



Schedule of Pay Items

Report v1

Letting Call: 191101 001

Letting Date: November 1, 2019

Contract ID: 72014-113455

Description: 5.25 mi of hot mix asphalt crushing, shaping and resurfacing, concrete curb and gutter, culverts, drainage, sewer, ramp extensions, guardrail, signage and pavement markings on US-127 from M-55 northerly to the Muskegon River, Roscommon County. This project includes two 5 year materials and workmanship pavement warranties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
113455A	1901132	N/A	NH 72014

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$1,087,300.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.660	Acre
0030	Clearing, Fence	2010002	117.000	Sta
0040	_ Clearing, Fence, Special	2017002	97.000	Sta
0050	_ Clearing, Special	2017012	1.190	Acre
0060	Tree, Rem, 19 inch to 36 inch	2020002	8.000	Ea
0070	Tree, Rem, 6 inch to 18 inch	2020004	40.000	Ea
0080	_ Tree, Rem, 6 inch to 18 inch, Special	2027050	69.000	Ea
0090	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0100	Culv, Rem, 24 inch to 48 inch	2030002	8.000	Ea
0110	Culv, End, Rem, 24 inch to 48 inch	2030006	52.000	Ea
0120	Sewer, Rem, Less than 24 inch	2030015	50.000	Ft
0130	Curb and Gutter, Rem	2040020	196.000	Ft
0140	Fence, Rem	2040025	49,600.000	Ft
0150	Masonry and Conc Structure, Rem	2040045	3.000	Cyd
0160	Excavation, Earth	2050016	37,920.000	Cyd
0170	Subgrade Undercutting, Type II	2050041	3,000.000	Cyd
0180	_ Embankment, CIP, Special	2057021	30,710.000	Cyd
0190	Erosion Control, Check Dam, Stone	2080012	264.000	Ft
0200	Erosion Control, Inlet Protection, Sediment Trap	2080024	1.000	Ea
0210	Erosion Control, Maintenance, Sediment Removal	2080026	35.000	Cyd
0220	Erosion Control, Sediment Trap	2080034	9.000	Ea
0230	Erosion Control, Silt Fence	2080036	39,830.000	Ft
0240	Subbase, LM	3010003	3,580.000	Cyd
0250	Material, Surplus and Unsuitable, Rem, LM	3050010	400.000	Cyd
0260	Salv Crushed Material, LM	3050015	2,680.000	Cyd
0270	_ HMA Base Crushing and Shaping, Modified	3057011	209,570.000	Syd

0280	_ HMA Base Crushing and Shaping, Modified at Bridges	3057011	25,360.000	Syd
0290	Approach, CI I	3070001	264.000	Ton
0300	Approach, CI I, 8 inch	3070010	65.000	Syd
0310	Shoulder, CI I, 6 inch	3070108	1,030.000	Syd
0320	Shoulder, CI III, LM	3070143	4,555.000	Cyd
0330	_ Approach, CI I, 9 inch	3077011	730.000	Syd
0340	_ Shoulder, CI I, 9 inch	3077011	38,790.000	Syd
0350	Culv, CI A, Conc, 36 inch	4010170	32.000	Ft
0360	Culv, CI E, 18 inch	4010541	88.000	Ft
0370	Culv, CI E, 36 inch	4010544	72.000	Ft
0380	Culv, CI F, 24 inch	4010610	80.000	Ft
0390	Culv, Slp End Sect, 1 on 4, 18 inch, Transv	4010920	2.000	Ea
0400	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	46.000	Ea
0410	Culv, Slp End Sect, 1 on 4, 36 inch, Transv	4010930	7.000	Ea
0420	Culv, Slp End Sect, 1 on 4, 48 inch, Transv	4010934	1.000	Ea
0430	Culv, Slp End Sect, 1 on 6, 18 inch, Longit	4010951	2.000	Ea
0440	Culv, Slp End Sect, 1 on 6, 24 inch, Longit	4010955	2.000	Ea
0450	Dr Marker Post	4011109	75.000	Ea
0460	_ Cured-In-Place Pipe Lining, 24 inch	4017001	1,999.000	Ft
0470	_ Cured-In-Place Pipe Lining, 36 inch	4017001	211.000	Ft
0480	_ Cured-In-Place Pipe Lining, 48 inch	4017001	205.000	Ft
0490	Sewer, CI A, 18 inch, Tr Det A	4020006	48.000	Ft
0500	Sewer Tap, 36 inch	4021209	2.000	Ea
0510	Trench Undercut and Backfill	4021260	100.000	Cyd
0520	Video Taping Sewer and Culv Pipe	4021275	152.000	Ft
0530	Dr Structure Cover, Type B	4030010	1.000	Ea
0540	Dr Structure, 72 inch dia	4030230	1.000	Ea
0550	Underdrain, Subgrade, 6 inch	4040073	300.000	Ft
0560	Underdrain Outlet, 6 inch	4040093	40.000	Ft
0570	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
0580	HMA Surface, Rem	5010005	18,074.000	Syd
0590	HMA Quality Initiative	5010007	162,218.000	Dlr
0600	Longitudinal Joint Density Quality Initiative	5010018	365,100.000	Dlr
0610	Hand Patching	5010025	454.000	Ton
0620	HMA, 3E10	5010046	38,365.000	Ton
0630	HMA, 4E10	5010052	21,070.000	Ton
0640	HMA Approach	5010061	1,325.000	Ton
0650	HMA, LVSP	5010703	19,895.000	Ton
0660	_ Ride Incentive	5017060	73,472.000	Dlr
0670	Reinforcement, Steel, Epoxy Coated	7060092	86.000	Lb
0680	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	12.000	Ea
0690	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	12.000	Ea
0700	Filler Wall Conc	7120087	3.000	Cyd
0710	_ Pavt Sensor, Invasive Condition, Proprietary	8007050	2.000	Ea

0720	_ Subsurface Temperature Probe, Proprietary	8007050	1.000	Ea
0730	Curb and Gutter, Bridge Approach	8020010	442.000	Ft
0740	Curb and Gutter, Conc, Det B2	8020016	422.000	Ft
0750	Curb and Gutter, Conc, Det D2	8020031	465.000	Ft
0760	Guardrail, Type T	8070002	28.000	Ft
0770	Guardrail, Type MGS-8	8070004	3,104.000	Ft
0780	Guardrail Anch, Bridge, Det T1	8070022	4.000	Ea
0790	Guardrail Anch, Bridge, Det T2	8070023	1.000	Ea
0800	Guardrail Anch, Bridge, Det T6	8070027	10.000	Ea
0810	Guardrail Approach Terminal, Type 2M	8070044	16.000	Ea
0820	Guardrail Departing Terminal, Type T	8070051	5.000	Ea
0830	Guardrail Departing Terminal, Type MGS	8070052	10.000	Ea
0840	Guardrail, Salv	8070075	3,573.000	Ft
0850	Guardrail Reflector	8070080	64.000	Ea
0860	Fence, Woven Wire with Wood Post	8080001	38,680.000	Ft
0870	Fence, Woven Wire with Steel Post	8080002	15,900.000	Ft
0880	Bridge Sign Connection, Conc, Type A1	8100031	6.000	Ea
0890	Bridge Sign Connection, Type A, Rem	8100080	6.000	Ea
0900	Delineator Reflector, Red	8100131	61.000	Ea
0910	Delineator Reflector, Yellow	8100132	171.000	Ea
0920	Delineator Reflector, Green	8100133	49.000	Ea
0930	Delineator Reflector, White	8100134	215.000	Ea
0940	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	14.000	Ea
0950	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	3.000	Ea
0960	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	51.000	Ea
0970	Fdn, Wood Support, Rem	8100280	6.000	Ea
0980	Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem	8100331	10.000	Ea
0990	Delineator, Rem	8100349	325.000	Ea
1000	Post, Flexible, Delineator	8100360	54.000	Ea
1010	Post, Rigid, Delineator	8100361	496.000	Ea
1020	Post, Steel, 3 lb	8100371	858.000	Ft
1030	Post, Wood, 4 inch by 6 inch	8100380	186.000	Ft
1040	Post, Wood, 6 inch by 8 inch	8100382	80.000	Ft
1050	Sign, Type I, Erect, Salv	8100390	1.000	Ea
1060	Sign, Type I, Rem	8100391	2.000	Ea
1070	Sign, Type II, Erect, Salv	8100396	15.000	Ea
1080	Sign, Type II, Rem	8100397	22.000	Ea
1090	Sign, Type IIB	8100399	124.000	Sft
1100	Sign, Type III, Erect, Salv	8100402	34.000	Ea
1110	Sign, Type III, Rem	8100403	37.000	Ea
1120	Sign, Type IIIA	8100404	24.000	Sft
1130	Sign, Type IIIB	8100405	77.000	Sft
1140	Reflective Panel for Permanent Sign Support, 3 foot	8100613	22.000	Ea

1150	Reflective Panel for Permanent Sign Support, 6 foot	8100616	12.000	Ea
1160	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Symbol	8110051	1.000	Ea
1170	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	1.000	Ea
1180	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
1190	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	70.000	Ft
1200	Rem Spec Mrkg	8110343	85.000	Sft
1210	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
1220	Recessing Pavt Mrkg, Longit	8110450	133,960.000	Ft
1230	Recessing Pavt Mrkg, Transv	8110451	260.000	Sft
1240	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	59,100.000	Ft
1250	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	1,560.000	Ft
1260	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, Yellow	8110504	14,100.000	Ft
1270	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	59,200.000	Ft
1280	_ Enhanced Delineation, Unidirectional, Guardrail, Post Mount	8117001	2,716.000	Ft
1290	Barricade, Type III, High Intensity, Lighted, Furn	8120022	10.000	Ea
1300	Barricade, Type III, High Intensity, Lighted, Oper	8120023	10.000	Ea
1310	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
1320	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
1330	Minor Traf Devices	8120170	1.000	LSUM
1340	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	56,000.000	Ft
1350	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	80,000.000	Ft
1360	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	56,000.000	Ft
1370	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	9,000.000	Ft
1380	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	4,500.000	Ft
1390	Plastic Drum, Fluorescent, Furn	8120252	880.000	Ea
1400	Plastic Drum, Fluorescent, Oper	8120253	880.000	Ea
1410	Sign Cover	8120310	20.000	Ea
1420	Sign Cover, Type 1	8120320	7.000	Ea
1430	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
1440	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
1450	Sign, Type A, Temp, Prismatic, Furn	8120340	90.000	Sft
1460	Sign, Type A, Temp, Prismatic, Oper	8120341	90.000	Sft
1470	Sign, Type B, Temp, Prismatic, Furn	8120350	2,760.000	Sft
1480	Sign, Type B, Temp, Prismatic, Oper	8120351	2,760.000	Sft
1490	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	164.000	Sft
1500	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	164.000	Sft
1510	Traf Regulator Control	8120370	1.000	LSUM
1520	_ Temp Rumble Strips (Orange), Stop Condition	8127001	1,320.000	Ft
1530	Riprap, Plain	8130010	210.000	Syd
1540	Paved Ditch, HMA	8140010	110.000	Syd
1550	_ Slope Restoration, Bonded Fiber Matrix	8167011	284,620.000	Syd

1560	Monument Box	8210001	1.000	Ea
1570	Monument Preservation	8210010	1.000	Ea
1580	Shoulder Corrugations, Ground or Cut, HMA	8220001	106,800.000	Ft
1590	Contractor Staking	8240001	1.000	LSUM
1600	Staking Plan Errors and Extras, One Person	8240020	87.000	Hr
1610	Staking Plan Errors and Extras, Two Person	8240021	35.000	Hr
1620	Staking Plan Errors and Extras, Three Person	8240022	52.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 002

Letting Date: November 1, 2019

Contract ID: 82025-201919

Description: 5.61 mi of hot mix asphalt cold milling and resurfacing, detail 7 joint and crack repairs, full-depth concrete pavement repairs, concrete curb and gutter, signing and pavement markings on I-94 (Edsel Ford Freeway) from northbound Conner Street easterly to 8 Mile Road in the cities of Detroit and Harper Woods, Wayne County. This project includes a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201919A	N/A	N/A	M 82025

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$1,022,800.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	6,000.000	Ft
0030	Erosion Control, Inlet Protection, Fabric Drop	2080020	597.000	Ea
0040	Dr Structure Cover, Adj, Case 1, Modified	4030004	21.000	Ea
0050	Dr Structure Cover, Adj, Case 2	4030006	5.000	Ea
0060	Dr Structure Cover, Type B	4030010	5.000	Ea
0070	Dr Structure Cover, Type DX	4030030	11.000	Ea
0080	Dr Structure Cover, Type J	4030045	10.000	Ea
0090	Dr Structure, Adj, Add Depth	4030280	5.000	Ft
0100	Dr Structure, Cleaning	4030290	183.000	Ea
0110	Pavt, Cleaning	5010001	1.000	LSUM
0120	Cold Milling HMA Surface	5010002	385,939.000	Syd
0130	Bump Grinding	5010004	150.000	Syd
0140	HMA Quality Initiative	5010007	146,220.000	Dlr
0150	Longitudinal Joint Density Quality Initiative	5010018	246,023.000	Dlr
0160	Pavt Joint and Crack Repr, Det 7	5010020	22,864.000	Ft
0170	Hand Patching	5010025	1,144.000	Ton
0180	HMA, 4E30	5010053	34,664.000	Ton
0190	HMA, 5E3	5010057	4,484.000	Ton
0200	HMA, 5E30	5010059	28,682.000	Ton
0210	HMA Approach	5010061	4,136.000	Ton
0220	Joint, Contraction, Cp	6020200	48.000	Ft
0230	Cement	6030005	31.000	Ton
0240	Joint, Contraction, Crg	6030020	4,756.000	Ft
0250	Lane Tie, Epoxy Anchored	6030030	1,805.000	Ea
0260	Non-Chloride Accelerator	6030035	1,272.000	Gal

0270	Pavt Repr, Rem	6030080	1,591.000	Syd
0280	Saw Cut, Intermediate	6030090	2,692.000	Ft
0290	_ Pavt Repr, Nonreinf Conc, 14 inch	6037011	491.000	Syd
0300	_ Pavt Repr, Nonreinf Conc, 15 inch	6037011	1,100.000	Syd
0310	Curb and Gutter, Conc, Det B3	8020017	6,000.000	Ft
0320	Bridge Sign Connection, Conc, Type A1	8100031	6.000	Ea
0330	Bridge Sign Connection, Steel, Type B	8100061	1.000	Ea
0340	Bridge Sign Connection, Type A, Rem	8100080	6.000	Ea
0350	Bridge Sign Connection, Type B, Rem	8100081	1.000	Ea
0360	Sign, Type II, Rem	8100397	7.000	Ea
0370	Sign, Type IIB	8100399	112.000	Sft
0380	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Symbol	8110051	12.000	Ea
0390	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	269.000	Ft
0400	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	180.000	Ft
0410	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0420	Recessing Pavt Mrkg, Longit	8110450	230,523.000	Ft
0430	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	43,671.000	Ft
0440	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	103,228.000	Ft
0450	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	12,615.000	Ft
0460	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	102,589.000	Ft
0470	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	36.000	Ea
0480	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	36.000	Ea
0490	Lighted Arrow, Type C, Furn	8120140	5.000	Ea
0500	Lighted Arrow, Type C, Oper	8120141	5.000	Ea
0510	Ltg for Night Work	8120160	1.000	LSUM
0520	Minor Traf Devices	8120170	1.000	LSUM
0530	Mobile Attenuator	8120180	14.000	Ea
0540	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	145,299.000	Ft
0550	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	102,589.000	Ft
0560	Plastic Drum, Fluorescent, Furn	8120252	525.000	Ea
0570	Plastic Drum, Fluorescent, Oper	8120253	525.000	Ea
0580	Sign Cover	8120310	10.000	Ea
0590	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	7.000	Ea
0600	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	7.000	Ea
0610	Sign, Type B, Temp, Prismatic, Furn	8120350	1,325.000	Sft
0620	Sign, Type B, Temp, Prismatic, Oper	8120351	1,325.000	Sft
0630	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	1,450.000	Sft
0640	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	1,450.000	Sft
0650	_ Conc Barrier-Mounted Temp Sign System, Furn	8127050	20.000	Ea
0660	_ Conc Barrier-Mounted Temp Sign System, Oper	8127050	20.000	Ea

0670	Monument Box Adjust	8210005	2.000	Ea
0680	Protect Corners	8210020	2.000	Ea
0690	Shoulder Corrugations, Ground or Cut, HMA	8220001	59,269.000	Ft
0700	Contractor Staking, Road Only	8240007	1.000	LSUM
0710	Staking Plan Errors and Extras, One Person	8240020	5.000	Hr
0720	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0730	Staking Plan Errors and Extras, Three Person	8240022	3.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 003

Letting Date: November 1, 2019

Contract ID: 76024-201424

Description: 5.03 mi of full depth concrete pavement repairs on I-69 from the west Shiawassee county line to Bath Road, hot mix asphalt resurfacing and pavement markings at the Woodbury Rest Area, and bridge rehabilitation including epoxy overlay, deck patching, partial painting, steel repair, beam repair, concrete surface coating and approach work on 12 structures, Shiawassee County. This project includes a 5 year performance warranty and a 2 year concrete surface coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201424A	1901189	N/A	IM 76024
204825A	1901192	N/A	IM 76024
204828A	1901194	N/A	BOI 76024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$886,600.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	1,243.000	Ft
0030	Guardrail, Rem	2040035	1,132.000	Ft
0040	Pavt, Rem	2040050	8,845.000	Syd
0050	Embankment, CIP	2050010	236.000	Cyd
0060	Excavation, Earth	2050016	978.000	Cyd
0070	Non Haz Contaminated Material Handling and Disposal, LM	2050031	52.000	Cyd
0080	Erosion Control, Silt Fence	2080036	2,508.000	Ft
0090	Aggregate Base	3020001	30.000	Ton
0100	Aggregate Base, 6 inch	3020016	5,547.000	Syd
0110	_ Shoulder, CI II, Modified	3077031	55.000	Ton
0120	Dr Marker Post	4011109	185.000	Ea
0130	_ Underdrain Outlet Cleanout	4047050	185.000	Ea
0140	Cold Milling HMA Surface	5010002	21,850.000	Syd
0150	HMA Surface, Rem	5010005	1,349.000	Syd
0160	HMA Quality Initiative	5010007	6,210.000	Dlr
0170	Hand Patching	5010025	700.000	Ton
0180	HMA, LVSP	5010703	2,405.000	Ton
0190	Conc Pavt, Misc, Nonreinf, 10 inch	6020058	5,345.000	Syd
0200	Joint, Contraction, Cp	6020200	6,030.000	Ft
0210	Joint, Expansion, E2	6020207	792.000	Ft
0220	Joint, Expansion, E3	6020208	1,318.000	Ft
0230	Joint, Expansion, E4	6020209	358.000	Ft

0240	Joint, Pressure Relief	6020213	161.000	Ft
0250	Conc Pavt, Misc, Nonreinf, 9 inch, High Performance	6020514	1,485.000	Syd
0260	Cement	6030005	40.000	Ton
0270	Joint, Contraction, Crg	6030020	50,656.000	Ft
0280	Joint, Expansion, Erg	6030021	2,520.000	Ft
0290	Lane Tie, Epoxy Anchored	6030030	15,818.000	Ea
0300	Pavt Repr, Nonreinf Conc, 10 inch	6030048	19,006.000	Syd
0310	Pavt Repr, Rem	6030080	19,006.000	Syd
0320	Saw Cut, Intermediate	6030090	8,170.000	Ft
0330	_ Joint, Tied, 2.5 foot, Special	6037001	6,000.000	Ft
0340	_ Pavt Repr, 2.5 foot, Nonreinf, 10 inch, Special	6037011	1,667.000	Syd
0350	_ Pavt Repr, 2.5 foot, Rem, Special	6037011	1,667.000	Syd
0360	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	3,345.000	Syd
0370	Curb and Gutter, Bridge Approach	8020010	1,243.000	Ft
0380	Downspout Header, Conc	8020070	13.000	Ea
0390	Guardrail, Type T	8070002	213.000	Ft
0400	Guardrail Anch, Bridge, Det T1	8070022	34.000	Ea
0410	Guardrail Anch, Bridge, Det T2	8070023	1.000	Ea
0420	Guardrail Departing Terminal, Type T	8070051	1.000	Ea
0430	Pavt Mrkg, Preformed Thermoplastic, Accessible Sym	8110204	3.000	Ea
0440	Pavt Mrkg, Waterborne, 6 inch, White	8110233	795.000	Ft
0450	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	835.000	Ft
0460	Pavt Mrkg, Waterborne, 12 inch, White	8110237	255.000	Ft
0470	Pavt Mrkg, Waterborne, for Rest Areas, Parks, & Lots, 4 inch, Blue	8110293	164.000	Ft
0480	Pavt Mrkg, Waterborne, for Rest Areas, Parks, & Lots, 4 inch, White	8110294	3,950.000	Ft
0490	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	578.000	Ft
0500	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	536.000	Ft
0510	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0520	Recessing Pavt Mrkg, Longit	8110450	149,410.000	Ft
0530	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	15,674.000	Ft
0540	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	67,160.000	Ft
0550	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	7,540.000	Ft
0560	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, Yellow	8110504	2,678.000	Ft
0570	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	63,897.000	Ft
0580	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	51.000	Ea
0590	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	51.000	Ea
0600	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	340.000	Ea
0610	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	340.000	Ea
0620	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	6.000	Ea
0630	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	6.000	Ea
0640	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	6.000	Ea
0650	Conc Barrier Ending, Temp, Detail 5, Adj	8120060	4.000	Ea

0660	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	4.000	Ea
0670	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	4.000	Ea
0680	Conc Barrier, Temp, Adj	8120080	8,990.000	Ft
0690	Conc Barrier, Temp, Furn	8120081	6,590.000	Ft
0700	Conc Barrier, Temp, Oper	8120082	6,590.000	Ft
0710	Conc Barrier, Temp, Relocated	8120083	2,400.000	Ft
0720	High Intensity Light, Type B, Furn	8120110	34.000	Ea
0730	High Intensity Light, Type B, Oper	8120111	34.000	Ea
0740	Lighted Arrow, Type C, Furn	8120140	8.000	Ea
0750	Lighted Arrow, Type C, Oper	8120141	8.000	Ea
0760	Ltg for Night Work	8120160	1.000	LSUM
0770	Minor Traf Devices	8120170	1.000	LSUM
0780	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	116,808.000	Ft
0790	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	6,638.000	Ft
0800	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	6,638.000	Ft
0810	Plastic Drum, Fluorescent, Furn	8120252	340.000	Ea
0820	Plastic Drum, Fluorescent, Oper	8120253	340.000	Ea
0830	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	144.000	Ft
0840	PTS System, Temp, Furn	8120270	3.000	Ea
0850	PTS System, Temp, Oper	8120271	3.000	Ea
0860	Sign Cover	8120310	50.000	Ea
0870	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	12.000	Ea
0880	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	12.000	Ea
0890	Sign, Type A, Temp, Prismatic, Furn	8120340	70.000	Sft
0900	Sign, Type A, Temp, Prismatic, Oper	8120341	70.000	Sft
0910	Sign, Type B, Temp, Prismatic, Furn	8120350	5,027.000	Sft
0920	Sign, Type B, Temp, Prismatic, Oper	8120351	5,027.000	Sft
0930	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	470.000	Sft
0940	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	470.000	Sft
0950	Traf Regulator Control	8120370	1.000	LSUM
0960	_ Heavy Duty Wrecker	8127050	2.000	Ea
0970	_ Light Duty Wrecker	8127050	5.000	Ea
0980	_ Medium Duty Wrecker	8127050	2.000	Ea
0990	_ Speed Radar Trailer, Temp	8127050	4.000	Ea
1000	_ Traf Speed Sensor, Portable, Temp	8127050	18.000	Ea
1010	_ Control System, Dynamic Work Zone Traf Monitoring System	8127051	1.000	LSUM
1020	_ Slope Restoration, Bonded Fiber Matrix	8167011	778.000	Syd
1030	Shoulder Corrugations, Ground or Cut, Conc	8220000	106,975.000	Ft
1040	Contractor Staking	8240001	1.000	LSUM
1050	Staking Plan Errors and Extras, One Person	8240020	70.000	Hr
1060	Staking Plan Errors and Extras, Two Person	8240021	28.000	Hr

1070	Staking Plan Errors and Extras, Three Person	8240022	42.000	Hr
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Section: 2

1080	_ Flowable Fill	2057021	4.000	Cyd
1090	Backfill, Structure, CIP	2060002	134.000	Cyd
1100	Excavation, Fdn	2060010	114.000	Cyd
1110	Erosion Control, Turbidity Curtain, Deep	2080042	1,000.000	Ft
1120	_ Culvert Joint and Crack Sealing	4017051	1.000	LSUM
1130	Steel Sheet Piling, Temp	7040002	42.000	Sft
1140	Steel Sheet Piling, Temp, Left in Place	7040003	42.000	Sft
1150	Conc, Grade D	7060010	174.000	Cyd
1160	Expansion Joint Device	7060050	865.000	Ft
1170	False Decking	7060060	6,822.000	Sft
1180	Reinforcement, Steel, Epoxy Coated	7060092	33,489.000	Lb
1190	Substructure Conc	7060100	18.000	Cyd
1200	_ Expansive Waterstop	7067001	130.000	Ft
1210	Joint Waterproofing	7100001	2,065.000	Sft
1220	Conc Surface Coating, Warranty (B01 of 76024)	7100009	1.000	LSUM
1230	Conc Surface Coating, Warranty (B02 of 76024)	7100009	1.000	LSUM
1240	Conc Surface Coating, Warranty (S02 of 76024)	7100009	1.000	LSUM
1250	Conc Surface Coating, Warranty (S05 of 76024)	7100009	1.000	LSUM
1260	Conc Surface Coating, Warranty (S06 of 76024)	7100009	1.000	LSUM
1270	Conc Surface Coating, Warranty (S07 of 76024)	7100009	1.000	LSUM
1280	Conc Surface Coating, Warranty (S08 of 76024)	7100009	1.000	LSUM
1290	Conc Surface Coating, Warranty (S09 of 76024)	7100009	1.000	LSUM
1300	Conc Surface Coating, Warranty (S11 of 76024)	7100009	1.000	LSUM
1310	Conc Surface Coating, Warranty (S12 of 76024)	7100009	1.000	LSUM
1320	Conc Surface Coating, Warranty (S13 of 76024)	7100009	1.000	LSUM
1330	Substructure Horizontal Surface Sealer (S02 of 76024)	7100030	51.000	Syd
1340	Substructure Horizontal Surface Sealer (S05 of 76024)	7100030	9.000	Syd
1350	Substructure Horizontal Surface Sealer (S06 of 76024)	7100030	48.000	Syd
1360	Substructure Horizontal Surface Sealer (S07 of 76024)	7100030	50.000	Syd
1370	Substructure Horizontal Surface Sealer (S09 of 76024)	7100030	16.000	Syd
1380	Substructure Horizontal Surface Sealer (S11 of 76024)	7100030	10.000	Syd
1390	Substructure Horizontal Surface Sealer (S12 of 76024)	7100030	10.000	Syd
1400	Substructure Horizontal Surface Sealer (S13 of 76024)	7100030	10.000	Syd
1410	_ Silane Treatment	7107010	6,809.000	Sft
1420	Hand Chipping, Deep	7120004	226.000	Syd
1430	Hand Chipping, Other Than Deck	7120007	246.000	Cft
1440	Patch, Forming	7120017	858.000	Sft
1450	Epoxy Ovly, Rem	7120021	6,392.000	Syd
1460	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	10.000	Ea
1470	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	43.000	Ea
1480	Structures, Rehabilitation, Rem Portions (S02 of 76024)	7120070	1.000	LSUM

1490	Structures, Rehabilitation, Rem Portions (S05 of 76024)	7120070	1.000	LSUM
1500	Structures, Rehabilitation, Rem Portions (S06 of 76024)	7120070	1.000	LSUM
1510	Structures, Rehabilitation, Rem Portions (S07 of 76024)	7120070	1.000	LSUM
1520	Structures, Rehabilitation, Rem Portions (S08 of 76024)	7120070	1.000	LSUM
1530	Structures, Rehabilitation, Rem Portions (S09 of 76024)	7120070	1.000	LSUM
1540	Structures, Rehabilitation, Rem Portions (S11 of 76024)	7120070	1.000	LSUM
1550	Structures, Rehabilitation, Rem Portions (S12 of 76024)	7120070	1.000	LSUM
1560	Structures, Rehabilitation, Rem Portions (S13 of 76024)	7120070	1.000	LSUM
1570	Deck Joint, Rem	7120071	886.000	Ft
1580	Masonry Plate, Grout	7120090	2.000	Ea
1590	Flushing Cracks, Water	7120098	409.000	Ft
1600	Structural Crack, Repr	7120099	409.000	Ft
1610	Patching Conc, C-L	7120112	39.000	Cyd
1620	Embedded Galvanic Anode	7120120	240.000	Ea
1630	_ Hand Chipping, Special	7127010	153.000	Sft
1640	_ Epoxy Ovly, Warranty	7127011	11,419.000	Syd
1650	_ Beam End Repair, Latex Modified Conc	7127020	64.000	Cft
1660	_ Vertical and Overhead Structure Repair	7127020	53.000	Cft
1670	Beam Plate, Seal Perimeter	7130010	2,385.000	Ft
1680	Stiffeners, Furn, Fab, and Erect	7130060	582.000	Lb
1690	Structural Steel, Retrofit, Furn, Fab, and Erect	7130071	809.000	Lb
1700	Support, Column, Temp	7130080	2.000	Ea
1710	Steel Structure, Cleaning, Partial, Type 4 (S02 of 76024)	7150047	1.000	LSUM
1720	Steel Structure, Cleaning, Partial, Type 4 (S06 of 76024)	7150047	1.000	LSUM
1730	Steel Structure, Cleaning, Partial, Type 4 (S07 of 76024)	7150047	1.000	LSUM
1740	Steel Structure, Cleaning, Partial, Type 4 (S08 of 76024)	7150047	1.000	LSUM
1750	Steel Structure, Cleaning, Partial, Type 4 (S09 of 76024)	7150047	1.000	LSUM
1760	Steel Structure, Coating, Partial, Type 4 (S02 of 76024)	7150048	1.000	LSUM
1770	Steel Structure, Coating, Partial, Type 4 (S06 of 76024)	7150048	1.000	LSUM
1780	Steel Structure, Coating, Partial, Type 4 (S07 of 76024)	7150048	1.000	LSUM
1790	Steel Structure, Coating, Partial, Type 4 (S08 of 76024)	7150048	1.000	LSUM
1800	Steel Structure, Coating, Partial, Type 4 (S09 of 76024)	7150048	1.000	LSUM
1810	Riprap, Plain	8130011	148.000	Ton
1820	Slope Paving Header	8130015	43.000	Ft

1830	Slope Paving, Conc	8130020	85.000	Syd
1840	_ Riprap, Special, Class II	8137031	880.000	Ton
1850	_ Riprap, Under Structures, Class II	8137031	103.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 191101 004

Letting Date: November 1, 2019

Contract ID: 28012-113549

Description: Traffic signal modernization and upgrades, ITS device installations, concrete curb, gutter, sidewalk and ramps, and pavement markings on US-31/M-37 from South Airport Road to the Grandview Parkway and on M-72 from M-22 to the north junction of US-31 in the city of Traverse City, Grand Traverse County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
113549A	1901164	N/A	ST 28012
129391A	1901207	N/A	NHG 28041

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$384,700.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	1,016.000	Ft
0030	Curb, Rem	2040021	69.000	Ft
0040	Sidewalk, Rem	2040055	848.000	Syd
0050	Exploratory Investigation, Vertical	2040080	250.000	Ft
0060	_ Brick, Rem and Salv	2047010	147.000	Sft
0070	_ Pavt, Rem, Modified	2047011	220.000	Syd
0080	Embankment, LM	2050011	14.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	25.000	Cyd
0100	Erosion Control, Inlet Protection, Fabric Drop	2080020	50.000	Ea
0110	Erosion Control, Silt Fence	2080036	500.000	Ft
0120	Subbase, CIP	3010002	10.000	Cyd
0130	Aggregate Base	3020001	154.000	Ton
0140	Dr Structure Cover, Adj, Case 2	4030006	8.000	Ea
0150	Dr Structure Cover, Type K	4030050	2.000	Ea
0160	_ Dr Structure Cover, ADA Compliant	4037050	4.000	Ea
0170	HMA Surface, Rem	5010005	53.000	Syd
0180	Hand Patching	5010025	126.000	Ton
0190	Coating Galvanized Support Structures	7160010	9.000	Ea
0200	Drilled Shaft, 36 inch	7180036	15.000	Ft
0210	Temp Casing-Left in Place	7180121	15.000	Ft
0220	_ Pedestrian Path, Temp	8007001	150.000	Ft
0230	_ Active Warning System, Visibility	8007050	1.000	Ea
0240	_ Atmospheric Sensor, Air Temperature/Relative Humidity	8007050	1.000	Ea

0250	_ Atmospheric Sensor, Precipitation	8007050	1.000	Ea
0260	_ Atmospheric Sensor, Ultrasonic Wind	8007050	1.000	Ea
0270	_ Atmospheric Sensor, Visibility	8007050	1.000	Ea
0280	_ Cellular Modem, 4G	8007050	1.000	Ea
0290	_ Environmental Sensor Station Tower	8007050	1.000	Ea
0300	_ Ethernet Private Line Service, Integrate	8007050	2.000	Ea
0310	_ Flashing LED Border Sign, AC	8007050	4.000	Ea
0320	_ Internet Protocol Surveillance System, Environmental Sensor Station	8007050	1.000	Ea
0330	_ Managed Field Ethernet Switch, Fiber Capable	8007050	17.000	Ea
0340	_ Pavement Sensor, Non-Invasive Condition	8007050	1.000	Ea
0350	_ Power Distribution Unit	8007050	3.000	Ea
0360	_ Remote Processing Unit	8007050	1.000	Ea
0370	_ Roadside Unit, Intersection	8007050	14.000	Ea
0380	_ Integration, Advanced Traf Management System Software	8007051	1.000	LSUM
0390	_ Ethernet Private Line Service Monthly Fees	8007060	10,296.000	Dlr
0400	_ Ethernet Private Line Service Provider	8007060	750.000	Dlr
0410	Curb and Gutter, Conc, Det F2	8020036	40.000	Ft
0420	Curb and Gutter, Conc, Det F3	8020037	51.000	Ft
0430	Curb and Gutter, Conc, Det F4	8020038	382.000	Ft
0440	Curb and Gutter, Conc, Det F5	8020039	6.000	Ft
0450	Curb and Gutter, Conc, Det F6	8020040	10.000	Ft
0460	Driveway Opening, Conc, Det M	8020050	36.000	Ft
0470	Detectable Warning Surface	8030010	482.000	Ft
0480	Curb Ramp Opening, Conc	8030030	509.000	Ft
0490	Sidewalk Ramp, Conc, 6 inch	8030036	7,735.000	Sft
0500	Sidewalk, Conc, 4 inch	8030044	174.000	Sft
0510	Sidewalk, Clay Brick Pavers, Rem	8030051	36.000	Sft
0520	_ Brick Paver, Install Salv	8037010	121.000	Sft
0530	Perforated Steel Square Tube Breakaway System	8100330	14.000	Ea
0540	Post, Wood, 4 inch by 6 inch	8100380	96.000	Ft
0550	Sign, Type III, Rem	8100403	1.000	Ea
0560	Sign, Type IIIB	8100405	5.000	Sft
0570	Mast Arm Pole, Cat I	8100510	6.000	Ea
0580	Mast Arm, 35 foot, Cat I	8100523	1.000	Ea
0590	Mast Arm, 45 foot, Cat I	8100525	2.000	Ea
0600	Mast Arm, 50 foot, Cat I	8100526	3.000	Ea
0610	Mast Arm Pole Fdn, 6 Bolt	8100550	91.000	Ft
0620	Rem Spec Mrkg	8110343	2,287.000	Sft
0630	_ Pavt Mrkg, Methyl Methacrylate, 24 inch, Stop Bar	8117001	984.000	Ft
0640	_ Pavt Mrkg, Methyl Methacrylate, 6 inch, Crosswalk	8117001	675.000	Ft
0650	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
0660	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea

0670	Pedestrian Type II Barricade, Temp	8120026	15.000	Ea
0680	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0690	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0700	Ltg for Night Work	8120160	1.000	LSUM
0710	Minor Traf Devices	8120170	1.000	LSUM
0720	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	68.000	Ft
0730	Plastic Drum, Fluorescent, Furn	8120252	200.000	Ea
0740	Plastic Drum, Fluorescent, Oper	8120253	200.000	Ea
0750	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0760	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0770	Sign, Type A, Temp, Prismatic, Furn	8120340	128.000	Sft
0780	Sign, Type A, Temp, Prismatic, Oper	8120341	128.000	Sft
0790	Sign, Type B, Temp, Prismatic, Furn	8120350	1,500.000	Sft
0800	Sign, Type B, Temp, Prismatic, Oper	8120351	1,500.000	Sft
0810	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	8.000	Sft
0820	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	8.000	Sft
0830	Traf Regulator Control	8120370	1.000	LSUM
0840	Slope Restoration, Type A	8160100	259.000	Syd
0850	Cable Pole, Sec, Disman	8190006	1.000	Ea
0860	Cable Pole, TS, Disman	8190010	4.000	Ea
0870	Cable, Rem	8190016	5,045.000	Ft
0880	Conduit, DB, 1, 1 1/2 inch	8190027	1,005.000	Ft
0890	Conduit, DB, 1, 3 inch	8190029	480.000	Ft
0900	Conduit, DB, 2, 3 inch	8190032	60.000	Ft
0910	Conduit, DB, 3, 3 inch	8190035	530.000	Ft
0920	Conduit, DB, 4, 3 inch	8190038	150.000	Ft
0930	Conduit, Rem	8190140	725.000	Ft
0940	DB Cable, in Conduit, 600V, 1/C#6	8190211	2,195.000	Ft
0950	Cable, Equipment Grounding Wire, 1/C#6	8190236	705.000	Ft
0960	Hh, Polymer Conc	8190250	32.000	Ea
0970	Hh, Rem	8190254	40.000	Ea
0980	Hh, Round, 3 foot dia	8190259	15.000	Ea
0990	Hh, Round	8190260	33.000	Ea
1000	Cable, Sec, 600V, 1, 3/C#6	8190399	1,325.000	Ft
1010	Wood Pole, Fit Up, TS Cable Pole	8190501	4.000	Ea
1020	Wood Pole, Rem	8190505	3.000	Ea
1030	Conduit, Directional Bore, 1, 1 1/2 inch	8190601	70.000	Ft
1040	Conduit, Directional Bore, 1, 3 inch	8190602	770.000	Ft
1050	Conduit, Directional Bore, 2, 3 inch	8190604	170.000	Ft
1060	Conduit, Directional Bore, 3, 3 inch	8190606	70.000	Ft
1070	_ Cable, Shielded, 600V, 1, 2/C#16	8197001	1,200.000	Ft
1080	_ Cable, Shielded, 600V, 1, 2/C#16, P.J.	8197001	1,700.000	Ft
1090	_ Conduit, DB, 1, 1 inch	8197001	320.000	Ft
1100	_ Hh, Round, Elec	8197050	7.000	Ea
1110	Case Sign (LED), One Way, 12 inch by 27 inch	8200019	12.000	Ea

1120	Case Sign, Rem	8200020	21.000	Ea
1130	Case Sign (LED), Two Way, 24 inch by 30 inch	8200022	1.000	Ea
1140	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	22.000	Ea
1150	Controller and Cabinet, Rem	8200030	15.000	Ea
1160	Controller and Cabinet, Digital Type	8200031	15.000	Ea
1170	Case Sign (LED), Disappearing Legend, One Way, 24 inch by 30 inch	8200042	1.000	Ea
1180	Controller Fdn, Base Mount	8200045	14.000	Ea
1190	Controller Fdn, Rem	8200046	8.000	Ea
1200	Controller, Digital Type	8200047	3.000	Ea
1210	Controller, Rem	8200049	3.000	Ea
1220	Global Positioning System Module	8200050	2.000	Ea
1230	Fdn, Rem	8200065	22.000	Ea
1240	Louver	8200080	4.000	Ea
1250	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	23.000	Ea
1260	Metered Serv	8200090	10.000	Ea
1270	Metered Serv, Rem	8200095	3.000	Ea
1280	Pedestal, Alum	8200100	17.000	Ea
1290	Pedestal, Fdn	8200105	24.000	Ea
1300	Pedestal Fdn, Rem	8200106	20.000	Ea
1310	Pedestal, Rem	8200110	14.000	Ea
1320	Pedestal, Underground Serv, Metered	8200111	2.000	Ea
1330	Power Co. (Est. Cost to Contractor)	8200116	6,814.000	Dlr
1340	Pushbutton and Sign	8200121	38.000	Ea
1350	Pushbutton, Rem	8200122	21.000	Ea
1360	Pushbutton Pedestal, Alum	8200123	6.000	Ea
1370	Pushbutton Pedestal, Rem	8200124	7.000	Ea
1380	Serv Disconnect	8200135	12.000	Ea
1390	Serv Disconnect, Rem	8200136	13.000	Ea
1400	Span Wire	8200140	44.000	Ea
1410	Span Wire, Rem	8200141	19.000	Ea
1420	Span Wire Tether	8200142	4.000	Ea
1430	Steel Pole, Rem	8200145	22.000	Ea
1440	Steel Pole, Rem (Embedded)	8200146	2.000	Ea
1450	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	30.000	Ea
1460	TS, Pedestrian, Pedestal Mtd, Rem	8200181	19.000	Ea
1470	TS, Span Wire Mtd, Rem	8200182	56.000	Ea
1480	TS, Wireless Link, 5 Gigahertz, Master	8200274	16.000	Ea
1490	TS, Wireless Link, 5 Gigahertz, Remote	8200275	20.000	Ea
1500	TS, Wireless Link, Rem	8200280	6.000	Ea
1510	TS, One Way Mast Arm Mtd, RTGA (LED)	8200301	1.000	Ea
1520	TS, One Way Span Wire Mtd (LED)	8200313	87.000	Ea
1530	TS, One Way Span Wire Mtd, FYA (LED)	8200314	14.000	Ea
1540	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	10.000	Ea
1550	TS, Two Way Span Wire Mtd (LED)	8200322	1.000	Ea

