deep	7120004	375.000	Syd
0980	Epoxy Ovly	7120020	15,652.000	Syd
0990	Deck Joint, Rem	7120071	1,964.000	Ft
1000	Latex Conc Surface, Rem	7120072	780.000	Syd
1010	Embedded Galvanic Anode	7120120	2,246.000	Ea
1020	_ Conc, Deck Surface Repr	7127021	89.000	Cyd
1030	_ Historic Wrought Iron Pedestrian Railing, Rem, Salv, and Erect	8087001	765.000	Ft
1040	_ Documentation and Work Plan	8507051	1.000	LSUM

Schedule of Pay Items

Report v1

Letting Call: 171201 047

Letting Date: December 1, 2017

Contract ID: 07012-131826

Description: 15.77 mi of hot mix asphalt overlay, aggregate shoulders, guardrail berm grading, centerline and shoulder corrugations and pavement markings on US-41 from M-28 north to Mead Road and north of the Baraga/Iron county line, Baraga County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131826A	1800070	N/A	NH 07012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$325,300.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.100	Acre
0030	Guardrail, Rem	2040035	3,213.000	Ft
0040	Embankment, LM	2050011	260.000	Cyd
0050	Excavation, Earth	2050016	400.000	Cyd
0060	_ Berm Grading	2057002	88.000	Sta
0070	Erosion Control, Silt Fence	2080036	175.000	Ft
0080	Approach, CI II	3070021	243.000	Ton
0090	Shoulder, CI II	3070121	5,200.000	Ton
0100	Trenching	3070200	38.000	Sta
0110	Pavt, Cleaning	5010001	1.000	LSUM
0120	Cold Milling HMA Surface	5010002	5,700.000	Syd
0130	HMA Quality Initiative	5010007	66,432.000	Dlr
0140	Pavt for Butt Joints, Rem	5010008	3,790.000	Syd
0150	Longitudinal Joint Density Quality Initiative	5010018	289,514.000	Dlr
0160	Pavt Joint and Crack Repr, Det 7	5010020	3,000.000	Ft
0170	Pavt Joint and Crack Repr, Det 8	5010021	1,050.000	Ft
0180	Hand Patching	5010025	793.000	Ton
0190	HMA, 5E3	5010057	23,000.000	Ton
0200	HMA Approach	5010061	316.000	Ton
0210	HMA, LVSP	5010703	9,107.000	Ton
0220	Curb Sloped, HMA	8050010	550.000	Ft
0230	Guardrail, Type B	8070000	475.000	Ft
0240	Guardrail, Curved, Type B	8070010	375.000	Ft
0250	Guardrail Approach Terminal, Type 1B	8070040	55.000	Ea
0260	Guardrail Departing Terminal, Type B	8070050	13.000	Ea
0270	Guardrail Reflector	8070080	75.000	Ea

0280	Guardrail Height, Adj	8070100	9,835.000	Ft
0290	Guardrail, Reconst, Type B	8070105	813.000	Ft
0300	Pavt Mrkg, Polyurea, Merge Arrow Symbol	8110107	4.000	Ea
0310	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	48.000	Ft
0320	Pavt Mrkg, Waterborne, 4 inch, White	8110231	7,561.000	Ft
0330	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	63,586.000	Ft
0340	Pavt Mrkg, Waterborne, 6 inch, White	8110233	161,810.000	Ft
0350	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	7,561.000	Ft
0360	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	63,586.000	Ft
0370	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	161,810.000	Ft
0380	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0390	Pavt Mrkg, Polyurea, Railroad Sym	8110411	2.000	Ea
0400	Recessing Pavt Mrkg, Longit	8110450	232,957.000	Ft
0410	Lighted Arrow, Type C, Furn	8120140	6.000	Ea
0420	Lighted Arrow, Type C, Oper	8120141	6.000	Ea
0430	Minor Traf Devices	8120170	1.000	LSUM
0440	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	2,340.000	Ft
0450	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	9,100.000	Ft
0460	Plastic Drum, High Intensity, Furn	8120250	600.000	Ea
0470	Plastic Drum, High Intensity, Oper	8120251	600.000	Ea
0480	Sign Cover	8120310	12.000	Ea
0490	Sign, Type B, Temp, Prismatic, Furn	8120350	2,158.000	Sft
0500	Sign, Type B, Temp, Prismatic, Oper	8120351	2,158.000	Sft
0510	Traf Regulator Control	8120370	1.000	LSUM
0520	Fertilizer, Chemical Nutrient, CI A	8160020	93.000	Lb
0530	Mulch	8160025	1,468.000	Syd
0540	Mulch Anchoring	8160026	1,468.000	Syd
0550	Mulch Blanket	8160027	470.000	Syd
0560	Seeding, Mixture THV	8160040	89.000	Lb
0570	Topsoil Surface, Salv, LM	8160086	65.000	Cyd
0580	Monument Box Adjust	8210005	26.000	Ea
0590	Protect Corners	8210020	26.000	Ea
0600	Centerline Corrugations, Milled, HMA	8220013	82,130.000	Ft
0610	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	118,733.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 048

