



8/19/2021 4:08 PM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 001**Letting Date:** October 1, 2021**Contract ID:** 41000-206101**Description:** Bridge reconstruction with 12 inch prestressed concrete box beams and approach work on Main Street over Cedar Creek in the city of Cedar Springs, Kent County. This is a Local Agency project.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
206101A	N/A	N/A	MCS 41000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$144,000.00	1100001	1.000	LSUM
0020	Dr Structure, Rem	2030011	4.000	Ea
0030	Sewer, Rem, Less than 24 inch	2030015	47.000	Ft
0040	Sewer, Rem, 24 inch to 48 inch	2030016	43.000	Ft
0050	Curb and Gutter, Rem	2040020	298.000	Ft
0060	Pavt, Rem	2040050	54.000	Syd
0070	Sidewalk, Rem	2040055	183.000	Syd
0080	Exploratory Investigation, Vertical	2040080	100.000	Ft
0090	Embankment, CIP	2050010	41.000	Cyd
0100	Excavation, Earth	2050016	366.000	Cyd
0110	Flowable Fill, Non-Structural	2050148	1.000	Cyd
0120	Erosion Control, Inlet Protection, Fabric Drop	2080020	5.000	Ea
0130	Erosion Control, Inlet Protection, Sediment Trap	2080024	4.000	Ea
0140	Erosion Control, Silt Fence	2080036	205.000	Ft
0150	_ Aggregate Base, 8.5 inch, Modified	3027011	533.000	Syd
0160	Open-Graded Dr Cse, CIP	3030030	107.000	Cyd
0170	Geotextile, Separator	3080005	377.000	Syd
0180	Steel Casing Pipe, 20 inch, Jacked in Place	4011123	50.000	Ft
0190	Sewer, Cl A, 12 inch, Tr Det B	4020033	52.000	Ft
0200	Sewer, Cl A, 24 inch, Tr Det B	4020036	57.000	Ft
0210	Sewer Tap, 12 inch	4021204	2.000	Ea
0220	Sewer Tap, 24 inch	4021207	1.000	Ea
0230	Video Taping Sewer and Culv Pipe	4021275	224.000	Ft
0240	Dr Structure Cover, Adj, Case 1	4030005	4.000	Ea
0250	Dr Structure Cover, Type B	4030010	3.000	Ea
0260	Dr Structure Cover, Type D	4030025	2.000	Ea
0270	Dr Structure Cover, Type K	4030050	2.000	Ea
0280	Dr Structure, 60 inch dia	4030220	1.000	Ea

0290	Dr Structure, Tap, 6 inch	4030306	4.000	Ea
0300	_ Dr Structure, 48 inch dia, Modified	4037050	3.000	Ea
0310	Underdrain, Pipe, Open-Graded, 6 inch	4040043	202.000	Ft
0320	Underdrain Outlet, 6 inch	4040093	90.000	Ft
0330	HMA Surface, Rem	5010005	916.000	Syd
0340	Hand Patching	5010025	5.000	Ton
0350	HMA Approach	5010061	131.000	Ton
0360	Conc Pavt, Bridge Approach, Reinf	6020600	294.000	Syd
0370	Reinforcement, Steel	7060090	99.000	Lb
0380	Curb and Gutter, Conc, Det F4	8020038	167.000	Ft
0390	_ Curb and Gutter, Conc, Det F3, Modified	8027001	85.000	Ft
0400	Sidewalk, Conc, 4 inch	8030044	964.000	Sft
0410	Curb Ramp, Conc, 6 inch	8032002	298.000	Sft
0420	Post Hole Through Conc for Steel Post	8100340	1.000	Ea
0430	Post, Steel, 3 lb	8100371	56.000	Ft
0440	Sign, Type III, Erect, Salv	8100402	2.000	Ea
0450	Sign, Type III, Rem	8100403	2.000	Ea
0460	Sign, Type IIIB	8100405	6.000	Sft
0470	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	1.000	Ea
0480	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	134.000	Ft
0490	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	205.000	Ft
0500	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	286.000	Ft
0510	Rem Curing Compound, for Spec Mrkg	8110321	5.000	Sft
0520	Witness, Log, \$1,250.00	8110351	1.000	Dir
0530	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	16.000	Ea
0540	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	16.000	Ea
0550	Minor Traf Devices	8120170	1.000	LSUM
0560	Plastic Drum, Fluorescent, Furn	8120252	20.000	Ea
0570	Plastic Drum, Fluorescent, Oper	8120253	20.000	Ea
0580	Sign, Type B, Temp, Prismatic, Furn	8120350	432.000	Sft
0590	Sign, Type B, Temp, Prismatic, Oper	8120351	432.000	Sft
0600	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	117.000	Sft
0610	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	117.000	Sft
0620	Slope Restoration, Type B	8160101	216.000	Syd
0630	Hydrant, Rem	8230091	1.000	Ea
0640	_ Water Main, DI, 12 inch, Modified	8237001	130.000	Ft
0650	_ Water Main, DI, 4 inch, Modified	8237001	75.000	Ft
0660	_ Water Main, DI, 8 inch, Modified	8237001	35.000	Ft
0670	_ Gate Valve and Box, 12 inch, Modified	8237050	2.000	Ea
0680	_ Hydrant Assembly	8237050	1.000	Ea
0690	_ Water Main Fitting, 12 inch, Modified	8237050	11.000	Ea
0700	_ Water Main Fitting, 4 inch, Modified	8237050	9.000	Ea
0710	_ Water Main Fitting, 8 inch, Modified	8237050	2.000	Ea