1560	TS, Four Way Span Wire Mtd (LED)	8200327	2.000	Ea
1570	TS, One Way Bracket Arm Mtd (LED)	8200333	4.000	Ea
1580	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	6.000	Ea
1590	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	24.000	Ea
1600	TS, One Way Pedestal Mtd (LED)	8200340	1.000	Ea
1610	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	14.000	Ea
1620	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	7.000	Ea
1630	TS, One Way Mast Arm Mtd (LED)	8200359	14.000	Ea
1640	Bracket, Truss, With 12 Foot Arm	8200376	7.000	Ea
1650	Bracket, Truss, With 18 Foot Arm	8200378	32.000	Ea
1660	Video Traf Detection System, Rem	8200383	4.000	Ea
1670	Video Traf Detection Camera, Rem	8200384	10.000	Ea
1680	Bracket, Truss, Rem	8200388	9.000	Ea
1690	Wireless Intercn, Closed Loop, Rem	8200396	11.000	Ea
1700	Wireless Repeater	8200421	14.000	Ea
1710	Wireless Vehicle Detection System	8200422	3.000	Ea
1720	Wireless Vehicle Detection System, Rem	8200423	5.000	Ea
1730	Wireless Vehicle Detection System, Salv	8200424	1.000	Ea
1740	Wireless Vehicle Sensor Node	8200425	39.000	Ea
1750	Wireless Vehicle Sensor Node, Rem	8200426	104.000	Ea
1760	Hemispherical Video Detection Camera	8200444	23.000	Ea
1770	Hemispherical Video Detection System	8200445	21.000	Ea
1780	TS Face, Bag	8200458	6.000	Ea
1790	TS Face, Bag, Rem	8200459	6.000	Ea
1800	Strain Pole, Steel, 6 bolt, 30 foot	8200460	22.000	Ea
1810	Strain Pole, Steel, 6 bolt, 36 foot	8200461	5.000	Ea
1820	Strain Pole, Steel, 6 bolt, 40 foot	8200462	13.000	Ea
1830	Strain Pole Fdn, 6 Bolt	8200470	556.000	Ft
1840	Casing	8200480	486.000	Ft
1850	Wireless Intercn, Sign Mtd Flasher, Master	8200490	2.000	Ea
1860	Wireless Intercn, Sign Mtd Flasher, Remote	8200492	2.000	Ea
1870	Cellular Modem, TS, 4G	8200498	4.000	Ea
1880	Backplate, TS	8200501	17.000	Ea
1890	Backplate, TS, Rem	8200502	1.000	Ea
1900	Radar Vehicle Dilemma Zone Detector System	8200520	7.000	Ea
1910	Radar Vehicle Dilemma Zone Detector Sensor	8200523	17.000	Ea
1920	_ CCTV Camera, Rem and Salv	8207050	1.000	Ea
1930	_ ITS Cabinet, Pole Mounted	8207050	1.000	Ea
1940	_ St Name Sign, Two Way, (LED), 8 foot	8207050	4.000	Ea
1950	_ TS, One Way Bracket Arm Mtd, Five Sect (LED)	8207050	2.000	Ea
1960	_ Wi-Fi Sensor, Field	8207050	11.000	Ea
1970	_ Traffic Congestion System, Integration	8207051	1.000	LSUM

1980	Gate Box, Adj, Case 2	8230432	5.000	Ea
1990	Contractor Staking, Road Only	8240007	1.000	LSUM
2000	Staking Plan Errors and Extras, One Person	8240020	32.000	Hr
2010	Staking Plan Errors and Extras, Two Person	8240021	13.000	Hr
2020	Staking Plan Errors and Extras, Three Person	8240022	20.000	Hr
2030	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
2040	Lightning Protection, Pole	8260021	17.000	Ea
2050	Managed Field Ethernet Switch, Layer 2	8260080	1.000	Ea
2060	Managed Field Ethernet Switch, Rem and Salv	8260084	4.000	Ea
2070	Power Serv, Underground, 30A, 120/240V	8260100	3.000	Ea
2080	Surveillance System, Remote Site, Type A	8260157	6.000	Ea
2090	System Integration and Testing	8260160	1.000	LSUM



Schedule of Pay Items

Report v1

Letting Call: 191101 005

Letting Date: November 1, 2019

Contract ID: 70000-207443

Description: Pedestrian safety improvements including concrete curb and gutter, sidewalk, sidewalk ramps and pavement markings on Ottawa Beach Road at First Avenue, at the DNR boat launch at Bower Street, and at the state park campground, Ottawa County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
207443A	1901046	N/A	HSIP 70000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$6,400.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	1.000	Ea
0030	Curb and Gutter, Rem	2040020	66.000	Ft
0040	Sidewalk, Rem	2040055	40.000	Syd
0050	Excavation, Earth	2050016	50.000	Cyd
0060	Erosion Control, Inlet Protection, Fabric Drop	2080020	6.000	Ea
0070	Erosion Control, Silt Fence	2080036	100.000	Ft
0080	Subbase, CIP	3010002	23.000	Cyd
0090	Approach, CI I, 6 inch	3070008	25.000	Syd
0100	HMA Surface, Rem	5010005	38.000	Syd
0110	Hand Patching	5010025	6.000	Ton
0120	Curb and Gutter, Conc, Det B2	8020016	8.000	Ft
0130	Curb and Gutter, Conc, Det F2	8020036	24.000	Ft
0140	Detectable Warning Surface	8030010	83.000	Ft
0150	Curb Ramp Opening, Conc	8030030	35.000	Ft
0160	Sidewalk Ramp, Conc, 6 inch	8030036	713.000	Sft
0170	Sidewalk, Conc, 4 inch	8030044	186.000	Sft
0180	Band, Sign	8100010	4.000	Ea
0190	Post, Steel, 3 lb	8100371	224.000	Ft
0200	Sign, Type III, Rem	8100403	3.000	Ea
0210	Sign, Type IIIB	8100405	243.000	Sft
0220	Reflective Panel for Permanent Sign Support, 6 foot	8100616	14.000	Ea
0230	_ Pavt Mrkg, Waterborne, 12 inch, White, Crosswalk	8117001	384.000	Ft
0240	_ Pavt Mrkg, Waterborne, 6 inch, White, Crosswalk	8117001	60.000	Ft
0250	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
0260	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea

0270	Pedestrian Type II Barricade, Temp	8120026	10.000	Ea
0280	Pedestrian Type II Channelizer, Temp	8120027	240.000	Ft
0290	Channelizing Device, 42 inch, Furn	8120030	50.000	Ea
0300	Channelizing Device, 42 inch, Oper	8120031	50.000	Ea
0310	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0320	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0330	Minor Traf Devices	8120170	1.000	LSUM
0340	Pavt Mrkg, Longit, Water Blasting, 6 inch or less Width, Rem	8120212	258.000	Ft
0350	Sign, Type B, Temp, Prismatic, Furn	8120350	258.000	Sft
0360	Sign, Type B, Temp, Prismatic, Oper	8120351	258.000	Sft
0370	Traf Regulator Control	8120370	1.000	LSUM
0380	_ Pedestrian Path, Temp	8127001	90.000	Ft
0390	_ Slope Restoration, Modified	8167011	110.000	Syd
0400	_ Collaborator, 30 WATT Solar	8207050	3.000	Ea
0410	_ Flsh Beacon, Rectangular Rapid, Solar Power	8207050	8.000	Ea
0420	_ Intelligent Controller, 30 WATT	8207050	2.000	Ea
0430	_ LED Flasher Ring, 36 inch, Warning, Amber	8207050	1.000	Ea
0440	_ Pedestal, Fdn and Post	8207050	5.000	Ea
0450	_ Pushbutton and Sign	8207050	4.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 006

Letting Date: November 1, 2019

Contract ID: 39000-202857

Description: 1.22 mi of hot mix asphalt cold milling and resurfacing including widening for a center left turn lane on 8th Street from south of S Avenue to north of R Avenue, Kalamazoo County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202857A	1901021	N/A	HRRR 39000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$99,700.00	1500001	1.000	LSUM
0020	Stump, Rem, 19 inch to 36 inch	2020006	5.000	Ea
0030	Stump, Rem, 37 inch or Larger	2020007	3.000	Ea
0040	Stump, Rem, 6 inch to 18 inch	2020008	11.000	Ea
0050	Culv, Rem, Less than 24 inch	2030001	196.000	Ea
0060	Curb and Gutter, Rem	2040020	410.000	Ft
0070	Pavt, Rem	2040050	33.000	Syd
0080	Ditch Cleanout	2050006	28.000	Sta
0090	Embankment, CIP	2050010	828.000	Cyd
0100	Excavation, Earth	2050016	10,041.000	Cyd
0110	Subgrade Undercutting, Type II	2050041	250.000	Cyd
0120	Erosion Control, Silt Fence	2080036	2,000.000	Ft
0130	Subbase, CIP	3010002	8,090.000	Cyd
0140	Aggregate Base, 6 inch	3020016	174.000	Syd
0150	Aggregate Base, 8 inch	3020020	14,696.000	Syd
0160	Approach, CI II	3070021	52.000	Ton
0170	Shoulder, CI II, 6 inch	3070128	4,639.000	Syd
0180	Culv, CI A, CSP, 12 inch	4010199	282.000	Ft
0190	Cold Milling HMA Surface	5010003	1,019.000	Ton
0200	HMA Surface, Rem	5010005	5,237.000	Syd
0210	HMA Approach	5010061	13.000	Ton
0220	_ HMA, 13A, Modified	5017031	2,009.000	Ton
0230	_ HMA, 36A, Modified	5017031	3,225.000	Ton
0240	Curb and Gutter, Conc, Det B2	8020016	922.000	Ft
0250	Shoulder Gutter, Conc, Det 3	8020057	2.000	Ea
0260	Post, Mailbox	8070095	18.000	Ea
0270	Post, Steel, 3 lb	8100371	540.000	Ft

0280	Sign, Type III, Rem	8100403	25.000	Ea
0290	Sign, Type IIIB	8100405	153.000	Sft
0300	Reflective Panel for Permanent Sign Support, 6 foot	8100616	34.000	Ea
0310	Pavt Mrkg, Waterborne, 4 inch, White	8110231	8,715.000	Ft
0320	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	7,570.000	Ft
0330	_ Pavt Mrkg, Waterborne, Lt Turn Arrow Sym	8117050	14.000	Ea
0340	_ Pavt Mrkg, Waterborne, Only	8117050	7.000	Ea
0350	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	7.000	Ea
0360	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	7.000	Ea
0370	Lighted Arrow, Type C, Furn	8120140	7.000	Ea
0380	Lighted Arrow, Type C, Oper	8120141	7.000	Ea
0390	Minor Traf Devices	8120170	1.000	LSUM
0400	Plastic Drum, High Intensity, Furn	8120250	180.000	Ea
0410	Plastic Drum, High Intensity, Oper	8120251	180.000	Ea
0420	Sign, Portable, Changeable Message, Furn	8120330	1.000	Ea
0430	Sign, Portable, Changeable Message, Oper	8120331	1.000	Ea
0440	Sign, Type B, Temp, Prismatic, Furn	8120350	398.000	Sft
0450	Sign, Type B, Temp, Prismatic, Oper	8120351	398.000	Sft
0460	Traf Regulator Control	8120370	1.000	LSUM
0470	Riprap, Plain	8130010	13.000	Syd
0480	_ Native Seeding	8167011	4,408.000	Syd
0490	_ Turf Establishment	8167011	707.000	Syd
0500	Monument Box	8210001	3.000	Ea
0510	Monument Preservation	8210010	3.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 007

Letting Date: November 1, 2019

Contract ID: 63000-205169

Description: 0.10 mi of replacement of corrugated metal arch pipe with concrete box culvert, headwall and wingwalls, hot mix asphalt paving, storm sewer, guardrail and approach work on Davisburg Road over Garner Drain (Buckhorn Creek), Oakland County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
205169A	1901101	N/A	STL 63000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$76,500.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	4.000	Ea
0030	Culv, Rem, Less than 24 inch	2030001	5.000	Ea
0040	Culv, Rem, Over 48 inch	2030003	1.000	Ea
0050	Guardrail, Rem	2040035	230.000	Ft
0060	_ Clearing, RCOC	2047011	675.000	Syd
0070	_ Exploration for Utility Location	2047021	10.000	Cyd
0080	_ Rocks, Relocate	2047051	1.000	LSUM
0090	Embankment, CIP	2050010	205.000	Cyd
0100	Excavation, Channel	2050015	55.000	Cyd
0110	Excavation, Earth	2050016	495.000	Cyd
0120	Subgrade Undercutting, Type II	2050041	50.000	Cyd
0130	_ Excavation, Earth, RCOC	2057011	147.000	Syd
0140	Backfill, Structure, CIP	2060002	1,505.000	Cyd
0150	Excavation, Fdn	2060010	1,895.000	Cyd
0160	Erosion Control, Filter Bag	2080014	4.000	Ea
0170	Erosion Control, Turbidity Curtain, Shallow	2080044	100.000	Ft
0180	_ Erosion Control, Silt Fence, RCOC	2087001	810.000	Ft
0190	_ Erosion Control, Inlet Protection, Sediment Trap, RCOC	2087050	2.000	Ea
0200	_ Aggregate Base, 8 inch, CIP, 21AA, RCOC	3027011	1,830.000	Syd
0210	Maintenance Gravel	3060020	105.000	Ton
0220	_ Shoulder, 21AA	3077031	250.000	Ton
0230	_ Geotextile Fabric, Type NW 8	3087011	400.000	Syd
0240	Culv End Sect, Conc, 15 inch	4010048	3.000	Ea
0250	_ Culv, CI F, CSP, 15 inch, RCOC	4017001	60.000	Ft
0260	Sewer, CI E, 15 inch, Tr Det B	4020601	278.000	Ft
0270	Trench Undercut and Backfill	4021260	50.000	Cyd

0280	Dr Structure Cover, Type G	4030040	2.000	Ea
0290	Dr Structure, 48 inch dia	4030210	2.000	Ea
0300	Underdrain, Fdn, 6 inch	4040033	86.000	Ft
0310	Underdrain Outlet, 6 inch	4040093	80.000	Ft
0320	Underdrain, Outlet Ending, 6 inch	4040113	4.000	Ea
0330	Culv Bedding, Box Culv	4060005	210.000	Cyd
0340	_ Culv, Precast Conc Box, 12 foot by 9 foot, Modified	4067001	72.000	Ft
0350	_ Box Culvert Joint Tie Assemblies	4067051	1.000	LSUM
0360	HMA Surface, Rem	5010005	795.000	Syd
0370	HMA, 3E1	5010044	115.000	Ton
0380	HMA, 5E1	5010056	115.000	Ton
0390	HMA Approach	5010061	50.000	Ton
0400	_ Pavt, Cleaning, RCOC	5017051	1.000	LSUM
0410	Cofferdams	7040007	1.000	LSUM
0420	_ Instrumentation and Monitoring	7057051	1.000	LSUM
0430	Water Repellent Treatment, Penetrating	7060140	90.000	Syd
0440	_ Precast Wingwalls, Furn and Erect	7067051	1.000	LSUM
0450	Joint Waterproofing	7100001	230.000	Sft
0460	Membrane, Preformed Waterproofing	7100008	2,664.000	Sft
0470	Guardrail, Type B	8070000	125.000	Ft
0480	Guardrail, Type MGS-8	8070004	150.000	Ft
0490	Guardrail Departing Terminal, Type B	8070050	2.000	Ea
0500	Guardrail Reflector	8070080	9.000	Ea
0510	Post, Mailbox	8070095	3.000	Ea
0520	_ Guardrail Approach Terminal, Type 2M, MSKT	8077050	2.000	Ea
0530	Post, Steel, 3 lb	8100371	28.000	Ft
0540	Sign, Type I, Erect, Salv	8100390	2.000	Ea
0550	Sign, Type I, Rem	8100391	6.000	Ea
0560	_ Post, Flexible, Delineator, RCOC	8107050	2.000	Ea
0570	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	600.000	Ft
0580	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	800.000	Ft
0590	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
0600	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
0610	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0620	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0630	Minor Traf Devices	8120170	1.000	LSUM
0640	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	400.000	Ft
0650	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	400.000	Ft
0660	Plastic Drum, High Intensity, Furn	8120250	20.000	Ea
0670	Plastic Drum, High Intensity, Oper	8120251	20.000	Ea
0680	Sign Cover	8120310	10.000	Ea
0690	Sign, Type B, Temp, Prismatic, Furn	8120350	551.000	Sft

0700	Sign, Type B, Temp, Prismatic, Oper	8120351	551.000	Sft
0710	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	372.000	Sft
0720	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	372.000	Sft
0730	Traf Regulator Control	8120370	1.000	LSUM
0740	_ Riprap, Heavy, RCOC	8137011	160.000	Syd
0750	_ Riprap, Plain, RCOC	8137011	25.000	Syd
0760	_ Sprinkler Line	8157001	100.000	Ft
0770	_ Sprinkler Head, Relocate	8157050	5.000	Ea
0780	_ Sprinkler Head, Replace	8157050	5.000	Ea
0790	_ Geocellular Confinement System	8167011	150.000	Syd
0800	_ Turf Establishment, THM Seed, Special Mulch, Performance, RCOC	8167011	640.000	Syd
0810	_ Dry Fire Hydrant, Remove and Replace	8237051	1.000	LSUM
0820	_ Reimbursed Permit Fees	8507060	2,500.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 191101 008

Letting Date: November 1, 2019

Contract ID: 11056-129876

Description: 0.17 mi of hot mix asphalt reconstruction, concrete pavement, curb and gutter, drainage, guardrail and pavement markings, bridge rehabilitation including concrete overlay, joint replacement, pin and hanger replacement, full painting, steel repair, concrete surface coating and approach work on US-31 over US-12, Berrien County. This project includes a 2 year concrete surface coating warranty and a 2 year bridge coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
129876A	1901118	N/A	NH 11056

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$287,000.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.010	Acre
0030	Culv, Rem, Less than 24 inch	2030001	3.000	Ea
0040	Dr Structure, Rem	2030011	11.000	Ea
0050	Sewer, Rem, Less than 24 inch	2030015	529.000	Ft
0060	Curb and Gutter, Rem	2040020	1,419.000	Ft
0070	Guardrail, Rem	2040035	2,356.000	Ft
0080	Masonry and Conc Structure, Rem	2040045	12.000	Cyd
0090	Pavt, Rem	2040050	3,485.000	Syd
0100	Embankment, CIP	2050010	746.000	Cyd
0110	Excavation, Earth	2050016	2,045.000	Cyd
0120	Subgrade Undercutting, Type II	2050041	50.000	Cyd
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	5.000	Ea
0140	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0150	Erosion Control, Silt Fence	2080036	769.000	Ft
0160	Aggregate Base, 6 inch	3020016	8,001.000	Syd
0170	Shoulder, CI II, 6 inch	3070128	177.000	Syd
0180	Culv, Downspout, 18 inch	4010797	961.000	Ft
0190	Dr Marker Post	4011109	17.000	Ea
0200	Cold Milling HMA Surface	5010002	2,719.000	Syd
0210	HMA Surface, Rem	5010005	3,971.000	Syd
0220	HMA Quality Initiative	5010007	8,124.000	Dlr
0230	Longitudinal Joint Density Quality Initiative	5010018	15,350.000	Dlr
0240	HMA, 3E10	5010046	2,086.000	Ton
0250	HMA, 4E10	5010052	1,394.000	Ton
0260	HMA Approach	5010061	308.000	Ton

0270	HMA, LVSP	5010703	274.000	Ton
0280	Conc Pavt, Curing Horizontal Surfaces	6020159	471.000	Syd
0290	Joint, Expansion, E3	6020208	206.000	Ft
0300	Conc Quality Initiative	6020401	2,921.000	Dlr
0310	_ Filling Shld Corrugations with Hot-Poured Rubber	6037001	3,442.000	Ft
0320	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	471.000	Syd
0330	Conc, Grade S2	7060011	17.000	Cyd
0340	Reinforcement, Steel, Culv and Headwall	7060091	850.000	Lb
0350	Curb and Gutter, Bridge Approach	8020010	200.000	Ft
0360	Curb and Gutter, Conc, Det D2	8020031	1,530.000	Ft
0370	Downspout Header, Conc	8020070	17.000	Ea
0380	Guardrail, Type T	8070002	888.000	Ft
0390	Guardrail, Type MGS-8	8070004	1,069.000	Ft
0400	Guardrail Anch, Bridge, Det T1	8070022	8.000	Ea
0410	Guardrail Approach Terminal, Type 2M	8070044	3.000	Ea
0420	Guardrail Departing Terminal, Type MGS	8070052	2.000	Ea
0430	Guardrail Reflector	8070080	66.000	Ea
0440	Bridge Sign Connection, Bolt Replacement	8100020	2.000	Ea
0450	Delineator Reflector, Green	8100133	22.000	Ea
0460	Delineator, Rem	8100349	15.000	Ea
0470	Post, Rigid, Delineator	8100361	5.000	Ea
0480	Sign, Type I, Erect, Salv	8100390	2.000	Ea
0490	Sign, Type I, Rem	8100391	2.000	Ea
0500	Sign, Type II, Erect, Salv	8100396	1.000	Ea
0510	Sign, Type II, Rem	8100397	1.000	Ea
0520	Pavt Mrkg, Waterborne, 4 inch, White	8110231	4,711.000	Ft
0530	Pavt Mrkg, Waterborne, 6 inch, White	8110233	5,148.000	Ft
0540	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	5,214.000	Ft
0550	Pavt Mrkg, Waterborne, 12 inch, White	8110237	2,916.000	Ft
0560	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	4,711.000	Ft
0570	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	5,148.000	Ft
0580	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	5,214.000	Ft
0590	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	2,916.000	Ft
0600	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	246.000	Ft
0610	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	1,190.000	Ft
0620	Rem Curing Compound, for Longit Mrkg, 12 inch	8110310	340.000	Ft
0630	Barricade, Type III, High Intensity, Lighted, Furn	8120022	30.000	Ea
0640	Barricade, Type III, High Intensity, Lighted, Oper	8120023	30.000	Ea
0650	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	5.000	Ea
0660	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	4.000	Ea
0670	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	4.000	Ea
0680	Conc Barrier, Temp, Adj	8120080	5,125.000	Ft
0690	Conc Barrier, Temp, Furn	8120081	4,560.000	Ft
0700	Conc Barrier, Temp, Oper	8120082	4,560.000	Ft

0710	High Intensity Light, Type B, Furn	8120110	4.000	Ea
0720	High Intensity Light, Type B, Oper	8120111	4.000	Ea
0730	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0740	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0750	Minor Traf Devices	8120170	1.000	LSUM
0760	Mobile Attenuator	8120180	1.000	Ea
0770	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	12,832.000	Ft
0780	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	1,486.000	Ft
0790	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	18,264.000	Ft
0800	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	29,491.000	Ft
0810	Plastic Drum, Fluorescent, Furn	8120252	385.000	Ea
0820	Plastic Drum, Fluorescent, Oper	8120253	385.000	Ea
0830	Sign Cover	8120310	68.000	Ea
0840	Sign Cover, Type 1	8120320	2.000	Ea
0850	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0860	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0870	Sign, Type B, Temp, Prismatic, Furn	8120350	2,394.000	Sft
0880	Sign, Type B, Temp, Prismatic, Oper	8120351	2,394.000	Sft
0890	Riprap, Plain	8130010	34.000	Syd
0900	Slope Restoration, Type B	8160101	6,628.000	Syd
0910	Slope Restoration, Type C	8160102	6,522.000	Syd
0920	Shoulder Corrugations, Ground or Cut, HMA	8220001	4,880.000	Ft
0930	Contractor Staking	8240001	1.000	LSUM
0940	Staking Plan Errors and Extras, One Person	8240020	22.000	Hr
0950	Staking Plan Errors and Extras, Two Person	8240021	9.000	Hr
0960	Staking Plan Errors and Extras, Three Person	8240022	14.000	Hr

Section: 2

0970	HMA Patch, Rem	5010006	1.000	Syd
0980	Conc, Grade D	7060010	38.000	Cyd
0990	Expansion Joint Device	7060050	116.000	Ft
1000	False Decking	7060060	14,406.000	Sft
1010	Reinforcement, Steel, Epoxy Coated	7060092	6,096.000	Lb
1020	_ Expansive Waterstop	7067001	24.000	Ft
1030	Bushing	7070030	64.000	Ea
1040	Joint Waterproofing	7100001	354.000	Sft
1050	Conc Surface Coating, Warranty (S04 of 11056)	7100009	1.000	LSUM
1060	Conc Surface Coating, Warranty (S05 of 11056)	7100009	1.000	LSUM
1070	Conc, Bridge Deck Ovly	7120023	250.000	Cyd
1080	Bridge Deck Surface Construction	7120025	2,998.000	Syd
1090	Structures, Rehabilitation, Rem Portions (S04 of 11056)	7120070	1.000	LSUM
1100	Deck Joint, Rem	7120071	118.000	Ft
1110	Latex Conc Surface, Rem	7120072	2,998.000	Syd

1120	Hydrodemolition, First Pass	7120076	2,998.000	Syd
1130	Hydrodemolition, Second Pass	7120077	300.000	Syd
1140	Beam Plate, Seal Perimeter	7130010	2,140.000	Ft
1150	Hanger Assembly, Field Measurement	7130030	16.000	Ea
1160	Hanger Assembly, Rem and Erect	7130031	16.000	Ea
1170	Heat Straightening Steel (S04 of 11056)	7130040	1.000	LSUM
1180	Structural Steel, Furn and Fab, Pin and Hanger	7130070	7,664.000	Lb
1190	Structural Steel, Retrofit, Furn, Fab, and Erect	7130071	690.000	Lb
1200	Support, Suspension, Temp	7130082	16.000	Ea
1210	Steel Structure, Cleaning, Type 4 (S04 of 11056)	7150045	1.000	LSUM
1220	Steel Structure, Cleaning, Type 4 (S05 of 11056)	7150045	1.000	LSUM
1230	Steel Structure, Coating, Type 4 (S04 of 11056)	7150046	1.000	LSUM
1240	Steel Structure, Coating, Type 4 (S05 of 11056)	7150046	1.000	LSUM
1250	Field Repair of Damaged Coating (S04 of 11056)	7160001	1.000	LSUM
1260	Field Repair of Damaged Coating (S05 of 11056)	7160001	1.000	LSUM



9/27/2019 9:18 AM

AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 009**Letting Date:** November 1, 2019**Contract ID:** 17033-128721**Description:** Cured in place culvert liners, underdrain, riprap, guardrail and pavement markings on I-75 over the north and south branches of the Munuscong River, Chippewa County.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
128721A	1901226	N/A	NH 17033

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	Culv, Rem, Less than 24 inch	2030001	4.000	Ea
0030	Culv, Rem, 24 inch to 48 inch	2030002	2.000	Ea
0040	Guardrail, Rem	2040035	82.000	Ft
0050	Excavation, Earth	2050016	2,042.000	Cyd
0060	Erosion Control, Check Dam, Stone	2080012	20.000	Ft
0070	Erosion Control, Maintenance, Sediment Removal	2080026	20.000	Cyd
0080	Erosion Control, Sediment Trap	2080034	2.000	Ea
0090	Erosion Control, Silt Fence	2080036	600.000	Ft
0100	Erosion Control, Turbidity Curtain, Shallow	2080044	40.000	Ft
0110	_ Cured-In-Place Pipe Lining, 114 inch	4017001	218.000	Ft
0120	_ Cured-In-Place Pipe Lining, 96 inch	4017001	584.000	Ft
0130	Underdrain Outlet, 6 inch	4040093	125.000	Ft
0140	Underdrain, Outlet Ending, 6 inch	4040113	4.000	Ea
0150	_ Bypass Pumping	7047050	2.000	Ea
0160	_ Construction Dam	7047050	2.000	Ea
0170	Guardrail, Type T	8070002	38.000	Ft
0180	Guardrail Approach Terminal, Type 2M	8070044	1.000	Ea
0190	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	1.000	Ea
0200	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	1.000	Ea
0210	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	1.000	Ea
0220	Conc Barrier, Temp, Furn	8120081	230.000	Ft
0230	Conc Barrier, Temp, Oper	8120082	230.000	Ft
0240	Conc Barrier, Temp, Relocated	8120083	230.000	Ft
0250	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0260	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0270	Minor Traf Devices	8120170	1.000	LSUM
0280	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,280.000	Ft

0290	Plastic Drum, Fluorescent, Furn	8120252	131.000	Ea
0300	Plastic Drum, Fluorescent, Oper	8120253	131.000	Ea
0310	Sign, Type B, Temp, Prismatic, Furn	8120350	752.000	Sft
0320	Sign, Type B, Temp, Prismatic, Oper	8120351	752.000	Sft
0330	Traf Regulator Control	8120370	1.000	LSUM
0340	_ Riprap, Special, Class II	8137031	4,084.000	Ton
0350	Slope Restoration, Type C	8160102	450.000	Syd
0360	Flowable Fill, Non-Structural	8260148	8.000	Cyd



Schedule of Pay Items

Report v1

Letting Call: 191101 010

Letting Date: November 1, 2019

Contract ID: 38131-202071

Description: 1.29 mi of hot mix asphalt cold milling and resurfacing, joint repairs, shoulder gravel and pavement markings on US-127 from north of I-94 to Parnall Road, Jackson County. This project includes a 3 year and a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202071A	N/A	N/A	M 38131

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$160,000.00	1500001	1.000	LSUM
0020	Erosion Control, Inlet Protection, Fabric Drop	2080020	6.000	Ea
0030	Erosion Control, Silt Fence	2080036	250.000	Ft
0040	Shoulder, CI II	3070121	713.000	Ton
0050	Pavt, Cleaning	5010001	1.000	LSUM
0060	Cold Milling HMA Surface	5010003	13,192.000	Ton
0070	Bump Grinding	5010004	425.000	Syd
0080	HMA Quality Initiative	5010007	22,996.000	Dlr
0090	Longitudinal Joint Density Quality Initiative	5010018	48,412.000	Dlr
0100	Pavt Joint and Crack Repr, Det 7	5010020	4,000.000	Ft
0110	Hand Patching	5010025	280.000	Ton
0120	HMA, 4E10	5010052	5,539.000	Ton
0130	HMA, 5E3	5010057	964.000	Ton
0140	HMA, 5E10	5010058	4,118.000	Ton
0150	HMA Approach	5010061	109.000	Ton
0160	HMA, 4E10, High Stress	5010510	85.000	Ton
0170	HMA, 5E10, High Stress	5010516	400.000	Ton
0180	Cold Milling Conc Pavt	6030014	1,500.000	Syd
0190	Delineator Reflector, Red	8100131	10.000	Ea
0200	Delineator Reflector, Yellow	8100132	26.000	Ea
0210	Delineator Reflector, Green	8100133	27.000	Ea
0220	Delineator Reflector, White	8100134	75.000	Ea
0230	Delineator, Rem	8100349	20.000	Ea
0240	Post, Rigid, Delineator	8100361	128.000	Ea
0250	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	30.000	Ft
0260	Recessing Pavt Mrkg, Longit	8110450	37,500.000	Ft
0270	Recessing Pavt Mrkg, Transv	8110451	63.000	Sft

0280	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	3,560.000	Ft
0290	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	15,100.000	Ft
0300	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	4,470.000	Ft
0310	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	14,370.000	Ft
0320	_ Enhanced Delineation, Unidirectional, Guardrail, Post Mount	8117001	4,990.000	Ft
0330	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	30.000	Ea
0340	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	30.000	Ea
0350	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0360	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0370	Ltg for Night Work	8120160	1.000	LSUM
0380	Minor Traf Devices	8120170	1.000	LSUM
0390	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	44,640.000	Ft
0400	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	27,300.000	Ft
0410	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	6,150.000	Ft
0420	Plastic Drum, Fluorescent, Furn	8120252	540.000	Ea
0430	Plastic Drum, Fluorescent, Oper	8120253	540.000	Ea
0440	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	30.000	Ft
0450	Sign Cover	8120310	70.000	Ea
0460	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
0470	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
0480	Sign, Type A, Temp, Prismatic, Furn	8120340	90.000	Sft
0490	Sign, Type A, Temp, Prismatic, Oper	8120341	90.000	Sft
0500	Sign, Type B, Temp, Prismatic, Furn	8120350	3,390.000	Sft
0510	Sign, Type B, Temp, Prismatic, Oper	8120351	3,390.000	Sft
0520	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	290.000	Sft
0530	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	290.000	Sft
0540	Shoulder Corrugations, Ground or Cut, HMA	8220001	25,170.000	Ft



Schedule of Pay Items

Report v1

Letting Call: 191101 011

Letting Date: November 1, 2019

Contract ID: 65033-131815

Description: Bridge rehabilitation of 4 structures including epoxy overlay, substructure, superstructure and beam repair, joint replacement, barrier replacement and approach work on I-75 over M-55, I-75BL over Ogemaw Creek and M-55 over Rifle River, Ogemaw County. This project includes a 2 year concrete surface coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131815A	1901135	N/A	ST 65041

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$121,100.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.100	Acre
0030	Culv, Rem, Less than 24 inch	2030001	4.000	Ea
0040	Curb and Gutter, Rem	2040020	204.000	Ft
0050	Guardrail, Rem	2040035	652.000	Ft
0060	Pavt, Rem	2040050	2.000	Syd
0070	Embankment, LM	2050011	36.000	Cyd
0080	Excavation, Earth	2050016	178.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	5.000	Cyd
0100	Erosion Control, Silt Fence	2080036	1,048.000	Ft
0110	Aggregate Base	3020001	235.000	Ton
0120	Shoulder, CI II	3070121	5.000	Ton
0130	Culv, Downspout, 12 inch	4010795	192.000	Ft
0140	HMA Surface, Rem	5010005	346.000	Syd
0150	Hand Patching	5010025	10.000	Ton
0160	HMA Approach	5010061	68.000	Ton
0170	Lane Tie, Epoxy Anchored	6030030	21.000	Ea
0180	Conc, Grade S2	7060011	4.000	Cyd
0190	Reinforcement, Steel, Culv and Headwall	7060091	160.000	Lb
0200	Curb and Gutter, Bridge Approach	8020010	220.000	Ft
0210	Guardrail, Type B	8070000	150.000	Ft
0220	Guardrail, Type T	8070002	176.000	Ft
0230	Guardrail Anch, Bridge, Det T2	8070023	4.000	Ea
0240	Guardrail Reflector	8070080	32.000	Ea
0250	_ Guardrail Anch, Bridge, Det T1, Modified	8077050	8.000	Ea
0260	Post, Steel, 3 lb	8100371	64.000	Ft

0270	Sign, Type II, Erect, Salv	8100396	4.000	Ea
0280	Sign, Type II, Rem	8100397	4.000	Ea
0290	Pavt Mrkg, Waterborne, 4 inch, White	8110231	700.000	Ft
0300	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	9,700.000	Ft
0310	Pavt Mrkg, Waterborne, 6 inch, White	8110233	10,200.000	Ft
0320	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	700.000	Ft
0330	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	9,700.000	Ft
0340	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	10,200.000	Ft
0350	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	700.000	Ft
0360	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	1,000.000	Ft
0370	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0380	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0390	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0400	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	2.000	Ea
0410	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	2.000	Ea
0420	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	2.000	Ea
0430	Conc Barrier Ending, Temp, Detail 5, Adj	8120060	2.000	Ea
0440	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	4.000	Ea
0450	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	4.000	Ea
0460	Conc Barrier, Temp, Adj	8120080	1,570.000	Ft
0470	Conc Barrier, Temp, Furn	8120081	1,150.000	Ft
0480	Conc Barrier, Temp, Oper	8120082	1,170.000	Ft
0490	Conc Barrier, Temp, Relocated	8120083	710.000	Ft
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 Cover, Type R, Black	8120200	1,450.000	Ft
0550	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	5,960.000	Ft
0560	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	3,680.000	Ft
0570	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	6,560.000	Ft
0580	Plastic Drum, Fluorescent, Furn	8120252	80.000	Ea
0590	Plastic Drum, Fluorescent, Oper	8120253	80.000	Ea
0600	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	100.000	Ft
0610	PTS System, Temp, Furn	8120270	1.000	Ea
0620	PTS System, Temp, Oper	8120271	1.000	Ea
0630	Sign, Type A, Temp, Prismatic, Furn	8120340	12.000	Sft
0640	Sign, Type A, Temp, Prismatic, Oper	8120341	12.000	Sft
0650	Sign, Type B, Temp, Prismatic, Furn	8120350	880.000	Sft
0660	Sign, Type B, Temp, Prismatic, Oper	8120351	880.000	Sft
0670	Traf Regulator Control	8120370	1.000	LSUM
0680	Riprap, Plain	8130010	20.000	Syd

0690	Site Preparation, Max \$3,300.00	8150001	1.000	LSUM
0700	Picea glauca, bareroot, 18-24 inch	8152753	25.000	Ea
0710	Picea pungens, bareroot, 18-24 inch	8152799	20.000	Ea
0720	Pinus strobus, bareroot, 18-24 inch	8152868	25.000	Ea
0730	Water, Sodding/Seeding	8160090	1.000	Unit
0740	_ Turf Establishment, Performance	8167011	1,200.000	Syd

Section: 2

0750	Erosion Control, Turbidity Curtain, Shallow	2080044	600.000	Ft
0760	_ Articulating Conc Block System, 8 Inch	2087011	289.000	Syd
0770	Underdrain, Fdn, 4 inch	4040031	208.000	Ft
0780	Underdrain Outlet, 4 inch	4040091	32.000	Ft
0790	Underdrain, Outlet Ending, 4 inch	4040111	4.000	Ea
0800	Bridge Ltg, Furn and Rem (B01 of 65022)	7060001	1.000	LSUM
0810	Bridge Ltg, Oper and Maintain	7060002	31.000	Cyd
0820	Conc, Grade D	7060010	45.000	Cyd
0830	Expansion Joint Device	7060050	385.000	Ft
0840	False Decking	7060060	12,580.000	Sft
0850	Reinforcement, Steel, Epoxy Coated	7060092	39,600.000	Lb
0860	Superstructure Conc, Form, Finish, and Cure (B01 of 65022)	7060111	1.000	LSUM
0870	Superstructure Conc, Form, Finish, and Cure (S09 of 65041)	7060111	1.000	LSUM
0880	Superstructure Conc, Form, Finish, and Cure (S10 of 65041)	7060111	1.000	LSUM
0890	Superstructure Conc, Form, Finish, and Cure, Night Casting (B01 of 65022)	7060112	1.000	LSUM
0900	Superstructure Conc, High Performance	7060116	38.000	Cyd
0910	Superstructure Conc, Night Casting, High Performance	7060117	31.000	Cyd
0920	_ Steel Fiber Reinf Conc	7067021	11.000	Cyd
0930	Joint Waterproofing	7100001	60.000	Sft
0940	Conc Surface Coating, Warranty (B01 of 65022)	7100009	1.000	LSUM
0950	Conc Surface Coating, Warranty (B01 of 65033)	7100009	1.000	LSUM
0960	Conc Surface Coating, Warranty (S09 of 65041)	7100009	1.000	LSUM
0970	Conc Surface Coating, Warranty (S10 of 65041)	7100009	1.000	LSUM
0980	Bridge Railing, Aesthetic, Type 4, Det 2, High Performance	7110051	130.000	Ft
0990	Bridge Railing, Aesthetic, Type 4, Det 2, Modified, High Performance	7110061	802.000	Ft
1000	Hand Chipping, Shallow	7120003	74.000	Syd
1010	Hand Chipping, Deep	7120004	13.000	Syd
1020	Hand Chipping, Other Than Deck	7120007	285.000	Cft
1030	Patch, Forming	7120017	859.000	Sft
1040	Epoxy Ovly	7120020	2,484.000	Syd
1050	Epoxy Ovly, Rem	7120021	1,804.000	Syd
1060	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	124.000	Ea
1070	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	1,804.000	Ea