Letting Date: December 1, 2017

Contract ID: 27023-131811

Description: 16.20 mi of overband crack filling, cape sealing, aggregate shoulders and pavement markings on US-2 from west of Federal Forest Road to Old US-2, Gogebic County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131811A	1800076	N/A	NH 27023

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$147,900.00	1500001	1.000	LSUM
0020	_ Berm Grading	2057002	68.000	Sta
0030	Shoulder, CI II	3070121	3,617.000	Ton
0040	Overband Crack Fill, Lane	5020003	32.400	Lnmi
0050	Micro-Surface, Single Cse, Warranty	5040020	247,104.000	Syd
0060	_ Seal, Single Chip, Modified	5057011	228,096.000	Syd
0070	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	22,099.000	Ft
0080	Pavt Mrkg, Waterborne, 6 inch, White	8110233	171,072.000	Ft
0090	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	22,099.000	Ft
0100	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	171,072.000	Ft
0110	Protective Ovly, Snowmobile Trail Crossing	8110550	93.000	Syd
0120	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	171,072.000	Ft
0130	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	6,900.000	Ft
0140	_ Traffic Control	8127051	1.000	LSUM
0150	Centerline Corrugations, Milled, HMA	8220013	85,536.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 049

Letting Date: December 1, 2017

Contract ID: 08051-129874

Description: 4.46 mi of hot mix asphalt cold milling and resurfacing on M-66 from north of Cox Road north to south of Assyria Road, Barry County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129874A	N/A	N/A	M 08051

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$91,800.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	610.000	Ton
0030	Cold Milling HMA Surface	5010002	119,540.000	Syd
0040	Bump Grinding	5010004	200.000	Syd
0050	HMA Quality Initiative	5010007	20,310.000	Dlr
0060	Longitudinal Joint Density Quality Initiative	5010018	70,600.000	Dlr
0070	HMA Approach	5010061	332.000	Ton
0080	HMA, LVSP	5010703	9,823.000	Ton
0090	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	7,140.000	Ft
0100	Pavt Mrkg, Waterborne, 6 inch, White	8110233	49,419.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	7,140.000	Ft
0120	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	49,419.000	Ft
0130	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0140	Channelizing Device, 42 inch, Furn	8120030	550.000	Ea
0150	Channelizing Device, 42 inch, Oper	8120031	550.000	Ea
0160	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0170	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0180	Minor Traf Devices	8120170	1.000	LSUM
0190	Mobile Attenuator	8120180	1.000	Ea
0200	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,883.000	Ft
0210	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0220	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0230	Sign Cover	8120310	10.000	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	819.000	Sft
0270	Sign, Type B, Temp, Prismatic, Oper	8120351	819.000	Sft