0720	_ Water Serv, 1 inch, Modified	8237050	1.000	Ea
0730	Contractor Staking	8240001	1.000	LSUM
0740	Staking Plan Errors and Extras, Max \$180/hour	8240002	25.000	Hr
0750	Sanitary Sewer, PVC, 8 inch, Tr Det B2	8252037	115.000	Ft
0760	Sanitary Structure, 48 inch dia	8252072	2.000	Ea
0770	Sanitary Structure Cover, Type Q	8252098	5.000	Ea
0780	Sanitary Structure, Tap, 8 inch	8252111	1.000	Ea
0790	Sanitary Structure, Tap, 12 inch	8252113	2.000	Ea
0800	_ Sanitary Structure Cover, Adj, Case 1	8257050	2.000	Ea
0810	_ Sanitary Structure Cover, Adj, Case 2	8257050	1.000	Ea

**Section: 2**

0820	Structures, Rem Portions (STR NO. 5185)	2040061	1.000	LSUM
0830	_ Dewatering System	2057051	1.000	LSUM
0840	Backfill, Structure, CIP	2060002	350.000	Cyd
0850	Excavation, Fdn	2060010	1,040.000	Cyd
0860	Underdrain, Fdn, 4 inch	4040031	200.000	Ft
0870	Underdrain Outlet, 4 inch	4040091	20.000	Ft
0880	Underdrain, Outlet Ending, 4 inch	4040111	2.000	Ea
0890	Steel Sheet Piling, Temp	7040002	1,000.000	Sft
0900	_ Cofferdams, Left in Place, Special (STR NO. 5185)	7047051	1.000	LSUM
0910	Pile Driving Equipment, Furn (STR NO. 5185)	7050002	1.000	LSUM
0920	Pile, Steel, Furn and Driven, 12 inch	7050030	3,205.000	Ft
0930	Test Pile, Steel, 12 inch	7050031	4.000	Ea
0940	Pile Point, Steel	7050039	54.000	Ea
0950	Pile, Steel, Splice	7050050	54.000	Ea
0960	Bridge Ltg, Furn and Rem (STR NO. 5185)	7060001	1.000	LSUM
0970	Bridge Ltg, Oper and Maintain	7060002	70.000	Cyd
0980	False Decking	7060060	4,320.000	Sft
0990	Reinforcement, Steel, Epoxy Coated	7060092	40,927.000	Lb
1000	Substructure Conc	7060100	321.000	Cyd
1010	Superstructure Conc	7060110	48.000	Cyd
1020	Superstructure Conc, Form, Finish, and Cure (STR NO. 5185)	7060111	1.000	LSUM
1030	Superstructure Conc, Form, Finish, and Cure, Night Casting (STR NO. 5185)	7060112	1.000	LSUM
1040	Superstructure Conc, Night Casting	7060113	70.000	Cyd
1050	Sealing Localized Cracks	7060220	1.000	LSUM
1060	Conc, Grade 3500	7062001	268.000	Cyd
1070	Bearing, Elastomeric, 1 inch	7070012	5,038.000	Sin
1080	Prest Conc Box Beam, Furn, 12 inch	7080051	329.000	Ft
1090	Prest Conc Box Beam, Erect, 12 inch	7080052	329.000	Ft
1100	Joint Waterproofing	7100001	454.000	Sft
1110	Joint Waterproofing, Expansion	7100003	71.000	Sft
1120	Conc Surface Coating	7100011	128.000	Syd