1080	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	216.000	Ea
1090	Structures, Rehabilitation, Rem Portions (B01 of 65022)	7120070	1.000	LSUM
1100	Structures, Rehabilitation, Rem Portions (S09 of 65041)	7120070	1.000	LSUM
1110	Structures, Rehabilitation, Rem Portions (S10 of 65041)	7120070	1.000	LSUM
1120	Deck Joint, Rem	7120071	302.000	Ft
1130	Reinforcement, Mechanical Splice	7120084	64.000	Ea
1140	Flushing Cracks, Water	7120098	15.000	Ft
1150	Structural Crack, Repr	7120099	15.000	Ft
1160	Patching Conc, C-L	7120112	6.000	Cyd
1170	Embedded Galvanic Anode	7120120	826.000	Ea
1180	Support, Column, Temp	7130080	2.000	Ea
1190	Slope Paving Header	8130015	120.000	Ft
1200	Slope Paving, Conc	8130020	270.000	Syd
1210	_ Riprap, Cobble Fieldstone	8137031	195.000	Ton
1220	_ Riprap, Fieldstone	8137031	148.000	Ton
1230	_ Riprap, Special, Class II	8137031	270.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 191101 012

Letting Date: November 1, 2019

Contract ID: 70023-122685

Description: Bridge rehabilitation including deep overlay, railing replacement, substructure repair, riprap, concrete surface coating, fascia beam paint, scour countermeasures, guardrail, concrete pavement, curb and gutter, guardrail and approach work on I-196BL over the Black River, Ottawa County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
122685A	1901116	N/A	NH 70023

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$81,200.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.000	Acre
0030	Guardrail, Rem	2040035	1,248.000	Ft
0040	Pavt, Rem	2040050	1,654.000	Syd
0050	Excavation, Earth	2050016	2,376.000	Cyd
0060	_ Embankment, CIP, Special	2057021	90.000	Cyd
0070	Erosion Control, Inlet Protection, Fabric Drop	2080020	8.000	Ea
0080	Erosion Control, Silt Fence	2080036	600.000	Ft
0090	Subbase, CIP	3010002	1,720.000	Cyd
0100	Open-Graded Dr Cse, 6 inch	3030006	1,920.000	Syd
0110	_ Open-Graded Dr Cse, 12 inch	3037011	578.000	Syd
0120	_ Shoulder, CL II, 9 inch	3077011	185.000	Syd
0130	Dr Structure Cover, Type D	4030025	8.000	Ea
0140	Underdrain, Subbase, 6 inch	4040063	530.000	Ft
0150	Underdrain Outlet, 6 inch	4040093	120.000	Ft
0160	Underdrain, Outlet Ending, 6 inch	4040113	4.000	Ea
0170	Cold Milling HMA Surface	5010002	450.000	Syd
0180	HMA Surface, Rem	5010005	629.000	Syd
0190	HMA, Temp Pavt (5E3)	5010806	40.000	Ton
0200	Conc Pavt, Curing Horizontal Surfaces	6020159	2,289.000	Syd
0210	Joint, Contraction, Cp	6020200	759.000	Ft
0220	Joint, Expansion, E2	6020207	443.000	Ft
0230	Joint, Expansion, E3	6020208	200.000	Ft
0240	Conc Quality Initiative	6020401	150.000	Dlr
0250	Conc Pavt, Misc, Nonreinf, 9 inch, High Performance	6020514	1,156.000	Syd
0260	Shoulder, Nonreinf Conc, High Performance	6020524	658.000	Syd
0270	Joint, Contraction, Crg	6030020	96.000	Ft

0280	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	475.000	Syd
0290	Curb and Gutter, Bridge Approach	8020010	285.000	Ft
0300	Guardrail, Type B	8070000	100.000	Ft
0310	Guardrail, Type MGS-8	8070004	839.000	Ft
0320	Guardrail, Curved, Type B	8070010	63.000	Ft
0330	Guardrail Anch, Bridge, Det T1	8070022	6.000	Ea
0340	Guardrail Anch, Bridge, Det T2	8070023	2.000	Ea
0350	Guardrail Approach Terminal, Type 3B	8070038	2.000	Ea
0360	Guardrail Approach Terminal, Type 2M	8070044	1.000	Ea
0370	Guardrail Departing Terminal, Type MGS	8070052	1.000	Ea
0380	Guardrail Reflector	8070080	33.000	Ea
0390	Delineator Reflector, Green	8100133	15.000	Ea
0400	Delineator, Rem	8100349	3.000	Ea
0410	Post, Rigid, Delineator	8100361	15.000	Ea
0420	Post, Steel, 3 lb	8100371	87.000	Ft
0430	Sign, Type III, Erect, Salv	8100402	5.000	Ea
0440	Sign, Type III, Rem	8100403	5.000	Ea
0450	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,500.000	Ft
0460	Pavt Mrkg, Waterborne, 6 inch, White	8110233	6,000.000	Ft
0470	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	6,000.000	Ft
0480	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,500.000	Ft
0490	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	6,000.000	Ft
0500	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	6,000.000	Ft
0510	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	175.000	Ft
0520	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	1,400.000	Ft
0530	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0540	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0550	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0560	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	2.000	Ea
0570	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	2.000	Ea
0580	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	2.000	Ea
0590	Conc Barrier, Temp, Adj	8120080	1,080.000	Ft
0600	Conc Barrier, Temp, Furn	8120081	1,080.000	Ft
0610	Conc Barrier, Temp, Oper	8120082	1,080.000	Ft
0620	High Intensity Light, Type B, Furn	8120110	2.000	Ea
0630	High Intensity Light, Type B, Oper	8120111	2.000	Ea
0640	Lighted Arrow, Type B, Furn	8120130	2.000	Ea
0650	Lighted Arrow, Type B, Oper	8120131	2.000	Ea
0660	Minor Traf Devices	8120170	1.000	LSUM
0670	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	13,500.000	Ft
0680	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	3,710.000	Ft
0690	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	3,710.000	Ft

0700	Plastic Drum, Fluorescent, Furn	8120252	140.000	Ea
0710	Plastic Drum, Fluorescent, Oper	8120253	140.000	Ea
0720	Sign Cover	8120310	4.000	Ea
0730	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0740	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0750	Sign, Type B, Temp, Prismatic, Furn	8120350	920.000	Sft
0760	Sign, Type B, Temp, Prismatic, Oper	8120351	920.000	Sft
0770	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	22.000	Sft
0780	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	22.000	Sft
0790	Slope Restoration, Type A	8160100	800.000	Syd
0800	Slope Restoration, Type B	8160101	1,100.000	Syd
0810	Contractor Staking	8240001	1.000	LSUM
0820	Staking Plan Errors and Extras, One Person	8240020	7.000	Hr
0830	Staking Plan Errors and Extras, Two Person	8240021	3.000	Hr
0840	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr

Section: 2

0850	Asbestos Materials, Rem and Disposal	2040001	5,000.000	Dir
0860	Erosion Control, Turbidity Curtain, Deep	2080042	220.000	Ft
0870	_ Underdrain Outlet Cleanout	4047050	2.000	Ea
0880	HMA Patch, Rem	5010006	6.000	Syd
0890	False Decking	7060060	4,940.000	Sft
0900	Reinforcement, Steel, Epoxy Coated	7060092	4,700.000	Lb
0910	_ Texturing Conc	7067011	40.000	Syd
0920	Joint Waterproofing	7100001	232.000	Sft
0930	Conc Surface Coating (B03-3 of 70023)	7100010	1.000	LSUM
0940	Conc Surface Coating (B03-4 of 70023)	7100010	1.000	LSUM
0950	Bridge Railing, Aesthetic, Type 4, Det 2, Modified, High Performance	7110061	246.000	Ft
0960	Scarifying	7120001	508.000	Syd
0970	Hand Chipping, Other Than Deck	7120007	54.000	Cft
0980	Patch, Full Depth	7120010	7.000	Cyd
0990	Patch, Forming	7120017	355.000	Sft
1000	Bridge Deck Surface Construction	7120025	508.000	Syd
1010	Conc, Silica Fume Modified	7120027	70.000	Cyd
1020	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	528.000	Ea
1030	Structures, Rehabilitation, Rem Portions (B03-3 of 70023)	7120070	1.000	LSUM
1040	Structures, Rehabilitation, Rem Portions (B03-4 of 70023)	7120070	1.000	LSUM
1050	Hydrodemolition, First Pass	7120076	508.000	Syd
1060	Hydrodemolition, Second Pass	7120077	20.000	Syd
1070	Flushing Cracks, Water	7120098	23.000	Ft
1080	Structural Crack, Repr	7120099	23.000	Ft
1090	Patching Conc, C-L	7120112	2.000	Cyd

1100	_ Hand Chipping, Full Depth	7127020	189.000	Cft
1110	Beam Plate, Seal Perimeter	7130010	72.000	Ft
1120	Steel Structure, Cleaning, Partial, Type 4 (B03-3 of 70023)	7150047	1.000	LSUM
1130	Steel Structure, Cleaning, Partial, Type 4 (B03-4 of 70023)	7150047	1.000	LSUM
1140	Steel Structure, Coating, Partial, Type 4 (B03-3 of 70023)	7150048	1.000	LSUM
1150	Steel Structure, Coating, Partial, Type 4 (B03-4 of 70023)	7150048	1.000	LSUM
1160	_ Riprap, Under Structures, Plain	8137031	54.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 191101 013

Letting Date: November 1, 2019

Contract ID: 82053-127759

Description: 1.30 mi of intersection modification of existing geometrics, ultra-thin hot mix asphalt overlay, sidewalk ramp upgrades, signal work, signing and pavement markings on US-24 from Elmira Street to Wadsworth Street and on Old M-14 (Plymouth Road) from Wormer Street to Hazelton Avenue, Wayne County. This project includes a 5 year materials and workmanship pavement warranty and a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
127759A	1901199	N/A	HSIP 82053
204362A	1901217	N/A	NH 82101
208119A	N/A	N/A	M 82053

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$165,900.00	1500001	1.000	LSUM
0020	Tree, Rem, 19 inch to 36 inch	2020002	2.000	Ea
0030	Tree, Rem, 6 inch to 18 inch	2020004	18.000	Ea
0040	Dr Structure, Rem	2030011	11.000	Ea
0050	Sewer, Rem, Less than 24 inch	2030015	276.000	Ft
0060	Curb and Gutter, Rem	2040020	1,612.000	Ft
0070	Pavt, Rem	2040050	7,846.000	Syd
0080	Sidewalk, Rem	2040055	620.000	Syd
0090	Exploratory Investigation, Vertical	2040080	70.000	Ft
0100	_ Pavt, Rem, Modified	2047011	69.000	Syd
0110	_ Pavt, Rem, Special	2047011	401.000	Syd
0120	Embankment, CIP	2050010	2,534.000	Cyd
0130	Excavation, Earth	2050016	5,133.000	Cyd
0140	Non Haz Contaminated Material Handling and Disposal, LM	2050031	200.000	Cyd
0150	Subgrade Undercutting, Type II	2050041	200.000	Cyd
0160	Obliterate Old Road	2070002	0.960	Acre
0170	Erosion Control, Inlet Protection, Fabric Drop	2080020	78.000	Ea
0180	Erosion Control, Inlet Protection, Sediment Trap	2080024	14.000	Ea
0190	Erosion Control, Silt Fence	2080036	400.000	Ft
0200	Project Cleanup	2090001	1.000	LSUM
0210	Subbase, CIP	3010002	2,130.000	Cyd
0220	Aggregate Base, 6 inch	3020016	2,034.000	Syd
0230	Aggregate Base, 8 inch	3020020	4,202.000	Syd

0240	Sewer, CI A, 12 inch, Tr Det B	4020033	354.000	Ft
0250	Sewer, CI A, 18 inch, Tr Det B	4020035	21.000	Ft
0260	Sewer Tap, 12 inch	4021204	2.000	Ea
0270	Sewer Tap, 18 inch	4021206	1.000	Ea
0280	Sewer Tap, 24 inch	4021207	2.000	Ea
0290	Dr Structure Cover, Adj, Case 1, Modified	4030004	13.000	Ea
0300	Dr Structure Cover, Adj, Case 2	4030006	23.000	Ea
0310	Dr Structure Cover, Type B	4030010	13.000	Ea
0320	Dr Structure Cover, Type G	4030040	14.000	Ea
0330	Dr Structure Cover, Type K	4030050	14.000	Ea
0340	Dr Structure Lead, Cleaning, 12 inch	4030112	2,510.000	Ft
0350	Dr Structure Lead, Cleaning, 18 inch	4030118	830.000	Ft
0360	Dr Structure Lead, Cleaning, 24 inch	4030124	1,030.000	Ft
0370	Dr Structure, 24 inch dia	4030200	8.000	Ea
0380	Dr Structure, 48 inch dia	4030210	10.000	Ea
0390	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	4.000	Ft
0400	Dr Structure, Cleaning	4030290	86.000	Ea
0410	Dr Structure, Tap, 12 inch	4030312	5.000	Ea
0420	Dr Structure, Tap, 18 inch	4030318	1.000	Ea
0430	Underdrain, Subbase, 6 inch	4040063	2,898.000	Ft
0440	Underdrain Outlet, 6 inch	4040093	140.000	Ft
0450	Pavt, Cleaning	5010001	1.000	LSUM
0460	HMA Surface, Rem	5010005	8,188.000	Syd
0470	HMA Quality Initiative	5010007	3,472.000	Dlr
0480	Longitudinal Joint Density Quality Initiative	5010018	3,387.000	Dlr
0490	HMA Approach	5010061	695.000	Ton
0500	HMA Approach, High Stress	5010520	1,041.000	Ton
0510	_ Micro Cold Milling, HMA, 0 to 2 inches	5017011	27,697.000	Syd
0520	HMA, Ultra-Thin, Medium Volume, Warranty	5040101	27,697.000	Syd
0530	_ Managed Field Ethernet Switch, Fiber Capable	8007050	2.000	Ea
0540	_ Roadside Unit, Intersection	8007050	2.000	Ea
0550	Curb, Conc, Det E4	8020004	188.000	Ft
0560	Curb and Gutter, Conc, Det F3	8020037	6.000	Ft
0570	Curb and Gutter, Conc, Det F6	8020040	4,410.000	Ft
0580	Shoulder Gutter, Conc, Det 1	8020055	1.000	Ea
0590	Spillway, Conc	8020075	16.000	Ft
0600	Detectable Warning Surface	8030010	126.000	Ft
0610	Curb Ramp Opening, Conc	8030030	231.000	Ft
0620	Sidewalk Ramp, Conc, 4 inch	8030034	4,124.000	Sft
0630	Sidewalk Ramp, Conc, 6 inch	8030036	231.000	Sft
0640	Sidewalk, Conc, 4 inch	8030044	1,982.000	Sft
0650	Sidewalk, Conc, 8 inch	8030048	858.000	Sft
0660	Fdn, Wood Support, Rem	8100280	16.000	Ea
0670	Fdn, Perforated Steel Square Tube Sign Breakaway	8100331	4.000	Ea

	System, Rem			
0680	Post, Steel, 3 lb	8100371	594.000	Ft
0690	Post, Wood, 4 inch by 6 inch	8100380	152.000	Ft
0700	Post, Wood, 6 inch by 8 inch	8100382	64.000	Ft
0710	Sign, Type II, Rem	8100397	17.000	Ea
0720	Sign, Type IIA	8100398	144.000	Sft
0730	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0740	Sign, Type III, Rem	8100403	103.000	Ea
0750	Sign, Type IIIA	8100404	42.000	Sft
0760	Sign, Type IIIB	8100405	217.000	Sft
0770	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, White	8110039	95.000	Ft
0780	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	8110040	532.000	Ft
0790	Pavt Mrkg, Ovly Cold Plastic, 4 inch, Turning Guide Line, White	8110053	40.000	Ft
0800	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	10.000	Ea
0810	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	2.000	Ea
0820	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	5.000	Ea
0830	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	1,306.000	Ft
0840	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	464.000	Ft
0850	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	3,253.000	Ft
0860	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	6,982.000	Ft
0870	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	1,134.000	Ft
0880	Pavt Mrkg, Sprayable Thermopl, 8 inch, White	8110157	1,560.000	Ft
0890	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	60.000	Ea
0900	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	60.000	Ea
0910	Pedestrian Type II Barricade, Temp	8120026	12.000	Ea
0920	Pedestrian Type II Channelizer, Temp	8120027	200.000	Ft
0930	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	100.000	Ea
0940	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	100.000	Ea
0950	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0960	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0970	Ltg for Night Work	8120160	1.000	LSUM
0980	Minor Traf Devices	8120170	1.000	LSUM
0990	Mobile Attenuator	8120180	2.000	Ea
1000	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	1,400.000	Ft
1010	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	3,780.000	Ft
1020	Plastic Drum, Fluorescent, Furn	8120252	500.000	Ea
1030	Plastic Drum, Fluorescent, Oper	8120253	500.000	Ea
1040	Sign Cover	8120310	80.000	Ea
1050	Sign, Type B, Temp, Prismatic, Furn	8120350	1,518.000	Sft
1060	Sign, Type B, Temp, Prismatic, Oper	8120351	1,518.000	Sft
1070	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	200.000	Sft

1080	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	200.000	Sft
1090	_ Pedestrian Path, Temp	8127001	200.000	Ft
1100	Site Preparation, Max \$4,840.00	8150001	1.000	LSUM
1110	Watering and Cultivating, First Season, Min \$2,350.00	8150002	1.000	LSUM
1120	Watering and Cultivating, Second Season, Min \$2,900.00	8150003	1.000	LSUM
1130	Acer rubrum Bowhall, 2 inch	8150142	5.000	Ea
1140	Acer x freemanii Armstrong, 2 inch	8150219	5.000	Ea
1150	Crataegus crusgalli Inermis, 2 inch	8151132	5.000	Ea
1160	Gleditsia triacanthos inermis Skyline, 2 inch	8151660	5.000	Ea
1170	Syringa reticulata Ivory Silk, 1 3/4 inch	8153717	2.000	Ea
1180	Tilia americana Redmond, 2 inch	8153840	5.000	Ea
1190	Tilia cordata Corinthian, 2 inch	8153856	3.000	Ea
1200	_ Malus Red Jewel	8157050	5.000	Ea
1210	_ Quercus warei, 2 inch	8157050	5.000	Ea
1220	Slope Restoration, Type A	8160100	4,977.000	Syd
1230	Slope Restoration, Type B	8160101	6,598.000	Syd
1240	Conduit, DB, 1, 1 1/2 inch	8190027	83.000	Ft
1250	Conduit, DB, 3, 3 inch	8190035	45.000	Ft
1260	Conduit, DB, 4, 3 inch	8190038	18.000	Ft
1270	Hh, Polymer Conc	8190250	4.000	Ea
1280	Hh, Rem	8190254	2.000	Ea
1290	Hh, Round, 3 foot dia	8190259	2.000	Ea
1300	Hh, Round	8190260	5.000	Ea
1310	Cable, Sec, 600V, 1, 3/C#6	8190399	94.000	Ft
1320	Wood Pole, Fit Up, TS and Sec Cable Pole	8190500	1.000	Ea
1330	_ Conduit, DB, 1, 1 inch	8197001	25.000	Ft
1340	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	6.000	Ea
1350	Controller Fdn, Base Mount	8200045	2.000	Ea
1360	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	2.000	Ea
1370	Pedestal, Alum	8200100	2.000	Ea
1380	Pedestal, Fdn	8200105	2.000	Ea
1390	Power Co. (Est. Cost to Contractor)	8200116	5,600.000	Dlr
1400	Serv Disconnect	8200135	2.000	Ea
1410	Span Wire	8200140	6.000	Ea
1420	Span Wire, Rem	8200141	2.000	Ea
1430	Span Wire Tether	8200142	6.000	Ea
1440	TS, Span Wire Mtd, Rem	8200182	4.000	Ea
1450	TS, One Way Span Wire Mtd (LED)	8200313	16.000	Ea
1460	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	2.000	Ea
1470	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	2.000	Ea
1480	Wireless Intercn, Closed Loop, Remote	8200395	2.000	Ea
1490	Junction Box, Span Wire	8200456	6.000	Ea
1500	Junction Box, Rem	8200457	2.000	Ea

1510	TS Face, Bag	8200458	8.000	Ea
1520	TS Face, Bag, Rem	8200459	8.000	Ea
1530	Strain Pole, Steel, 6 bolt, 30 foot	8200460	6.000	Ea
1540	Strain Pole Fdn, 6 Bolt	8200470	106.000	Ft
1550	Casing	8200480	84.000	Ft
1560	Cellular Modem, TS, 4G	8200498	2.000	Ea
1570	Backplate, TS	8200501	16.000	Ea
1580	_ Cabinet, NEMA Type	8207050	2.000	Ea
1590	_ Controller, NEMA, ATC Type	8207050	2.000	Ea
1600	Monument Preservation	8210010	1.000	Ea
1610	Contractor Staking, Road Only	8240007	1.000	LSUM
1620	Staking Plan Errors and Extras, One Person	8240020	15.000	Hr
1630	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
1640	Staking Plan Errors and Extras, Three Person	8240022	9.000	Hr
1650	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
1660	Lightning Protection, Pole	8260021	2.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 014

Letting Date: November 1, 2019

Contract ID: 76023-204351

Description: 16.15 mi of hot mix asphalt cold milling and resurfacing, paver placed surface seal, joint repairs and pavement markings on I-69 from east of M-52 easterly to M-13, Shiawassee County. This project includes a 3 year pavement performance warranty and a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204351A	1901183	N/A	IM 76023

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$854,300.00	1500001	1.000	LSUM
0020	Pavt, Rem	2040050	9,330.000	Syd
0030	_ Shoulder, CI II, Modified	3077031	1,390.000	Ton
0040	Pavt, Cleaning	5010001	1.000	LSUM
0050	Cold Milling HMA Surface	5010002	381,720.000	Syd
0060	Bump Grinding	5010004	800.000	Syd
0070	HMA Surface, Rem	5010005	11,260.000	Syd
0080	HMA Quality Initiative	5010007	87,350.000	Dlr
0090	Longitudinal Joint Density Quality Initiative	5010018	257,400.000	Dlr
0100	Pavt Joint and Crack Repr, Det 7	5010020	35,000.000	Ft
0110	Pavt Joint and Crack Repr, Det 8	5010021	35,000.000	Ft
0120	Hand Patching	5010025	7,000.000	Ton
0130	HMA, 3E10	5010046	3,080.000	Ton
0140	HMA, 4E10	5010052	1,280.000	Ton
0150	HMA, 5E10	5010058	31,890.000	Ton
0160	HMA Approach	5010061	420.000	Ton
0170	Overband Crack Fill, Lane	5020003	33.800	Lnmi
0180	Overband Crack Fill, Ramp	5020004	0.600	Lnmi
0190	Paver Placed Surface Seal, Type C, Warranty	5030041	442,950.000	Syd
0200	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Symbol	8110051	4.000	Ea
0210	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	154.000	Ft
0220	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0230	Recessing Pavt Mrkg, Longit	8110450	103,520.000	Ft
0240	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	21,320.000	Ft
0250	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	96,620.000	Ft
0260	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	4,670.000	Ft

0270	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	95,710.000	Ft
0280	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	24.000	Ea
0290	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	24.000	Ea
0300	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	1,001.000	Ea
0310	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	1,001.000	Ea
0320	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0330	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0340	Ltg for Night Work	8120160	1.000	LSUM
0350	Minor Traf Devices	8120170	1.000	LSUM
0360	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	7,010.000	Ft
0370	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	3,730.000	Ft
0380	Plastic Drum, Fluorescent, Furn	8120252	100.000	Ea
0390	Plastic Drum, Fluorescent, Oper	8120253	100.000	Ea
0400	Sign Cover	8120310	24.000	Ea
0410	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	8.000	Ea
0420	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	8.000	Ea
0430	Sign, Type A, Temp, Prismatic, Furn	8120340	36.000	Sft
0440	Sign, Type A, Temp, Prismatic, Oper	8120341	36.000	Sft
0450	Sign, Type B, Temp, Prismatic, Furn	8120350	2,984.000	Sft
0460	Sign, Type B, Temp, Prismatic, Oper	8120351	2,984.000	Sft
0470	Slope Restoration, Type A	8160100	2,670.000	Syd
0480	Monument Box	8210001	2.000	Ea
0490	Monument Preservation	8210010	2.000	Ea
0500	Shoulder Corrugations, Ground or Cut, HMA	8220001	188,320.000	Ft



Schedule of Pay Items

Report v1

Letting Call: 191101 015

Letting Date: November 1, 2019

Contract ID: 36023-201243

Description: 11.65 mi of hot mix asphalt cold milling and resurfacing including shoulders, concrete patching and pavement markings on M-69 from River Street to M-95 and on M-95 at M-69 in the city of Crystal Falls, Iron and Dickinson Counties. This project includes one 5 year and one 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201243A	N/A	N/A	M 36023

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$247,700.00	1500001	1.000	LSUM
0020	_ Berm Grading	2017002	21.000	Sta
0030	Curb and Gutter, Rem	2040020	30.000	Ft
0040	Pavt, Rem	2040050	2,917.000	Syd
0050	Sidewalk, Rem	2040055	412.000	Syd
0060	Excavation, Earth	2050016	2,368.000	Cyd
0070	Erosion Control, Inlet Protection, Fabric Drop	2080020	11.000	Ea
0080	Subbase, CIP	3010002	1,862.000	Cyd
0090	Aggregate Base	3020001	1,350.000	Ton
0100	Maintenance Gravel	3060020	334.000	Ton
0110	Approach, CI I	3070001	53.000	Ton
0120	Shoulder, CI II	3070121	6,540.000	Ton
0130	Dr Structure Cover, Adj, Case 1	4030005	4.000	Ea
0140	Dr Structure, Adj, Add Depth	4030280	10.000	Ft
0150	Underdrain, Subbase, 6 inch	4040063	1,411.000	Ft
0160	Cold Milling HMA Surface	5010002	196,743.000	Syd
0170	HMA Surface, Rem	5010005	3,083.000	Syd
0180	HMA Quality Initiative	5010007	34,724.000	Dlr
0190	Longitudinal Joint Density Quality Initiative	5010018	183,795.000	Dlr
0200	Hand Patching	5010025	22.000	Ton
0210	HMA, 3E3	5010045	425.000	Ton
0220	HMA, 4E3	5010051	354.000	Ton
0230	HMA, 5E3	5010057	16,525.000	Ton
0240	HMA Approach	5010061	36.000	Ton
0250	Joint, Contraction, Cp	6020200	275.000	Ft
0260	Conc Quality Initiative	6020401	1,905.000	Dlr
0270	Joint, Contraction, Crg	6030020	491.000	Ft

0280	Joint, Expansion, Erg	6030021	48.000	Ft
0290	Joint, Expansion, Esc	6030022	6.000	Ft
0300	Lane Tie, Epoxy Anchored	6030030	88.000	Ea
0310	Pavt Repr, Nonreinf Conc, 9 inch	6030046	381.000	Syd
0320	Pavt Repr, Rem	6030080	381.000	Syd
0330	Saw Cut, Intermediate	6030090	157.000	Ft
0340	Curb and Gutter, Conc, Det C2	8020021	1,441.000	Ft
0350	Detectable Warning Surface	8030010	20.000	Ft
0360	Sidewalk Ramp, Conc, 4 inch	8030034	300.000	Sft
0370	Sidewalk, Conc, 4 inch	8030044	3,524.000	Sft
0380	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0390	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, Yellow	8110109	200.000	Ft
0400	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	100.000	Ft
0410	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,283.000	Ft
0420	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	75,417.000	Ft
0430	Pavt Mrkg, Waterborne, 6 inch, White	8110233	132,074.000	Ft
0440	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,283.000	Ft
0450	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	75,417.000	Ft
0460	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	132,074.000	Ft
0470	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0480	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	2.000	Ea
0490	Pavt Mrkg, Polyurea, Railroad Sym	8110411	4.000	Ea
0500	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	3.000	Ea
0510	Pavt Mrkg, Polyurea, Thru & Lt Turn Arrow Sym	8110416	1.000	Ea
0520	Protective Ovly, Snowmobile Trail Crossing	8110550	199.000	Syd
0530	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0540	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0550	Pedestrian Type II Barricade, Temp	8120026	8.000	Ea
0560	Lighted Arrow, Type C, Furn	8120140	5.000	Ea
0570	Lighted Arrow, Type C, Oper	8120141	5.000	Ea
0580	Minor Traf Devices	8120170	1.000	LSUM
0590	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	117,500.000	Ft
0600	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	8,050.000	Ft
0610	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	300.000	Ft
0620	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	8,050.000	Ft
0630	Plastic Drum, Fluorescent, Furn	8120252	300.000	Ea
0640	Plastic Drum, Fluorescent, Oper	8120253	300.000	Ea
0650	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	72.000	Ft
0660	PTS System, Temp, Furn	8120270	1.000	Ea
0670	PTS System, Temp, Oper	8120271	1.000	Ea

0680	Sign Cover	8120310	25.000	Ea
0690	Sign, Type A, Temp, Prismatic, Furn	8120340	48.000	Sft
0700	Sign, Type A, Temp, Prismatic, Oper	8120341	48.000	Sft
0710	Sign, Type B, Temp, Prismatic, Furn	8120350	2,150.000	Sft
0720	Sign, Type B, Temp, Prismatic, Oper	8120351	2,150.000	Sft
0730	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	11.000	Sft
0740	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	11.000	Sft
0750	Traf Regulator Control	8120370	1.000	LSUM
0760	Slope Restoration, Type A	8160100	851.000	Syd
0770	Monument Box	8210001	1.000	Ea
0780	Monument Preservation	8210010	1.000	Ea
0790	Protect Corners	8210020	33.000	Ea
0800	Centerline Corrugations, Milled, HMA	8220013	56,591.000	Ft
0810	_ Railroad Protection, at Grade Crossing	8507060	500.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 191101 016

Letting Date: November 1, 2019

Contract ID: 66022-126886

Description: Deck replacement, full painting, pin and hanger replacement, guardrail work and concrete curb and gutter approach work on M-28 over the Baltimore River, Ontonagon County. This project includes a 5 year materials and workmanship pavement warranty and a 2 year warranty on bridge coating.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
126886A	1901198	N/A	NH 66022

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$114,400.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0030	Curb and Gutter, Rem	2040020	54.000	Ft
0040	Guardrail, Rem	2040035	830.000	Ft
0050	Embankment, CIP	2050010	45.000	Cyd
0060	Excavation, Earth	2050016	143.000	Cyd
0070	Backfill, Structure, CIP	2060002	27.000	Cyd
0080	Excavation, Fdn	2060010	27.000	Cyd
0090	Erosion Control, Check Dam, Stone	2080012	68.000	Ft
0100	Erosion Control, Maintenance, Sediment Removal	2080026	30.000	Cyd
0110	Erosion Control, Sediment Trap	2080034	4.000	Ea
0120	Erosion Control, Silt Fence	2080036	351.000	Ft
0130	Aggregate Base	3020001	97.000	Ton
0140	Aggregate Base, Conditioning	3020050	1,447.000	Syd
0150	Shoulder, CI II	3070121	31.000	Ton
0160	HMA Surface, Rem	5010005	15,000.000	Syd
0170	HMA Quality Initiative	5010007	768.000	Dlr
0180	Longitudinal Joint Density Quality Initiative	5010018	1,620.000	Dlr
0190	HMA, 4E3	5010051	279.000	Ton
0200	HMA, 5E3	5010057	105.000	Ton
0210	Joint, Expansion, E3	6020208	93.000	Ft
0220	Conc Pavt, Bridge Approach, Reinf	6020600	229.000	Syd
0230	Curb and Gutter, Bridge Approach	8020010	112.000	Ft
0240	Guardrail, Type MGS-8	8070004	464.000	Ft
0250	Guardrail Anch, Bridge, Det T1	8070022	4.000	Ea
0260	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea
0270	Guardrail Reflector	8070080	32.000	Ea

0280	Delineator, Reflective Sheeting, 3 inch by 12 inch, Green	8100144	4.000	Ea
0290	Fdn, Wood Support, Rem	8100280	1.000	Ea
0300	Delineator, Rem	8100349	14.000	Ea
0310	Post, Flexible, Delineator	8100360	4.000	Ea
0320	Post, Steel, 3 lb	8100371	30.000	Ft
0330	Sign, Type III, Rem	8100403	2.000	Ea
0340	Sign, Type IIIA	8100404	9.000	Sft
0350	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	615.000	Ft
0360	Pavt Mrkg, Waterborne, 6 inch, White	8110233	2,920.000	Ft
0370	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	615.000	Ft
0380	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	2,920.000	Ft
0390	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	50.000	Ft
0400	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	384.000	Ft
0410	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0420	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0430	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	1.000	Ea
0440	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	1.000	Ea
0450	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	1.000	Ea
0460	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	1.000	Ea
0470	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	1.000	Ea
0480	Conc Barrier Ending, Temp, Detail 5, Relocated	8120063	1.000	Ea
0490	Conc Barrier, Temp, Furn	8120081	650.000	Ft
0500	Conc Barrier, Temp, Oper	8120082	650.000	Ft
0510	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0520	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0530	Minor Traf Devices	8120170	1.000	LSUM
0540	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	2,000.000	Ft
0550	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	2,000.000	Ft
0560	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,100.000	Ft
0570	Plastic Drum, Fluorescent, Furn	8120252	25.000	Ea
0580	Plastic Drum, Fluorescent, Oper	8120253	25.000	Ea
0590	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	24.000	Ft
0600	PTS System, Temp, Furn	8120270	1.000	Ea
0610	PTS System, Temp, Oper	8120271	1.000	Ea
0620	Sign Cover	8120310	2.000	Ea
0630	Sign, Type A, Temp, Prismatic, Furn	8120340	12.000	Sft
0640	Sign, Type A, Temp, Prismatic, Oper	8120341	12.000	Sft
0650	Sign, Type B, Temp, Prismatic, Furn	8120350	480.000	Sft
0660	Sign, Type B, Temp, Prismatic, Oper	8120351	480.000	Sft
0670	Conc Barrier, Temp, Limited Deflection, Det 3B, Furn	8121220	650.000	Ft
0680	Conc Barrier, Temp, Limited Deflection, Det 3B, Oper	8121221	650.000	Ft

0690	Riprap, Plain	8130010	20.000	Syd
0700	Slope Restoration, Type A	8160100	102.000	Syd
0710	Slope Restoration, Type B	8160101	407.000	Syd
0720	Monument Box Adjust	8210005	1.000	Ea
0730	Protect Corners	8210020	1.000	Ea
0740	Centerline Corrugations, Milled, HMA	8220013	268.000	Ft
0750	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	536.000	Ft
0760	Contractor Staking	8240001	1.000	LSUM
0770	Staking Plan Errors and Extras, One Person	8240020	11.000	Hr
0780	Staking Plan Errors and Extras, Two Person	8240021	5.000	Hr
0790	Staking Plan Errors and Extras, Three Person	8240022	7.000	Hr

Section: 2

0800	Bridge Ltg, Furn and Rem (B06 of 66022)	7060001	1.000	LSUM
0810	Bridge Ltg, Oper and Maintain	7060002	200.000	Cyd
0820	Expansion Joint Device	7060050	100.000	Ft
0830	False Decking	7060060	6,003.000	Sft
0840	Reinforcement, Steel, Epoxy Coated	7060092	48,936.000	Lb
0850	Superstructure Conc	7060110	24.000	Cyd
0860	Superstructure Conc, Form, Finish, and Cure (B06 of 66022)	7060111	1.000	LSUM
0870	Superstructure Conc, Form, Finish, and Cure, Night Casting (B06 of 66022)	7060112	1.000	LSUM
0880	Superstructure Conc, Night Casting	7060113	200.000	Cyd
0890	Bushing	7070030	48.000	Ea
0900	Shear Developers (B06 of 66022)	7070040	1.000	LSUM
0910	Joint Waterproofing	7100001	309.000	Sft
0920	Bridge Railing, Aesthetic Parapet Tube	7110005	280.000	Ft
0930	Hand Chipping, Other Than Deck	7120007	54.000	Cft
0940	Patch, Forming	7120017	162.000	Sft
0950	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	54.000	Ea
0960	Structures, Rehabilitation, Rem Portions (B06 of 66022)	7120070	1.000	LSUM
0970	Top Flanges and Beam Ends, Clean and Coat	7120100	81.000	Syd
0980	Patching Conc, C-L	7120112	2.000	Cyd
0990	Embedded Galvanic Anode	7120120	62.000	Ea
1000	Beam Plate, Seal Perimeter	7130010	1,397.000	Ft
1010	Hanger Assembly, Field Measurement	7130030	12.000	Ea
1020	Hanger Assembly, Rem and Erect	7130031	12.000	Ea
1030	Structural Steel, Furn and Fab, Pin and Hanger	7130070	1,580.000	Lb
1040	Structural Steel, Retrofit, Furn, Fab, and Erect	7130071	174.000	Lb
1050	Support, Suspension, Temp	7130082	12.000	Ea
1060	Steel Structure, Cleaning, Type 4 (B06 of 66022)	7150045	1.000	LSUM
1070	Steel Structure, Coating, Type 4 (B06 of 66022)	7150046	1.000	LSUM
1080	Field Repair of Damaged Coating (B06 of 66022)	7160001	1.000	LSUM



Schedule of Pay Items

Report v1

Letting Call: 191101 017

Letting Date: November 1, 2019

Contract ID: 45041-204229

Description: 0.17 mi of hot mix asphalt cold milling and resurfacing, guardrail and pavement markings, bridge rehabilitation including deck replacement, partial painting, slope repair, concrete substructure patching and approach work on M-204 over Lake Leelanau Narrows, Leelanau County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204229A	N/A	N/A	GF19 45041

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$122,900.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	976.000	Ft
0030	Embankment, CIP	2050010	40.000	Cyd
0040	Excavation, Earth	2050016	144.000	Cyd
0050	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0060	Erosion Control, Silt Fence	2080036	480.000	Ft
0070	Aggregate Base	3020001	144.000	Ton
0080	Shoulder, CI II	3070121	20.000	Ton
0090	Cold Milling HMA Surface	5010002	2,554.000	Syd
0100	HMA Surface, Rem	5010005	255.000	Syd
0110	Hand Patching	5010025	30.000	Ton
0120	HMA, LVSP	5010703	320.000	Ton
0130	Guardrail, Type MGS-8	8070004	638.000	Ft
0140	Guardrail Anch, Bridge, Det T1	8070022	4.000	Ea
0150	Guardrail Approach Terminal, Type 2M	8070044	8.000	Ea
0160	Guardrail Departing Terminal, Type MGS	8070052	4.000	Ea
0170	Guardrail Reflector	8070080	48.000	Ea
0180	_ Timber Rub Rail	8077001	104.000	Ft
0190	Delineator Reflector, Green	8100133	8.000	Ea
0200	Post, Rigid, Delineator	8100361	8.000	Ea
0210	Post, Steel, 3 lb	8100371	140.000	Ft
0220	Sign, Type III, Erect, Salv	8100402	16.000	Ea
0230	Sign, Type III, Rem	8100403	16.000	Ea
0240	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,600.000	Ft
0250	Pavt Mrkg, Waterborne, 6 inch, White	8110233	1,600.000	Ft
0260	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,600.000	Ft
0270	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	1,600.000	Ft

0280	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	340.000	Ft
0290	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	340.000	Ft
0300	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
0310	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea
0320	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	1.000	Ea
0330	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	1.000	Ea
0340	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	1.000	Ea
0350	Conc Barrier Ending, Temp, Detail 5, Adj	8120060	1.000	Ea
0360	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	1.000	Ea
0370	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	1.000	Ea
0380	Conc Barrier, Temp, Adj	8120080	340.000	Ft
0390	Conc Barrier, Temp, Furn	8120081	340.000	Ft
0400	Conc Barrier, Temp, Oper	8120082	340.000	Ft
0410	Conc Barrier, Temp, Limited Deflection, Reflector Replacement	8120086	5.000	Ea
0420	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0430	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0440	Minor Traf Devices	8120170	1.000	LSUM
0450	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	3,500.000	Ft
0460	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	2,820.000	Ft
0470	Plastic Drum, Fluorescent, Furn	8120252	50.000	Ea
0480	Plastic Drum, Fluorescent, Oper	8120253	50.000	Ea
0490	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	48.000	Ft
0500	PTS System, Temp, Furn	8120270	1.000	Ea
0510	PTS System, Temp, Oper	8120271	1.000	Ea
0520	Sign Cover	8120310	2.000	Ea
0530	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0540	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0550	Sign, Type B, Temp, Prismatic, Furn	8120350	739.000	Sft
0560	Sign, Type B, Temp, Prismatic, Oper	8120351	739.000	Sft
0570	Traf Regulator Control	8120370	1.000	LSUM
0580	Conc Barrier, Temp, Limited Deflection, Det 1, Furn	8121000	220.000	Ft
0590	Conc Barrier, Temp, Limited Deflection, Det 1, Oper	8121001	220.000	Ft
0600	Conc Barrier, Temp, Limited Deflection, Det 1, Adj	8121002	220.000	Ft
0610	Conc Barrier, Temp, Limited Deflection, Det 4A, Oper	8121301	440.000	Ft
0620	Conc Barrier, Temp, Limited Deflection, Det 4A, Adj	8121302	220.000	Ft
0630	Riprap, Plain	8130010	40.000	Syd
0640	Fertilizer, Chemical Nutrient, CI A	8160020	39.000	Lb
0650	Mulch Blanket, High Velocity	8160028	1,067.000	Syd
0660	Seeding, Mixture TDS	8160037	48.000	Lb
0670	Topsoil Surface, Furn, 3 inch	8160061	1,067.000	Syd
0680	Power Co. (Est. Cost to Contractor)	8200116	10,000.000	Dir
0690	Contractor Staking	8240001	1.000	LSUM

0700	Staking Plan Errors and Extras, One Person	8240020	7.000	Hr
0710	Staking Plan Errors and Extras, Two Person	8240021	3.000	Hr
0720	Staking Plan Errors and Extras, Three Person	8240022	5.000	Hr