0280	Traf Regulator Control	8120370	1.000	LSUM
0290	Monument Box	8210001	13.000	Ea
0300	Monument Preservation	8210010	13.000	Ea
0310	Centerline Corrugations, Milled, HMA	8220013	24,710.000	Ft
0320	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	49,419.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 050

Letting Date: December 1, 2017

Contract ID: 08032-131776

Description: 2.66 mi of hot mix asphalt cold milling and resurfacing, detail 8 joint repairs and pavement markings on M-37 from east of Heath Road to north of Golden Lane, Barry County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131776A	1800081	N/A	ST 08032

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$84,200.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	360.000	Ton
0030	Dr Structure, Cleaning	4030290	1.000	Ea
0040	Cold Milling HMA Surface	5010002	74,846.000	Syd
0050	Bump Grinding	5010004	200.000	Syd
0060	HMA Surface, Rem	5010005	57.000	Syd
0070	HMA Quality Initiative	5010007	17,372.000	Dlr
0080	Longitudinal Joint Density Quality Initiative	5010018	47,190.000	Dlr
0090	Pavt Joint and Crack Repr, Det 8	5010021	1,751.000	Ft
0100	Hand Patching	5010025	285.000	Ton
0110	HMA, 5E1	5010056	7,551.000	Ton
0120	HMA Approach	5010061	850.000	Ton
0130	Curb Sloped, HMA	8050010	170.000	Ft
0140	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	150.000	Ft
0150	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0160	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	4.000	Ea
0170	Pavt Mrkg, Waterborne, 4 inch, White	8110231	410.000	Ft
0180	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	12,477.000	Ft
0190	Pavt Mrkg, Waterborne, 6 inch, White	8110233	29,184.000	Ft
0200	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	410.000	Ft
0210	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	12,477.000	Ft
0220	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	29,184.000	Ft
0230	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0240	Channelizing Device, 42 inch, Furn	8120030	500.000	Ea
0250	Channelizing Device, 42 inch, Oper	8120031	500.000	Ea
0260	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0270	Lighted Arrow, Type C, Oper	8120141	2.000	Ea

0280	Minor Traf Devices	8120170	1.000	LSUM
0290	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,112.000	Ft
0300	Plastic Drum, High Intensity, Furn	8120250	25.000	Ea
0310	Plastic Drum, High Intensity, Oper	8120251	25.000	Ea
0320	Sign Cover	8120310	10.000	Ea
0330	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0340	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0350	Sign, Type B, Temp, Prismatic, Furn	8120350	1,100.000	Sft
0360	Sign, Type B, Temp, Prismatic, Oper	8120351	1,100.000	Sft
0370	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	16.000	Sft
0380	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	16.000	Sft
0390	Traf Regulator Control	8120370	1.000	LSUM
0400	Slope Restoration, Type B	8160101	175.000	Syd
0410	TS, Bag	8200450	7.000	Ea
0420	TS, Bag, Rem	8200451	7.000	Ea
0430	Centerline Corrugations, Milled, HMA	8220013	14,592.000	Ft
0440	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	29,184.000	Ft



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 051

Letting Date: December 1, 2017

Contract ID: 06091-125604

Description: Hot mix asphalt patching, concrete curb, gutter, sidewalk and ramps, aggregate base, traffic signal modernizations and pavement markings at 5 locations in the city of Caro, Arenac, Bay, Saginaw and Tuscola Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
125604A	1706008	N/A	STG 06091