1130	Substructure Horizontal Surface Sealer	7100030	9.000	Syd
1140	Bridge Railing, 4 Tube	7110010	45.000	Ft
1150	Riprap, Plain	8130010	40.000	Syd

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 002**Letting Date:** October 1, 2021**Contract ID:** 77091-200119

**Description:** 1.56 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, drainage, signing, guardrail and pavement markings and bridge rehabilitation including epoxy overlay, deck joint replacement, scour countermeasures, substructure repairs, concrete surface coating, silane treatment with approach work on M-25 over the Black River Spillway and on M-25 from Hancock Street to M-136 in the city of Port Huron, St. Clair County. This project includes a 2 year warranty on concrete surface coating, a 5 year epoxy performance warranty and a 5 year materials and workmanship pavement warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
200119A	21A0854	N/A	NH 77091
208272A	21A0857	N/A	NH 77091

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Conc Quality Initiative	1000030	1,488.000	Dir
0020	Mobilization, Max \$436,000.00	1100001	1.000	LSUM
0030	Clearing	2010001	0.100	Acre
0040	Dr Structure, Rem	2030011	11.000	Ea
0050	Sewer, Rem, Less than 24 inch	2030015	322.000	Ft
0060	Sewer, Rem, 24 inch to 48 inch	2030016	16.000	Ft
0070	Curb and Gutter, Rem	2040020	5,440.000	Ft
0080	Fence, Rem	2040025	10.000	Ft
0090	Guardrail, Rem	2040035	890.000	Ft
0100	Masonry and Conc Structure, Rem	2040045	20.000	Cyd
0110	Pavt, Rem	2040050	2,985.000	Syd
0120	Sidewalk, Rem	2040055	195.000	Syd
0130	Exploratory Investigation, Vertical	2040080	25.000	Ft
0140	_ Bollard, Rem	2047050	2.000	Ea
0150	Embankment, CIP	2050010	700.000	Cyd
0160	Excavation, Earth	2050016	3,086.000	Cyd
0170	Non Haz Contaminated Material Handling and Disposal, LM	2050031	1,242.000	Cyd
0180	Subgrade Undercutting, Type II	2050041	100.000	Cyd
0190	_ Geosynthetic Clay Liner	2057001	100.000	Ft
0200	Erosion Control, Inlet Protection, Fabric Drop	2080020	36.000	Ea
0210	Erosion Control, Maintenance, Sediment Rem	2080026	16.000	Cyd
0220	Erosion Control, Silt Fence	2080036	2,470.000	Ft
0230	Erosion Control, Turbidity Curtain, Deep	2080042	180.000	Ft

0240	Project Cleanup	2090001	1.000	LSUM
0250	Subbase, CIP	3010002	1,556.000	Cyd
0260	Aggregate Base, 6 inch	3020016	3,124.000	Syd
0270	Driveway Maintenance, Commercial	3062000	10.000	Ea
0280	Intersection Maintenance	3062002	1.000	Ea
0290	Sewer, CI A, 12 inch, Tr Det A	4020004	8.000	Ft
0300	Sewer, CI A, 12 inch, Tr Det B	4020033	398.000	Ft
0310	Sewer, CI A, 18 inch, Tr Det B	4020035	352.000	Ft
0320	Sewer, CI A, 30 inch, Tr Det B	4020037	70.000	Ft
0330	Sewer, CI E, 12 inch, Tr Det B	4020600	33.000	Ft
0340	Video Taping Sewer and Culv Pipe	4021275	861.000	Ft
0350	Dr Structure Cover, Adj, Case 1, Modified	4030004	21.000	Ea
0360	Dr Structure Cover, Adj, Case 1	4030005	30.000	Ea
0370	Dr Structure Cover, Adj, Case 2	4030006	2.000	Ea
0380	Dr Structure Cover, Type B	4030010	13.000	Ea
0390	Dr Structure Cover, Type D	4030025	3.000	Ea
0400	Dr Structure Cover, Type E	4030035	2.000	Ea
0410	Dr Structure Cover, Type K	4030050	2.000	Ea
0420	Dr Structure Lead, Cleaning, 12 inch	4030112	250.000	Ft
0430	Dr Structure Lead, Cleaning, 18 inch	4030118	250.000	Ft
0440	Dr Structure Lead, Cleaning, 24 inch	4030124	100.000	Ft
0450	Dr Structure, 24 inch dia	4030200	3.000	Ea
0460	Dr Structure, 48 inch dia	4030210	9.000	Ea
0470	Dr Structure, 60 inch dia	4030220	1.000	Ea
0480	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	7.000	Ft
0490	Dr Structure, Add Depth of 60 inch dia, 8 foot to 15 foot	4030260	3.000	Ft
0500	Dr Structure, Cleaning	4030290	36.000	Ea
0510	Dr Structure, Tap, 6 inch	4030306	14.000	Ea
0520	Dr Structure, Tap, 12 inch	4030312	6.000	Ea
0530	_ Cured-in-Place Mh Lining	4037001	51.000	Ft
0540	_ Dr Structure Repr, Add Depth, Composite Pavt	4037001	1.000	Ft
0550	_ Dr Structure, Cementitious Coating	4037001	198.000	Ft
0560	_ Dr Structure Repr, Composite Pavt	4037050	20.000	Ea
0570	_ Dr Structure, Chemical Grouting	4037050	15.000	Ea
0580	Underdrain, Subbase, 6 inch	4040063	820.000	Ft
0590	Video Inspection of Underdrain	4040200	820.000	Ft
0600	Cold Milling HMA Surface	5010002	60,950.000	Syd
0610	HMA Surface, Rem	5010005	3,420.000	Syd
0620	HMA Quality Initiative	5010007	32,870.000	Dlr
0630	Pavt for Butt Joints, Rem	5010008	28.000	Syd
0640	Longit Joint Density Quality Initiative	5010018	31,970.000	Dlr
0650	Hand Patching	5010025	2,920.000	Ton
0660	HMA Approach	5010061	186.000	Ton