Section: 2

0730	Backfill, Structure, CIP	2060002	15.000	Cyd
0740	Excavation, Fdn	2060010	15.000	Cyd
0750	_ Conc Pavt, Reinf, 12 inch, High Performance, Special	6027011	242.000	Syd
0760	Bridge Ltg, Furn and Rem (B01 of 45041)	7060001	1.000	LSUM
0770	Bridge Ltg, Oper and Maintain	7060002	253.000	Cyd
0780	Expansion Joint Device	7060050	172.000	Ft
0790	Expansion Joint Device, Cover Plate	7060051	44.000	Ft
0800	False Decking	7060060	6,808.000	Sft
0810	Reinforcement, Steel, Epoxy Coated	7060092	56,687.000	Lb
0820	Substructure Conc, High Performance	7060101	2.000	Cyd
0830	Superstructure Conc, Form, Finish, and Cure (B01 of 45041)	7060111	1.000	LSUM
0840	Superstructure Conc, Form, Finish, and Cure, Night Casting (B01 of 45041)	7060112	1.000	LSUM
0850	Superstructure Conc, High Performance	7060116	46.000	Cyd
0860	Superstructure Conc, Night Casting, High Performance	7060117	253.000	Cyd
0870	Shear Developers (B01 of 45041)	7070040	1.000	LSUM
0880	Structural Steel, Mixed, Erect	7070050	2,191.000	Lb
0890	Structural Steel, Mixed, Furn and Fab	7070051	2,191.000	Lb
0900	Joint Waterproofing	7100001	162.000	Sft
0910	Joint Waterproofing, Expansion	7100003	18.000	Sft
0920	Substructure Horizontal Surface Sealer (B01 of 45041)	7100030	30.000	Syd
0930	_ Bridge Railing, 3 Tube, Special	7117001	420.000	Ft
0940	_ Bridge Railing Panel, Rem, Salv, and Erect	7117050	30.000	Ea
0950	_ R-4 Bridge Railing Panel, Install	7117050	4.000	Ea
0960	_ R-4 Bridge Railing Panel, Transport	7117051	1.000	LSUM
0970	Hand Chipping, Other Than Deck	7120007	36.000	Cft
0980	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	84.000	Ea
0990	Structures, Rehabilitation, Rem Portions (B01 of 45041)	7120070	1.000	LSUM
1000	Reinforcement, Mechanical Splice	7120084	641.000	Ea
1010	Flushing Cracks, Water (B01 of 45041)	7120098	20.000	Ft
1020	Top Flanges and Beam Ends, Clean and Coat (B01 of 45041)	7120100	170.000	Syd
1030	Embedded Galvanic Anode	7120120	188.000	Ea
1040	_ Patching Conc, Historic	7127021	2.000	Cyd
1050	_ Conc Testing, Historic (B01 of 45041)	7127051	1.000	LSUM
1060	Beam Plate, Seal Perimeter	7130010	650.000	Ft
1070	Steel Structure, Cleaning, Partial, Type 4 (B01 of 45041)	7150047	1.000	LSUM
1080	Steel Structure, Coating, Partial, Type 4 (B01 of 45041)	7150048	1.000	LSUM

	45041)			
1090	Monument Preservation, Vertical	8210015	1.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 018

Letting Date: November 1, 2019

Contract ID: 63000-202784

Description: Signal modernization including mast arms, pedestrian countdown signals and video detection on various routes at 20 locations, Oakland County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202784A	1901151	N/A	CMG 63000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$162,200.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	856.000	Ft
0030	Sidewalk, Rem	2040055	1,085.000	Syd
0040	Coating Galvanized Support Structures	7160010	61.000	Ea
0050	Curb and Gutter, Conc, Det F4	8020038	276.000	Ft
0060	Curb Ramp Opening, Conc	8030030	544.000	Ft
0070	Sidewalk, Conc, 8 inch	8030048	6,378.000	Sft
0080	_ Detectable Warning Surface, Modified	8037001	490.000	Ft
0090	_ Sidewalk Ramp, Conc, 8 inch	8037010	3,255.000	Sft
0100	Mast Arm Pole, Cat III	8100512	30.000	Ea
0110	Mast Arm, 25 foot, Cat III	8100541	1.000	Ea
0120	Mast Arm, 30 foot, Cat III	8100542	4.000	Ea
0130	Mast Arm, 35 foot, Cat III	8100543	7.000	Ea
0140	Mast Arm, 40 foot, Cat III	8100544	6.000	Ea
0150	Mast Arm, 45 foot, Cat III	8100545	10.000	Ea
0160	Mast Arm, 50 foot, Cat III	8100546	1.000	Ea
0170	Mast Arm Pole Fdn, 6 Bolt	8100550	620.000	Ft
0180	_ Mast Arm, 55 foot, Cat III	8107050	2.000	Ea
0190	Barricade, Type III, High Intensity, Lighted, Furn	8120022	2.000	Ea
0200	Barricade, Type III, High Intensity, Lighted, Oper	8120023	2.000	Ea
0210	Pedestrian Type II Barricade, Temp	8120026	10.000	Ea
0220	Lighted Arrow, Type A, Furn	8120120	8.000	Ea
0230	Lighted Arrow, Type A, Oper	8120121	8.000	Ea
0240	Plastic Drum, High Intensity, Lighted, Furn	8120260	120.000	Ea
0250	Plastic Drum, High Intensity, Lighted, Oper	8120261	120.000	Ea
0260	Sign, Type B, Temp, Prismatic, Furn	8120350	500.000	Sft
0270	Sign, Type B, Temp, Prismatic, Oper	8120351	500.000	Sft
0280	Conduit, DB, 1, 1 1/2 inch	8190027	1,710.000	Ft

0290	Conduit, DB, 1, 3 inch	8190029	905.000	Ft
0300	Conduit, DB, 3, 3 inch	8190035	650.000	Ft
0310	Conduit, DB, 4, 3 inch	8190038	185.000	Ft
0320	Hh, Round, 3 foot dia	8190259	9.000	Ea
0330	Hh, Round	8190260	30.000	Ea
0340	Luminaire, Rem	8190360	6.000	Ea
0350	Conduit, Directional Bore, 1, 1 1/2 inch	8190601	2,030.000	Ft
0360	Conduit, Directional Bore, 3, 3 inch	8190606	2,030.000	Ft
0370	Case Sign, Rem	8200020	9.000	Ea
0380	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	7.000	Ea
0390	Controller and Cabinet, Rem	8200030	8.000	Ea
0400	Controller Fdn, Base Mount	8200045	9.000	Ea
0410	Controller, Rem	8200049	12.000	Ea
0420	Global Positioning System Module	8200050	20.000	Ea
0430	Fdn, Rem	8200065	22.000	Ea
0440	Pedestal, Alum	8200100	27.000	Ea
0450	Pedestal, Fdn	8200105	27.000	Ea
0460	Pedestal Fdn, Rem	8200106	7.000	Ea
0470	Pedestal, Rem	8200110	7.000	Ea
0480	Pushbutton and Sign	8200121	54.000	Ea
0490	Pushbutton, Rem	8200122	2.000	Ea
0500	Pushbutton Pedestal, Alum	8200123	23.000	Ea
0510	Span Wire, Rem	8200141	17.000	Ea
0520	Steel Pole, Rem	8200145	22.000	Ea
0530	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	22.000	Ea
0540	TS, Pedestrian, Pedestal Mtd, Rem	8200181	11.000	Ea
0550	TS, Span Wire Mtd, Rem	8200182	43.000	Ea
0560	TS, One Way Mast Arm Mtd, FYA (LED)	8200304	24.000	Ea
0570	TS, One Way Span Wire Mtd, FYA (LED)	8200314	1.000	Ea
0580	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	9.000	Ea
0590	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	4.000	Ea
0600	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	11.000	Ea
0610	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	17.000	Ea
0620	TS, One Way Mast Arm Mtd (LED)	8200359	59.000	Ea
0630	Bracket, Truss, With 6 Foot Arm	8200374	2.000	Ea
0640	Bracket, Truss, With 18 Foot Arm	8200378	15.000	Ea
0650	Wireless Vehicle Detection System	8200422	2.000	Ea
0660	Wireless Vehicle Sensor Node	8200425	16.000	Ea
0670	Backplate, TS	8200501	86.000	Ea
0680	_ Cabinet, Royal Oak	8207050	9.000	Ea
0690	_ Controller, Royal Oak	8207050	20.000	Ea
0700	_ TS, One Way Mast Arm Mtd, Five Sect (LED)	8207050	3.000	Ea

0710	_ Video Detection Camera, Royal Oak	8207050	49.000	Ea
0720	_ Video Detection System, Royal Oak	8207050	14.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 019

Letting Date: November 1, 2019

Contract ID: 82000-203471

Description: Signal modernization including mast arms on Kercheval Avenue at Moross Road in the city of Gross Pointe Farms, Wayne County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203471A	1901087	N/A	HSIP 82000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$17,700.00	1500001	1.000	LSUM
0020	Sidewalk, Rem	2040055	37.000	Syd
0030	Exploratory Investigation, Vertical	2040080	100.000	Ft
0040	Granular Material, CI II	2050023	5.000	Cyd
0050	Erosion Control, Inlet Protection, Fabric Drop	2080020	1.000	Ea
0060	Maintenance Gravel	3060020	30.000	Ton
0070	Hand Patching	5010025	5.000	Ton
0080	Sidewalk Ramp, Conc, 6 inch	8030036	115.000	Sft
0090	Sidewalk, Conc, 4 inch	8030044	210.000	Sft
0100	_ Detectable Warning Surface, Cast Iron	8037001	16.000	Ft
0110	Fence, Protective	8080007	75.000	Ft
0120	Sign, Type IIIA	8100404	56.000	Sft
0130	Mast Arm Pole Fdn, 6 Bolt	8100550	56.000	Ft
0140	_ Mast Arm Pole, Cat I, Fluted	8107050	4.000	Ea
0150	_ Mast Arm, 25 foot, Cat I, Curved	8107050	3.000	Ea
0160	_ Mast Arm, 40 foot, Cat I, Curved	8107050	1.000	Ea
0170	_ Sign, Mast Arm Mounted	8107050	4.000	Ea
0180	Pedestrian Type II Barricade, Temp	8120026	5.000	Ea
0190	Channelizing Device, 42 inch, Furn	8120030	25.000	Ea
0200	Channelizing Device, 42 inch, Oper	8120031	25.000	Ea
0210	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0220	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0230	Minor Traf Devices	8120170	1.000	LSUM
0240	Sign, Type B, Temp, Prismatic, Furn	8120350	150.000	Sft
0250	Sign, Type B, Temp, Prismatic, Oper	8120351	150.000	Sft
0260	Slope Restoration, Type A	8160100	325.000	Syd
0270	Cable Pole, TS and Sec, Disman	8190009	2.000	Ea
0280	Cable Pole, TS, Disman	8190010	2.000	Ea

0290	Cable, Sec, Rem	8190017	75.000	Ft
0300	Conduit, DB, 1, 1 1/2 inch	8190027	60.000	Ft
0310	Conduit, DB, 1, 3 inch	8190029	140.000	Ft
0320	Conduit, DB, 3, 3 inch	8190035	25.000	Ft
0330	Conduit, Directional Bore, 3 inch	8190044	175.000	Ft
0340	Hh, Round, 3 foot dia	8190259	1.000	Ea
0350	Hh, Round	8190260	4.000	Ea
0360	Cable, Sec, 600V, 1, 3/C#6	8190399	75.000	Ft
0370	Wood Pole, Fit Up, Sec Cable Pole	8190495	1.000	Ea
0380	Wood Pole, Rem	8190505	3.000	Ea
0390	Controller and Cabinet, Rem	8200030	1.000	Ea
0400	Controller and Cabinet, Digital Type	8200031	1.000	Ea
0410	Global Positioning System Module	8200050	1.000	Ea
0420	Pedestal, Alum	8200100	3.000	Ea
0430	Pedestal, Fdn	8200105	3.000	Ea
0440	Serv Disconnect	8200135	1.000	Ea
0450	Span Wire, Rem	8200141	3.000	Ea
0460	Guy, Rem	8200167	1.000	Ea
0470	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	4.000	Ea
0480	TS, Span Wire Mtd, Rem	8200182	2.000	Ea
0490	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	1.000	Ea
0500	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	3.000	Ea
0510	TS, One Way Mast Arm Mtd (LED)	8200359	8.000	Ea
0520	TS Face, Bag	8200458	8.000	Ea
0530	TS Face, Bag, Rem	8200459	8.000	Ea
0540	Casing	8200480	26.000	Ft
0550	Backplate, TS	8200501	8.000	Ea
0560	_ Cabinet Painting	8207050	1.000	Ea
0570	_ Pedestal Painting	8207050	3.000	Ea
0580	_ Pole Coating	8207050	8.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 020

Letting Date: November 1, 2019

Contract ID: 39000-203207

Description: 0.15 mi of hot mix asphalt widening and resurfacing, aggregate base, drainage and pavement markings on Angell Drive north of Lyon Street in the village of Schoolcraft, Kalamazoo County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203207A	N/A	N/A	EDA 39000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$15,600.00	1500001	1.000	LSUM
0020	Excavation, Earth	2050016	1,265.000	Cyd
0030	Subbase, CIP	3010002	300.000	Cyd
0040	Aggregate Base, 8 inch	3020020	715.000	Syd
0050	Approach, CI II, 6 inch	3070028	625.000	Syd
0060	Dr Structure Cover, Adj, Case 1	4030005	4.000	Ea
0070	Dr Structure Cover, Adj, Case 2	4030006	1.000	Ea
0080	Dr Structure Cover, Type K	4030050	5.000	Ea
0090	_ Dr Structure, 24 inch dia, Modified	4037050	1.000	Ea
0100	HMA Approach	5010061	175.000	Ton
0110	HMA, LVSP	5010703	225.000	Ton
0120	Seal, Single Chip	5050001	2,955.000	Syd
0130	_ Conc Valley Gutter	8027001	1,380.000	Ft
0140	Post, Steel, 3 lb	8100371	33.000	Ft
0150	Sign, Type III, Rem	8100403	3.000	Ea
0160	Sign, Type IIIA	8100404	6.000	Sft
0170	Sign, Type IIIB	8100405	6.000	Sft
0180	Pavt Mrkg, Thermopl, 4 inch, Yellow	8110196	168.000	Ft
0190	Pavt Mrkg, Thermopl, 6 inch, White	8110198	968.000	Ft
0200	Pavt Mrkg, Thermopl, 18 inch, Stop Bar	8110217	12.000	Ft
0210	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
0220	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea
0230	Channelizing Device, 42 inch, Furn	8120030	30.000	Ea
0240	Channelizing Device, 42 inch, Oper	8120031	30.000	Ea
0250	Minor Traf Devices	8120170	1.000	LSUM
0260	Sign, Type B, Temp, Prismatic, Furn	8120350	38.000	Sft

0270	Sign, Type B, Temp, Prismatic, Oper	8120351	38.000	Sft
0280	Traf Regulator Control	8120370	1.000	LSUM
0290	Topsoil Surface, Furn, LM	8160071	275.000	Cyd
0300	_ Turf Establishment	8167011	2,500.000	Syd
0310	Gate Box, Adj, Case 1	8230431	1.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 021

Letting Date: November 1, 2019

Contract ID: 54014-204599

Description: Bridge rehabilitation of 8 structures including concrete deck and barrier patching, epoxy overlay, replacement of expansion joint and end header, healer/sealer, guardrail and approach work on US-131 from Indian Lakes Road north to 9 Mile Road (Penasha Road), Kent, Mecosta, and Osceola Counties. This project includes a 5 year epoxy overlay performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204599A	N/A	N/A	M 54014
204612A	N/A	N/A	M 41133

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$68,000.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	42.000	Ft
0030	Excavation, Earth	2050016	152.000	Cyd
0040	_ Embankment, CIP, Special	2057021	14.000	Cyd
0050	Aggregate Base, 6 inch	3020016	520.000	Syd
0060	HMA Surface, Rem	5010005	432.000	Syd
0070	Hand Patching	5010025	28.000	Ton
0080	Joint, Expansion, E3	6020208	273.000	Ft
0090	Conc Quality Initiative	6020401	1,900.000	Dlr
0100	Lane Tie, Epoxy Anchored	6030030	48.000	Ea
0110	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	392.000	Syd
0120	Curb and Gutter, Bridge Approach	8020010	42.000	Ft
0130	Guardrail, Reconst, Type T	8070109	150.000	Ft
0140	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,320.000	Ft
0150	Pavt Mrkg, Waterborne, 6 inch, White	8110233	1,900.000	Ft
0160	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	800.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,320.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	1,900.000	Ft
0190	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	800.000	Ft
0200	Barricade, Type III, High Intensity, Lighted, Furn	8120022	8.000	Ea
0210	Barricade, Type III, High Intensity, Lighted, Oper	8120023	8.000	Ea
0220	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0230	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Mobile Attenuator	8120180	4.000	Ea
0260	Pavt Mrkg Cover, Type R, Black	8120200	2,800.000	Ft

0270	Plastic Drum, Fluorescent, Furn	8120252	200.000	Ea
0280	Plastic Drum, Fluorescent, Oper	8120253	200.000	Ea
0290	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	48.000	Ft
0300	PTS System, Temp, Furn	8120270	2.000	Ea
0310	PTS System, Temp, Oper	8120271	2.000	Ea
0320	Sign Cover	8120310	5.000	Ea
0330	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
0340	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
0350	Sign, Type A, Temp, Prismatic, Furn	8120340	24.000	Sft
0360	Sign, Type A, Temp, Prismatic, Oper	8120341	24.000	Sft
0370	Sign, Type B, Temp, Prismatic, Furn	8120350	2,080.000	Sft
0380	Sign, Type B, Temp, Prismatic, Oper	8120351	2,080.000	Sft
0390	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	386.000	Sft
0400	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	386.000	Sft
0410	Traf Regulator Control	8120370	1.000	LSUM
0420	Slope Restoration, Type B	8160101	20.000	Syd
0430	Contractor Staking	8240001	1.000	LSUM
0440	Staking Plan Errors and Extras, One Person	8240020	5.000	Hr
0450	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0460	Staking Plan Errors and Extras, Three Person	8240022	3.000	Hr

Section: 2

0470	Conc, Grade D	7060010	72.000	Cyd
0480	Expansion Joint Device	7060050	552.000	Ft
0490	False Decking	7060060	2,446.000	Sft
0500	Reinforcement, Steel, Epoxy Coated	7060092	10,393.000	Lb
0510	Joint Waterproofing	7100001	768.000	Sft
0520	Penetrating Healer/Sealer, Bridge Deck	7100025	1,784.000	Syd
0530	Substructure Horizontal Surface Sealer (S01 of 41133)	7100030	13.000	Syd
0540	Substructure Horizontal Surface Sealer (S01 of 54013)	7100030	10.000	Syd
0550	Substructure Horizontal Surface Sealer (S02 of 41133)	7100030	13.000	Syd
0560	Substructure Horizontal Surface Sealer (S02 of 54013)	7100030	10.000	Syd
0570	Substructure Horizontal Surface Sealer (S02 of 67017)	7100030	11.000	Syd
0580	Substructure Horizontal Surface Sealer (S07 of 67017)	7100030	11.000	Syd
0590	Substructure Horizontal Surface Sealer (S18 of 54014)	7100030	15.000	Syd
0600	Substructure Horizontal Surface Sealer (S19 of 54014)	7100030	15.000	Syd
0610	Hand Chipping, Shallow	7120003	37.000	Syd
0620	Hand Chipping, Deep	7120004	35.000	Syd

0630	Hand Chipping, Other Than Deck	7120007	165.000	Cft
0640	Patch, Forming	7120017	223.000	Sft
0650	Epoxy Ovly, Rem	7120021	467.000	Syd
0660	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	192.000	Ea
0670	Deck Joint, Rem	7120071	548.000	Ft
0680	End Header Replacement	7120073	278.000	Ft
0690	Reinforcement, Mechanical Splice	7120084	52.000	Ea
0700	Patching Conc, C-L	7120112	15.000	Cyd
0710	Embedded Galvanic Anode	7120120	900.000	Ea
0720	_ Epoxy Ovly, Warranty	7127011	571.000	Syd
0730	_ Bridge Joints, Clean and Seal (S01 of 41133), Modified	7127051	1.000	LSUM
0740	_ Bridge Joints, Clean and Seal (S02 of 41133), Modified	7127051	1.000	LSUM
0750	_ Bridge Joints, Clean and Seal (S02 of 67017), Modified	7127051	1.000	LSUM
0760	_ Bridge Joints, Clean and Seal (S07 of 67017), Modified	7127051	1.000	LSUM



Schedule of Pay Items

Report v1

Letting Call: 191101 022

Letting Date: November 1, 2019

Contract ID: 21021-208638

Description: 11.87 mi of hot mix asphalt micro cold milling, overband crack fill, paver placed surface seal, aggregate shoulders and pavement markings on US-2 and US-41 Menominee County Line easterly to the city of Escanaba. This project includes a 3 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
208638A	1901185	N/A	NH 21021

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$205,100.00	1500001	1.000	LSUM
0020	_ Berm Grading	2057002	26.000	Sta
0030	Shoulder, CI II	3070121	1,398.000	Ton
0040	_ Micro Cold Milling, HMA, 0 to 2 inches	5017011	15,569.000	Syd
0050	Overband Crack Fill, Lane	5020003	31.620	Lnmi
0060	_ Asphalt Repair Mastic	5027001	1,080.000	Ft
0070	Paver Placed Surface Seal, Type C, Warranty	5030041	337,667.000	Syd
0080	Pavt Mrkg, Polyurea, Merge Arrow Symbol	8110107	6.000	Ea
0090	Pavt Mrkg, Polyurea, 12 inch Cross Hatching, Yellow	8110109	500.000	Ft
0100	Pavt Mrkg, Waterborne, 4 inch, White	8110231	9,676.000	Ft
0110	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	57,591.000	Ft
0120	Pavt Mrkg, Waterborne, 6 inch, White	8110233	119,838.000	Ft
0130	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	57,591.000	Ft
0140	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	119,838.000	Ft
0150	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0160	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	7.000	Ea
0170	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	5.000	Ea
0180	Pavt Mrkg, Wet Retrflec Waterborne, 4 inch, White	8110480	9,676.000	Ft
0190	Lighted Arrow, Type C, Furn	8120140	5.000	Ea
0200	Lighted Arrow, Type C, Oper	8120141	5.000	Ea
0210	Minor Traf Devices	8120170	1.000	LSUM
0220	Plastic Drum, Fluorescent, Furn	8120252	75.000	Ea
0230	Plastic Drum, Fluorescent, Oper	8120253	75.000	Ea
0240	Sign Cover	8120310	10.000	Ea
0250	Sign, Type B, Temp, Prismatic, Furn	8120350	1,000.000	Sft
0260	Sign, Type B, Temp, Prismatic, Oper	8120351	1,000.000	Sft
0270	Traf Regulator Control	8120370	1.000	LSUM

0280	Monument Box Adjust	8210005	3.000	Ea
0290	Centerline Corrugations, Milled, HMA	8220013	55,329.000	Ft
0300	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	110,658.000	Ft



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Schedule of Pay Items

Report v1

Letting Call: 191101 023

Letting Date: November 1, 2019

Contract ID: 39000-201991

Description: Dilemma Zone Detection System at nine signalized intersections on various routes in the city of Battle Creek, Van Buren, Berrien, St. Joseph, Calhoun and Kalamazoo Counties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201991A	1901238	N/A	HSIP 39000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$38,100.00	1500001	1.000	LSUM
0020	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	144.000	Ea
0030	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	144.000	Ea
0040	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0050	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0060	Minor Traf Devices	8120170	1.000	LSUM
0070	Sign, Type B, Temp, Prismatic, Furn	8120350	512.000	Sft
0080	Sign, Type B, Temp, Prismatic, Oper	8120351	512.000	Sft
0090	Anchor Guy	8200001	5.000	Ea
0100	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	9.000	Ea
0110	Bracket, Truss, With 12 Foot Arm	8200376	3.000	Ea
0120	Bracket, Truss, With 18 Foot Arm	8200378	23.000	Ea
0130	Cellular Modem, TS, 4G	8200498	9.000	Ea
0140	_ Multi-Sensor Vehicle Detection Sensor, Camera Sensor	8207050	2.000	Ea
0150	_ Multi-Sensor Vehicle Detection Sensor, Radar-Camera Sensor	8207050	24.000	Ea
0160	_ Multi-Sensor Vehicle Detection System, Modified	8207050	9.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 024

Letting Date: November 1, 2019

Contract ID: 71072-132038

Description: Bridge reconstruction including deck replacement, railing replacement, scour countermeasures, concrete approach reconstruction, drainage and pavement markings on US-23 over the Swan River, Presque Isle County. This project includes a 2 year concrete surface coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132038A	1901119	N/A	NH 71072

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$39,000.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	58.000	Ft
0030	Guardrail, Rem	2040035	699.000	Ft
0040	Pavt, Rem	2040050	109.000	Syd
0050	Embankment, LM	2050011	30.000	Cyd
0060	Excavation, Earth	2050016	235.000	Cyd
0070	Non Haz Contaminated Material Handling and Disposal, LM	2050031	25.000	Cyd
0080	Subgrade Undercutting, Type II	2050041	515.000	Cyd
0090	Erosion Control, Silt Fence	2080036	160.000	Ft
0100	Aggregate Base	3020001	440.000	Ton
0110	Approach, CI II	3070021	15.000	Ton
0120	Shoulder, CI II	3070121	70.000	Ton
0130	Culv, Downspout, 12 inch	4010795	13.000	Ft
0140	Cold Milling HMA Surface	5010002	1,341.000	Syd
0150	HMA Surface, Rem	5010005	825.000	Syd
0160	HMA Quality Initiative	5010007	754.000	Dlr
0170	Longitudinal Joint Density Quality Initiative	5010018	2,300.000	Dlr
0180	HMA Approach	5010061	377.000	Ton
0190	_ HMA, Temp Pavt (4E1)	5017031	28.000	Ton
0200	Conc Pavt, Curing Horizontal Surfaces	6020159	187.000	Syd
0210	Joint, Expansion, E3	6020208	92.000	Ft
0220	Conc Quality Initiative	6020401	187.000	Dlr
0230	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	187.000	Syd
0240	Curb and Gutter, Bridge Approach	8020010	104.000	Ft
0250	Downspout Header, Conc	8020070	2.000	Ea
0260	Guardrail, Type B	8070000	101.000	Ft
0270	Guardrail, Type MGS-8	8070004	304.000	Ft

0280	Guardrail, Curved, Type B	8070010	75.000	Ft
0290	Guardrail Anch, Bridge, Det T1	8070022	2.000	Ea
0300	Guardrail Anch, Bridge, Det T2	8070023	2.000	Ea
0310	Guardrail Approach Terminal, Type 2M	8070044	1.000	Ea
0320	Guardrail Departing Terminal, Type B	8070050	3.000	Ea
0330	Guardrail Reflector	8070080	30.000	Ea
0340	Post, Mailbox	8070095	1.000	Ea
0350	Delineator Reflector, Green	8100133	4.000	Ea
0360	Post, Rigid, Delineator	8100361	4.000	Ea
0370	Post, Steel, 3 lb	8100371	28.000	Ft
0380	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0390	Sign, Type III, Rem	8100403	2.000	Ea
0400	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	150.000	Ft
0410	Pavt Mrkg, Waterborne, 6 inch, White	8110233	1,050.000	Ft
0420	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	150.000	Ft
0430	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	1,050.000	Ft
0440	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	35.000	Ft
0450	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	140.000	Ft
0460	Protective Ovly, Snowmobile Trail Crossing	8110550	70.000	Syd
0470	_ Enhanced Delineation, Bidirectional, Guardrail, Post Mount	8117001	392.000	Ft
0480	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
0490	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea
0500	Conc Barrier Ending, Temp, Detail 5, Adj	8120060	2.000	Ea
0510	Conc Barrier Ending, Temp, Detail 5, Furn	8120061	2.000	Ea
0520	Conc Barrier Ending, Temp, Detail 5, Oper	8120062	2.000	Ea
0530	Conc Barrier, Temp, Adj	8120080	460.000	Ft
0540	Conc Barrier, Temp, Furn	8120081	460.000	Ft
0550	Conc Barrier, Temp, Oper	8120082	460.000	Ft
0560	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0570	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0580	Minor Traf Devices	8120170	1.000	LSUM
0590	Pavt Mrkg Cover, Type R, Black	8120200	1,200.000	Ft
0600	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	800.000	Ft
0610	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	800.000	Ft
0620	Plastic Drum, Fluorescent, Furn	8120252	40.000	Ea
0630	Plastic Drum, Fluorescent, Oper	8120253	40.000	Ea
0640	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	24.000	Ft
0650	PTS System, Temp, Furn	8120270	1.000	Ea
0660	PTS System, Temp, Oper	8120271	1.000	Ea
0670	Sign Cover	8120310	8.000	Ea
0680	Sign, Type A, Temp, Prismatic, Furn	8120340	12.000	Sft

0690	Sign, Type A, Temp, Prismatic, Oper	8120341	12.000	Sft
0700	Sign, Type B, Temp, Prismatic, Furn	8120350	612.000	Sft
0710	Sign, Type B, Temp, Prismatic, Oper	8120351	612.000	Sft
0720	Traf Regulator Control	8120370	1.000	LSUM
0730	Fertilizer, Chemical Nutrient, CI A	8160020	12.000	Lb
0740	Seeding, Mixture TDS	8160037	11.000	Lb
0750	Topsoil Surface, Furn, 4 inch	8160062	246.000	Syd
0760	_ Mulch Blanket, Modified	8167011	246.000	Syd

Section: 2

0770	Backfill, Structure, CIP	2060002	10.000	Cyd
0780	Excavation, Fdn	2060010	28.000	Cyd
0790	Erosion Control, Turbidity Curtain, Shallow	2080044	180.000	Ft
0800	Bridge Ltg, Furn and Rem (B01 of 71072)	7060001	1.000	LSUM
0810	Bridge Ltg, Oper and Maintain	7060002	67.000	Cyd
0820	False Decking	7060060	1,995.000	Sft
0830	Reinforcement, Steel, Epoxy Coated	7060092	14,591.000	Lb
0840	Superstructure Conc, Form, Finish, and Cure, Night Casting (B01 of 71072)	7060112	1.000	LSUM
0850	Superstructure Conc, Night Casting, High Performance	7060117	67.000	Cyd
0860	Joint Waterproofing	7100001	142.000	Sft
0870	Conc Surface Coating, Warranty (B01 of 71072)	7100009	1.000	LSUM
0880	Bridge Railing, Aesthetic Parapet Tube, High Performance	7110004	90.000	Ft
0890	Structures, Rehabilitation, Rem Portions (B01 of 71072)	7120070	1.000	LSUM
0900	_ Riprap, Under Structures, Plain	8137031	191.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 191101 025

Letting Date: November 1, 2019

Contract ID: 02021-203807

Description: 16.56 mi of double chip seal, crack seal, aggregate shoulders and pavement markings on M-94 from Munising Street to M-28, in the Village of Chatham, Alger County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203807A	1901165	N/A	ST 02021

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$141,200.00	1500001	1.000	LSUM
0020	_ Berm Grading	2057002	25.000	Sta
0030	Shoulder, CI III	3070141	4,454.000	Ton
0040	Pavt, Cleaning	5010001	1.000	LSUM
0050	Overband Crack Fill, Lane	5020003	34.000	Lnmi
0060	Chip Seal, Double, Warranty	5050020	291,763.000	Syd
0070	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	60.000	Ft
0080	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,032.000	Ft
0090	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	62,110.000	Ft
0100	Pavt Mrkg, Waterborne, 6 inch, White	8110233	173,584.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,032.000	Ft
0120	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	62,110.000	Ft
0130	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	173,584.000	Ft
0140	Witness, Log, \$1,000.00	8110350	1,000.000	Dir
0150	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	1.000	Ea
0160	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	1.000	Ea
0170	Protective Ovly, Snowmobile Trail Crossing	8110550	135.000	Syd
0180	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	136.000	Ea
0190	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	136.000	Ea
0200	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0210	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0220	Minor Traf Devices	8120170	1.000	LSUM
0230	Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional	8120281	2,294.000	Ea
0240	Sign Cover	8120310	6.000	Ea
0250	Sign, Type B, Temp, Prismatic, Furn	8120350	973.000	Sft
0260	Sign, Type B, Temp, Prismatic, Oper	8120351	973.000	Sft
0270	Traf Regulator Control	8120370	1.000	LSUM

0280	Slope Restoration, Type A	8160100	280.000	Syd
0290	Monument Box Adjust	8210005	16.000	Ea
0300	Protect Corners	8210020	16.000	Ea
0310	Centerline Corrugations, Milled, HMA	8220013	83,823.000	Ft
0320	Contractor Staking, Road Only	8240007	1.000	LSUM
0330	Staking Plan Errors and Extras, One Person	8240020	12.000	Hr
0340	Staking Plan Errors and Extras, Two Person	8240021	5.000	Hr
0350	Staking Plan Errors and Extras, Three Person	8240022	7.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 026

Letting Date: November 1, 2019

Contract ID: 50111-131029

Description: 17.80 mi of freeway signing upgrades, concrete sidewalks, cantilever, truss, guardrail and pavement markings along I-94 from Masonic Boulevard to the St. Clair County Line in the cities of St Clair Shores, Roseville and Mount Clemens, Macomb County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
131029A	1901229	N/A	IMG 50111
202662A	1901230	N/A	IMG 50112

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 \$279,000.00	1500001	1.000	LSUM
0030	Conc Barrier, Rem	2040010	246.000	Ft
0040	Pavt, Rem	2040050	524.000	Syd
0050	Exploratory Investigation, Vertical	2040080	200.000	Ft
0060	Embankment, CIP	2050010	40.000	Cyd
0070	Excavation, Earth	2050016	40.000	Cyd
0080	Erosion Control, Silt Fence	2080036	500.000	Ft
0090	Aggregate Base	3020001	71.000	Ton
0100	Shoulder, CI II	3070121	20.000	Ton
0110	Trenching	3070200	5.000	Sta
0120	Joint, Contraction, C3p	6020201	308.000	Ft
0130	Joint, Expansion, E4	6020209	60.000	Ft
0140	Shoulder, Nonreinf Conc	6020222	474.000	Syd
0150	Conc Quality Initiative	6020401	2,090.000	Dlr
0160	Sidewalk, Conc, 4 inch	8030044	546.000	Sft
0170	Conc Barrier Backfill, CIP	8040030	90.000	Cyd
0180	_ Conc Barrier, Double Face, Type A, Modified	8047001	1.000	Ft
0190	_ Conc Barrier, Split, Type A, Modified	8047001	491.000	Ft
0200	_ Glare Screen, Conc, Split, Modified	8047001	232.000	Ft
0210	Guardrail, Type MGS-8	8070004	475.000	Ft
0220	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0230	Guardrail Departing Terminal, Type MGS	8070052	2.000	Ea
0240	Guardrail Reflector	8070080	13.000	Ea
0250	Bridge Sign Connection, Bolt Replacement	8100020	18.000	Ea
0260	Bridge Sign Connection, Conc, Type A1	8100031	17.000	Ea

0270	Bridge Sign Connection, Conc, Type A2	8100032	4.000	Ea
0280	Bridge Sign Connection, Conc, Type F	8100036	1.000	Ea
0290	Bridge Sign Connection, Steel, Type F	8100065	1.000	Ea
0300	Bridge Sign Connection, Steel, Type G	8100066	1.000	Ea
0310	Bridge Sign Connection, Steel, Type I	8100068	1.000	Ea
0320	Bridge Sign Connection, Type A, Rem	8100080	21.000	Ea
0330	Bridge Sign Connection, Type E, Rem	8100084	4.000	Ea
0340	Cantilever, Rem	8100090	3.000	Ea
0350	Cantilever, Type E	8100104	3.000	Ea
0360	Column, Breakaway, W8 x 13	8100120	48.000	Ea
0370	Column, Breakaway, W8 x 18	8100121	8.000	Ea
0380	Delineator Reflector, Red	8100131	505.000	Ea
0390	Delineator Reflector, Yellow	8100132	22.000	Ea
0400	Delineator Reflector, Green	8100133	168.000	Ea
0410	Delineator Reflector, White	8100134	1,562.000	Ea
0420	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	174.000	Ea
0430	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	24.000	Ea
0440	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	402.000	Ea
0450	Fdn, Breakaway, W8 x 13	8100160	48.000	Ea
0460	Fdn, Breakaway, W8 x 18	8100161	8.000	Ea
0470	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	73.000	Ft
0480	Fdn, Cantilever, Rem	8100190	3.000	Ea
0490	Fdn, Column Breakaway, Rem	8100220	50.000	Ea
0500	Fdn, Truss Sign Structure Type E, 54 inch Dia, Cased	8100252	96.000	Ft
0510	Fdn, Truss Sign Structure Type E, 72 inch Dia, Cased	8100256	118.000	Ft
0520	Fdn, Truss, Rem	8100260	4.000	Ea
0530	Fdn, Wood Support, Rem	8100280	342.000	Ea
0540	Glare Screen Connection, Conc, Perforated Steel Square Tube	8100291	36.000	Ea
0550	Installing MDOT Supplied Sign, Type I	8100300	1.000	Ea
0560	Installing MDOT Supplied Sign, Type II	8100301	10.000	Ea
0570	Installing MDOT Supplied Sign, Type III	8100302	20.000	Ea
0580	Median Barrier Connection, Conc, Perforated Steel Square Tube	8100311	40.000	Ea
0590	Perforated Steel Square Tube Breakaway System	8100330	92.000	Ea
0600	Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem	8100331	112.000	Ea
0610	Delineator, Rem	8100349	2,178.000	Ea
0620	Post, Flexible, Delineator	8100360	426.000	Ea
0630	Post, Rigid, Delineator	8100361	1,752.000	Ea
0640	Post, Steel, 3 lb	8100371	11,536.000	Ft
0650	Post, Wood, 4 inch by 6 inch	8100380	3,200.000	Ft
0660	Post, Wood, 6 inch by 8 inch	8100382	2,948.000	Ft
0670	Sign, Type I, Rem	8100391	97.000	Ea

0680	Sign, Type IA	8100392	9,586.000	Sft
0690	Sign, Type IB	8100393	1,081.000	Sft
0700	Sign, Type II, Erect, Salv	8100396	1.000	Ea
0710	Sign, Type II, Rem	8100397	273.000	Ea
0720	Sign, Type IIA	8100398	2,478.000	Sft
0730	Sign, Type IIB	8100399	1,083.000	Sft
0740	Sign, Type III, Erect, Salv	8100402	9.000	Ea
0750	Sign, Type III, Rem	8100403	880.000	Ea
0760	Sign, Type IIIA	8100404	2,071.000	Sft
0770	Sign, Type IIIB	8100405	2,513.000	Sft
0780	Transporting Salv MDOT Materials	8100420	1.000	LSUM
0790	Sign, Type V, Rem	8100421	3.000	Ea
0800	Sign, Type VA	8100424	305.000	Sft
0810	Sign, Type VB	8100425	1,371.000	Sft
0820	Truss, Rem	8100440	2.000	Ea
0830	Truss, Type E, 90 foot	8100492	2.000	Ea
0840	Reflective Panel for Permanent Sign Support, 3 foot	8100613	88.000	Ea
0850	Reflective Panel for Permanent Sign Support, 6 foot	8100616	219.000	Ea
0860	Witness, Log, \$1,000.00	8110350	1.000	Dlr
0870	Recessing Pavt Mrkg, Longit	8110450	9,500.000	Ft
0880	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, White	8110500	2,500.000	Ft
0890	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	5,000.000	Ft
0900	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	1,000.000	Ft
0910	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, Yellow	8110505	1,000.000	Ft
0920	_ Enhanced Delineation, Bidirectional, Guardrail, Post Mount	8117001	475.000	Ft
0930	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0940	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0950	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	8.000	Ea
0960	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	2.000	Ea
0970	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	2.000	Ea
0980	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	8.000	Ea
0990	Conc Barrier Ending, Temp, Detail 4, Adj	8120050	3.000	Ea
1000	Conc Barrier Ending, Temp, Detail 4, Furn	8120051	1.000	Ea
1010	Conc Barrier Ending, Temp, Detail 4, Oper	8120052	1.000	Ea
1020	Conc Barrier Ending, Temp, Detail 4, Relocated	8120053	3.000	Ea
1030	Conc Barrier Reflector Replacement	8120070	10.000	Ea
1040	Conc Barrier, Temp, Adj	8120080	8,000.000	Ft
1050	Conc Barrier, Temp, Furn	8120081	2,000.000	Ft
1060	Conc Barrier, Temp, Oper	8120082	2,000.000	Ft
1070	Conc Barrier, Temp, Relocated	8120083	8,000.000	Ft
1080	High Intensity Light, Type B, Furn	8120110	4.000	Ea
1090	High Intensity Light, Type B, Oper	8120111	4.000	Ea
1100	Lighted Arrow, Type C, Furn	8120140	4.000	Ea