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$105,800.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	466.000	Ft
0030	Masonry and Conc Structure, Rem	2040045	10.000	Cyd
0040	Pavt, Rem	2040050	43.000	Syd
0050	Sidewalk, Rem	2040055	256.000	Syd
0060	Exploratory Investigation, Vertical	2040080	100.000	Ft
0070	Embankment, CIP	2050010	12.000	Cyd
0080	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0090	Erosion Control, Inlet Protection, Fabric Drop	2080020	8.000	Ea
0100	Erosion Control, Maintenance, Sediment Removal	2080026	3.000	Cyd
0110	Aggregate Base, 4 inch	3020010	461.000	Syd
0120	Dr Structure Cover, Adj, Case 1	4030005	3.000	Ea
0130	HMA Surface, Rem	5010005	38.000	Syd
0140	Hand Patching	5010025	31.000	Ton
0150	Conc Base Cse, Nonreinf, 7 inch	6020017	68.000	Syd
0160	Lane Tie, Epoxy Anchored	6030030	12.000	Ea
0170	_ Pedestrian Path, Temp	8007001	50.000	Ft
0180	_ Pedestrian Ramp, Temp	8007050	4.000	Ea
0190	_ Road Side Unit	8007050	5.000	Ea
0200	Curb and Gutter, Conc, Det F4	8020038	154.000	Ft
0210	Curb and Gutter, Conc, Det F5	8020039	10.000	Ft
0220	Detectable Warning Surface	8030010	161.000	Ft
0230	Curb Ramp Opening, Conc	8030030	198.000	Ft
0240	Sidewalk Ramp, Conc, 4 inch	8030034	570.000	Sft
0250	Sidewalk Ramp, Conc, 6 inch	8030036	1,858.000	Sft
0260	Sidewalk, Conc, 4 inch	8030044	451.000	Sft
0270	Fence, Protective	8080007	100.000	Ft

0280	Sign, Type III, Rem	8100403	4.000	Ea
0290	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	1,730.000	Ft
0300	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	365.000	Ft
0310	Pavt Mrkg, Waterborne, 4 inch, White	8110231	110.000	Ft
0320	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	80.000	Ft
0330	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0340	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0350	Channelizing Device, 42 inch, Furn	8120030	100.000	Ea
0360	Channelizing Device, 42 inch, Oper	8120031	100.000	Ea
0370	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0380	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0390	Minor Traf Devices	8120170	1.000	LSUM
0400	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,750.000	Ft
0410	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	350.000	Ft
0420	Plastic Drum, High Intensity, Furn	8120250	100.000	Ea
0430	Plastic Drum, High Intensity, Oper	8120251	100.000	Ea
0440	Sign Cover	8120310	6.000	Ea
0450	Sign, Type A, Temp, Prismatic, Furn	8120340	70.000	Sft
0460	Sign, Type A, Temp, Prismatic, Oper	8120341	70.000	Sft
0470	Sign, Type B, Temp, Prismatic, Furn	8120350	1,000.000	Sft
0480	Sign, Type B, Temp, Prismatic, Oper	8120351	1,000.000	Sft
0490	Traf Regulator Control	8120370	1.000	LSUM
0500	_ Pedestrian Type II Channelizer, Temp	8127001	50.000	Ft
0510	_ Pedestrian Type II Barricade, Temp	8127050	4.000	Ea
0520	_ Turf Establishment, Performance	8167011	229.000	Syd
0530	Cable Pole, Sec, Disman	8190006	2.000	Ea
0540	Cable Pole, TS and Sec, Disman	8190009	2.000	Ea
0550	Cable Pole, TS, Disman	8190010	9.000	Ea
0560	Conduit, DB, 1, 1 1/2 inch	8190027	490.000	Ft
0570	Conduit, DB, 1, 3 inch	8190029	170.000	Ft
0580	Conduit, DB, 2, 3 inch	8190032	65.000	Ft
0590	Conduit, DB, 3, 3 inch	8190035	165.000	Ft
0600	Conduit, DB, 4, 3 inch	8190038	50.000	Ft
0610	Conduit, Rem	8190140	630.000	Ft
0620	Hh, Rem	8190254	36.000	Ea
0630	Hh, Round, 3 foot dia	8190259	5.000	Ea
0640	Hh, Round	8190260	24.000	Ea
0650	Cable, Sec, 600V, 1, 3/C#6	8190399	1,100.000	Ft
0660	Cable, Sec, Triplex, 1, 3/C#4	8190418	425.000	Ft
0670	Wood Pole	8190465	4.000	Ea
0680	Wood Pole, Fit Up, Sec Cable Pole	8190495	2.000	Ea
0690	Wood Pole, Fit Up, TS Cable Pole	8190501	5.000	Ea
0700	Wood Pole, Rem	8190505	10.000	Ea