0670	HMA Approach, High Stress	5010520	1,132.000	Ton
0680	HMA, 4EML, High Stress	5012073	7,364.000	Ton
0690	HMA, 5EML, High Stress	5012085	4,833.000	Ton
0700	_ Pavt Joint and Crack Repr, Det 7, Spec	5017001	10,800.000	Ft
0710	_ Pavt Joint and Crack Repr, Det 8, Spec	5017001	5,400.000	Ft
0720	Conc Base Cse, Nonreinf, 9 inch	6020021	1,725.000	Syd
0730	Joint, Contraction, Cp	6020200	24.000	Ft
0740	Joint, Expansion, E2	6020207	120.000	Ft
0750	Joint, Expansion, E3	6020208	120.000	Ft
0760	Conc Pavt, Bridge Approach, Reinf, High Performance	6022000	400.000	Syd
0770	Cold Milling Conc Pavt	6030014	10,657.000	Syd
0780	Joint, Contraction, Crg	6030020	48.000	Ft
0790	Joint, Expansion, Erg	6030021	120.000	Ft
0800	Lane Tie, Epoxy Anchored	6030030	20.000	Ea
0810	Pavt Repr, Nonreinf Conc, 9 inch	6030046	80.000	Syd
0820	Pavt Repr, Rem	6030080	82.000	Syd
0830	Pipe Sleeve, 10 inch	7060072	2.000	Ea
0840	Reinforcement, Steel, Culv and Headwall	7060091	148.000	Lb
0850	Conc, Grade 3500	7062001	4.000	Cyd
0860	_ Bentonite Plugs	8007050	1.000	Ea
0870	Driveway, Nonreinf Conc, 8 inch	8010007	451.000	Syd
0880	Curb and Gutter, Conc, Det F3	8020037	139.000	Ft
0890	Curb and Gutter, Conc, Det F4	8020038	185.000	Ft
0900	Curb and Gutter, Conc, Det F5	8020039	16.000	Ft
0910	Curb and Gutter, Conc, Det F6	8020040	4,685.000	Ft
0920	Driveway Opening, Conc, Det M	8020050	1,710.000	Ft
0930	_ Curb and Gutter, Conc, Det F6, Modified	8027001	225.000	Ft
0940	Detectable Warning Surface	8030010	25.000	Ft
0950	Curb Ramp Opening, Conc	8030030	36.000	Ft
0960	Sidewalk, Conc, 4 inch	8030044	2,075.000	Sft
0970	Curb Ramp, Conc, 6 inch	8032002	565.000	Sft
0980	Guardrail, Type MGS-8	8070004	688.000	Ft
0990	Guardrail Approach Terminal, Type 2M	8070044	1.000	Ea
1000	Guardrail Reflector	8070080	14.000	Ea
1010	Guardrail Anch, Bridge, Det M1	8070130	1.000	Ea
1020	_ Conc Barrier End Terminal, Restricted Length, 40 Foot	8077050	1.000	Ea
1030	Fence, Protective	8080007	800.000	Ft
1040	Fence, Chain Link, 48 inch	8080011	72.000	Ft
1050	Fence, Chain Link, 72 inch	8080013	10.000	Ft
1060	Fdn, Wood Support, Rem	8100280	6.000	Ea
1070	Post, Steel, 3 lb	8100371	104.000	Ft
1080	Post, Wood, 4 inch by 6 inch	8100380	56.000	Ft
1090	Sign, Type II, Erect, Salv	8100396	2.000	Ea
1100	Sign, Type II, Rem	8100397	2.000	Ea