1110	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
1120	Ltg for Night Work	8120160	1.000	LSUM
1130	Minor Traf Devices	8120170	1.000	LSUM
1140	Mobile Attenuator	8120180	4.000	Ea
1150	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	8,500.000	Ft
1160	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	1,000.000	Ft
1170	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	72,000.000	Ft
1180	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	24,000.000	Ft
1190	Plastic Drum, Fluorescent, Furn	8120252	380.000	Ea
1200	Plastic Drum, Fluorescent, Oper	8120253	380.000	Ea
1210	Sign Cover	8120310	20.000	Ea
1220	Sign Cover, Type 1	8120320	10.000	Ea
1230	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
1240	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
1250	Sign, Type B, Temp, Prismatic, Furn	8120350	2,068.000	Sft
1260	Sign, Type B, Temp, Prismatic, Oper	8120351	2,068.000	Sft
1270	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	400.000	Sft
1280	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	400.000	Sft
1290	Traf Regulator Control	8120370	1.000	LSUM
1300	_ Conc Barrier-Mounted Temp Sign System, Furn	8127050	20.000	Ea
1310	_ Conc Barrier-Mounted Temp Sign System, Oper	8127050	20.000	Ea
1320	Slope Restoration, Type A	8160100	56.000	Syd
1330	Slope Restoration, Type B	8160101	1,230.000	Syd
1340	Slope Restoration, Type C	8160102	155.000	Syd
1350	Hh, Abandon	8190240	1.000	Ea
1360	Contractor Staking, Road Only	8240007	1.000	LSUM
1370	Staking Plan Errors and Extras, One Person	8240020	22.000	Hr
1380	Staking Plan Errors and Extras, Two Person	8240021	9.000	Hr
1390	Staking Plan Errors and Extras, Three Person	8240022	14.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 027

Letting Date: November 1, 2019

Contract ID: 40023-205282

Description: 0.41 mi of hot mix asphalt cold mill and resurfacing, trench existing bituminous shoulders and construct new pavement and pavement markings on M-72 from east of Birch Street easterly to east of Walnut Street in the village of Kalkaska, Kalkaska County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
205282A	1901124	N/A	NH 40023

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$43,900.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	25.000	Ft
0030	Sidewalk, Rem	2040055	6.000	Syd
0040	Excavation, Earth	2050016	5.000	Cyd
0050	Non Haz Contaminated Material Handling and Disposal, LM	2050031	10.000	Cyd
0060	_ Ditching	2057002	24.000	Sta
0070	Erosion Control, Silt Fence	2080036	2,400.000	Ft
0080	Aggregate Base	3020001	1,441.000	Ton
0090	Approach, CI I	3070001	40.000	Ton
0100	Approach, CI II	3070021	60.000	Ton
0110	Shoulder, CI II	3070121	187.000	Ton
0120	_ Trenching, Special	3077002	44.000	Sta
0130	Cold Milling HMA Surface	5010002	5,717.000	Syd
0140	HMA Surface, Rem	5010005	979.000	Syd
0150	HMA Quality Initiative	5010007	5,246.000	Dlr
0160	Longitudinal Joint Density Quality Initiative	5010018	4,322.000	Dlr
0170	Hand Patching	5010025	2.000	Ton
0180	HMA Approach	5010061	215.000	Ton
0190	HMA, 4E3, High Stress	5010509	2,406.000	Ton
0200	Curb Ramp Opening, Conc	8030030	10.000	Ft
0210	Sidewalk Ramp, Conc, 6 inch	8030036	80.000	Sft
0220	_ Detectable Warning Surface, Cast Iron	8037001	14.000	Ft
0230	Post, Steel, 3 lb	8100371	56.000	Ft
0240	Sign, Type IIIB	8100405	32.000	Sft
0250	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	8.000	Ea
0260	Pavt Mrkg, Polyurea, 4 inch, Yellow	8110092	5,403.000	Ft

0270	Pavt Mrkg, Waterborne, 4 inch, White	8110231	250.000	Ft
0280	Pavt Mrkg, Waterborne, 6 inch, White	8110233	4,322.000	Ft
0290	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	250.000	Ft
0300	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	5,403.000	Ft
0310	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	4,322.000	Ft
0320	Recessing Pavt Mrkg, Longit	8110450	9,975.000	Ft
0330	Recessing Pavt Mrkg, Transv	8110451	232.000	Sft
0340	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0350	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0360	Minor Traf Devices	8120170	1.000	LSUM
0370	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	350.000	Ft
0380	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,000.000	Ft
0390	Plastic Drum, Fluorescent, Furn	8120252	75.000	Ea
0400	Plastic Drum, Fluorescent, Oper	8120253	75.000	Ea
0410	Sign Cover	8120310	2.000	Ea
0420	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0430	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0440	Sign, Type B, Temp, Prismatic, Furn	8120350	884.000	Sft
0450	Sign, Type B, Temp, Prismatic, Oper	8120351	884.000	Sft
0460	Traf Regulator Control	8120370	1.000	LSUM
0470	Fertilizer, Chemical Nutrient, CI A	8160020	174.000	Lb
0480	Mulch Blanket	8160027	4,788.000	Syd
0490	Seeding, Mixture TDS	8160037	218.000	Lb
0500	Topsoil Surface, Furn, 3 inch	8160061	4,788.000	Syd
0510	Hydrant, Relocate, Case 1	8230095	1.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 028

Letting Date: November 1, 2019

Contract ID: 12034-127442

Description: 12.07 mi of diamond grinding pavement, concrete pavement and joint repair, hot mix asphalt paving and ultra-thin overlay, crack sealing, drainage and pavement markings, bridge rehabilitation including concrete deck, barrier and drilled shaft, deep overlay, full beam painting and approach work on I-69 from Ottis Road to Girard Road in the city of Coldwater, Branch County. This project includes a 2 year bridge coating warranty and a 2 year concrete surface coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
127442A	1901236	N/A	IM 12034
203669A	1901180	N/A	IM 12034

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$653,900.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.200	Acre
0030	Tree, Rem, 6 inch to 18 inch	2020004	2.000	Ea
0040	Culv, Rem, Less than 24 inch	2030001	10.000	Ea
0050	Curb and Gutter, Rem	2040020	396.000	Ft
0060	Fence, Rem	2040025	152.000	Ft
0070	Guardrail, Rem	2040035	1,590.000	Ft
0080	Pavt, Rem	2040050	530.000	Syd
0090	Embankment, CIP	2050010	502.000	Cyd
0100	Excavation, Earth	2050016	1,424.000	Cyd
0110	Non Haz Contaminated Material Handling and Disposal, LM	2050031	200.000	Cyd
0120	Subgrade Undercutting, Type II	2050041	50.000	Cyd
0130	Erosion Control, Maintenance, Sediment Removal	2080026	2.000	Cyd
0140	Erosion Control, Silt Fence	2080036	1,242.000	Ft
0150	Aggregate Base	3020001	684.000	Ton
0160	Shoulder, CI II	3070121	158.000	Ton
0170	Culv, Downspout, 15 inch	4010796	502.000	Ft
0180	Dr Marker Post	4011109	765.000	Ea
0190	Video Taping Sewer and Culv Pipe	4021275	494.000	Ft
0200	_ Underdrain Outlet Cleanout	4047050	755.000	Ea
0210	Cold Milling HMA Surface	5010002	100,114.000	Syd
0220	HMA Surface, Rem	5010005	2,619.000	Syd
0230	HMA Quality Initiative	5010007	1,110.000	Dlr
0240	Hand Patching	5010025	1.000	Ton

0250	HMA Approach	5010061	379.000	Ton
0260	HMA, LVSP	5010703	176.000	Ton
0270	_ HMA, Ultra-Thin, Low Volume	5047011	100,114.000	Syd
0280	Joint, Contraction, Cp	6020200	316.000	Ft
0290	Joint, Expansion, E2	6020207	32.000	Ft
0300	Cement	6030005	14.000	Ton
0310	Diamond Grinding Conc Pavt	6030015	227,332.000	Syd
0320	Longit Grooving of Conc Pavt	6030018	167,127.000	Syd
0330	Joint, Contraction, Crg	6030020	1,372.000	Ft
0340	Lane Tie, Epoxy Anchored	6030030	540.000	Ea
0350	Non-Chloride Accelerator	6030035	327.000	Gal
0360	Pavt Repr, Nonreinf Conc, 10 inch	6030048	662.000	Syd
0370	Pavt Repr, Nonreinf Conc, 12 inch	6030052	314.000	Syd
0380	Pavt Repr, Rem	6030080	976.000	Syd
0390	Saw Cut, Intermediate	6030090	994.000	Ft
0400	Resealing Trans Joints with Hot-Poured Rubber	6030100	295,200.000	Ft
0410	Resealing Longit Joints with Hot-Poured Rubber	6030101	191,500.000	Ft
0420	_ Joint, Tied, 4 foot, Special	6037001	145.000	Ft
0430	_ Pavt Repr, 4 foot, Nonreinf, 12 inch, Special	6037011	65.000	Syd
0440	_ Pavt Repr, 4 foot, Rem, Special	6037011	65.000	Syd
0450	Conc, Grade S2	7060011	10.000	Cyd
0460	Reinforcement, Steel, Culv and Headwall	7060091	460.000	Lb
0470	Curb and Gutter, Bridge Approach	8020010	444.000	Ft
0480	Downspout Header, Conc	8020070	10.000	Ea
0490	Guardrail, Type B	8070000	962.000	Ft
0500	Guardrail Anch, Bridge, Det A2	8070021	8.000	Ea
0510	Guardrail Anch, Bridge, Det T5	8070026	4.000	Ea
0520	Guardrail Reflector	8070080	40.000	Ea
0530	Fence, Woven Wire with Steel Post	8080002	164.000	Ft
0540	Pavt Mrkg, Waterborne, 4 inch, White	8110231	31,900.000	Ft
0550	Pavt Mrkg, Waterborne, 6 inch, White	8110233	112,800.000	Ft
0560	Pavt Mrkg, Waterborne, 12 inch, White	8110237	6,200.000	Ft
0570	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	31,900.000	Ft
0580	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	112,800.000	Ft
0590	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	6,200.000	Ft
0600	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	400.000	Ft
0610	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	984.000	Ft
0620	Rem Curing Compound, for Longit Mrkg, 12 inch	8110310	100.000	Ft
0630	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0640	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	76.000	Ea
0650	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	76.000	Ea
0660	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	12.000	Ea
0670	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	6.000	Ea

0680	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	4.000	Ea
0690	Conc Barrier, Temp, Adj	8120080	2,480.000	Ft
0700	Conc Barrier, Temp, Furn	8120081	1,860.000	Ft
0710	Conc Barrier, Temp, Oper	8120082	1,240.000	Ft
0720	High Intensity Light, Type B, Furn	8120110	4.000	Ea
0730	High Intensity Light, Type B, Oper	8120111	4.000	Ea
0740	Lighted Arrow, Type C, Furn	8120140	14.000	Ea
0750	Lighted Arrow, Type C, Oper	8120141	14.000	Ea
0760	Minor Traf Devices	8120170	1.000	LSUM
0770	Mobile Attenuator	8120180	6.000	Ea
0780	Pavt Mrkg, Longit, Water Blasting, 6 inch or less Width, Rem	8120212	22,000.000	Ft
0790	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	32,000.000	Ft
0800	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	54,420.000	Ft
0810	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	54,420.000	Ft
0820	Plastic Drum, Fluorescent, Furn	8120252	1,400.000	Ea
0830	Plastic Drum, Fluorescent, Oper	8120253	1,400.000	Ea
0840	Sign Cover	8120310	20.000	Ea
0850	Sign Cover, Type 1	8120320	2.000	Ea
0860	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
0870	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
0880	Sign, Type A, Temp, Prismatic, Furn	8120340	301.000	Sft
0890	Sign, Type A, Temp, Prismatic, Oper	8120341	301.000	Sft
0900	Sign, Type B, Temp, Prismatic, Furn	8120350	3,392.000	Sft
0910	Sign, Type B, Temp, Prismatic, Oper	8120351	3,392.000	Sft
0920	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	1,102.000	Sft
0930	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	1,102.000	Sft
0940	Riprap, Plain	8130010	50.000	Syd
0950	Fertilizer, Chemical Nutrient, CI A	8160020	176.000	Lb
0960	Mulch	8160025	4,600.000	Syd
0970	Mulch Blanket	8160027	1,600.000	Syd
0980	Mulch Blanket, High Velocity	8160028	3,000.000	Syd
0990	Seeding, Mixture THV	8160040	220.000	Lb
1000	Topsoil Surface, Furn, 4 inch	8160062	1,400.000	Syd
1010	Topsoil Surface, Salv, 4 inch	8160077	3,200.000	Syd
1020	Monument Box	8210001	1.000	Ea
1030	Monument Preservation	8210010	4.000	Ea
1040	_ Sinusoidal Corrugations, Milled, Conc Shoulder	8227001	74,530.000	Ft
1050	_ Sinusoidal Corrugations, Milled, HMA Shoulder	8227001	74,530.000	Ft
1060	Contractor Staking	8240001	1.000	LSUM
1070	Staking Plan Errors and Extras, One Person	8240020	58.000	Hr
1080	Staking Plan Errors and Extras, Two Person	8240021	23.000	Hr

1090	Staking Plan Errors and Extras, Three Person	8240022	35.000	Hr
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Section: 2

1100	Embankment, Structure, CIP	2050012	993.000	Cyd
1110	Backfill, Structure, CIP	2060002	281.000	Cyd
1120	Excavation, Fdn	2060010	976.000	Cyd
1130	Underdrain, Fdn, 4 inch	4040031	861.000	Ft
1140	Underdrain Outlet, 4 inch	4040091	96.000	Ft
1150	Underdrain, Outlet Ending, 4 inch	4040111	12.000	Ea
1160	HMA Patch, Rem	5010006	2.000	Syd
1170	Bridge Ltg, Furn and Rem (S01 of 12034)	7060001	1.000	LSUM
1180	Bridge Ltg, Furn and Rem (S02 of 12034)	7060001	1.000	LSUM
1190	Bridge Ltg, Furn and Rem (S07 of 12033)	7060001	1.000	LSUM
1200	Bridge Ltg, Oper and Maintain	7060002	400.000	Cyd
1210	Expansion Joint Device	7060050	180.000	Ft
1220	False Decking	7060060	18,000.000	Sft
1230	Reinforcement, Steel, Epoxy Coated	7060092	211,343.000	Lb
1240	Substructure Conc, High Performance	7060101	160.000	Cyd
1250	Superstructure Conc, Form, Finish, and Cure (S01 of 12034)	7060111	1.000	LSUM
1260	Superstructure Conc, Form, Finish, and Cure (S02 of 12034)	7060111	1.000	LSUM
1270	Superstructure Conc, Form, Finish, and Cure (S07 of 12033)	7060111	1.000	LSUM
1280	Superstructure Conc, Form, Finish, and Cure, Night Casting (S01 of 12034)	7060112	1.000	LSUM
1290	Superstructure Conc, Form, Finish, and Cure, Night Casting (S02 of 12034)	7060112	1.000	LSUM
1300	Superstructure Conc, Form, Finish, and Cure, Night Casting (S07 of 12033)	7060112	1.000	LSUM
1310	Superstructure Conc, High Performance	7060116	107.000	Cyd
1320	Superstructure Conc, Night Casting, High Performance	7060117	102.000	Cyd
1330	_ Expansive Waterstop	7067001	28.000	Ft
1340	_ Bearing, Elastomeric, 3 1/8 inch	7077008	4,830.000	Sin
1350	Joint Waterproofing, Expansion	7100003	287.000	Sft
1360	Conc Surface Coating, Warranty (S01 of 12034)	7100009	1.000	LSUM
1370	Conc Surface Coating, Warranty (S02 of 12034)	7100009	1.000	LSUM
1380	Conc Surface Coating, Warranty (S07 of 12033)	7100009	1.000	LSUM
1390	Bridge Railing, Aesthetic, Type 4, Det 2, High Performance	7110051	100.000	Ft
1400	Bridge Railing, Aesthetic, Type 4, Det 2, Modified, High Performance	7110061	430.000	Ft
1410	Scarifying	7120001	2,021.000	Syd
1420	Hand Chipping, Other Than Deck	7120007	1,680.000	Cft
1430	Patch, Forming	7120017	270.000	Sft
1440	Epoxy Ovly, Rem	7120021	622.000	Syd
1450	Bridge Deck Surface Construction	7120025	2,021.000	Syd

1460	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	728.000	Ea
1470	Adhesive Anchoring of Horizontal Bar, 1/2 inch	7120030	188.000	Ea
1480	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	944.000	Ea
1490	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	118.000	Ea
1500	Structures, Rehabilitation, Rem Portions (S01 of 12034)	7120070	1.000	LSUM
1510	Structures, Rehabilitation, Rem Portions (S02 of 12034)	7120070	1.000	LSUM
1520	Structures, Rehabilitation, Rem Portions (S07 of 12033)	7120070	1.000	LSUM
1530	Hydrodemolition, First Pass	7120076	1,999.000	Syd
1540	Hydrodemolition, Second Pass	7120077	81.000	Syd
1550	Flushing Cracks, Water	7120098	300.000	Ft
1560	Structural Crack, Repr	7120099	300.000	Ft
1570	Top Flanges and Beam Ends, Clean and Coat	7120100	24.000	Syd
1580	Patching Conc, C-L	7120112	6.000	Cyd
1590	Embedded Galvanic Anode	7120120	564.000	Ea
1600	_ Conc, Deep Bridge Deck Ovly	7127021	298.000	Cyd
1610	Beam Plate, Seal Perimeter	7130010	1,518.000	Ft
1620	Structural Steel, Welded Repair, Furn, Fab, and Erect	7130072	3,353.000	Lb
1630	Support, Column, Temp	7130080	24.000	Ea
1640	Steel Structure, Cleaning, Type 4 (S01 of 12034)	7150045	1.000	LSUM
1650	Steel Structure, Cleaning, Type 4 (S02 of 12034)	7150045	1.000	LSUM
1660	Steel Structure, Cleaning, Type 4 (S07 of 12033)	7150045	1.000	LSUM
1670	Steel Structure, Coating, Type 4 (S01 of 12034)	7150046	1.000	LSUM
1680	Steel Structure, Coating, Type 4 (S02 of 12034)	7150046	1.000	LSUM
1690	Steel Structure, Coating, Type 4 (S07 of 12033)	7150046	1.000	LSUM
1700	Drilled Shaft Equipment, Furnished (S01 of 12034)	7180010	1.000	LSUM
1710	Drilled Shaft Equipment, Furnished (S02 of 12034)	7180010	1.000	LSUM
1720	Drilled Shaft Equipment, Furnished (S07 of 12033)	7180010	1.000	LSUM
1730	Drilled Shaft, 36 inch	7180036	906.000	Ft
1740	Obstruction Removal	7180100	30,000.000	Dir
1750	Temp Casing-Left in Place	7180121	906.000	Ft
1760	Slope Paving Header	8130015	540.000	Ft
1770	Slope Paving, Conc	8130020	610.000	Syd
1780	Flowable Fill, Non-Structural	8260148	3.000	Cyd



Schedule of Pay Items

Report v1

Letting Call: 191101 029

Letting Date: November 1, 2019

Contract ID: 52081-208386

Description: 0.99 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk, ramps, storm sewer and pavement markings on M-28BR from Gold Street to just south of Water Street in the city of Negaunee, Marquette County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
208386A	1901133	N/A	ST 52081

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$80,800.00	1500001	1.000	LSUM
0020	Dr Structure, Rem	2030011	4.000	Ea
0030	Sewer, Rem, Less than 24 inch	2030015	96.000	Ft
0040	Curb and Gutter, Rem	2040020	227.000	Ft
0050	Curb, Rem	2040021	1,263.000	Ft
0060	Pavt, Rem	2040050	465.000	Syd
0070	Sidewalk, Rem	2040055	1,032.000	Syd
0080	Embankment, CIP	2050010	182.000	Cyd
0090	Excavation, Earth	2050016	559.000	Cyd
0100	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	16.000	Ea
0120	Subbase, CIP	3010002	328.000	Cyd
0130	Aggregate Base	3020001	279.000	Ton
0140	Sewer, CI II, 12 inch, Tr Det B	4020748	48.000	Ft
0150	Sewer, CI II, 15 inch, Tr Det B	4020749	48.000	Ft
0160	Video Taping Sewer and Culv Pipe	4021275	96.000	Ft
0170	Dr Structure Cover, Adj, Case 1	4030005	21.000	Ea
0180	Dr Structure Cover, Adj, Case 2	4030006	2.000	Ea
0190	Dr Structure Cover, Type B	4030010	7.000	Ea
0200	Dr Structure Cover, Type D	4030025	2.000	Ea
0210	Dr Structure Cover, Type K	4030050	8.000	Ea
0220	Dr Structure, 24 inch dia	4030200	2.000	Ea
0230	Dr Structure, 48 inch dia	4030210	2.000	Ea
0240	Dr Structure, Adj, Add Depth	4030280	21.000	Ft
0250	_ Dr Structure Cover, ADA Compliant	4037050	3.000	Ea
0260	Cold Milling HMA Surface	5010002	24,000.000	Syd

0270	HMA Surface, Rem	5010005	1,003.000	Syd
0280	HMA Quality Initiative	5010007	5,250.000	Dir
0290	Edge Trimming	5010009	500.000	Ft
0300	Longitudinal Joint Density Quality Initiative	5010018	15,760.000	Dir
0310	Pavt Joint and Crack Repr, Det 7	5010020	300.000	Ft
0320	Pavt Joint and Crack Repr, Det 8	5010021	350.000	Ft
0330	Hand Patching	5010025	480.000	Ton
0340	HMA, 5E1	5010056	2,044.000	Ton
0350	HMA Approach	5010061	101.000	Ton
0360	Cement	6030005	2.000	Ton
0370	Non-Chloride Accelerator	6030035	45.000	Gal
0380	_ Pedestrian Path, Temp	8007001	50.000	Ft
0390	_ Pedestrian Ramp, Temp	8007050	4.000	Ea
0400	Driveway, Nonreinf Conc, 6 inch	8010005	68.000	Syd
0410	Curb, Conc, Det E1	8020001	16.000	Ft
0420	Curb, Conc, Det E2	8020002	1,610.000	Ft
0430	Curb, Conc, Det E4	8020004	63.000	Ft
0440	Curb and Gutter, Conc, Det F2	8020036	54.000	Ft
0450	Curb and Gutter, Conc, Det F4	8020038	103.000	Ft
0460	Detectable Warning Surface	8030010	464.000	Ft
0470	Curb Ramp Opening, Conc	8030030	792.000	Ft
0480	Sidewalk Ramp, Conc, 6 inch	8030036	10,059.000	Sft
0490	Sidewalk, Conc, 4 inch	8030044	1,345.000	Sft
0500	Sidewalk, Conc, 8 inch	8030048	147.000	Sft
0510	Fdn, Wood Support, Rem	8100280	10.000	Ea
0520	Post Hole Through Conc for Wood Post	8100341	10.000	Ea
0530	Post, Wood, 4 inch by 6 inch	8100380	198.000	Ft
0540	Sign, Type III, Erect, Salv	8100402	29.000	Ea
0550	Sign, Type III, Rem	8100403	29.000	Ea
0560	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	798.000	Ft
0570	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	156.000	Ft
0580	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	12.000	Ft
0590	Pavt Mrkg, Waterborne, 4 inch, White	8110231	200.000	Ft
0600	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	9,300.000	Ft
0610	Pavt Mrkg, Waterborne, 6 inch, White	8110233	5,000.000	Ft
0620	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	200.000	Ft
0630	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	9,300.000	Ft
0640	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	5,000.000	Ft
0650	Witness, Log, \$1,000.00	8110350	1,000.000	Dir
0660	Pavt Mrkg, Polyurea, Only	8110410	1.000	Ea
0670	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	1.000	Ea
0680	Pavt Mrkg, Polyurea, School	8110414	4.000	Ea
0690	Pavt Mrkg, Polyurea, Thru & Lt Turn Arrow Sym	8110416	1.000	Ea
0700	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea

0710	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0720	Pedestrian Type II Barricade, Temp	8120026	20.000	Ea
0730	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	130.000	Ea
0740	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	130.000	Ea
0750	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0760	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0770	Minor Traf Devices	8120170	1.000	LSUM
0780	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	20.000	Ft
0790	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,700.000	Ft
0800	Sign Cover	8120310	2.000	Ea
0810	Sign, Type B, Temp, Prismatic, Furn	8120350	1,413.000	Sft
0820	Sign, Type B, Temp, Prismatic, Oper	8120351	1,413.000	Sft
0830	Traf Regulator Control	8120370	1.000	LSUM
0840	Slope Restoration, Type B	8160101	1,266.000	Syd
0850	Hh, Adj	8190244	1.000	Ea
0860	Monument Box Adjust	8210005	6.000	Ea
0870	Protect Corners	8210020	6.000	Ea
0880	Water Shutoff, Adj, Case 1	8230421	5.000	Ea
0890	Gate Box, Adj, Case 1	8230431	5.000	Ea
0900	Contractor Staking, Road Only	8240007	1.000	LSUM
0910	Staking Plan Errors and Extras, One Person	8240020	7.000	Hr
0920	Staking Plan Errors and Extras, Two Person	8240021	3.000	Hr
0930	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr
0940	_ Railroad Inspection and Flagging	8507060	7,500.000	Dlr
0950	_ Railroad Protection	8507060	7,500.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 191101 030

Letting Date: November 1, 2019

Contract ID: 80012-206308-2

Description: Bridge rehabilitation including epoxy overlay, railing replacement, substructure patching, guardrail and approach work on I-196 over Van Buren Trail, Van Buren County. This project includes a 5 year epoxy performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
206308A	N/A	N/A	M 80012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$80,300.00	1500001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	4.000	Ea
0030	Curb and Gutter, Rem	2040020	17.000	Ft
0040	Guardrail, Rem	2040035	5,042.000	Ft
0050	Pavt, Rem	2040050	746.000	Syd
0060	Embankment, CIP	2050010	89.000	Cyd
0070	Excavation, Earth	2050016	210.000	Cyd
0080	Erosion Control, Inlet Protection, Fabric Drop	2080020	8.000	Ea
0090	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0100	Erosion Control, Silt Fence	2080036	770.000	Ft
0110	Project Cleanup	2090001	1.000	LSUM
0120	Aggregate Base, 6 inch	3020016	776.000	Syd
0130	Shoulder, CI II, 6 inch	3070128	29.000	Syd
0140	Culv, Downspout, 12 inch	4010795	32.000	Ft
0150	Video Taping Sewer and Culv Pipe	4021275	32.000	Ft
0160	Joint, Expansion, E2	6020207	78.000	Ft
0170	Joint, Expansion, E3	6020208	222.000	Ft
0180	Joint, Expansion, E4	6020209	34.000	Ft
0190	Conc Quality Initiative	6020401	4,322.000	Dir
0200	Conc Pavt, Misc, Nonreinf, 9 inch, High Performance	6020514	87.000	Syd
0210	Shoulder, Nonreinf Conc, High Performance	6020524	38.000	Syd
0220	Joint, Expansion, Erg	6030021	150.000	Ft
0230	_ Filling Shld Corrugations with Hot-Poured Rubber	6037001	4,000.000	Ft
0240	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	549.000	Syd
0250	Curb and Gutter, Bridge Approach	8020010	193.000	Ft
0260	Curb and Gutter, Conc, Det D1	8020030	30.000	Ft
0270	Guardrail, Type MGS-8	8070004	4,875.000	Ft

0280	Guardrail Anch, Bridge, Det T1	8070022	6.000	Ea
0290	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea
0300	Guardrail Departing Terminal, Type MGS	8070052	2.000	Ea
0310	Guardrail Reflector	8070080	100.000	Ea
0320	Delineator Reflector, Green	8100133	6.000	Ea
0330	Post, Rigid, Delineator	8100361	6.000	Ea
0340	Post, Steel, 3 lb	8100371	30.000	Ft
0350	Sign, Type II, Erect, Salv	8100396	2.000	Ea
0360	Sign, Type II, Rem	8100397	2.000	Ea
0370	Pavt Mrkg, Waterborne, 4 inch, White	8110231	150.000	Ft
0380	Pavt Mrkg, Waterborne, 6 inch, White	8110233	544.000	Ft
0390	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	544.000	Ft
0400	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	50.000	Ft
0410	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	191.000	Ft
0420	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0430	Pavt Mrkg, Wet Retrflec Waterborne, 4 inch, White	8110480	150.000	Ft
0440	Pavt Mrkg, Wet Retrflec Waterborne, 6 inch, White	8110481	544.000	Ft
0450	Pavt Mrkg, Wet Retrflec Waterborne, 6 inch, Yellow	8110485	544.000	Ft
0460	Barricade, Type III, High Intensity, Lighted, Furn	8120022	12.000	Ea
0470	Barricade, Type III, High Intensity, Lighted, Oper	8120023	12.000	Ea
0480	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	2.000	Ea
0490	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	2.000	Ea
0500	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	2.000	Ea
0510	Conc Barrier Ending, Temp, Detail 2, Relocated	8120043	2.000	Ea
0520	Conc Barrier, Temp, Adj	8120080	520.000	Ft
0530	Conc Barrier, Temp, Furn	8120081	520.000	Ft
0540	Conc Barrier, Temp, Oper	8120082	520.000	Ft
0550	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0560	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0570	Minor Traf Devices	8120170	1.000	LSUM
0580	Pavt Mrkg Cover, Type R, Black	8120200	5,400.000	Ft
0590	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	9,000.000	Ft
0600	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	9,000.000	Ft
0610	Plastic Drum, Fluorescent, Furn	8120252	150.000	Ea
0620	Plastic Drum, Fluorescent, Oper	8120253	150.000	Ea
0630	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0640	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0650	Sign, Type B, Temp, Prismatic, Furn	8120350	1,228.000	Sft
0660	Sign, Type B, Temp, Prismatic, Oper	8120351	1,228.000	Sft
0670	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	18.000	Sft
0680	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	18.000	Sft
0690	Slope Restoration, Type A	8160100	182.000	Syd
0700	Slope Restoration, Type B	8160101	190.000	Syd

0710	Slope Restoration, Type C	8160102	225.000	Syd
0720	Contractor Staking	8240001	1.000	LSUM
0730	Staking Plan Errors and Extras, One Person	8240020	6.000	Hr
0740	Staking Plan Errors and Extras, Two Person	8240021	3.000	Hr
0750	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr

Section: 2

0760	Reinforcement, Steel, Epoxy Coated	7060092	14,396.000	Lb
0770	_ Silane Treatment	7107010	7,894.000	Sft
0780	Reflective Marker, Permanent Barrier	7110003	12.000	Ea
0790	Bridge Railing, Aesthetic, Type 4, Det 2, Modified, High Performance	7110061	768.000	Ft
0800	Hand Chipping, Other Than Deck	7120007	60.000	Cft
0810	Patch, Forming	7120017	240.000	Sft
0820	Epoxy Ovly, Rem	7120021	1,694.000	Syd
0830	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	1,740.000	Ea
0840	Structures, Rehabilitation, Rem Portions (R01-1 of 80012)	7120070	1.000	LSUM
0850	Structures, Rehabilitation, Rem Portions (R01-2 of 80012)	7120070	1.000	LSUM
0860	Bridge Joint, Revise Expansion Device	7120080	8.000	Ea
0870	Patching Conc, C-L	7120112	4.000	Cyd
0880	Embedded Galvanic Anode	7120120	240.000	Ea
0890	_ Epoxy Ovly, Warranty	7127011	1,984.000	Syd

**Schedule of Pay Items**

Report v1

Letting Call: 191101 031**Letting Date:** November 1, 2019**Contract ID:** 30012-204093

Description: 7.67 mi of chip sealing, warranty, with fog sealing, shoulder gravel and pavement markings on M-49 from US-12 to Herring Road and on M-99 from Park Street to the north Hillsdale county line in the village of Allen and city of Litchfield, Hillsdale County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204093A	1901133	N/A	ST 30012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$54,900.00	1500001	1.000	LSUM
0020	Erosion Control, Inlet Protection, Fabric Drop	2080020	1.000	Ea
0030	Shoulder, CI II	3070121	2,588.000	Ton
0040	Pavt, Cleaning	5010001	1.000	LSUM
0050	Overband Crack Fill, Lane	5020003	15.700	Lnmi
0060	Chip Seal, Single, Warranty	5050040	140,438.000	Syd
0070	_ Seal, Fog	5057011	140,438.000	Syd
0080	Post, Steel, 3 lb	8100371	104.000	Ft
0090	Sign, Type VB	8100425	32.000	Sft
0100	Reflective Panel for Permanent Sign Support, 6 foot	8100616	74.000	Ea
0110	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	72.000	Ft
0120	Pavt Mrkg, Waterborne, 4 inch, White	8110231	765.000	Ft
0130	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	38,847.000	Ft
0140	Pavt Mrkg, Waterborne, 6 inch, White	8110233	80,538.000	Ft
0150	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	765.000	Ft
0160	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	38,847.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	80,538.000	Ft
0180	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0190	Pavt Mrkg, Polyurea, Only	8110410	2.000	Ea
0200	Pavt Mrkg, Polyurea, Railroad Sym	8110411	2.000	Ea
0210	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	2.000	Ea
0220	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	151.000	Ea
0230	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	151.000	Ea
0240	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0250	Lighted Arrow, Type C, Oper	8120141	3.000	Ea
0260	Minor Traf Devices	8120170	1.000	LSUM
0270	Plastic Drum, Fluorescent, Furn	8120252	14.000	Ea

0280	Plastic Drum, Fluorescent, Oper	8120253	14.000	Ea
0290	Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional	8120281	3,224.000	Ea
0300	Sign Cover	8120310	10.000	Ea
0310	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0320	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0330	Sign, Type B, Temp, Prismatic, Furn	8120350	400.000	Sft
0340	Sign, Type B, Temp, Prismatic, Oper	8120351	400.000	Sft
0350	Traf Regulator Control	8120370	1.000	LSUM
0360	_ Railroad Protection, at Grade Crossing	8507060	4,000.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 191101 032

Letting Date: November 1, 2019

Contract ID: 33045-127572

Description: 0.84 mi of installation of high friction surface treatment and pavement markings on I-496/US-127 from the Red Cedar River to just south of Trowbridge Road in the city of East Lansing, Ingham County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
127572A	1901187	N/A	HSIP 33045

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$40,100.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	High Friction Surface Treatment	5060800	13,880.000	Syd
0040	Pavt Mrkg, Waterborne, 4 inch, White	8110231	1,305.000	Ft
0050	Pavt Mrkg, Waterborne, 6 inch, White	8110233	4,490.000	Ft
0060	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	4,419.000	Ft
0070	Pavt Mrkg, Waterborne, 12 inch, White	8110237	3,951.000	Ft
0080	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	1,305.000	Ft
0090	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	4,490.000	Ft
0100	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	4,419.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	3,951.000	Ft
0120	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0130	Barricade, Type III, High Intensity, Lighted, Furn	8120022	6.000	Ea
0140	Barricade, Type III, High Intensity, Lighted, Oper	8120023	6.000	Ea
0150	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	200.000	Ea
0160	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	200.000	Ea
0170	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0180	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0190	Ltg for Night Work	8120160	1.000	LSUM
0200	Minor Traf Devices	8120170	1.000	LSUM
0210	Mobile Attenuator	8120180	2.000	Ea
0220	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	7,000.000	Ft
0230	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	7,000.000	Ft
0240	Plastic Drum, Fluorescent, Furn	8120252	100.000	Ea
0250	Plastic Drum, Fluorescent, Oper	8120253	100.000	Ea
0260	Sign Cover	8120310	10.000	Ea

0270	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
0280	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
0290	Sign, Type A, Temp, Prismatic, Furn	8120340	25.000	Sft
0300	Sign, Type A, Temp, Prismatic, Oper	8120341	25.000	Sft
0310	Sign, Type B, Temp, Prismatic, Furn	8120350	890.000	Sft
0320	Sign, Type B, Temp, Prismatic, Oper	8120351	890.000	Sft



Schedule of Pay Items

Report v1

Letting Call: 191101 033

Letting Date: November 1, 2019

Contract ID: 34032-206744

Description: Traffic signals modernization and ITS/connected vehicle installations on M-66 at Grand River and David Highway, Ionia County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
206744A	N/A	N/A	M 34032

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$29,500.00	1500001	1.000	LSUM
0020	Exploratory Investigation, Vertical	2040080	20.000	Ft
0030	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0040	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0050	Erosion Control, Maintenance, Sediment Removal	2080026	2.000	Cyd
0060	Erosion Control, Silt Fence	2080036	25.000	Ft
0070	Maintenance Gravel, LM	3060021	20.000	Cyd
0080	Obstruction Removal	7180100	2,000.000	Dlr
0090	_ Managed Field Ethernet Switch, Fiber Capable	8007050	2.000	Ea
0100	_ Roadside Unit, Intersection	8007050	2.000	Ea
0110	Post, Steel, 3 lb	8100371	320.000	Ft
0120	Sign, Type III, Rem	8100403	6.000	Ea
0130	Sign, Type IIIB	8100405	110.000	Sft
0140	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	270.000	Ft
0150	Rem Spec Mrkg	8110343	350.000	Sft
0160	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	70.000	Ea
0170	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	7.000	Ea
0180	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0190	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0200	Minor Traf Devices	8120170	1.000	LSUM
0210	Sign Cover	8120310	8.000	Ea
0220	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0230	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0240	Sign, Type A, Temp, Prismatic, Furn	8120340	64.000	Sft
0250	Sign, Type A, Temp, Prismatic, Oper	8120341	64.000	Sft
0260	Sign, Type B, Temp, Prismatic, Furn	8120350	588.000	Sft
0270	Sign, Type B, Temp, Prismatic, Oper	8120351	588.000	Sft

0280	Traf Regulator Control	8120370	1.000	LSUM
0290	Conduit, DB, 1, 1 1/2 inch	8190027	60.000	Ft
0300	Conduit, DB, 3, 3 inch	8190035	40.000	Ft
0310	Conduit, DB, 4, 3 inch	8190038	20.000	Ft
0320	Hh, Polymer Conc	8190250	4.000	Ea
0330	Hh, Round, 3 foot dia	8190259	2.000	Ea
0340	Hh, Round	8190260	1.000	Ea
0350	Cable, Sec, 600V, 1, 3/C#6	8190399	30.000	Ft
0360	Wood Pole	8190465	5.000	Ea
0370	Wood Pole, Rem	8190505	4.000	Ea
0380	_ Conduit, DB, 1, 1 inch	8197001	40.000	Ft
0390	Case Sign, Rem	8200020	2.000	Ea
0400	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	8.000	Ea
0410	Controller and Cabinet, Rem	8200030	2.000	Ea
0420	Controller Fdn, Base Mount	8200045	2.000	Ea
0430	Global Positioning System Module	8200050	2.000	Ea
0440	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	2.000	Ea
0450	Power Co. (Est. Cost to Contractor)	8200116	500.000	Dlr
0460	Serv Disconnect	8200135	2.000	Ea
0470	Serv Disconnect, Rem	8200136	2.000	Ea
0480	Span Wire	8200140	8.000	Ea
0490	Span Wire, Rem	8200141	2.000	Ea
0500	Span Wire Tether	8200142	8.000	Ea
0510	TS, Span Wire Mtd, Rem	8200182	4.000	Ea
0520	Cabinet, NEMA Type	8200186	2.000	Ea
0530	TS, One Way Span Wire Mtd (LED)	8200313	16.000	Ea
0540	TS, One Way Bracket Arm Mtd (LED)	8200333	4.000	Ea
0550	Wireless Vehicle Detection System	8200422	2.000	Ea
0560	Wireless Vehicle Sensor Node	8200425	24.000	Ea
0570	TS Face, Bag	8200458	4.000	Ea
0580	TS Face, Bag, Rem	8200459	4.000	Ea
0590	Strain Pole, Steel, 6 bolt, 36 foot	8200461	3.000	Ea
0600	Strain Pole Fdn, 6 Bolt	8200470	39.000	Ft
0610	Casing	8200480	29.000	Ft
0620	Cellular Modem, TS, 4G	8200498	2.000	Ea
0630	Backplate, TS	8200501	20.000	Ea
0640	_ Controller, NEMA, ATC Type	8207050	2.000	Ea
0650	Contractor Staking, Road Only	8240007	1.000	LSUM
0660	Staking Plan Errors and Extras, One Person	8240020	2.000	Hr
0670	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0680	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr
0690	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
0700	Lightning Protection, Pole	8260021	2.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 034

Letting Date: November 1, 2019

Contract ID: 28012-204914

Description: 0.13 mi of hot mix asphalt right turn lane construction, peat excavation, concrete curb and gutter, sidewalk ramps, culverts, sewer, drainage, signing and pavement markings on US-31 at 14th Street in the city of Traverse City, Grand Traverse County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204914A	1901123	N/A	ST 28012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$25,700.00	1500001	1.000	LSUM
0020	Culv, Rem, 24 inch to 48 inch	2030002	1.000	Ea
0030	Dr Structure, Rem	2030011	2.000	Ea
0040	Curb and Gutter, Rem	2040020	774.000	Ft
0050	Pavt, Rem	2040050	3.000	Syd
0060	Sidewalk, Rem	2040055	30.000	Syd
0070	Backfill, Swamp	2050001	2,200.000	Cyd
0080	Ditch Cleanout	2050006	5.000	Sta
0090	Excavation, Earth	2050016	200.000	Cyd
0100	Excavation, Peat	2050017	3,000.000	Cyd
0110	Non Haz Contaminated Material Handling and Disposal, LM	2050031	10.000	Cyd
0120	_ Embankment, CIP, Special	2057021	50.000	Cyd
0130	Erosion Control, Check Dam, Stone	2080012	24.000	Ft
0140	Erosion Control, Gravel Filter Berm	2080018	24.000	Ft
0150	Erosion Control, Inlet Protection, Fabric Drop	2080020	3.000	Ea
0160	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0170	Erosion Control, Sediment Trap	2080034	2.000	Ea
0180	Erosion Control, Silt Fence	2080036	675.000	Ft
0190	Erosion Control, Stone Bag	2080038	10.000	Ea
0200	Subbase, CIP	3010002	1,050.000	Cyd
0210	Aggregate Base	3020001	495.000	Ton
0220	Culv End Sect, 24 inch	4010024	2.000	Ea
0230	Culv, CI F, 24 inch	4010610	72.000	Ft
0240	Sewer, CI E, 12 inch, Tr Det B	4020600	24.000	Ft
0250	Sewer Tap, 12 inch	4021204	2.000	Ea
0260	Dr Structure Cover, Type K	4030050	2.000	Ea
0270	Dr Structure, 48 inch dia	4030210	2.000	Ea