0710	Conduit, Directional Bore, 1, 3 inch	8190602	270.000	Ft
0720	Conduit, Directional Bore, 2, 3 inch	8190604	470.000	Ft
0730	Case Sign (LED), One Way, 12 inch by 27 inch	8200019	4.000	Ea
0740	Case Sign, Rem	8200020	6.000	Ea
0750	Conduit Repr, Under Pavt	8200027	50.000	Ft
0760	Conduit Repr, Under Sidewalk or Earth	8200028	50.000	Ft
0770	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	8.000	Ea
0780	Controller and Cabinet, Rem	8200030	9.000	Ea
0790	Controller and Cabinet, Digital Type	8200031	5.000	Ea
0800	Controller Fdn, Base Mount	8200045	5.000	Ea
0810	Controller Fdn, Rem	8200046	5.000	Ea
0820	Global Positioning System Module	8200050	5.000	Ea
0830	Flsh Beacon, Controller and Cabinet, Solid State	8200070	4.000	Ea
0840	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	5.000	Ea
0850	Metered Serv, Rem	8200095	2.000	Ea
0860	Pedestal, Alum	8200100	6.000	Ea
0870	Pedestal, Fdn	8200105	21.000	Ea
0880	Pedestal Fdn, Rem	8200106	2.000	Ea
0890	Pedestal, Rem	8200110	1.000	Ea
0900	Pedestal, Underground Serv, Metered	8200111	2.000	Ea
0910	Power Co. (Est. Cost to Contractor)	8200116	2,250.000	Dlr
0920	Pushbutton and Sign	8200121	24.000	Ea
0930	Pushbutton, Rem	8200122	8.000	Ea
0940	Pushbutton Pedestal, Alum	8200123	15.000	Ea
0950	Pushbutton Pedestal, Rem	8200124	1.000	Ea
0960	Riser	8200125	4.000	Ea
0970	Serv Disconnect	8200135	7.000	Ea
0980	Serv Disconnect, Rem	8200136	2.000	Ea
0990	Span Wire	8200140	17.000	Ea
1000	Span Wire, Rem	8200141	5.000	Ea
1010	Span Wire Tether	8200142	4.000	Ea
1020	Steel Pole, Rem (Embedded)	8200146	2.000	Ea
1030	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	11.000	Ea
1040	TS, Pedestrian, Pedestal Mtd, Rem	8200181	1.000	Ea
1050	TS, Span Wire Mtd, Rem	8200182	20.000	Ea
1060	Warning Sign	8200260	8.000	Ea
1070	Warning Sign, Rem	8200261	8.000	Ea
1080	TS, One Way Span Wire Mtd (LED)	8200313	37.000	Ea
1090	TS, One Way Span Wire Mtd, FYA (LED)	8200314	4.000	Ea
1100	TS, Two Way Span Wire Mtd (LED)	8200322	4.000	Ea
1110	TS, One Way Bracket Arm Mtd, FYA (LED)	8200334	2.000	Ea
1120	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	1.000	Ea
1130	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	6.000	Ea