0280	Pavt, Cleaning	5010001	1.000	LSUM
0290	HMA Surface, Rem	5010005	314.000	Syd
0300	HMA Quality Initiative	5010007	580.000	Dlr
0310	Hand Patching	5010025	16.000	Ton
0320	HMA Approach	5010061	274.000	Ton
0330	_ Pedestrian Path, Temp	8007001	170.000	Ft
0340	Curb and Gutter, Conc, Det F6	8020040	695.000	Ft
0350	Driveway Opening, Conc, Det M	8020050	79.000	Ft
0360	Curb Ramp Opening, Conc	8030030	12.000	Ft
0370	Sidewalk Ramp, Conc, 4 inch	8030034	255.000	Sft
0380	_ Detectable Warning Surface, Cast Iron	8037001	10.000	Ft
0390	Fdn, Wood Support, Rem	8100280	2.000	Ea
0400	Post, Steel, 3 lb	8100371	188.000	Ft
0410	Post, Wood, 4 inch by 6 inch	8100380	32.000	Ft
0420	Sign, Type II, Erect, Salv	8100396	3.000	Ea
0430	Sign, Type II, Rem	8100397	3.000	Ea
0440	Sign, Type IIB	8100399	23.000	Sft
0450	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0460	Sign, Type III, Rem	8100403	4.000	Ea
0470	Sign, Type IIIB	8100405	18.000	Sft
0480	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	66.000	Ft
0490	Pavt Mrkg, Ovly Cold Plastic, 4 inch, Turning Guide Line, White	8110053	40.000	Ft
0500	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0510	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	4.000	Ea
0520	Pavt Mrkg, Waterborne, 4 inch, White	8110231	720.000	Ft
0530	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	965.000	Ft
0540	Pavt Mrkg, Waterborne, 8 inch, White	8110235	120.000	Ft
0550	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	720.000	Ft
0560	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	965.000	Ft
0570	Pavt Mrkg, Waterborne, 2nd Application, 8 inch, White	8110255	120.000	Ft
0580	Rem Spec Mrkg	8110343	114.000	Sft
0590	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	5.000	Ea
0600	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	5.000	Ea
0610	Pedestrian Type II Barricade, Temp	8120026	20.000	Ea
0620	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
0630	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
0640	Minor Traf Devices	8120170	1.000	LSUM
0650	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	900.000	Ft
0660	Plastic Drum, Fluorescent, Furn	8120252	75.000	Ea
0670	Plastic Drum, Fluorescent, Oper	8120253	75.000	Ea
0680	Sign Cover	8120310	1.000	Ea
0690	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0700	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea

0710	Sign, Type B, Temp, Prismatic, Furn	8120350	456.000	Sft
0720	Sign, Type B, Temp, Prismatic, Oper	8120351	456.000	Sft
0730	Fertilizer, Chemical Nutrient, CI A	8160020	102.000	Lb
0740	Mulch Blanket	8160027	2,800.000	Syd
0750	Seeding, Mixture TDS	8160037	128.000	Lb
0760	Topsoil Surface, Furn, 4 inch	8160062	2,800.000	Syd
0770	Contractor Staking, Road Only	8240007	1.000	LSUM
0780	Staking Plan Errors and Extras, One Person	8240020	3.000	Hr
0790	Staking Plan Errors and Extras, Two Person	8240021	1.000	Hr
0800	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr



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AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 035

Letting Date: November 1, 2019

Contract ID: 82024-201022

Description: 0.90 mi of sidewalks and driveways along bridge approaches on Mt. Elliot Avenue over I-94 in the city of Detroit, Wayne County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201022A	1901248	N/A	ST 82024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$33,800.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	Aggregate Base, 6 inch	3020016	4,063.000	Syd
0040	Driveway, Nonreinf Conc, 8 inch	8010007	574.000	Syd
0050	Curb, Conc, Det E1	8020001	394.000	Ft
0060	Detectable Warning Surface	8030010	146.000	Ft
0070	Sidewalk Ramp, Conc, 6 inch	8030036	3,457.000	Sft
0080	Sidewalk, Conc, 4 inch	8030044	25,985.000	Sft
0090	_ Sidewalk, Conc, 8 inch	8037010	1,553.000	Sft
0100	Contractor Staking	8240001	1.000	LSUM
0110	Staking Plan Errors and Extras, One Person	8240020	6.000	Hr
0120	Staking Plan Errors and Extras, Two Person	8240021	4.000	Hr
0130	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr



10/4/2019 12:12 PM

AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 036

Letting Date: November 1, 2019

Contract ID: 82024-201019

Description: 0.90 mi of turf establishment work on Mt. Elliott Avenue over I-94 in the city of Detroit, Wayne County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201019A	1901247	N/A	NH 82024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$28,100.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	_ Turf Establishment, Performance	8167011	24,601.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 191101 037

Letting Date: November 1, 2019

Contract ID: 30033-200989

Description: 5.00 mi of hot mix asphalt overlay with scratch course, full-depth pavement repair, shoulder gravel and pavement markings on M-99 from Grant Street to Litchfield Township Park in the city of Jonesville, Hillsdale County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200989A	N/A	N/A	M 30033

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$128,400.00	1500001	1.000	LSUM
0020	_ Machine Grading, Special	2057011	2,100.000	Syd
0030	Aggregate Base	3020001	50.000	Ton
0040	Approach, CI I	3070001	70.000	Ton
0050	Shoulder, CI II	3070121	1,702.000	Ton
0060	Pavt, Cleaning	5010001	1.000	LSUM
0070	Cold Milling HMA Surface	5010002	395.000	Syd
0080	HMA Surface, Rem	5010005	2,100.000	Syd
0090	HMA Quality Initiative	5010007	25,518.000	Dlr
0100	Pavt for Butt Joints, Rem	5010008	2,270.000	Syd
0110	Longitudinal Joint Density Quality Initiative	5010018	79,200.000	Dlr
0120	Pavt Joint and Crack Repr, Det 7	5010020	924.000	Ft
0130	Hand Patching	5010025	763.000	Ton
0140	HMA Approach	5010061	380.000	Ton
0150	HMA, LVSP	5010703	11,616.000	Ton
0160	Delineator Reflector, Green	8100133	4.000	Ea
0170	Post, Steel, 3 lb	8100371	78.000	Ft
0180	Sign, Type VB	8100425	24.000	Sft
0190	Reflective Panel for Permanent Sign Support, 6 foot	8100616	41.000	Ea
0200	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	12,000.000	Ft
0210	Pavt Mrkg, Waterborne, 6 inch, White	8110233	52,800.000	Ft
0220	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	12,000.000	Ft
0230	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	52,800.000	Ft
0240	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0250	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	766.000	Ea
0260	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	766.000	Ea
0270	Lighted Arrow, Type C, Furn	8120140	2.000	Ea

0280	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0290	Minor Traf Devices	8120170	1.000	LSUM
0300	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	52,800.000	Ft
0310	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	12,000.000	Ft
0320	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,400.000	Ft
0330	Plastic Drum, Fluorescent, Furn	8120252	30.000	Ea
0340	Plastic Drum, Fluorescent, Oper	8120253	30.000	Ea
0350	Sign Cover	8120310	5.000	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	1,300.000	Sft
0390	Sign, Type B, Temp, Prismatic, Oper	8120351	1,300.000	Sft
0400	Traf Regulator Control	8120370	1.000	LSUM
0410	Monument Preservation	8210010	1.000	Ea
0420	Centerline Corrugations, Milled, HMA	8220013	24,430.000	Ft
0430	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	48,860.000	Ft



Schedule of Pay Items

Report v1

Letting Call: 191101 038

Letting Date: November 1, 2019

Contract ID: 13032-132618

Description: Traffic signal modernizations, sidewalk ramp upgrades and ITS connected vehicle installations on various routes in the cities of Battle Creek and Springfield, Calhoun County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
132618A	1901237	N/A	CMG 13032
205753A	1901232	N/A	STRH 13121

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$208,400.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	1,808.000	Ft
0030	Masonry and Conc Structure, Rem	2040045	8.000	Cyd
0040	Pavt, Rem	2040050	34.000	Syd
0050	Sidewalk, Rem	2040055	972.000	Syd
0060	Exploratory Investigation, Vertical	2040080	150.000	Ft
0070	Embankment, CIP	2050010	172.000	Cyd
0080	Excavation, Earth	2050016	657.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	20.000	Cyd
0100	Erosion Control, Inlet Protection, Fabric Drop	2080020	30.000	Ea
0110	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0120	Erosion Control, Silt Fence	2080036	600.000	Ft
0130	Aggregate Base, 4 inch	3020010	20.000	Syd
0140	Aggregate Base, 6 inch	3020016	2,107.000	Syd
0150	Maintenance Gravel, LM	3060021	56.000	Cyd
0160	Dr Structure Cover, Adj, Case 1	4030005	11.000	Ea
0170	Dr Structure Cover, Adj, Case 2	4030006	1.000	Ea
0180	Dr Structure Cover, Type K	4030050	1.000	Ea
0190	Dr Structure, Adj, Add Depth	4030280	30.000	Ft
0200	HMA Surface, Rem	5010005	501.000	Syd
0210	Hand Patching	5010025	146.000	Ton
0220	HMA, LVSP	5010703	27.000	Ton
0230	Lane Tie, Epoxy Anchored	6030030	465.000	Ea
0240	Pavt Repr, Nonreinf Conc, 9 inch	6030046	310.000	Syd
0250	_ Pedestrian Path, Temp	8007001	300.000	Ft
0260	_ Managed Field Ethernet Switch, Fiber Capable	8007050	6.000	Ea

0270	_ Pedestrian Ramp, Temp	8007050	20.000	Ea
0280	_ Roadside Unit, Intersection	8007050	7.000	Ea
0290	Curb, Conc, Det E2	8020002	90.000	Ft
0300	Curb and Gutter, Conc, Det F4	8020038	881.000	Ft
0310	Detectable Warning Surface	8030010	609.000	Ft
0320	Curb Ramp Opening, Conc	8030030	924.000	Ft
0330	Sidewalk Ramp, Conc, 6 inch	8030036	9,323.000	Sft
0340	Sidewalk, Conc, 4 inch	8030044	2,804.000	Sft
0350	Shared use Path, Grading	8060030	164.000	Ft
0360	Shared use Path, HMA	8060040	31.000	Ton
0370	Fence, Protective	8080007	227.000	Ft
0380	Band, Sign	8100010	8.000	Ea
0390	Post Hole Through Conc for Steel Post	8100340	2.000	Ea
0400	Post, Steel, 3 lb	8100371	226.000	Ft
0410	Sign, Type III, Erect, Salv	8100402	16.000	Ea
0420	Sign, Type III, Rem	8100403	30.000	Ea
0430	Sign, Type IIIA	8100404	26.000	Sft
0440	Sign, Type IIIB	8100405	29.000	Sft
0450	Sign, Type VB	8100425	16.000	Sft
0460	Mast Arm Pole, Cat I	8100510	1.000	Ea
0470	Mast Arm, 30 foot, Cat I	8100522	1.000	Ea
0480	Mast Arm Pole Fdn, 6 Bolt	8100550	13.000	Ft
0490	Mast Arm, Rem	8100560	4.000	Ea
0500	Mast Arm Std, Rem	8100570	4.000	Ea
0510	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	4,340.000	Ft
0520	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	413.000	Ft
0530	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	640.000	Ft
0540	Rem Spec Mrkg	8110343	3,269.000	Sft
0550	Witness, Log, \$1,000.00	8110350	1,000.000	Dir
0560	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0570	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	Ea
0580	Pedestrian Type II Barricade, Temp	8120026	50.000	Ea
0590	Pedestrian Type II Channelizer, Temp	8120027	100.000	Ft
0600	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	100.000	Ea
0610	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	100.000	Ea
0620	Lighted Arrow, Type C, Furn	8120140	10.000	Ea
0630	Lighted Arrow, Type C, Oper	8120141	10.000	Ea
0640	Minor Traf Devices	8120170	1.000	LSUM
0650	Mobile Attenuator	8120180	4.000	Ea
0660	Sign Cover	8120310	100.000	Ea
0670	Sign, Type A, Temp, Prismatic, Furn	8120340	100.000	Sft
0680	Sign, Type A, Temp, Prismatic, Oper	8120341	100.000	Sft
0690	Sign, Type B, Temp, Prismatic, Furn	8120350	4,850.000	Sft

0700	Sign, Type B, Temp, Prismatic, Oper	8120351	4,850.000	Sft
0710	Traf Regulator Control	8120370	1.000	LSUM
0720	_ Temp Tree Protection	8157001	220.000	Ft
0730	Slope Restoration, Type A	8160100	1,548.000	Syd
0740	Cable Pole, TS, Disman	8190010	4.000	Ea
0750	Cable, Rem	8190016	120.000	Ft
0760	Cable, Sec, Rem	8190017	40.000	Ft
0770	Conduit, DB, 1, 1 1/2 inch	8190027	815.000	Ft
0780	Conduit, DB, 1, 3 inch	8190029	81.000	Ft
0790	Conduit, DB, 2, 3 inch	8190032	40.000	Ft
0800	Conduit, DB, 3, 3 inch	8190035	261.000	Ft
0810	Conduit, DB, 4, 3 inch	8190038	101.000	Ft
0820	Conduit, Rem	8190140	590.000	Ft
0830	Hh, Polymer Conc	8190250	28.000	Ea
0840	Hh, Rem	8190254	29.000	Ea
0850	Hh, Round, 3 foot dia	8190259	7.000	Ea
0860	Hh, Round	8190260	38.000	Ea
0870	Cable, Sec, 600V, 1, 3/C#6	8190399	325.000	Ft
0880	Wood Pole, Fit Up, TS Cable Pole	8190501	5.000	Ea
0890	Wood Pole, Rem	8190505	2.000	Ea
0900	Conduit, Directional Bore, 1, 3 inch	8190602	720.000	Ft
0910	_ Cable, P.J., 600V, 1, 4/C#16	8197001	255.000	Ft
0920	_ Conduit, DB, 1, 1 inch	8197001	142.000	Ft
0930	Anchor Guy	8200001	2.000	Ea
0940	Case Sign (LED), Changeable Message, One Way, 24 inch by 30 inch	8200017	1.000	Ea
0950	Case Sign (LED), One Way, 12 inch by 27 inch	8200019	4.000	Ea
0960	Case Sign, Rem	8200020	19.000	Ea
0970	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	14.000	Ea
0980	Controller and Cabinet, Rem	8200030	7.000	Ea
0990	Controller and Cabinet, Digital Type	8200031	7.000	Ea
1000	Case Sign (LED), Disappearing Legend, One Way, 24 inch by 30 inch	8200042	5.000	Ea
1010	Controller Fdn, Base Mount	8200045	7.000	Ea
1020	Controller Fdn, Rem	8200046	1.000	Ea
1030	Fdn, Rem	8200065	14.000	Ea
1040	Flsh Beacon, Controller and Cabinet, Solid State	8200070	1.000	Ea
1050	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	7.000	Ea
1060	Pedestal, Alum	8200100	16.000	Ea
1070	Pedestal, Fdn	8200105	35.000	Ea
1080	Pedestal Fdn, Rem	8200106	21.000	Ea
1090	Pedestal, Rem	8200110	18.000	Ea
1100	Power Co. (Est. Cost to Contractor)	8200116	5,218.000	Dlr
1110	Pushbutton and Sign	8200121	46.000	Ea
1120	Pushbutton, Rem	8200122	16.000	Ea

1130	Pushbutton Pedestal, Alum	8200123	19.000	Ea
1140	Pushbutton Pedestal, Rem	8200124	3.000	Ea
1150	Serv Disconnect	8200135	8.000	Ea
1160	Serv Disconnect, Rem	8200136	3.000	Ea
1170	Span Wire	8200140	27.000	Ea
1180	Span Wire, Rem	8200141	7.000	Ea
1190	Span Wire Tether	8200142	27.000	Ea
1200	Steel Pole, Rem	8200145	10.000	Ea
1210	Guy, Rem	8200167	2.000	Ea
1220	Strut Guy	8200168	2.000	Ea
1230	TS, Mast Arm Mtd, Rem	8200177	12.000	Ea
1240	TS, Pedestal Mtd, Rem	8200179	2.000	Ea
1250	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	29.000	Ea
1260	TS, Pedestrian, Pedestal Mtd, Rem	8200181	18.000	Ea
1270	TS, Span Wire Mtd, Rem	8200182	20.000	Ea
1280	TS, Wireless Link, 5 Gigahertz, Master	8200274	10.000	Ea
1290	TS, Wireless Link, 5 Gigahertz, Remote	8200275	13.000	Ea
1300	TS, One Way Span Wire Mtd (LED)	8200313	54.000	Ea
1310	TS, One Way Span Wire Mtd, FYA (LED)	8200314	2.000	Ea
1320	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	4.000	Ea
1330	TS, One Way Bracket Arm Mtd (LED)	8200333	1.000	Ea
1340	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	9.000	Ea
1350	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	25.000	Ea
1360	TS, One Way Pedestal Mtd (LED)	8200340	2.000	Ea
1370	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	7.000	Ea
1380	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	9.000	Ea
1390	TS, One Way Mast Arm Mtd (LED)	8200359	2.000	Ea
1400	Bracket, Truss, With 18 Foot Arm	8200378	11.000	Ea
1410	Wireless Intercn, Closed Loop, Salv	8200389	3.000	Ea
1420	Wireless Intercn, Closed Loop, Rem	8200396	16.000	Ea
1430	Wireless Vehicle Detection System	8200422	8.000	Ea
1440	Wireless Vehicle Detection System, Rem	8200423	1.000	Ea
1450	Wireless Vehicle Detection System, Salv	8200424	1.000	Ea
1460	Wireless Vehicle Sensor Node	8200425	93.000	Ea
1470	Hemispherical Video Detection Camera	8200444	8.000	Ea
1480	Hemispherical Video Detection System	8200445	7.000	Ea
1490	TS Face, Bag	8200458	80.000	Ea
1500	TS Face, Bag, Rem	8200459	80.000	Ea
1510	Strain Pole, Steel, 6 bolt, 30 foot	8200460	24.000	Ea
1520	Strain Pole, Steel, 6 bolt, 36 foot	8200461	4.000	Ea
1530	Strain Pole Fdn, 6 Bolt	8200470	367.000	Ft
1540	Casing	8200480	279.000	Ft

1550	Cellular Modem, TS, 4G	8200498	7.000	Ea
1560	Backplate, TS	8200501	63.000	Ea
1570	Contractor Staking, Road Only	8240007	1.000	LSUM
1580	Staking Plan Errors and Extras, One Person	8240020	8.000	Hr
1590	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
1600	Staking Plan Errors and Extras, Three Person	8240022	6.000	Hr
1610	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
1620	Lightning Protection, Pole	8260021	7.000	Ea
1630	Managed Field Ethernet Switch, Layer 2	8260080	1.000	Ea
1640	_ Railroad Protection, at Grade Crossing	8507060	4,800.000	Dlr



Schedule of Pay Items

Report v1

Letting Call: 191101 039

Letting Date: November 1, 2019

Contract ID: 31031-201187

Description: 10.17 mi of hot mix asphalt cold milling and resurfacing, aggregate shoulders, guardrail work and pavement markings on M-203 from north of Anthony Street to east of Bear Lake Road in the city of Hancock, Houghton County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201187A	N/A	N/A	M 31031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$172,900.00	1500001	1.000	LSUM
0020	_ Berm Grading	2057002	82.000	Sta
0030	Approach, CI II	3070021	250.000	Ton
0040	Shoulder, CI II	3070121	2,524.000	Ton
0050	Pavt, Cleaning	5010001	1.000	LSUM
0060	Cold Milling HMA Surface	5010002	13,830.000	Syd
0070	HMA Quality Initiative	5010007	30,792.000	Dlr
0080	Longitudinal Joint Density Quality Initiative	5010018	58,230.000	Dlr
0090	HMA Approach	5010061	459.000	Ton
0100	HMA, LVSP	5010703	14,937.000	Ton
0110	Guardrail Height, Adj	8070100	2,500.000	Ft
0120	Guardrail, Reconst, Type B	8070105	950.000	Ft
0130	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	73,000.000	Ft
0140	Pavt Mrkg, Waterborne, 6 inch, White	8110233	106,100.000	Ft
0150	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	73,000.000	Ft
0160	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	106,100.000	Ft
0170	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0180	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0190	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0200	Minor Traf Devices	8120170	1.000	LSUM
0210	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	8,512.000	Ft
0220	Plastic Drum, Fluorescent, Furn	8120252	170.000	Ea
0230	Plastic Drum, Fluorescent, Oper	8120253	170.000	Ea
0240	Sign Cover	8120310	6.000	Ea
0250	Sign, Type B, Temp, Prismatic, Furn	8120350	1,618.000	Sft
0260	Sign, Type B, Temp, Prismatic, Oper	8120351	1,618.000	Sft

0270	Traf Regulator Control	8120370	1.000	LSUM
0280	Slope Restoration, Type A	8160100	1,200.000	Syd
0290	Monument Box Adjust	8210005	70.000	Ea
0300	Centerline Corrugations, Milled, HMA	8220013	49,100.000	Ft
0310	Contractor Staking, Road Only	8240007	1.000	LSUM
0320	Staking Plan Errors and Extras, One Person	8240020	15.000	Hr
0330	Staking Plan Errors and Extras, Two Person	8240021	6.000	Hr
0340	Staking Plan Errors and Extras, Three Person	8240022	9.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 040

Letting Date: November 1, 2019

Contract ID: 37021-204386

Description: 2.06 mi of hot mix asphalt cold milling and resurfacing, concrete driveway, curb, gutter, sidewalk and ramps, aggregate base, drainage, signs, signals and pavement markings on M-20 from Lincoln Road to US-127BR in the city of Mt. Pleasant, Isabella County. This project includes a 3 year and 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204386A	1901203	N/A	ST 37021

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$131,600.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.100	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	Dr Structure, Rem	2030011	3.000	Ea
0060	Curb and Gutter, Rem	2040020	885.000	Ft
0070	Guardrail, Rem	2040035	433.000	Ft
0080	Pavt, Rem	2040050	134.000	Syd
0090	Sidewalk, Rem	2040055	588.000	Syd
0100	Exploratory Investigation, Vertical	2040080	50.000	Ft
0110	Embankment, CIP	2050010	230.000	Cyd
0120	Excavation, Earth	2050016	1,200.000	Cyd
0130	Non Haz Contaminated Material Handling and Disposal, LM	2050031	990.000	Cyd
0140	Erosion Control, Inlet Protection, Fabric Drop	2080020	8.000	Ea
0150	Erosion Control, Inlet Protection, Sediment Trap	2080024	2.000	Ea
0160	Erosion Control, Maintenance, Sediment Removal	2080026	1.000	Cyd
0170	Erosion Control, Silt Fence	2080036	200.000	Ft
0180	Subbase, CIP	3010002	552.000	Cyd
0190	Aggregate Base, LM	3020002	2.000	Cyd
0200	Aggregate Base, 6 inch	3020016	1,034.000	Syd
0210	Sewer, CI E, 12 inch, Tr Det B	4020600	253.000	Ft
0220	Video Taping Sewer and Culv Pipe	4021275	253.000	Ft
0230	Dr Structure Cover, Adj, Case 1	4030005	3.000	Ea
0240	Dr Structure Cover, Type B	4030010	3.000	Ea
0250	Dr Structure Cover, Type G	4030040	1.000	Ea
0260	Dr Structure Cover, Type K	4030050	4.000	Ea

0270	Dr Structure Cover, Type Q	4030065	1.000	Ea
0280	Dr Structure, 24 inch dia	4030200	3.000	Ea
0290	Dr Structure, 48 inch dia	4030210	3.000	Ea
0300	Dr Structure, Temp Lowering	4030390	3.000	Ea
0310	Underdrain, Subbase, 6 inch	4040063	470.000	Ft
0320	Underdrain Outlet, 6 inch	4040093	30.000	Ft
0330	Cold Milling HMA Surface	5010002	57,359.000	Syd
0340	HMA Surface, Rem	5010005	400.000	Syd
0350	HMA Quality Initiative	5010007	11,870.000	Dlr
0360	Longitudinal Joint Density Quality Initiative	5010018	37,790.000	Dlr
0370	Pavt Joint and Crack Repr, Det 7	5010020	6,831.000	Ft
0380	Pavt Joint and Crack Repr, Det 8	5010021	3,415.000	Ft
0390	Hand Patching	5010025	684.000	Ton
0400	HMA Approach	5010061	203.000	Ton
0410	HMA, 5E3, High Stress	5010515	4,975.000	Ton
0420	HMA Approach, High Stress	5010520	73.000	Ton
0430	Conc, Grade S2	7060011	3.000	Cyd
0440	Driveway, Nonreinf Conc, 6 inch	8010005	36.000	Syd
0450	Curb, Conc, Det E2	8020002	74.000	Ft
0460	Curb and Gutter, Conc, Det C4	8020023	490.000	Ft
0470	Driveway Opening, Conc, Det M	8020050	67.000	Ft
0480	Detectable Warning Surface	8030010	148.000	Ft
0490	Curb Ramp Opening, Conc	8030030	379.000	Ft
0500	Sidewalk Ramp, Conc, 4 inch	8030034	2,213.000	Sft
0510	Sidewalk, Conc, 4 inch	8030044	3,572.000	Sft
0520	Sidewalk, Conc, 6 inch	8030046	270.000	Sft
0530	Sidewalk, Clay Brick Pavers	8030050	40.000	Sft
0540	_ Brick Pavers, Rem	8037010	103.000	Sft
0550	_ Sidewalk, Brick Pavers on Aggregate and Sand Bed	8037010	62.000	Sft
0560	Guardrail, Type MGS-8	8070004	375.000	Ft
0570	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0580	Guardrail Departing Terminal, Type MGS	8070052	2.000	Ea
0590	Guardrail Reflector	8070080	12.000	Ea
0600	Guardrail, Reconst, Type B	8070105	200.000	Ft
0610	Band, Sign	8100010	4.000	Ea
0620	Delineator Reflector, Green	8100133	4.000	Ea
0630	Post, Rigid, Delineator	8100361	4.000	Ea
0640	Post, Steel, 3 lb	8100371	81.000	Ft
0650	Sign, Type II, Rem	8100397	2.000	Ea
0660	Sign, Type IIA	8100398	14.000	Sft
0670	Sign, Type IIB	8100399	10.000	Sft
0680	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0690	Sign, Type III, Rem	8100403	6.000	Ea
0700	Sign, Type IIIA	8100404	14.000	Sft
0710	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	25.000	Ea

0720	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	11.000	Ea
0730	Pavt Mrkg, Ovly Cold Plastic, School	8110074	2.000	Ea
0740	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	8110078	8.000	Ea
0750	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	1,005.000	Ft
0760	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	400.000	Ft
0770	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	386.000	Ft
0780	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	3,090.000	Ft
0790	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	23,960.000	Ft
0800	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	14,000.000	Ft
0810	Rem Spec Mrkg	8110343	199.000	Sft
0820	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0830	Recessing Pavt Mrkg, Longit	8110450	41,050.000	Ft
0840	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0850	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	Ea
0860	Pedestrian Type II Barricade, Temp	8120026	30.000	Ea
0870	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0880	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0890	Ltg for Night Work	8120160	1.000	LSUM
0900	Minor Traf Devices \$43,800.00	8120170	1.000	LSUM
0910	Mobile Attenuator	8120180	1.000	Ea
0920	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,000.000	Ft
0930	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	540.000	Ft
0940	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	870.000	Ft
0950	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	90.000	Ft
0960	Plastic Drum, Fluorescent, Furn	8120252	250.000	Ea
0970	Plastic Drum, Fluorescent, Oper	8120253	250.000	Ea
0980	Sign Cover	8120310	6.000	Ea
0990	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
1000	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
1010	Sign, Type A, Temp, Prismatic, Furn	8120340	218.000	Sft
1020	Sign, Type A, Temp, Prismatic, Oper	8120341	218.000	Sft
1030	Sign, Type B, Temp, Prismatic, Furn	8120350	1,717.000	Sft
1040	Sign, Type B, Temp, Prismatic, Oper	8120351	1,717.000	Sft
1050	Traf Regulator Control \$21,900.00	8120370	1.000	LSUM
1060	_ Turf Establishment, Performance	8167011	600.000	Syd
1070	Cable, Rem	8190016	2,420.000	Ft
1080	Conduit, DB, 1, 1 1/2 inch	8190027	45.000	Ft
1090	Conduit, DB, 3, 3 inch	8190035	10.000	Ft
1100	Conduit, Rem	8190140	20.000	Ft
1110	Hh, Adj	8190244	3.000	Ea
1120	Hh, Rem	8190254	1.000	Ea
1130	Hh, Replace Frame and Cover	8190258	1.000	Ea

1140	Hh, Round	8190260	1.000	Ea
1150	_ Cable, P.J., 600V, 1, 7/C#16	8197001	710.000	Ft
1160	_ Cable, Shielded, 600V, 1, 2/C#16	8197001	1,525.000	Ft
1170	Fdn, Rem	8200065	1.000	Ea
1180	Pedestal, Fdn	8200105	2.000	Ea
1190	Pedestal Fdn, Rem	8200106	1.000	Ea
1200	Pedestal, Rem	8200110	1.000	Ea
1210	Pushbutton Pedestal, Alum	8200123	2.000	Ea
1220	Push Button Station and Sign	8200128	2.000	Ea
1230	Push Button Station, Rem	8200129	2.000	Ea
1240	Span Wire	8200140	5.000	Ea
1250	Span Wire, Rem	8200141	5.000	Ea
1260	Steel Pole, Rem	8200145	1.000	Ea
1270	TS, 4th Level Arrow, Rem	8200176	2.000	Ea
1280	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	1.000	Ea
1290	TS, Span Wire Mtd, Rem	8200182	11.000	Ea
1300	TS, One Way Span Wire Mtd, Salv	8200191	3.000	Ea
1310	TS, One Way Span Wire Mtd (LED)	8200313	6.000	Ea
1320	TS, One Way Span Wire Mtd, FYA (LED)	8200314	1.000	Ea
1330	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	1.000	Ea
1340	TS, 4th Level, LTGA (LED)	8200329	2.000	Ea
1350	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	1.000	Ea
1360	Wireless Vehicle Sensor Node	8200425	5.000	Ea
1370	Wireless Vehicle Sensor Node, Rem	8200426	1.000	Ea
1380	Case Sign, Non-Illuminated, Rem	8200432	2.000	Ea
1390	Case Sign, One Way, 24 inch by 30 inch, Non- Illuminated	8200434	2.000	Ea
1400	TS Face, Bag	8200458	6.000	Ea
1410	TS Face, Bag, Rem	8200459	6.000	Ea
1420	Strain Pole, Steel, 6 bolt, 30 foot	8200460	1.000	Ea
1430	Strain Pole Fdn, 6 Bolt	8200470	15.000	Ft
1440	Casing	8200480	15.000	Ft
1450	Monument Box	8210001	1.000	Ea
1460	Monument Box Adjust	8210005	1.000	Ea
1470	Monument Preservation	8210010	6.000	Ea
1480	Monument Preservation, Vertical	8210015	1.000	Ea
1490	Protect Corners	8210020	8.000	Ea
1500	Gate Box, Adj, Case 1	8230431	2.000	Ea
1510	Gate Box, Adj, Case 2	8230432	3.000	Ea
1520	_ Railroad Inspection and Flagging	8507060	9,000.000	Dir
1530	_ Railroad Protection	8507060	10,000.000	Dir



Schedule of Pay Items

Report v1

Letting Call: 191101 041

Letting Date: November 1, 2019

Contract ID: 54031-204755

Description: 15.44 mi of hot mix asphalt cold milling and shoulder paving, aggregate shoulders, overband crack fill, chip seal, fog seal and pavement markings on M-66 from north of M-46 to south of Church Street and from north of 20 Mile Road to south of the north Mecosta county line, Montcalm and Mecosta Counties. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204755A	1901122	N/A	ST 54031

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$126,000.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	4,063.000	Ton
0030	Trenching	3070200	76.000	Sta
0040	Cold Milling HMA Surface	5010002	10,018.000	Syd
0050	HMA Quality Initiative	5010007	4,810.000	Dlr
0060	Hand Patching	5010025	5.000	Ton
0070	HMA, LVSP	5010703	2,400.000	Ton
0080	Overband Crack Fill, Lane	5020003	31.540	Lnmi
0090	Chip Seal, Single, Warranty	5050040	293,622.000	Syd
0100	_ Seal, Fog	5057011	293,622.000	Syd
0110	Curb Sloped, HMA	8050010	6,322.000	Ft
0120	Delineator Reflector, Green	8100133	112.000	Ea
0130	Delineator, Rem	8100349	7.000	Ea
0140	Post, Rigid, Delineator	8100361	112.000	Ea
0150	Pavt Mrkg, Waterborne, 4 inch, White	8110231	630.000	Ft
0160	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	73,825.000	Ft
0170	Pavt Mrkg, Waterborne, 6 inch, White	8110233	165,093.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	630.000	Ft
0190	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	73,825.000	Ft
0200	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	165,093.000	Ft
0210	_ Traf Control	8127051	1.000	LSUM
0220	Riprap, Plain	8130010	40.000	Syd
0230	Paved Ditch, HMA	8140010	140.000	Syd
0240	Slope Restoration, Type B	8160101	4,215.000	Syd
0250	Monument Box	8210001	6.000	Ea
0260	Monument Preservation	8210010	6.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 042

Letting Date: November 1, 2019

Contract ID: 82701-201433-2

Description: 1.50 mi of hot mix asphalt cold milling and resurfacing, pavement repair, concrete curb, gutter and sidewalk ramps and pavement markings on Oakway Drive from Portage Way to Lakeside Drive, on Central Avenue from Portage Way to Lakeside Drive and on Vista Drive from Lotter Way to the Strand on Belle Isle in the city of Detroit, Wayne County. This project includes two 3 year materials and workmanship pavement warranties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201433A	N/A	N/A	M 82701

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 \$54,600.00	1500001	1.000	LSUM
0030	Curb, Rem	2040021	125.000	Ft
0040	Sidewalk, Rem	2040055	64.000	Syd
0050	Embankment, CIP	2050010	25.000	Cyd
0060	Excavation, Earth	2050016	40.000	Cyd
0070	Erosion Control, Inlet Protection, Fabric Drop	2080020	10.000	Ea
0080	Trenching	3070200	3.000	Sta
0090	Dr Structure Cover, Adj, Case 1, Modified	4030004	5.000	Ea
0100	Dr Structure, Cleaning	4030290	10.000	Ea
0110	Cold Milling HMA Surface	5010002	10,216.000	Syd
0120	Bump Grinding	5010004	250.000	Syd
0130	HMA Quality Initiative	5010007	4,986.000	Dlr
0140	Pavt for Butt Joints, Rem	5010008	193.000	Syd
0150	Longitudinal Joint Density Quality Initiative	5010018	7,656.000	Dlr
0160	Pavt Joint and Crack Repr, Det 8	5010021	1,856.000	Ft
0170	Hand Patching	5010025	318.000	Ton
0180	HMA Approach	5010061	320.000	Ton
0190	HMA, LVSP	5010703	1,855.000	Ton
0200	Curb, Conc, Det E2	8020002	125.000	Ft
0210	Detectable Warning Surface	8030010	20.000	Ft
0220	Curb Ramp Opening, Conc	8030030	20.000	Ft
0230	Sidewalk Ramp, Conc, 4 inch	8030034	300.000	Sft
0240	Sidewalk, Conc, 4 inch	8030044	275.000	Sft
0250	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	200.000	Ft
0260	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	100.000	Ft

0270	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	1,250.000	Ft
0280	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	10,000.000	Ft
0290	Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, White	8110212	1,500.000	Ft
0300	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0310	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	49.000	Ea
0320	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	49.000	Ea
0330	Pedestrian Type II Barricade, Temp	8120026	8.000	Ea
0340	Minor Traf Devices	8120170	1.000	LSUM
0350	Plastic Drum, Fluorescent, Furn	8120252	28.000	Ea
0360	Plastic Drum, Fluorescent, Oper	8120253	28.000	Ea
0370	Sign Cover	8120310	13.000	Ea
0380	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0390	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0400	Sign, Type B, Temp, Prismatic, Furn	8120350	650.000	Sft
0410	Sign, Type B, Temp, Prismatic, Oper	8120351	650.000	Sft
0420	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	48.000	Sft
0430	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	48.000	Sft
0440	Traf Regulator Control	8120370	1.000	LSUM
0450	Slope Restoration, Type A	8160100	2,255.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 191101 043

Letting Date: November 1, 2019

Contract ID: 33084-204189

Description: 5.75 mi of micro-surface application, aggregate shoulder upgrade, overband crack filling and pavement markings on I-96 at the US-127 interchange in the city of Lansing, Ingham County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204189A	1901195	N/A	IM 33084

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$69,300.00	1500001	1.000	LSUM
0020	Project Cleanup	2090001	1.000	LSUM
0030	Shoulder, CI II	3070121	2,064.000	Ton
0040	Overband Crack Fill, Ramp	5020004	3.440	Lnmi
0050	Micro-Surface, Warranty	5040030	133,700.000	Syd
0060	Pavt Mrkg, Waterborne, 4 inch, White	8110231	5,239.000	Ft
0070	Pavt Mrkg, Waterborne, 6 inch, White	8110233	30,349.000	Ft
0080	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	30,349.000	Ft
0090	Pavt Mrkg, Waterborne, 12 inch, White	8110237	5,770.000	Ft
0100	Pavt Mrkg, Waterborne, 12 inch, Yellow	8110238	1,140.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	5,239.000	Ft
0120	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	30,349.000	Ft
0130	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	30,349.000	Ft
0140	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	5,770.000	Ft
0150	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, Yellow	8110258	1,140.000	Ft
0160	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0170	Barricade, Type III, High Intensity, Lighted, Furn	8120022	10.000	Ea
0180	Barricade, Type III, High Intensity, Lighted, Oper	8120023	10.000	Ea
0190	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	300.000	Ea
0200	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	300.000	Ea
0210	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0220	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0230	Ltg for Night Work	8120160	1.000	LSUM
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	65,938.000	Ft
0260	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	35,589.000	Ft

0270	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	30,349.000	Ft
0280	Plastic Drum, Fluorescent, Furn	8120252	100.000	Ea
0290	Plastic Drum, Fluorescent, Oper	8120253	100.000	Ea
0300	Sign Cover	8120310	20.000	Ea
0310	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	8.000	Ea
0320	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	8.000	Ea
0330	Sign, Type A, Temp, Prismatic, Furn	8120340	25.000	Sft
0340	Sign, Type A, Temp, Prismatic, Oper	8120341	25.000	Sft
0350	Sign, Type B, Temp, Prismatic, Furn	8120350	2,130.000	Sft
0360	Sign, Type B, Temp, Prismatic, Oper	8120351	2,130.000	Sft
0370	Shoulder Corrugations, Ground or Cut, HMA	8220001	41,913.000	Ft



Schedule of Pay Items

Report v1

Letting Call: 191101 044

Letting Date: November 1, 2019

Contract ID: 11052-206713

Description: Traffic signal modernization and pavement markings on M-139 at Red Bud Trail, Berrien County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
206713A	N/A	N/A	M 11052

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$26,900.00	1500001	1.000	LSUM
0020	Pavt, Rem	2040050	50.000	Syd
0030	Exploratory Investigation, Vertical	2040080	20.000	Ft
0040	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
0050	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0060	Erosion Control, Maintenance, Sediment Removal	2080026	2.000	Cyd
0070	Erosion Control, Silt Fence	2080036	25.000	Ft
0080	Maintenance Gravel, LM	3060021	20.000	Cyd
0090	Obstruction Removal	7180100	2,000.000	Dlr
0100	_ Managed Field Ethernet Switch, Fiber Capable	8007050	1.000	Ea
0110	_ Roadside Unit, Intersection	8007050	1.000	Ea
0120	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	362.000	Ft
0130	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	170.000	Ft
0140	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	200.000	Ft
0150	Rem Spec Mrkg	8110343	660.000	Sft
0160	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	8.000	Ea
0170	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	8.000	Ea
0180	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0190	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0200	Minor Traf Devices	8120170	1.000	LSUM
0210	Plastic Drum, Fluorescent, Furn	8120252	80.000	Ea
0220	Plastic Drum, Fluorescent, Oper	8120253	80.000	Ea
0230	Sign Cover	8120310	10.000	Ea
0240	Sign, Type B, Temp, Prismatic, Furn	8120350	944.000	Sft
0250	Sign, Type B, Temp, Prismatic, Oper	8120351	944.000	Sft
0260	Traf Regulator Control	8120370	1.000	LSUM
0270	Conduit, DB, 1, 1 1/2 inch	8190027	160.000	Ft

0280	Conduit, DB, 3, 3 inch	8190035	30.000	Ft
0290	Conduit, DB, 4, 3 inch	8190038	10.000	Ft
0300	Conduit, Directional Bore, 1 inch	8190040	108.000	Ft
0310	Conduit, Directional Bore, 2 inch	8190042	142.000	Ft
0320	Hh, Polymer Conc	8190250	2.000	Ea
0330	Hh, Round, 3 foot dia	8190259	1.000	Ea
0340	Hh, Round	8190260	7.000	Ea
0350	Cable, Sec, 600V, 1, 3/C#6	8190399	30.000	Ft
0360	Wood Pole, Cl 4, 30 foot	8190471	2.000	Ea
0370	_ Conduit, DB, 1, 1 inch	8197001	20.000	Ft
0380	Case Sign, Rem	8200020	1.000	Ea
0390	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	2.000	Ea
0400	Controller and Cabinet, Rem	8200030	1.000	Ea
0410	Controller Fdn, Base Mount	8200045	1.000	Ea
0420	Fish Beacon, Controller and Cabinet, Solid State	8200070	2.000	Ea
0430	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	1.000	Ea
0440	Power Co. (Est. Cost to Contractor)	8200116	7,970.000	Dir
0450	Serv Disconnect	8200135	3.000	Ea
0460	Serv Disconnect, Rem	8200136	1.000	Ea
0470	Span Wire	8200140	4.000	Ea
0480	Span Wire, Rem	8200141	1.000	Ea
0490	Span Wire Tether	8200142	4.000	Ea
0500	TS, Span Wire Mtd, Rem	8200182	2.000	Ea
0510	Cabinet, NEMA Type	8200186	1.000	Ea
0520	Warning Sign	8200260	2.000	Ea
0530	TS, One Way Span Wire Mtd (LED)	8200313	8.000	Ea
0540	TS, One Way Bracket Arm Mtd (LED)	8200333	2.000	Ea
0550	Bracket, Truss, With 18 Foot Arm	8200378	3.000	Ea
0560	Hemispherical Video Detection Camera	8200444	1.000	Ea
0570	Hemispherical Video Detection System	8200445	1.000	Ea
0580	Strain Pole, Steel, 6 bolt, 30 foot	8200460	1.000	Ea
0590	Strain Pole, Steel, 6 bolt, 36 foot	8200461	3.000	Ea
0600	Strain Pole Fdn, 6 Bolt	8200470	60.000	Ft
0610	Casing	8200480	46.000	Ft
0620	Cellular Modem, TS, 4G	8200498	1.000	Ea
0630	Backplate, TS	8200501	10.000	Ea
0640	Radar Vehicle Dilemma Zone Detector System	8200520	1.000	Ea
0650	Radar Vehicle Dilemma Zone Detector Sensor	8200523	2.000	Ea
0660	_ Controller, NEMA, ATC Type	8207050	1.000	Ea
0670	Contractor Staking, Road Only	8240007	1.000	LSUM
0680	Staking Plan Errors and Extras, One Person	8240020	2.000	Hr
0690	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0700	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr
0710	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
0720	Lightning Protection, Pole	8260021	1.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 045

Letting Date: November 1, 2019

Contract ID: 23041-204194

Description: 16.32 mi of single chip seal with fog seal and underdrain cleanout on M-43 from M-66 to east of Timber Creek Road in the cities of Sunfield, Mulliken and Grand Ledge, Eaton County. This project includes a 2 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204194A	1901181	N/A	ST 23041

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$107,300.00	1500001	1.000	LSUM
0020	Shoulder, CI II	3070121	2,000.000	Ton
0030	_ Underdrain Outlet Cleanout	4047050	320.000	Ea
0040	Pavt, Cleaning	5010001	1.000	LSUM
0050	_ Seal, Fog	5017011	325,000.000	Syd
0060	Overband Crack Fill, Lane	5020003	33.000	Lnmi
0070	Chip Seal, Single, Warranty	5050040	325,000.000	Syd
0080	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	50,000.000	Ft
0090	Pavt Mrkg, Waterborne, 6 inch, White	8110233	173,000.000	Ft
0100	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	50,000.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	173,000.000	Ft
0120	Witness, Log, \$1,000.00	8110350	1.000	Dlr
0130	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	100.000	Ea
0140	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	100.000	Ea
0150	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0160	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0170	Minor Traf Devices	8120170	1.000	LSUM
0180	Mobile Attenuator	8120180	1.000	Ea
0190	Plastic Drum, Fluorescent, Furn	8120252	50.000	Ea
0200	Plastic Drum, Fluorescent, Oper	8120253	50.000	Ea
0210	Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional	8120281	6,020.000	Ea
0220	Sign Cover	8120310	20.000	Ea
0230	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0240	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0250	Sign, Type B, Temp, Prismatic, Furn	8120350	410.000	Sft
0260	Sign, Type B, Temp, Prismatic, Oper	8120351	410.000	Sft

0270

Traf Regulator Control

8120370

1.000

LSUM



Schedule of Pay Items

Report v1

Letting Call: 191101 046

Letting Date: November 1, 2019

Contract ID: 13045-204935

Description: Construction of new pedestrian bridge including removal of deficient sidewalk and approach work over the Kalamazoo River at M-227 in the city of Marshall, Calhoun County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204935A	N/A	N/A	M 13045

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$67,900.00	1500001	1.000	LSUM
0020	Thinning, Selective, Type I	2010005	0.100	Acre
0030	Curb and Gutter, Rem	2040020	20.000	Ft
0040	Fence, Rem	2040025	37.000	Ft
0050	Guardrail, Rem	2040035	166.000	Ft
0060	Sidewalk, Rem	2040055	89.000	Syd
0070	Exploratory Investigation, Vertical	2040080	100.000	Ft
0080	_ Guide Curb, Rem	2047001	376.000	Ft
0090	_ Post, Wood Guide, Rem	2047050	9.000	Ea
0100	Embankment, CIP	2050010	63.000	Cyd
0110	Excavation, Earth	2050016	15.000	Cyd
0120	Erosion Control, Gravel Access Approach	2080016	1.000	Ea
0130	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0140	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0150	Erosion Control, Sediment Trap	2080034	1.000	Ea
0160	Erosion Control, Silt Fence	2080036	604.000	Ft
0170	_ Permeable Runoff Structure	2087001	35.000	Ft
0180	Project Cleanup	2090001	1.000	LSUM
0190	Subbase, CIP	3010002	5.000	Cyd
0200	Joint, Expansion, E3	6020208	10.000	Ft
0210	Curb and Gutter, Conc, Det F4	8020038	20.000	Ft
0220	Sidewalk, Conc, 4 inch	8030044	378.000	Sft
0230	Guardrail, Type MGS-8	8070004	56.000	Ft
0240	Guardrail Anch, Bridge, Det T1	8070022	2.000	Ea
0250	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0260	Guardrail Reflector	8070080	4.000	Ea
0270	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,300.000	Ft
0280	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,300.000	Ft

0290	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
0300	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
0310	Pedestrian Type II Barricade, Temp	8120026	8.000	Ea
0320	Minor Traf Devices	8120170	1.000	LSUM
0330	Mobile Attenuator	8120180	1.000	Ea
0340	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,400.000	Ft
0350	Plastic Drum, Fluorescent, Furn	8120252	50.000	Ea
0360	Plastic Drum, Fluorescent, Oper	8120253	50.000	Ea
0370	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	24.000	Ft
0380	PTS System, Temp, Furn	8120270	1.000	Ea
0390	PTS System, Temp, Oper	8120271	1.000	Ea
0400	Sign Cover	8120310	2.000	Ea
0410	Sign, Portable, Changeable Message, Furn	8120330	3.000	Ea
0420	Sign, Portable, Changeable Message, Oper	8120331	3.000	Ea
0430	Sign, Type A, Temp, Prismatic, Furn	8120340	81.000	Sft
0440	Sign, Type A, Temp, Prismatic, Oper	8120341	81.000	Sft
0450	Sign, Type B, Temp, Prismatic, Furn	8120350	722.000	Sft
0460	Sign, Type B, Temp, Prismatic, Oper	8120351	722.000	Sft
0470	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	148.000	Sft
0480	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	148.000	Sft
0490	_ Driveway Assistance Device, Portable, Temporary	8127050	1.000	Ea
0500	_ Slope Restoration, Bonded Fiber Matrix	8167011	166.000	Syd
0510	Contractor Staking	8240001	1.000	LSUM
0520	Staking Plan Errors and Extras, One Person	8240020	6.000	Hr
0530	Staking Plan Errors and Extras, Two Person	8240021	3.000	Hr
0540	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr

Section: 2

0550	Structures, Rem Portions (B01 of 13045)	2040061	1.000	LSUM
0560	_ Boardwalk Remove and Replace	2047051	1.000	LSUM
0570	Backfill, Structure, CIP	2060002	40.000	Cyd
0580	Excavation, Fdn	2060010	90.000	Cyd
0590	Steel Sheet Piling, Permanent	7040001	1,352.000	Sft
0600	Pile Driving Equipment, Furn (N01 of 13045)	7050002	1.000	LSUM
0610	Pile, Steel, Furn and Driven, 12 inch	7050030	80.000	Ft
0620	Test Pile, Steel, 12 inch	7050031	2.000	Ea
0630	Pile, Galv (N01 of 13045)	7050038	1.000	LSUM
0640	Pile Point, Steel	7050039	4.000	Ea
0650	Bridge Ltg, Furn and Rem (N01 of 13045)	7060001	1.000	LSUM
0660	Bridge Ltg, Oper and Maintain	7060002	33.000	Cyd
0670	Expansion Joint Device, Cover Plate	7060051	20.000	Ft
0680	Reinforcement, Steel, Epoxy Coated	7060092	5,388.000	Lb
0690	Substructure Conc, High Performance	7060101	12.000	Cyd

0700	Superstructure Conc, Form, Finish, and Cure, Night Casting (N01 of 13045)	7060112	1.000	LSUM
0710	Superstructure Conc, Night Casting, High Performance	7060117	33.000	Cyd
0720	Structural Steel, Mixed, Erect	7070050	1,960.000	Lb
0730	Structural Steel, Mixed, Furn and Fab	7070051	1,960.000	Lb
0740	Steel Pedestrian Bridge, Type 2, Furn and Fab	7070081	1.000	Ea
0750	Steel Pedestrian Bridge, Type 2, Erect	7070086	1.000	Ea
0760	Joint Waterproofing	7100001	23.000	Sft
0770	_ Fence, Decorative with conc footer, 48 inch	8087001	59.000	Ft
0780	Slope Paving, Conc	8130020	45.000	Syd
0790	Conduit, Rem	8190140	20.000	Ft
0800	Conduit, Schedule 80 PVC, 3 inch	8190159	20.000	Ft
0810	_ Cable, Install Salv	8197001	60.000	Ft

Schedule of Pay Items

Report v1

Letting Call: 191101 047

Letting Date: November 1, 2019

Contract ID: 30011-200999

Description: 1.00 mi of hot mix asphalt cold milling and resurfacing, concrete pavement and sidewalk ramps, drainage structure adjustment and pavement markings on M-49 from the south city limits to the north city limits in the city of Reading, Hillsdale County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
200999A	1901210	N/A	ST 30011

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$46,400.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	100.000	Ft
0030	Pavt, Rem	2040050	24.000	Syd
0040	Sidewalk, Rem	2040055	36.000	Syd
0050	Erosion Control, Inlet Protection, Fabric Drop	2080020	21.000	Ea
0060	Aggregate Base, 4 inch	3020010	92.000	Syd
0070	_ Dr Structure Cover, Adj, Case 1, Modified	4037050	19.000	Ea
0080	Pavt, Cleaning	5010001	1.000	LSUM
0090	Cold Milling HMA Surface	5010002	29,000.000	Syd
0100	HMA Quality Initiative	5010007	4,800.000	Dir
0110	Pavt for Butt Joints, Rem	5010008	600.000	Syd
0120	Longitudinal Joint Density Quality Initiative	5010018	9,000.000	Dir
0130	Hand Patching	5010025	3.000	Ton
0140	HMA, 5E1	5010056	2,047.000	Ton
0150	HMA Approach	5010061	350.000	Ton
0160	Conc Base Cse, Nonreinf, 6 inch	6020015	24.000	Syd
0170	Curb Ramp Opening, Conc	8030030	100.000	Ft
0180	Sidewalk Ramp, Conc, 6 inch	8030036	780.000	Sft
0190	_ Detectable Warning Surface, Cast Iron	8037001	44.000	Ft
0200	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	1,400.000	Ft
0210	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	860.000	Ft
0220	Pavt Mrkg, Ovly Cold Plastic, School	8110074	1.000	Ea
0230	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	5,000.000	Ft
0240	Pavt Mrkg, Waterborne, 6 inch, White	8110233	11,000.000	Ft
0250	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	5,000.000	Ft
0260	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	11,000.000	Ft
0270	Witness, Log, \$1,000.00	8110350	1,000.000	Dir

0280	Pavt Mrkg, Waterborne, For On-Street Parking, 4 inch, White	8110425	200.000	Ft
0290	Pedestrian Type II Barricade, Temp	8120026	8.000	Ea
0300	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	100.000	Ea
0310	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	100.000	Ea
0320	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0330	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0340	Minor Traf Devices	8120170	1.000	LSUM
0350	Mobile Attenuator	8120180	1.000	Ea
0360	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	18,000.000	Ft
0370	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	3,100.000	Ft
0380	Plastic Drum, Fluorescent, Furn	8120252	30.000	Ea
0390	Plastic Drum, Fluorescent, Oper	8120253	30.000	Ea
0400	Sign Cover	8120310	10.000	Ea
0410	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0420	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0430	Sign, Type B, Temp, Prismatic, Furn	8120350	660.000	Sft
0440	Sign, Type B, Temp, Prismatic, Oper	8120351	660.000	Sft
0450	Traf Regulator Control	8120370	1.000	LSUM
0460	Monument Box	8210001	3.000	Ea
0470	Monument Preservation	8210010	3.000	Ea
0480	Monument Preservation, Vertical	8210015	1.000	Ea
0490	Gate Box, Adj, Temp, Case 1	8230391	12.000	Ea



10/10/2019 4:18 PM

AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 048**Letting Date:** November 1, 2019**Contract ID:** 58052-201875

Description: 0.11 mi of hot mix asphalt paving, concrete driveway, curb and gutter, sewer, water main, signing and pavement markings on US-24 at Yargerville Road, Monroe 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
201875A	1901190	N/A	HSIP 58052

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$42,800.00	1500001	1.000	LSUM
0020	Clearing	2010001	0.250	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	1.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	17.000	Ea
0050	Dr Structure, Rem	2030011	2.000	Ea
0060	Sewer, Rem, Less than 24 inch	2030015	150.000	Ft
0070	Curb and Gutter, Rem	2040020	302.000	Ft
0080	Embankment, CIP	2050010	600.000	Cyd
0090	Excavation, Earth	2050016	1,310.000	Cyd
0100	Obliterate Old Road	2070001	3.000	Sta
0110	Erosion Control, Check Dam, Stone	2080012	114.000	Ft
0120	Erosion Control, Inlet Protection, Fabric Drop	2080020	13.000	Ea
0130	Erosion Control, Inlet Protection, Sediment Trap	2080024	4.000	Ea
0140	Erosion Control, Maintenance, Sediment Removal	2080026	5.000	Cyd
0150	Erosion Control, Silt Fence	2080036	2,500.000	Ft
0160	Project Cleanup	2090001	1.000	LSUM
0170	Aggregate Base, 6 inch	3020016	266.000	Syd
0180	Aggregate Base, 12 inch	3020030	2,704.000	Syd
0190	Maintenance Gravel, LM	3060021	75.000	Cyd
0200	Approach, CI II, 6 inch	3070028	43.000	Syd
0210	Shoulder, CI II, 6 inch	3070128	148.000	Syd
0220	Culv End Sect, 18 inch	4010018	1.000	Ea
0230	Sewer, CI A, 12 inch, Tr Det A	4020004	195.000	Ft
0240	Sewer, CI A, 18 inch, Tr Det A	4020006	16.000	Ft
0250	Sewer, CI A, 12 inch, Tr Det B	4020033	159.000	Ft
0260	Sewer, CI A, 18 inch, Tr Det B	4020035	8.000	Ft
0270	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea

0280	Dr Structure Cover, Type E	4030035	3.000	Ea
0290	Dr Structure Cover, Type G	4030040	3.000	Ea
0300	Dr Structure Cover, Type J	4030045	1.000	Ea
0310	Dr Structure, 48 inch dia	4030210	5.000	Ea
0320	Underdrain, Subgrade, 6 inch	4040073	750.000	Ft
0330	Underdrain Outlet, 6 inch	4040093	30.000	Ft
0340	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
0350	HMA Surface, Rem	5010005	2,718.000	Syd
0360	HMA Quality Initiative	5010007	1,776.000	Dlr
0370	HMA Approach	5010061	888.000	Ton
0380	Driveway, Nonreinf Conc, 6 inch	8010005	204.000	Syd
0390	Curb and Gutter, Conc, Det B2	8020016	334.000	Ft
0400	Fence, Woven Wire with Steel Post	8080002	120.000	Ft
0410	Post, Steel, 3 lb	8100371	664.000	Ft
0420	Post, Wood, 4 inch by 6 inch	8100380	186.000	Ft
0430	Post, Wood, 6 inch by 8 inch	8100382	14.000	Ft
0440	Sign, Type II, Rem	8100397	6.000	Ea
0450	Sign, Type IIA	8100398	72.000	Sft
0460	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0470	Sign, Type III, Rem	8100403	22.000	Ea
0480	Sign, Type IIIA	8100404	27.000	Sft
0490	Sign, Type IIIB	8100405	267.000	Sft
0500	Sign, Type VB	8100425	14.000	Sft
0510	Reflective Panel for Permanent Sign Support, 6 foot	8100616	10.000	Ea
0520	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	60.000	Ft
0530	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	1.000	Ea
0540	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,700.000	Ft
0550	Pavt Mrkg, Waterborne, 6 inch, White	8110233	1,700.000	Ft
0560	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,700.000	Ft
0570	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	1,700.000	Ft
0580	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0590	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0600	Minor Traf Devices	8120170	1.000	LSUM
0610	Plastic Drum, Fluorescent, Furn	8120252	50.000	Ea
0620	Plastic Drum, Fluorescent, Oper	8120253	50.000	Ea
0630	Sign Cover	8120310	5.000	Ea
0640	Sign, Type B, Temp, Prismatic, Furn	8120350	800.000	Sft
0650	Sign, Type B, Temp, Prismatic, Oper	8120351	800.000	Sft
0660	_ Driveway Maintenance	8127050	4.000	Ea
0670	Abies concolor, 5 foot	8150029	5.000	Ea
0680	Picea omorika, 5 foot	8152787	5.000	Ea
0690	Slope Restoration, Type A	8160100	4,000.000	Syd
0700	Slope Restoration, Type B	8160101	1,000.000	Syd

0710	Gate Valve and Box, 8 inch	8230052	2.000	Ea
0720	Water Main, DI, 8 inch, Tr Det F	8230155	301.000	Ft
0730	Water Main, DI, 8 inch, Tr Det G	8230156	54.000	Ft
0740	Water Serv, Long	8230245	2.000	Ea
0750	Water Shutoff, Adj, Case 2	8230422	1.000	Ea
0760	Gate Box, Adj, Case 2	8230432	2.000	Ea
0770	Contractor Staking, Road Only	8240007	1.000	LSUM
0780	Staking Plan Errors and Extras, One Person	8240020	3.000	Hr
0790	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0800	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 049

Letting Date: November 1, 2019

Contract ID: 46062-204088

Description: 2.12 mi of paver placed surface seal, centerline and shoulder corrugations, shoulder gravel and pavement markings on US-223 from the Indiana and Ohio Railroad southeasterly to the east Lenawee county line, Lenawee County. This project includes a 3 year pavement performance warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
204088A	1901212	N/A	ST 46062

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$38,200.00	1500001	1.000	LSUM
0020	Pavt, Rem	2040050	31.000	Syd
0030	_ Machine Grading, Special	2057011	53.000	Syd
0040	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0050	Aggregate Base	3020001	6.000	Ton
0060	Shoulder, CI II	3070121	699.000	Ton
0070	Pavt, Cleaning	5010001	1.000	LSUM
0080	HMA Surface, Rem	5010005	53.000	Syd
0090	Pavt for Butt Joints, Rem	5010008	1,271.000	Syd
0100	Hand Patching	5010025	44.000	Ton
0110	_ Seal, Fog	5017011	3,927.000	Syd
0120	Overband Crack Fill, Lane	5020003	4.250	Lnmi
0130	Paver Placed Surface Seal, Type C, Warranty	5030041	42,411.000	Syd
0140	Reflective Panel for Permanent Sign Support, 6 foot	8100616	12.000	Ea
0150	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	4,031.000	Ft
0160	Pavt Mrkg, Waterborne, 6 inch, White	8110233	22,458.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	4,031.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	22,458.000	Ft
0190	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0200	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	140.000	Ea
0210	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	135.000	Ea
0220	Lighted Arrow, Type C, Furn	8120140	3.000	Ea
0230	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Plastic Drum, Fluorescent, Furn	8120252	30.000	Ea
0260	Plastic Drum, Fluorescent, Oper	8120253	25.000	Ea
0270	Sign Cover	8120310	20.000	Ea

0280	Sign, Portable, Changeable Message, Furn	8120330	3.000	Ea
0290	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0300	Sign, Type B, Temp, Prismatic, Furn	8120350	700.000	Sft
0310	Sign, Type B, Temp, Prismatic, Oper	8120351	700.000	Sft
0320	Traf Regulator Control	8120370	1.000	LSUM
0330	_ Temp Rumble Strips (Orange)	8127001	270.000	Ft
0340	Centerline Corrugations, Milled, HMA	8220013	11,229.000	Ft
0350	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	6,440.000	Ft



Schedule of Pay Items

Report v1

Letting Call: 191101 050

Letting Date: November 1, 2019

Contract ID: 13051-207826

Description: 1.79 mi of hot mix asphalt cold milling and resurfacing and pavement markings on M-66 from north of Wanadoga Creek to Baseline Road, Calhoun County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
207826A	N/A	N/A	M 13051

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$32,200.00	1500001	1.000	LSUM
0020	Cold Milling HMA Surface	5010002	29,880.000	Syd
0030	HMA Quality Initiative	5010007	5,180.000	Dlr
0040	Longitudinal Joint Density Quality Initiative	5010018	11,400.000	Dlr
0050	Hand Patching	5010025	1.000	Ton
0060	HMA Approach	5010061	44.000	Ton
0070	HMA, LVSP	5010703	2,545.000	Ton
0080	Delineator Reflector, Green	8100133	7.000	Ea
0090	Delineator, Rem	8100349	2.000	Ea
0100	Post, Rigid, Delineator	8100361	7.000	Ea
0110	Pavt Mrkg, Waterborne, 4 inch, White	8110231	415.000	Ft
0120	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	4,358.000	Ft
0130	Pavt Mrkg, Waterborne, 6 inch, White	8110233	18,770.000	Ft
0140	Pavt Mrkg, Waterborne, 12 inch, White	8110237	510.000	Ft
0150	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	415.000	Ft
0160	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	4,358.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	18,770.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	510.000	Ft
0190	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0200	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	280.000	Ea
0210	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	280.000	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 R, Tape, 4 inch, White, Temp	8120245	76.000	Ft
0260	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	950.000	Ft

0270	Sign Cover	8120310	10.000	Ea
0280	Sign, Type B, Temp, Prismatic, Furn	8120350	576.000	Sft
0290	Sign, Type B, Temp, Prismatic, Oper	8120351	576.000	Sft
0300	Traf Regulator Control	8120370	1.000	LSUM
0310	Monument Box Adjust	8210005	1.000	Ea
0320	Protect Corners	8210020	1.000	Ea
0330	Centerline Corrugations, Milled, HMA	8220013	9,100.000	Ft
0340	Contractor Staking, Road Only	8240007	1.000	LSUM
0350	Staking Plan Errors and Extras, One Person	8240020	3.000	Hr
0360	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0370	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 051

Letting Date: November 1, 2019

Contract ID: 33091-208284

Description: 0.84 mi of hot mix asphalt cold milling and resurfacing with shoulder work on M-52 from M-106 to Green Road in the village of Stockbridge, Ingham County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
208284A	N/A	N/A	M 33091

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$26,800.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	50.000	Ft
0030	Project Cleanup	2090001	1.000	LSUM
0040	Shoulder, CI II	3070121	203.000	Ton
0050	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea
0060	Cold Milling HMA Surface	5010002	19,904.000	Syd
0070	HMA Quality Initiative	5010007	3,284.000	Dlr
0080	Longitudinal Joint Density Quality Initiative	5010018	4,440.000	Dlr
0090	HMA, 5E1	5010056	1,568.000	Ton
0100	HMA Approach	5010061	74.000	Ton
0110	Curb and Gutter, Conc, Det F4	8020038	50.000	Ft
0120	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	186.000	Ft
0130	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	168.000	Ft
0140	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	24.000	Ft
0150	Pavt Mrkg, Waterborne, 4 inch, White	8110231	300.000	Ft
0160	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	10,129.000	Ft
0170	Pavt Mrkg, Waterborne, 6 inch, White	8110233	4,400.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	300.000	Ft
0190	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	10,129.000	Ft
0200	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	4,400.000	Ft
0210	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0220	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	1.000	Ea
0230	Pavt Mrkg, Polyurea, School	8110414	2.000	Ea
0240	Barricade, Type III, High Intensity, Lighted, Furn	8120022	10.000	Ea
0250	Barricade, Type III, High Intensity, Lighted, Oper	8120023	10.000	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, White, Temp	8120245	100.000	Ft
0300	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	1,300.000	Ft
0310	Plastic Drum, Fluorescent, Furn	8120252	200.000	Ea
0320	Plastic Drum, Fluorescent, Oper	8120253	200.000	Ea
0330	Sign Cover	8120310	5.000	Ea
0340	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0350	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0360	Sign, Type B, Temp, Prismatic, Furn	8120350	900.000	Sft
0370	Sign, Type B, Temp, Prismatic, Oper	8120351	900.000	Sft
0380	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	100.000	Sft
0390	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	100.000	Sft
0400	Traf Regulator Control	8120370	1.000	LSUM
0410	Monument Preservation	8210010	2.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 052

Letting Date: November 1, 2019

Contract ID: 75061-130241-2

Description: Bridge rehabilitation including deck patching, full paint and scour countermeasures on M-28/M-77 over the Fox River, Schoolcraft County. This project includes a 2 year bridge coating warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
130241A	N/A	N/A	GF19 75061

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$25,400.00	1500001	1.000	LSUM
0020	Minor Traf Devices	8120170	1.000	LSUM
0030	Plastic Drum, Fluorescent, Furn	8120252	34.000	Ea
0040	Plastic Drum, Fluorescent, Oper	8120253	34.000	Ea
0050	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	22.000	Ft
0060	PTS System, Temp, Furn	8120270	1.000	Ea
0070	PTS System, Temp, Oper	8120271	1.000	Ea
0080	Sign Cover	8120310	5.000	Ea
0090	Sign, Type B, Temp, Prismatic, Furn	8120350	324.000	Sft
0100	Sign, Type B, Temp, Prismatic, Oper	8120351	324.000	Sft
0110	Contractor Staking	8240001	1.000	LSUM
0120	Staking Plan Errors and Extras, One Person	8240020	4.000	Hr
0130	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0140	Staking Plan Errors and Extras, Three Person	8240022	2.000	Hr

Section: 2

0150	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0160	Erosion Control, Silt Fence	2080036	100.000	Ft
0170	Erosion Control, Turbidity Curtain, Shallow	2080044	160.000	Ft
0180	HMA Patch, Rem	5010006	42.000	Syd
0190	False Decking	7060060	3,176.000	Sft
0200	Reinforcement, Steel, Epoxy Coated	7060092	30.000	Lb
0210	Substructure Horizontal Surface Sealer (B07 of 75061)	7100030	14.000	Syd
0220	Hand Chipping, Shallow	7120003	4.000	Syd
0230	Hand Chipping, Deep	7120004	5.000	Syd
0240	Patch, Full Depth	7120010	2.000	Cyd
0250	Patching Conc, C-L	7120112	1.000	Cyd

0260	_ Hand Chipping, Full Depth	7127020	48.000	Cft
0270	Beam Plate, Seal Perimeter	7130010	420.000	Ft
0280	Steel Structure, Cleaning, Type 4 (B07 of 75061)	7150045	1.000	LSUM
0290	Steel Structure, Coating, Type 4 (B07 of 75061)	7150046	1.000	LSUM
0300	Deck Drain, Adj	7170061	1.000	Ea
0310	_ Riprap, Fieldstone	8137031	453.000	Ton



Schedule of Pay Items

Report v1

Letting Call: 191101 053

Letting Date: November 1, 2019

Contract ID: 29011-201962

Description: 0.34 mi of intersection safety improvements including construction of a hot mix asphalt cul-de-sac, eliminate railroad crossing, guardrail and pavement markings on US-127 at Bagley Road, Gratiot County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201962A	1901191	N/A	HSIP 29011

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$22,700.00	1500001	1.000	LSUM
0020	_ Clearing, Special	2017002	2.000	Sta
0030	Pavt, Rem	2040050	2,690.000	Syd
0040	Excavation, Earth	2050016	647.000	Cyd
0050	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0060	Aggregate, 6A	2060001	300.000	Cyd
0070	Obliterate Old Road	2070001	8.000	Sta
0080	Erosion Control, Silt Fence	2080036	500.000	Ft
0090	Subbase, CIP	3010002	324.000	Cyd
0100	Aggregate Base, 6 inch	3020016	971.000	Syd
0110	Approach, CI II	3070021	2.000	Ton
0120	_ Shoulder, CI II, Modified	3077031	50.000	Ton
0130	Geotextile, Separator	3080005	930.000	Syd
0140	HMA Surface, Rem	5010005	4,116.000	Syd
0150	HMA Quality Initiative	5010007	500.000	Dlr
0160	HMA Approach	5010061	250.000	Ton
0170	Guardrail, Type MGS-8	8070004	75.000	Ft
0180	Guardrail Departing Terminal, Type MGS	8070052	2.000	Ea
0190	Fence, Woven Wire with Steel Post	8080002	700.000	Ft
0200	Delineator Reflector, Yellow	8100132	5.000	Ea
0210	Delineator Reflector, White	8100134	4.000	Ea
0220	Fdn, Wood Support, Rem	8100280	4.000	Ea
0230	Delineator, Rem	8100349	5.000	Ea
0240	Post, Rigid, Delineator	8100361	9.000	Ea
0250	Post, Steel, 3 lb	8100371	120.000	Ft
0260	Sign, Type II, Rem	8100397	2.000	Ea
0270	Sign, Type III, Rem	8100403	19.000	Ea

0280	Sign, Type VB	8100425	48.000	Sft
0290	Reflective Panel for Permanent Sign Support, 6 foot	8100616	8.000	Ea
0300	Pavt Mrkg, Waterborne, 4 inch, White	8110231	620.000	Ft
0310	Pavt Mrkg, Waterborne, 6 inch, White	8110233	2,482.000	Ft
0320	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	2,482.000	Ft
0330	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	620.000	Ft
0340	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	2,482.000	Ft
0350	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	2,482.000	Ft
0360	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	110.000	Ea
0370	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	110.000	Ea
0380	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0390	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0400	Minor Traf Devices	8120170	1.000	LSUM
0410	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	840.000	Ft
0420	Sign Cover	8120310	2.000	Ea
0430	Sign, Type B, Temp, Prismatic, Furn	8120350	1,528.000	Sft
0440	Sign, Type B, Temp, Prismatic, Oper	8120351	1,528.000	Sft
0450	Site Preparation, Max \$1,270.00	8150001	1.000	LSUM
0460	Watering and Cultivating, First Season, Min \$610.00	8150002	1.000	LSUM
0470	Watering and Cultivating, Second Season, Min \$770.00	8150003	1.000	LSUM
0480	Picea abies, 4 foot	8152740	20.000	Ea
0490	Slope Restoration, Type B	8160101	4,382.000	Syd
0500	_ Compacted Soil Restoration	8167011	183.000	Syd
0510	Monument Preservation	8210010	2.000	Ea
0520	Shoulder Corrugations, Ground or Cut, HMA	8220001	1,410.000	Ft
0530	_ Railroad Protection, at Grade Crossing	8507060	20,000.000	Dir



10/10/2019 4:18 PM

AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 054**Letting Date:** November 1, 2019**Contract ID:** 49025-204335**Description:** 0.58 mi of concrete joint and spall repairs on I-75 from north of the Mackinac Bridge Authority toll plaza northerly to US-2 in the city of St. Ignace, Mackinac County.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
204335A	1901222	N/A	NH 49025

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$15,400.00	1500001	1.000	LSUM
0020	Excavation, Earth	2050016	35.000	Cyd
0030	Aggregate Base, 6 inch	3020016	175.000	Syd
0040	HMA Surface, Rem	5010005	175.000	Syd
0050	HMA, Temp Pavt (LVSP)	5020807	25.000	Ton
0060	_ Asphalt Repair Mastic	5027001	107.000	Ft
0070	Joint, Contraction, Cp	6020200	30.000	Ft
0080	Joint, Contraction, Crg	6030020	2,138.000	Ft
0090	Joint, Expansion, Erg	6030021	270.000	Ft
0100	Lane Tie, Epoxy Anchored	6030030	13.000	Ea
0110	Pavt Repr, Nonreinf Conc, 10 inch	6030048	615.000	Syd
0120	Pavt Repr, Rem	6030080	615.000	Syd
0130	Saw Cut, Intermediate	6030090	219.000	Ft
0140	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0150	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0160	Ltg for Night Work	8120160	1.000	LSUM
0170	Minor Traf Devices	8120170	1.000	LSUM
0180	Mobile Attenuator	8120180	1.000	Ea
0190	Plastic Drum, Fluorescent, Furn	8120252	211.000	Ea
0200	Plastic Drum, Fluorescent, Oper	8120253	211.000	Ea
0210	Sign Cover	8120310	1.000	Ea
0220	Sign, Portable, Changeable Message, Furn	8120330	3.000	Ea
0230	Sign, Portable, Changeable Message, Oper	8120331	3.000	Ea
0240	Sign, Type B, Temp, Prismatic, Furn	8120350	520.000	Sft
0250	Sign, Type B, Temp, Prismatic, Oper	8120351	520.000	Sft
0260	Slope Restoration, Type B	8160101	175.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 191101 055

Letting Date: November 1, 2019

Contract ID: 58052-205957

Description: 0.08 mi of hot mix asphalt paving and aggregate base on US-24 at Erie Weigh Station Ramp, Monroe County.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
205957A	1901223	N/A	NH 58052

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$7,500.00	1500001	1.000	LSUM
0020	Excavation, Earth	2050016	469.000	Cyd
0030	Erosion Control, Silt Fence	2080036	350.000	Ft
0040	Aggregate Base	3020001	588.000	Ton
0050	Aggregate Surface Cse	3060006	88.000	Ton
0060	HMA Quality Initiative	5010007	568.000	Dlr
0070	HMA Approach	5010061	284.000	Ton
0080	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	16.000	Ea
0090	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	16.000	Ea
0100	Minor Traf Devices	8120170	1.000	LSUM
0110	Plastic Drum, Fluorescent, Furn	8120252	20.000	Ea
0120	Plastic Drum, Fluorescent, Oper	8120253	20.000	Ea
0130	Sign, Type B, Temp, Prismatic, Furn	8120350	348.000	Sft
0140	Sign, Type B, Temp, Prismatic, Oper	8120351	348.000	Sft
0150	Contractor Staking, Road Only	8240007	1.000	LSUM
0160	Staking Plan Errors and Extras, One Person	8240020	6.000	Hr
0170	Staking Plan Errors and Extras, Two Person	8240021	2.000	Hr
0180	Staking Plan Errors and Extras, Three Person	8240022	4.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 056

Letting Date: November 1, 2019

Contract ID: 25000-203175

Description: 0.26 mi of construction of a roundabout including pavement removal, hot mix asphalt surfacing, concrete curb and gutter, machine grading, aggregate base, storm sewer, culverts and pavement markings on Grand Blanc Road at Morrish Road, Genesee County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203175A	1901139	N/A	HRRR 25000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$78,900.00	1500001	1.000	LSUM
0020	Stump, Rem, 19 inch to 36 inch	2020006	1.000	Ea
0030	Stump, Rem, 6 inch to 18 inch	2020008	5.000	Ea
0040	Culv, Rem, Less than 24 inch	2030001	5.000	Ea
0050	Culv, End, Rem, Less than 24 inch	2030005	1.000	Ea
0060	Dr Structure, Rem	2030011	12.000	Ea
0070	Sewer, Rem, Less than 24 inch	2030015	1,638.000	Ft
0080	Fence, Rem	2040025	120.000	Ft
0090	_ Pavt, Rem, Modified	2047011	6,700.000	Syd
0100	Embankment, CIP	2050010	765.000	Cyd
0110	Excavation, Earth	2050016	1,250.000	Cyd
0120	Non Haz Contaminated Material Handling and Disposal, LM	2050031	250.000	Cyd
0130	_ Subgrade Undercutting, Type II, Modified	2057021	250.000	Cyd
0140	Erosion Control, Inlet Protection, Fabric Drop	2080020	16.000	Ea
0150	_ Aggregate Base, 11 inch, Modified	3027011	395.000	Syd
0160	_ Aggregate Base, 12 inch, Modified	3027011	149.000	Syd
0170	_ Aggregate Base, 6 inch, Modified	3027011	6,031.000	Syd
0180	_ Maintenance Gravel, Modified	3067021	100.000	Cyd
0190	_ Approach, CI II, 6 inch, Modified	3077011	159.000	Syd
0200	_ Shoulder, CI II, 6 inch, Modified	3077011	323.000	Syd
0210	Culv End Sect, Conc, 12 inch	4010047	1.000	Ea
0220	Culv, CI F, 12 inch	4010607	114.000	Ft
0230	Sewer, CI III, 12 inch, Tr Det A	4020840	147.000	Ft
0240	Sewer, CI III, 18 inch, Tr Det A	4020842	402.000	Ft
0250	Sewer, CI III, 12 inch, Tr Det B	4020866	842.000	Ft
0260	Sewer, CI III, 18 inch, Tr Det B	4020868	231.000	Ft
0270	Sewer Tap, 12 inch	4021204	2.000	Ea

0280	Video Taping Sewer and Culv Pipe	4021275	1,622.000	Ft
0290	_ Sump Pump Lead and Drain Tile Connection	4027001	50.000	Ft
0300	Dr Structure Cover, Adj, Case 1	4030005	1.000	Ea
0310	Dr Structure Cover, Type B	4030010	1.000	Ea
0320	Dr Structure Cover, Type D	4030025	1.000	Ea
0330	Dr Structure Cover, Type G	4030040	4.000	Ea
0340	Dr Structure Cover, Type J	4030045	8.000	Ea
0350	Dr Structure, 48 inch dia	4030210	8.000	Ea
0360	Dr Structure, 60 inch dia	4030220	1.000	Ea
0370	Dr Structure, Tap, 12 inch	4030312	1.000	Ea
0380	Dr Structure, Tap, 18 inch	4030318	1.000	Ea
0390	_ Dr Structure, 36 inch dia	4037050	3.000	Ea
0400	Underdrain, Subbase, 4 inch	4040061	2,235.000	Ft
0410	HMA, 2C	5010030	362.000	Ton
0420	HMA, 4E1	5010050	161.000	Ton
0430	HMA, 5E1	5010056	121.000	Ton
0440	_ HMA Commercial Approach, Special	5017011	280.000	Syd
0450	_ HMA Residential Approach, Special	5017011	75.000	Syd
0460	Conc Pavt, Misc, Nonreinf, 8 inch	6020054	200.000	Syd
0470	Conc Pavt, Nonreinf, 8 inch	6020104	3,375.000	Syd
0480	Joint, Contraction, Cp	6020200	3,193.000	Ft
0490	Joint, Expansion, E3	6020208	244.000	Ft
0500	Joint, Expansion E2, Intersection	6020270	291.000	Ft
0510	_ Conc Pavt, Nonreinf, 5 inch	6027011	149.000	Syd
0520	Curb, Conc, Det E1	8020001	134.000	Ft
0530	Curb and Gutter, Conc, Det B1	8020015	1,659.000	Ft
0540	Curb and Gutter, Conc, Det B2	8020016	126.000	Ft
0550	_ Curb and Gutter, Conc, Det B1, Modified	8027001	546.000	Ft
0560	_ Curb and Gutter, Conc, Det D1, Modified	8027001	260.000	Ft
0570	_ Conc Pavt, Decorative Colored, 8 inch	8037010	4,649.000	Sft
0580	Post, Mailbox	8070095	6.000	Ea
0590	Fence, Chain Link, 48 inch	8080011	84.000	Ft
0600	Column, Breakaway, W8 x 13	8100120	8.000	Ea
0610	Fdn, Breakaway, W8 x 13	8100160	8.000	Ea
0620	Post Hole Through Conc for Steel Post	8100340	16.000	Ea
0630	Post, Steel, 3 lb	8100371	520.000	Ft
0640	Sign, Type IA	8100392	405.000	Sft
0650	Sign, Type III, Rem	8100403	3.000	Ea
0660	Sign, Type IIIA	8100404	55.000	Sft
0670	Sign, Type IIIB	8100405	122.000	Sft
0680	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	878.000	Ft
0690	Pavt Mrkg, Waterborne, 6 inch, White	8110233	2,508.000	Ft
0700	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	1,460.000	Ft
0710	Pavt Mrkg, Waterborne, 12 inch, White	8110237	72.000	Ft
0720	Pavt Mrkg, Waterborne, 12 inch, Yellow	8110238	281.000	Ft