1140	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	1.000	Ea
1150	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	5.000	Ea
1160	Bracket, Truss, With 18 Foot Arm	8200378	7.000	Ea
1170	Wireless Vehicle Detection System	8200422	2.000	Ea
1180	Wireless Vehicle Sensor Node	8200425	21.000	Ea
1190	Hemispherical Video Detection Camera	8200444	1.000	Ea
1200	Hemispherical Video Detection System	8200445	1.000	Ea
1210	Strain Pole, Steel, 6 bolt, 30 foot	8200460	3.000	Ea
1220	Strain Pole, Steel, 6 bolt, 36 foot	8200461	13.000	Ea
1230	Strain Pole Fdn, 6 Bolt	8200470	240.000	Ft
1240	Casing	8200480	152.000	Ft
1250	Cellular Modem, TS, 4G	8200498	5.000	Ea
1260	Backplate, TS	8200501	16.000	Ea
1270	Radar Vehicle Presence Stop-Bar Detector System	8200510	3.000	Ea
1280	Radar Vehicle Presence Stop-Bar Detector Sensor	8200513	12.000	Ea
1290	Radar Vehicle Dilemma Zone Detector System	8200520	2.000	Ea
1300	Radar Vehicle Dilemma Zone Detector Sensor	8200523	8.000	Ea
1310	_ TS, Four Way Span Wire Mtd, FYA (LED)	8207050	1.000	Ea
1320	_ TS, One Way Pedestal Mtd, FYA (LED)	8207050	2.000	Ea
1330	System Integration and Testing	8260160	1.000	LSUM



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AASHTOWare Project v3.01.164.01

Schedule of Pay Items

Report v1

Letting Call: 171201 052

Letting Date: December 1, 2017

Contract ID: 24051-131779

Description: 1.89 mi of hot mix asphalt micro cold milling, ultra-thin resurfacing, curb and gutter removal, ADA ramp and pavement markings on M-119 from north of US-31 to north of Beach Road, Emmet County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131779A	1800077	N/A	ST 24051

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$31,500.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	275.000	Ft
0030	Sidewalk, Rem	2040055	100.000	Syd
0040	Erosion Control, Inlet Protection, Fabric Drop	2080020	8.000	Ea
0050	Approach, CI I	3070001	45.000	Ton
0060	HMA Surface, Rem	5010005	35.000	Syd
0070	HMA Quality Initiative	5010007	260.000	Dlr
0080	Hand Patching	5010025	35.000	Ton
0090	HMA Approach	5010061	130.000	Ton
0100	_ Micro Cold Milling, HMA, 0 to 2 inches	5017011	50,890.000	Syd
0110	HMA, Ultra-Thin, Low Volume, Warranty	5040100	51,570.000	Syd
0120	_ Sidewalk, Wood, Temp	8007001	175.000	Ft
0130	Curb and Gutter, Conc, Det B2	8020016	55.000	Ft
0140	Curb and Gutter, Conc, Det F6	8020040	5.000	Ft
0150	Curb Ramp Opening, Conc	8030030	80.000	Ft
0160	Sidewalk Ramp, Conc, 6 inch	8030036	835.000	Sft
0170	Sidewalk, Conc, 4 inch	8030044	80.000	Sft
0180	_ Detectable Warning Surface, Cast Iron, Special	8037001	70.000	Ft
0190	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	3.000	Ea
0200	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, Yellow	8110109	130.000	Ft
0210	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	80.000	Ft
0220	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,800.000	Ft
0230	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	23,200.000	Ft
0240	Pavt Mrkg, Waterborne, 6 inch, White	8110233	16,000.000	Ft
0250	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,800.000	Ft
0260	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	23,200.000	Ft
0270	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	16,000.000	Ft

0280	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0290	Channelizing Device, 42 inch, Furn	8120030	210.000	Ea
0300	Channelizing Device, 42 inch, Oper	8120031	210.000	Ea
0310	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0320	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0330	Minor Traf Devices	8120170	1.000	LSUM
0340	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,000.000	Ft
0350	Sign Cover	8120310	12.000	Ea
0360	Sign, Type B, Temp, Prismatic, Furn	8120350	1,304.000	Sft
0370	Sign, Type B, Temp, Prismatic, Oper	8120351	1,304.000	Sft
0380	Traf Regulator Control	8120370	1.000	LSUM
0390	_ Pedestrian Type II Barricade, Temp	8127050	6.000	Ea
0400	Fertilizer, Chemical Nutrient, CI A	8160020	1.000	Lb
0410	Mulch Blanket	8160027	20.000	Syd
0420	Seeding, Mixture TDS	8160037	1.000	Lb
0430	Topsoil Surface, Furn, 4 inch	8160062	20.000	Syd