0730	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	878.000	Ft
0740	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	2,508.000	Ft
0750	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	1,460.000	Ft
0760	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	72.000	Ft
0770	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, Yellow	8110258	281.000	Ft
0780	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	30.000	Ea
0790	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	39.000	Ea
0800	Channelizing Device, 42 inch, Furn	8120030	100.000	Ea
0810	Channelizing Device, 42 inch, Oper	8120031	100.000	Ea
0820	Minor Traf Devices	8120170	1.000	LSUM
0830	Sign, Type B, Temp, Prismatic, Furn	8120350	573.000	Sft
0840	Sign, Type B, Temp, Prismatic, Oper	8120351	573.000	Sft
0850	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	227.000	Sft
0860	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	227.000	Sft
0870	_ Turf Establishment, Performance-No Rye, Special	8167011	6,500.000	Syd
0880	Monument Box	8210001	1.000	Ea
0890	Monument Preservation	8210010	1.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 057

Letting Date: November 1, 2019

Contract ID: 03000-202856

Description: 2.19 mi of hot mix asphalt cold milling and resurfacing, high friction surface treatment, guardrail, gravel shoulders and pavement markings on 128th Avenue from 18th Avenue to 14th Avenue, Allegan County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
202856A	1901146	N/A	HRRR 03000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$63,500.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	463.000	Ft
0030	Pavt, Rem	2040050	20.000	Syd
0040	Approach, CI II, LM	3070023	100.000	Cyd
0050	Shoulder, CI II, LM	3070123	200.000	Cyd
0060	Cold Milling HMA Surface	5010002	39,000.000	Syd
0070	Pavt for Butt Joints, Rem	5010008	100.000	Syd
0080	HMA, 4E1	5010050	5,700.000	Ton
0090	_ High Friction Surface Treatment, Modified	5067011	4,200.000	Syd
0100	Guardrail, Type MGS-8	8070004	363.000	Ft
0110	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0120	Guardrail Reflector	8070080	16.000	Ea
0130	Recessing Pavt Mrkg, Longit	8110450	12,000.000	Ft
0140	Pavt Mrkg, Modified Urethane, 4 inch, White	8110537	23,000.000	Ft
0150	Pavt Mrkg, Modified Urethane, 4 inch, Yellow	8110541	12,000.000	Ft
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	1,000.000	Ft
0200	Sign, Type B, Temp, Prismatic, Furn	8120350	416.000	Sft
0210	Sign, Type B, Temp, Prismatic, Oper	8120351	416.000	Sft
0220	Traf Regulator Control	8120370	1.000	LSUM
0230	_ Monument Box Adjust, Modified	8217050	1.000	Ea
0240	_ Sinusoidal Corrugations, Milled, HMA Shoulder	8227001	23,000.000	Ft



Schedule of Pay Items

Report v1

Letting Call: 191101 058

Letting Date: November 1, 2019

Contract ID: 39000-202248

Description: Intersection safety improvements and sidewalk on Howard Street from Stadium Drive to West Michigan 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
202248A	1901015	N/A	TAU 39000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$41,900.00	1500001	1.000	LSUM
0020	Guardrail, Rem	2040035	65.000	Ft
0030	Sidewalk, Rem	2040055	61.000	Syd
0040	Excavation, Earth	2050016	1,258.000	Cyd
0050	Subgrade Undercutting, Type II	2050041	100.000	Cyd
0060	Erosion Control, Inlet Protection, Fabric Drop	2080020	19.000	Ea
0070	Erosion Control, Silt Fence	2080036	3,904.000	Ft
0080	Hand Patching	5010025	6.000	Ton
0090	Curb and Gutter, Conc, Det F4	8020038	70.000	Ft
0100	Curb Ramp Opening, Conc	8030030	40.000	Ft
0110	Sidewalk Ramp, Conc, 6 inch	8030036	702.000	Sft
0120	_ Detectable Warning Surface, Modified	8037001	48.000	Ft
0130	Shared use Path, Aggregate	8060010	825.000	Ton
0140	Shared use Path, Conc	8060020	2,047.000	Syd
0150	Shared use Path, Grading	8060030	5,492.000	Ft
0160	_ Decorative Fence, Alum, 4ft	8087001	1,072.000	Ft
0170	Post, Steel, 3 lb	8100371	260.000	Ft
0180	Sign, Type III, Rem	8100403	10.000	Ea
0190	Sign, Type IIIB	8100405	84.000	Sft
0200	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	80.000	Ft
0210	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	12.000	Ea
0220	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	12.000	Ea
0230	Channelizing Device, 42 inch, Furn	8120030	200.000	Ea
0240	Channelizing Device, 42 inch, Oper	8120031	200.000	Ea
0250	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0260	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0270	Minor Traf Devices	8120170	1.000	LSUM

0280	Sign, Type B, Temp, Prismatic, Furn	8120350	500.000	Sft
0290	Sign, Type B, Temp, Prismatic, Oper	8120351	500.000	Sft
0300	_ Pedestrian Type II Barricade, Temp	8127050	25.000	Ea
0310	Conduit, Schedule 40, 2 inch	8190147	755.000	Ft
0320	DB Cable, in Conduit, 600V, 1/C#6	8190211	1,740.000	Ft
0330	Cable, Equipment Grounding Wire, 1/C#6	8190236	870.000	Ft
0340	Hh, Polymer Conc	8190250	1.000	Ea
0350	_ Light Std Fdn, Modified	8197050	11.000	Ea
0360	_ Light Std Shaft, Modified	8197050	11.000	Ea
0370	_ Luminaire, Modified	8197050	11.000	Ea
0380	Water Shutoff, Adj, Temp, Case 1	8230381	5.000	Ea
0390	Gate Box, Adj, Temp, Case 1	8230391	5.000	Ea



Schedule of Pay Items

Report v1

Letting Call: 191101 059

Letting Date: November 1, 2019

Contract ID: 58000-203008

Description: 1.19 mi of hot mix asphalt resurfacing, paved shoulders for shared use path, slope restoration and pavement markings on North Dixie Highway from Pointe Aux Peaux Road to Enrico Fermi Drive, Monroe County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
203008A	1901138	N/A	CM 58000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$52,800.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.500	Acre
0030	Stump, Rem, 6 inch to 18 inch	2020008	1.000	Ea
0040	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0050	Pavt, Rem	2040050	53.000	Syd
0060	_ Machine Grading, Modified	2057002	122.000	Sta
0070	Erosion Control, Inlet Protection, Fabric Drop	2080020	7.000	Ea
0080	Erosion Control, Silt Fence	2080036	478.000	Ft
0090	Aggregate Base, 4 inch	3020010	9,334.000	Syd
0100	Aggregate Base, Conditioning	3020050	378.000	Syd
0110	Maintenance Gravel, LM	3060021	41.000	Cyd
0120	Approach, CI II	3070021	40.000	Ton
0130	Trenching	3070200	110.000	Sta
0140	Culv End Sect, Conc, 12 inch	4010047	4.000	Ea
0150	Culv, CI E, 12 inch	4010539	192.000	Ft
0160	Cold Milling HMA Surface	5010002	17,022.000	Syd
0170	HMA Surface, Rem	5010005	136.000	Syd
0180	Edge Trimming	5010009	40.000	Ft
0190	HMA, 5E3	5010057	2,739.000	Ton
0200	HMA Approach	5010061	27.000	Ton
0210	Driveway, Nonreinf Conc, 6 inch	8010005	35.000	Syd
0220	Post, Mailbox	8070095	21.000	Ea
0230	Delineator Reflector, Yellow	8100132	51.000	Ea
0240	Post, Steel, 3 lb	8100371	945.000	Ft
0250	Sign, Type III, Rem	8100403	70.000	Ea
0260	Sign, Type IIIB	8100405	339.000	Sft
0270	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	24.000	Ft

0280	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	11,126.000	Ft
0290	Pavt Mrkg, Waterborne, 6 inch, White	8110233	12,526.000	Ft
0300	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	11,126.000	Ft
0310	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	12,526.000	Ft
0320	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	1.000	Ea
0330	Pavt Mrkg, Polyurea, Only	8110410	1.000	Ea
0340	Lighted Arrow, Type B, Furn	8120130	2.000	Ea
0350	Lighted Arrow, Type B, Oper	8120131	2.000	Ea
0360	Minor Traf Devices	8120170	1.000	LSUM
0370	Plastic Drum, High Intensity, Furn	8120250	150.000	Ea
0380	Plastic Drum, High Intensity, Oper	8120251	150.000	Ea
0390	Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional	8120281	70.000	Ea
0400	Sign, Type B, Temp, Prismatic, Furn	8120350	426.000	Sft
0410	Sign, Type B, Temp, Prismatic, Oper	8120351	426.000	Sft
0420	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	16.000	Sft
0430	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	16.000	Sft
0440	Traf Regulator Control	8120370	1.000	LSUM
0450	Slope Restoration, Type A	8160100	5,600.000	Syd



Schedule of Pay Items

Report v1

Letting Call: 191101 060

Letting Date: November 1, 2019

Contract ID: 41400-120835

Description: Upgrade the existing diagonal span to a box span signal, sidewalk ramps, signing and pavement markings on College Avenue SE at Michigan Street in the city of Grand Rapids, Kent County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
120835A	1901145	N/A	CM 41400

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$53,300.00	1500001	1.000	LSUM
0020	Tree, Rem, 6 inch to 18 inch	2020004	2.000	Ea
0030	Stump, Rem, 6 inch to 18 inch	2020008	1.000	Ea
0040	_ Curb and Gutter, Rem, Modified	2047001	530.000	Ft
0050	_ Pavt, Rem, Modified	2047011	1,945.000	Syd
0060	_ Sidewalk, Rem, Modified	2047011	460.000	Syd
0070	_ Bollard, Rem	2047050	1.000	Ea
0080	Granular Material, CI II	2050023	706.000	Cyd
0090	_ Station Grading	2057002	3.000	Sta
0100	_ Storm Water Operator's Inspection	2087050	40.000	Ea
0110	_ Soil Erosion and Sedimentation Control	2087051	1.000	LSUM
0120	_ Soil Erosion and Sedimentation Control Plan	2087051	1.000	LSUM
0130	_ Aggregate Base, 10 inch, Modified	3027011	2,060.000	Syd
0140	_ Aggregate Base, 6 inch, Modified	3027011	477.000	Syd
0150	Dr Structure, Tap, 6 inch	4030306	12.000	Ea
0160	_ Dr Structure Cover, Special	4037030	6,590.000	Lb
0170	_ Structure Cover, Adj, Special	4037050	14.000	Ea
0180	Underdrain, Subbase, 6 inch	4040063	511.000	Ft
0190	HMA, 3E10	5010046	395.000	Ton
0200	HMA, 4E10, High Stress	5010510	280.000	Ton
0210	HMA, 5E10, High Stress	5010516	170.000	Ton
0220	_ Curb and Gutter, Conc, Det P-5, Modified, 18 inch Pan	8027001	408.000	Ft
0230	Curb Ramp Opening, Conc	8030030	103.000	Ft
0240	Sidewalk Ramp, Conc, 6 inch	8030036	785.000	Sft
0250	Sidewalk, Conc, 6 inch	8030046	3,135.000	Sft
0260	_ Detectable Warning Surface, Modified	8037001	40.000	Ft
0270	Sign, Type III, Erect, Salv	8100402	1.000	Ea

0280	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	8110218	132.000	Ft
0290	Recessing Pavt Mrkg, Longit	8110450	877.000	Ft
0300	Recessing Pavt Mrkg, Transv	8110451	964.000	Sft
0310	Pavt Mrkg, Wet Retrflec Polyurea, 6 inch, White	8110501	461.000	Ft
0320	Pavt Mrkg, Wet Retrflec Polyurea, 12 inch, White	8110503	700.000	Ft
0330	Pavt Mrkg, Wet Retrflec Polyurea, 4 inch, Yellow	8110504	416.000	Ft
0340	_ Pavt Mrkg, Preformed Thermopl, Lt Turn Arrow Sym	8117050	6.000	Ea
0350	_ Pavt Mrkg, Preformed Thermopl, Thru & Rt Turn Arrow Sym	8117050	3.000	Ea
0360	Barricade, Type III, High Intensity, Lighted, Furn	8120022	14.000	Ea
0370	Barricade, Type III, High Intensity, Lighted, Oper	8120023	14.000	Ea
0380	Channelizing Device, 42 inch, Furn	8120030	50.000	Ea
0390	Channelizing Device, 42 inch, Oper	8120031	50.000	Ea
0400	Minor Traf Devices	8120170	1.000	LSUM
0410	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0420	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0430	Sign, Type B, Temp, Prismatic, Furn	8120350	683.000	Sft
0440	Sign, Type B, Temp, Prismatic, Oper	8120351	683.000	Sft
0450	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	778.000	Sft
0460	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	778.000	Sft
0470	Traf Regulator Control	8120370	1.000	LSUM
0480	_ Sign, Temporary Business, Operate	8127050	10.000	Ea
0490	_ Dust Control	8127051	1.000	LSUM
0500	_ Gleditsia triacanthos inermis 'Impcole', 3 Inch	8157050	2.000	Ea
0510	_ Tree Bag	8157050	2.000	Ea
0520	_ Turf Establishment	8167011	40.000	Syd
0530	_ Prepared Soil	8167021	3.000	Cyd
0540	_ Turf Watering	8167050	8.000	Ea
0550	Cable Pole, TS and Sec, Disman	8190009	5.000	Ea
0560	Conduit, Directional Bore, 3 inch	8190044	10.000	Ft
0570	Hh, Adj	8190244	6.000	Ea
0580	Cable, Sec, 600V, 1, 3/C#6	8190399	300.000	Ft
0590	Case Sign, Rem	8200020	3.000	Ea
0600	Controller and Cabinet, Rem	8200030	1.000	Ea
0610	Controller and Cabinet, Digital Type	8200031	1.000	Ea
0620	Pedestal Fdn, Rem	8200106	1.000	Ea
0630	Pedestal, Rem	8200110	1.000	Ea
0640	Pushbutton, Rem	8200122	4.000	Ea
0650	Serv Disconnect	8200135	1.000	Ea
0660	Span Wire	8200140	4.000	Ea
0670	Span Wire, Rem	8200141	4.000	Ea
0680	Span Wire Tether	8200142	4.000	Ea
0690	Strain Pole, Steel, Anchor Base, 30 foot	8200155	2.000	Ea
0700	Strain Pole, Steel, Anchor Fdn	8200165	2.000	Ea
0710	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	3.000	Ea

0720	TS, Pedestrian, Pedestal Mtd, Rem	8200181	1.000	Ea
0730	TS, Span Wire Mtd, Rem	8200182	11.000	Ea
0740	TS, One Way Span Wire Mtd, Salv	8200191	2.000	Ea
0750	TS, One Way Span Wire Mtd (LED)	8200313	11.000	Ea
0760	TS, One Way Span Wire Mtd, FYA (LED)	8200314	1.000	Ea
0770	TS, One Way Span Wire Mtd, Five Sect (LED)	8200315	1.000	Ea
0780	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	4.000	Ea
0790	Bracket, Truss, With 18 Foot Arm	8200378	1.000	Ea
0800	Hemispherical Video Detection Camera	8200444	1.000	Ea
0810	Hemispherical Video Detection System	8200445	1.000	Ea
0820	Backplate, TS	8200501	13.000	Ea
0830	_ Bollard	8207050	1.000	Ea
0840	_ GPS Opticom System	8207050	1.000	Ea
0850	_ Road Side Unit, Modified	8207050	1.000	Ea
0860	_ TS, Managed Field Ethernet Switch, Layer 2, Copper, Modified	8207050	1.000	Ea
0870	Water Shutoff, Adj, Case 1	8230421	2.000	Ea
0880	_ Hydrant, Adjust	8237050	2.000	Ea
0890	_ Valve Box, Adj	8237050	8.000	Ea
0900	_ Valve Box, Furnish	8237050	10.000	Ea
0910	_ Underground Sprinkling, Identify, Protect and Restore	8507051	1.000	LSUM



Schedule of Pay Items

Report v1

Letting Call: 191101 061

Letting Date: November 1, 2019

Contract ID: 17000-133266

Description: 3.77 mi of hot mix asphalt ultra-thin overlay and shoulder widening, cured-in-place pipe lining and pavement markings on Gaines Highway from Mackinac Trail southeasterly to M-80, Chippewa County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
133266A	1901140	N/A	STUL 17000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$48,700.00	1500001	1.000	LSUM
0020	Shoulder, CI II, LM	3070123	120.000	Cyd
0030	Shoulder, CI III, LM	3070143	60.000	Cyd
0040	Trenching	3070200	97.000	Sta
0050	_ Cured-In-Place Pipe Lining, 24 inch	4017001	60.000	Ft
0060	Video Taping Sewer and Culv Pipe	4021275	60.000	Ft
0070	Cold Milling HMA Surface	5010002	880.000	Syd
0080	HMA, 4E1	5010050	710.000	Ton
0090	_ HMA, Ultra-Thin Overlay	5017031	4,185.000	Ton
0100	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	24.000	Ft
0110	Pavt Mrkg, Regular Dry, 4 inch, White	8110125	39,780.000	Ft
0120	Pavt Mrkg, Regular Dry, 4 inch, Yellow	8110126	19,890.000	Ft
0130	Protective Ovly, Snowmobile Trail Crossing	8110550	50.000	Syd
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	400.000	Ea
0180	Plastic Drum, High Intensity, Oper	8120251	400.000	Ea
0190	Sign, Type B, Temp, Prismatic, Furn	8120350	432.000	Sft
0200	Sign, Type B, Temp, Prismatic, Oper	8120351	432.000	Sft
0210	Traf Regulator Control	8120370	1.000	LSUM
0220	Slope Restoration, Type B	8160101	335.000	Syd
0230	Monument Box Adjust	8210005	1.000	Ea

**Schedule of Pay Items**

Report v1

Letting Call: 191101 062**Letting Date:** November 1, 2019**Contract ID:** 81000-207737

Description: 0.07 mi of three pedestrian refuge islands, sidewalk and ramp on Freer Road from Dexter-Chelsea Road to Provincial Drive in the city of Chelsea, Washtenaw 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. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
207737A	1901019	N/A	STUL 81000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$7,600.00	1500001	1.000	LSUM
0020	_ Shrub, Rem	2027050	1.000	Ea
0030	_ Tree Trimming	2027050	1.000	Ea
0040	Curb and Gutter, Rem	2040020	208.000	Ft
0050	Sidewalk, Rem	2040055	54.000	Syd
0060	_ Sidewalk Grading	2057002	5.000	Sta
0070	_ Undercut Class 1	2057021	50.000	Cyd
0080	_ Undercut Class 2	2057021	50.000	Cyd
0090	Erosion Control, Inlet Protection, Sediment Trap	2080024	3.000	Ea
0100	Erosion Control, Silt Fence	2080036	324.000	Ft
0110	Project Cleanup	2090001	1.000	LSUM
0120	Subbase, CIP	3010002	37.000	Cyd
0130	_ Aggregate Base, Modified	3027031	104.000	Ton
0140	_ Utility Structure Cover, Adj, Case 1	4037050	2.000	Ea
0150	HMA Surface, Rem	5010005	230.000	Syd
0160	Hand Patching	5010025	28.000	Ton
0170	Conc Pavt, Misc, Nonreinf, 6 inch	6020050	28.000	Syd
0180	Driveway, Nonreinf Conc, 6 inch	8010005	49.000	Syd
0190	Driveway Opening, Conc, Det M	8020050	45.000	Ft
0200	_ Curb and Gutter, Conc, Det F4, Modified	8027001	274.000	Ft
0210	Detectable Warning Surface	8030010	45.000	Ft
0220	Curb Ramp Opening, Conc	8030030	68.000	Ft
0230	Sidewalk Ramp, Conc, 4 inch	8030034	241.000	Sft
0240	Sidewalk, Conc, 4 inch	8030044	1,705.000	Sft
0250	Sidewalk, Conc, 6 inch	8030046	247.000	Sft
0260	Post, Steel, 3 lb	8100371	169.000	Ft
0270	Sign, Type IA	8100392	41.000	Sft

0280	Sign, Type III, Rem	8100403	1.000	Ea
0290	Pavt Mrkg, Thermopl, 4 inch, Yellow	8110196	548.000	Ft
0300	Pavt Mrkg, Thermopl, 8 inch, Yellow	8110201	119.000	Ft
0310	Pavt Mrkg, Thermopl, 12 inch, Crosswalk	8110214	108.000	Ft
0320	_ Curb Mrkg, Regular Dry, Yellow, Special	8117001	68.000	Ft
0330	Pedestrian Type II Barricade, Temp	8120026	9.000	Ea
0340	Channelizing Device, 42 inch, Furn	8120030	100.000	Ea
0350	Channelizing Device, 42 inch, Oper	8120031	100.000	Ea
0360	Minor Traf Devices	8120170	1.000	LSUM
0370	Sign, Type B, Temp, Prismatic, Furn	8120350	193.000	Sft
0380	Sign, Type B, Temp, Prismatic, Oper	8120351	193.000	Sft
0390	Traf Regulator Control	8120370	1.000	LSUM
0400	_ Slope Restoration	8167011	808.000	Syd
0410	Gate Box, Adj, Case 2	8230432	1.000	Ea



10/10/2019 4:18 PM

AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 063

Letting Date: November 1, 2019

Contract ID: 75000-208202

Description: Installation of centerline and edge line pavement markings on various routes, Schoolcraft County. This is a Local Agency project.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
208202A	1901038	N/A	STL 75000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$3,800.00	1500001	1.000	LSUM
0020	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	66.000	Ft
0030	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	2.000	Ea
0040	Pavt Mrkg, Waterborne, 4 inch, White	8110231	317,582.000	Ft
0050	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	127,000.000	Ft
0060	Protective Ovly, Snowmobile Trail Crossing	8110550	75.000	Syd
0070	_ Pavt Mrkg, Thermopl, Rumble Strip	8117001	288.000	Ft
0080	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0090	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0100	Minor Traf Devices	8120170	1.000	LSUM
0110	Sign, Type B, Temp, Prismatic, Furn	8120350	304.000	Sft
0120	Sign, Type B, Temp, Prismatic, Oper	8120351	304.000	Sft
0130	Traf Regulator Control	8120370	1.000	LSUM



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AASHTOWare Project™ Version 4.1 Revision 035

Schedule of Pay Items

Report v1

Letting Call: 191101 064**Letting Date:** November 1, 2019**Contract ID:** 42021-201186

Description: 26.40 mi of hot mix asphalt resurfacing, concrete sidewalk, sidewalk ramps, guardrail height adjustment and pavement markings on M-26 from US-41 in Phoenix north to Copper Harbor and on US-41 from Copper Harbor east to the end of US-41, Keweenaw County. This project includes two 3 year materials and workmanship pavement warranties.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201186A	N/A	N/A	M 42021
208391A	1901227	N/A	ST 42012

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$375,600.00	1500001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	10.000	Ft
0030	Guardrail, Rem	2040035	265.000	Ft
0040	Sidewalk, Rem	2040055	90.000	Syd
0050	Erosion Control, Inlet Protection, Fabric Drop	2080020	5.000	Ea
0060	Approach, CI II	3070021	362.000	Ton
0070	Shoulder, CI II	3070121	9,194.000	Ton
0080	Pavt, Cleaning	5010001	1.000	LSUM
0090	Cold Milling HMA Surface	5010002	25,069.000	Syd
0100	Bump Grinding	5010004	800.000	Syd
0110	HMA Surface, Rem	5010005	160.000	Syd
0120	HMA Quality Initiative	5010007	67,880.000	Dlr
0130	Pavt for Butt Joints, Rem	5010008	13,506.000	Syd
0140	Longitudinal Joint Density Quality Initiative	5010018	139,400.000	Dlr
0150	Hand Patching	5010025	1.000	Ton
0160	HMA Approach	5010061	831.000	Ton
0170	HMA, LVSP	5010703	33,108.000	Ton
0180	Membrane, Preformed Waterproofing	7100008	1,450.000	Sft
0190	Detectable Warning Surface	8030010	73.000	Ft
0200	Curb Ramp Opening, Conc	8030030	28.000	Ft
0210	Sidewalk Ramp, Conc, 6 inch	8030036	368.000	Sft
0220	Sidewalk, Conc, 6 inch	8030046	214.000	Sft
0230	_ Sidewalk Ramp, Conc, 6 inch, Decorative	8037010	252.000	Sft
0240	_ Sidewalk, Conc, 6 inch, Decorative	8037010	30.000	Sft
0250	Guardrail, Type MGS-8	8070004	213.000	Ft
0260	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea

0270	Guardrail Height, Adj	8070100	9,270.000	Ft
0280	Guardrail Post, Furn and Install, 72 inch	8070101	25.000	Ea
0290	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	72.000	Ft
0300	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	243,936.000	Ft
0310	Pavt Mrkg, Waterborne, 6 inch, White	8110233	278,800.000	Ft
0320	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	243,936.000	Ft
0330	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	278,800.000	Ft
0340	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0350	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	16.000	Ea
0360	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	16.000	Ea
0370	Pedestrian Type II Barricade, Temp	8120026	10.000	Ea
0380	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0390	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0400	Minor Traf Devices	8120170	1.000	LSUM
0410	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,000.000	Ft
0420	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	27,240.000	Ft
0430	Plastic Drum, Fluorescent, Furn	8120252	400.000	Ea
0440	Plastic Drum, Fluorescent, Oper	8120253	400.000	Ea
0450	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	50.000	Ft
0460	PTS System, Temp, Furn	8120270	2.000	Ea
0470	PTS System, Temp, Oper	8120271	2.000	Ea
0480	Sign Cover	8120310	7.000	Ea
0490	Sign, Type A, Temp, Prismatic, Furn	8120340	18.000	Sft
0500	Sign, Type A, Temp, Prismatic, Oper	8120341	18.000	Sft
0510	Sign, Type B, Temp, Prismatic, Furn	8120350	1,932.000	Sft
0520	Sign, Type B, Temp, Prismatic, Oper	8120351	1,932.000	Sft
0530	Traf Regulator Control	8120370	1.000	LSUM
0540	_ Pilot Car, Corrugations	8127051	1.000	LSUM
0550	Slope Restoration, Type A	8160100	200.000	Syd
0560	Monument Box	8210001	3.000	Ea
0570	Monument Box Adjust	8210005	163.000	Ea
0580	Monument Preservation	8210010	12.000	Ea
0590	Centerline Corrugations, Milled, HMA	8220013	130,170.000	Ft
0600	Contractor Staking, Road Only	8240007	1.000	LSUM
0610	Staking Plan Errors and Extras, One Person	8240020	34.000	Hr
0620	Staking Plan Errors and Extras, Two Person	8240021	14.000	Hr
0630	Staking Plan Errors and Extras, Three Person	8240022	21.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 065

Letting Date: November 1, 2019

Contract ID: 52011-201185

Description: 11.19 mi of hot mix asphalt overlay, guardrail height adjustments, shoulder gravel, berm grading, centerline and shoulder corrugations and pavement markings on M-95 from the north Dickinson county line at the north reference line of the Michigamme River bridge north to Kingfisher Road and on US-41 from west of Van Riper State Park west to Brown Road, Marquette County. This project includes a 3 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201185A	N/A	N/A	M 49879

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$251,900.00	1500001	1.000	LSUM
0020	_ Berm Grading	2057002	5.000	Sta
0030	Approach, CI II	3070021	138.000	Ton
0040	Shoulder, CI II	3070121	8,619.000	Ton
0050	Pavt, Cleaning	5010001	1.000	LSUM
0060	Cold Milling HMA Surface	5010002	3,440.000	Syd
0070	Bump Grinding	5010004	300.000	Syd
0080	HMA Quality Initiative	5010007	43,340.000	Dlr
0090	Pavt for Butt Joints, Rem	5010008	2,582.000	Syd
0100	Longitudinal Joint Density Quality Initiative	5010018	110,566.000	Dlr
0110	Hand Patching	5010025	20.000	Ton
0120	HMA, 5E3	5010057	18,731.000	Ton
0130	HMA Approach	5010061	102.000	Ton
0140	HMA, LVSP	5010703	2,817.000	Ton
0150	Guardrail Height, Adj	8070100	1,238.000	Ft
0160	Pavt Mrkg, Polyurea, Merge Arrow Symbol	8110107	4.000	Ea
0170	Pavt Mrkg, Waterborne, 4 inch, White	8110231	3,200.000	Ft
0180	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	42,500.000	Ft
0190	Pavt Mrkg, Waterborne, 6 inch, White	8110233	117,400.000	Ft
0200	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	3,200.000	Ft
0210	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	42,500.000	Ft
0220	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	117,400.000	Ft
0230	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
0240	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0250	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0260	Minor Traf Devices	8120170	1.000	LSUM

0270	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	1,040.000	Ft
0280	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	9,340.000	Ft
0290	Plastic Drum, Fluorescent, Furn	8120252	230.000	Ea
0300	Plastic Drum, Fluorescent, Oper	8120253	230.000	Ea
0310	Sign Cover	8120310	6.000	Ea
0320	Sign, Type B, Temp, Prismatic, Furn	8120350	1,624.000	Sft
0330	Sign, Type B, Temp, Prismatic, Oper	8120351	1,624.000	Sft
0340	Traf Regulator Control	8120370	1.000	LSUM
0350	Fertilizer, Chemical Nutrient, CI A	8160020	5.000	Lb
0360	Mulch	8160025	100.000	Syd
0370	Mulch Anchoring	8160026	100.000	Syd
0380	Seeding, Mixture THV	8160040	5.000	Lb
0390	Topsoil Surface, Furn, 4 inch	8160062	100.000	Syd
0400	Monument Box Adjust	8210005	4.000	Ea
0410	Centerline Corrugations, Milled, HMA	8220013	59,100.000	Ft
0420	Non-Freeway Shoulder Corrugations, Milled, HMA	8220025	30,700.000	Ft
0430	Contractor Staking, Road Only	8240007	1.000	LSUM
0440	Staking Plan Errors and Extras, One Person	8240020	20.000	Hr
0450	Staking Plan Errors and Extras, Two Person	8240021	8.000	Hr
0460	Staking Plan Errors and Extras, Three Person	8240022	12.000	Hr



Schedule of Pay Items

Report v1

Letting Call: 191101 066

Letting Date: November 1, 2019

Contract ID: 82000-203467

Description: 12.10 mi of installing center turn lane, signal upgrades, signing, ADA ramps and pavement markings on Harper Avenue from East Grand Boulevard to Morang Avenue 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
203467A	1901088	N/A	HSIP 82000
203469A	1901089	N/A	HSIP 82000

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$125,300.00	1500001	1.000	LSUM
0020	Dr Structure, Rem	2030011	6.000	Ea
0030	Sewer, Rem, 24 inch to 48 inch	2030016	20.000	Ft
0040	Pavt, Rem	2040050	300.000	Syd
0050	Exploratory Investigation, Vertical	2040080	60.000	Ft
0060	_ Curb, Rem, Modified	2047001	1,100.000	Ft
0070	_ Sidewalk, Rem, Modified	2047011	1,260.000	Syd
0080	Embankment, LM	2050011	100.000	Cyd
0090	Excavation, Earth	2050016	120.000	Cyd
0100	Granular Material, CI II	2050023	60.000	Cyd
0110	Non Haz Contaminated Material Handling and Disposal, LM	2050031	60.000	Cyd
0120	Project Cleanup	2090001	1.000	LSUM
0130	Aggregate Base, 4 inch	3020010	36.000	Syd
0140	Sewer, CI IV, 12 inch, Tr Det B	4020987	50.000	Ft
0150	Sewer Tap, 12 inch	4021204	8.000	Ea
0160	Dr Structure, 48 inch dia	4030210	4.000	Ea
0170	_ Dr Structure Cover, Adj, Case 1, Special	4037050	5.000	Ea
0180	_ Dr Structure Cover, Type COD-2, Modified	4037050	6.000	Ea
0190	_ Dr Structure, Cleaning, Modified	4037050	14.000	Ea
0200	_ Reconstructing Dr Structure, Case 1, Modified	4037050	5.000	Ea
0210	HMA Surface, Rem	5010005	300.000	Syd
0220	Hand Patching	5010025	40.000	Ton
0230	Driveway, Nonreinf Conc, 8 inch	8010007	36.000	Syd
0240	Curb, Conc, Det E4	8020004	300.000	Ft
0250	Curb and Gutter, Conc, Det C3	8020022	250.000	Ft
0260	Detectable Warning Surface	8030010	270.000	Ft

0270	Curb Ramp Opening, Conc	8030030	550.000	Ft
0280	Sidewalk Ramp, Conc, 6 inch	8030036	3,100.000	Sft
0290	Sidewalk, Conc, 4 inch	8030044	6,655.000	Sft
0300	Sidewalk, Conc, 6 inch	8030046	1,565.000	Sft
0310	Band, Sign	8100010	40.000	Ea
0320	Post Hole Through Conc for Steel Post	8100340	41.000	Ea
0330	Post, Steel, 3 lb	8100371	2,015.000	Ft
0340	Sign, Type III, Erect, Salv	8100402	4.000	Ea
0350	Sign, Type III, Rem	8100403	8.000	Ea
0360	Sign, Type IIIA	8100404	20.000	Sft
0370	Sign, Type IIIB	8100405	480.000	Sft
0380	Reflective Panel for Permanent Sign Support, 6 foot	8100616	123.000	Ea
0390	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	9,820.000	Ft
0400	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	325.000	Ft
0410	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	8110044	2,790.000	Ft
0420	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	282.000	Ft
0430	Pavt Mrkg, Ovly Cold Plastic, Bus	8110059	1.000	Ea
0440	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	40.000	Ea
0450	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	61.000	Ea
0460	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	8.000	Ea
0470	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	12.000	Ea
0480	Pavt Mrkg, Ovly Cold Plastic, Stop	8110075	1.000	Ea
0490	Pavt Mrkg, Ovly Cold Plastic, Thru and Lt Turn Arrow Sym	8110076	6.000	Ea
0500	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	6.000	Ea
0510	Pavt Mrkg, Ovly Cold Plastic, Thru Arrow Sym	8110078	4.000	Ea
0520	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	30,205.000	Ft
0530	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	65,900.000	Ft
0540	Rem Spec Mrkg	8110343	2,207.000	Sft
0550	Pavt Mrkg, Modified Urethane, 12 inch, Cross Hatching White	8110534	750.000	Ft
0560	Pavt Mrkg, Modified Urethane, 12 inch, Cross Hatching Yellow	8110536	1,950.000	Ft
0570	Pavt Mrkg, Modified Urethane, 4 inch, White	8110537	1,470.000	Ft
0580	_ Recessing for Pavt Mrkg, 6 inch, Modified	8117001	852.000	Ft
0590	_ Recessing for Pavt Mrkg, 12 inch, Modified	8117001	3,317.000	Ft
0600	_ Recessing for Pavt Mrkg, 18 inch, Modified	8117001	340.000	Ft
0610	_ Recessing for Pavt Mrkg, 24 inch, Modified	8117001	282.000	Ft
0620	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	100.000	Ea
0630	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	100.000	Ea
0640	Pedestrian Type II Barricade, Temp	8120026	100.000	Ea
0650	Pedestrian Type II Channelizer, Temp	8120027	600.000	Ft
0660	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0670	Lighted Arrow, Type C, Oper	8120141	4.000	Ea

0680	Minor Traf Devices	8120170	1.000	LSUM
0690	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	49,630.000	Ft
0700	Plastic Drum, High Intensity, Furn	8120250	200.000	Ea
0710	Plastic Drum, High Intensity, Oper	8120251	200.000	Ea
0720	Sign, Type B, Temp, Prismatic, Furn	8120350	400.000	Sft
0730	Sign, Type B, Temp, Prismatic, Oper	8120351	400.000	Sft
0740	Seeding, Mixture TUF	8160042	35.000	Lb
0750	Topsoil Surface, Furn, 12 inch	8160070	700.000	Syd
0760	Cable, Rem	8190016	3,730.000	Ft
0770	Cable, Sec, Rem	8190017	1,270.000	Ft
0780	Conduit, Rem	8190140	50.000	Ft
0790	Hh, Rem	8190254	1.000	Ea
0800	Hh, Round, 3 foot dia	8190259	1.000	Ea
0810	Light Std Arm, Rem	8190277	1.000	Ea
0820	Luminaire, Install Salv	8190350	3.000	Ea
0830	Luminaire, Rem	8190360	1.000	Ea
0840	Luminaire, Rem and Salv	8190365	3.000	Ea
0850	Cable, Sec, 600V, 1, 3/C#6	8190399	1,660.000	Ft
0860	Wood Pole, Fit Up, TS and Sec Cable Pole	8190500	1.000	Ea
0870	Wood Pole, Rem	8190505	7.000	Ea
0880	_ Cable, P.J., 600V, 1, 10/C#16	8197001	1,300.000	Ft
0890	_ Cable, P.J., 600V, 1, 12/C#16	8197001	510.000	Ft
0900	_ Cable, P.J., 600V, 1, 3/C#16	8197001	360.000	Ft
0910	_ Cable, P.J., 600V, 1, 7/C#16	8197001	1,590.000	Ft
0920	_ Cable, Shielded, 600V, 1, 2/C#12	8197001	220.000	Ft
0930	_ Conduit, Encased, 2, 3 inch, Modified	8197001	136.000	Ft
0940	_ Conduit, Encased, 3, 4 inch, Modified	8197001	70.000	Ft
0950	_ Wood Pole, Cl 2, 35 Foot	8197050	1.000	Ea
0960	Anchor Guy	8200001	3.000	Ea
0970	Pole Guy	8200002	1.000	Ea
0980	Case Sign, Rem	8200020	1.000	Ea
0990	Case Sign (LED), Two Way, 24 inch by 30 inch	8200022	8.000	Ea
1000	Controller and Cabinet, Rem	8200030	10.000	Ea
1010	Controller Fdn, Base Mount	8200045	3.000	Ea
1020	Controller Fdn, Rem	8200046	1.000	Ea
1030	Fdn, Rem	8200065	7.000	Ea
1040	Pedestal Fdn, Rem	8200106	1.000	Ea
1050	Pedestal, Rem	8200110	2.000	Ea
1060	Power Co. (Est. Cost to Contractor)	8200116	5,000.000	Dir
1070	Pushbutton and Sign	8200121	2.000	Ea
1080	Pushbutton, Rem	8200122	2.000	Ea
1090	Serv Disconnect	8200135	10.000	Ea
1100	Span Wire	8200140	18.000	Ea
1110	Span Wire, Rem	8200141	6.000	Ea
1120	Steel Pole, Rem	8200145	6.000	Ea

1130	Strain Pole, Steel, Anchor Base, 30 foot	8200155	13.000	Ea
1140	Strain Pole, Steel, Anchor Fdn	8200165	13.000	Ea
1150	Guy, Rem	8200167	11.000	Ea
1160	Strut Guy	8200168	1.000	Ea
1170	TS, Bracket Arm Mtd, Rem	8200175	8.000	Ea
1180	TS, 4th Level Arrow, Rem	8200176	1.000	Ea
1190	TS, Pedestal Mtd, Rem	8200179	2.000	Ea
1200	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	34.000	Ea
1210	TS, Pedestrian, Pedestal Mtd, Rem	8200181	5.000	Ea
1220	TS, Span Wire Mtd, Rem	8200182	10.000	Ea
1230	TS, One Way Span Wire Mtd (LED)	8200313	32.000	Ea
1240	TS, One Way Span Wire Mtd, FYA (LED)	8200314	1.000	Ea
1250	TS, 4th Level, LTGA (LED)	8200329	1.000	Ea
1260	TS, One Way Bracket Arm Mtd (LED)	8200333	3.000	Ea
1270	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	15.000	Ea
1280	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	20.000	Ea
1290	TS, One Way Pedestal Mtd (LED)	8200340	2.000	Ea
1300	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	1.000	Ea
1310	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	3.000	Ea
1320	Bracket, Truss, With 18 Foot Arm	8200378	11.000	Ea
1330	Casing	8200480	60.000	Ft
1340	_ Cellular Data Service for 3 Year	8207050	10.000	Ea
1350	_ Cellular Data Streaming for 2 hours per month and for 3 Year	8207050	11.000	Ea
1360	_ Controller and Cabinet, Digital Type, ITS	8207050	10.000	Ea
1370	_ Louvered Backplate	8207050	33.000	Ea
1380	_ Pedestal Alum, Modified	8207050	1.000	Ea
1390	_ Steel Pole, Paint	8207050	3.000	Ea
1400	_ Video Capture and Streaming System	8207050	11.000	Ea
1410	_ Video Detection and Analytics System	8207050	11.000	Ea
1420	_ Wireless Data Acquisition and Alerts System, Salv	8207050	1.000	Ea
1430	_ Wireless Data Acquisition, Alerts and Analytics System	8207050	10.000	Ea
1440	Monument Box Adjust	8210005	3.000	Ea
1450	_ Water Shutoff, Adj, Case 1, Modified	8237050	3.000	Ea