1110	Sign, Type III, Erect, Salv	8100402	4.000	Ea
1120	Sign, Type III, Rem	8100403	66.000	Ea
1130	Sign, Type IIIB	8100405	14.000	Sft
1140	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	1,506.000	Ft
1150	Pavt Mrkg, Polyurea, 12 inch, Cross Hatching, White	8110108	153.000	Ft
1160	Pavt Mrkg, Polyurea, 12 inch, Cross Hatching, Yellow	8110109	255.000	Ft
1170	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	594.000	Ft
1180	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	154.000	Ft
1190	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	9,568.000	Ft
1200	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	8110156	21,439.000	Ft
1210	Rem Spec Mrkg	8110343	790.000	Sft
1220	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	15.000	Ea
1230	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	10.000	Ea
1240	Pavt Mrkg, Polyurea, Thru and Rt Turn Arrow Sym	8110417	2.000	Ea
1250	Recessing Pavt Mrkg, Longit	8110450	30,510.000	Ft
1260	Recessing Pavt Mrkg, Guide Line	8110453	49.000	Ft
1270	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Dotted Turning Guide Line, White	8110562	49.000	Ft
1280	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	72.000	Ea
1290	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	72.000	Ea
1300	Pedestrian Type II Barricade, Temp	8120026	16.000	Ea
1310	Pedestrian Type II Channelizer, Temp	8120027	240.000	Ft
1320	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	561.000	Ea
1330	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	561.000	Ea
1340	Conc Barrier Ending, Temp, Det 2, Adj	8120040	2.000	Ea
1350	Conc Barrier Ending, Temp, Det 2, Furn	8120041	2.000	Ea
1360	Conc Barrier Ending, Temp, Det 2, Oper	8120042	2.000	Ea
1370	Conc Barrier, Temp, Limited Deflection, Reflector Replacement	8120086	4.000	Ea
1380	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
1390	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
1400	Ltg for Night Work	8120160	1.000	LSUM
1410	Minor Traf Devices	8120170	1.000	LSUM
1420	Mobile Attenuator	8120180	2.000	Ea
1430	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	31,494.000	Ft
1440	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	220.000	Ft
1450	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	20,225.000	Ft
1460	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	2,650.000	Ft
1470	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	31,161.000	Ft
1480	Plastic Drum, Fluorescent, Furn	8120252	300.000	Ea
1490	Plastic Drum, Fluorescent, Oper	8120253	300.000	Ea
1500	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch,	8120265	572.000	Ft



Stop Bar				
1510	Sign Cover	8120310	20.000	Ea
1520	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	6.000	Ea
1530	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	6.000	Ea
1540	Sign, Type A, Temp, Prismatic, Furn	8120340	163.000	Sft
1550	Sign, Type A, Temp, Prismatic, Oper	8120341	163.000	Sft
1560	Sign, Type B, Temp, Prismatic, Furn	8120350	2,233.000	Sft
1570	Sign, Type B, Temp, Prismatic, Oper	8120351	2,233.000	Sft
1580	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	506.000	Sft
1590	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	506.000	Sft
1600	Traf Regulator Control	8120370	1.000	LSUM
1610	Conc Barrier, Temp, Limited Deflection, Det 1, Furn	8121000	240.000	Ft
1620	Conc Barrier, Temp, Limited Deflection, Det 1, Oper	8121001	240.000	Ft
1630	Conc Barrier, Temp, Limited Deflection, Det 1, Adj	8121002	235.000	Ft
1640	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	14,454.000	Ft
1650	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	635.000	Ft
1660	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	8122004	8,090.000	Ft
1670	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, Yellow, Temp	8122006	150.000	Ft
1680	Pedestrian Path, Temp	8122250	60.000	Ft
1690	Pedestrian Ramp, Temp	8122251	4.000	Ea
1700	Rebuilding Michigan Sign, Type VA, Modified, Temp, Furn	8123000	2.000	Ea
1710	Rebuilding Michigan Sign, Type VA, Modified, Temp, Oper	8123001	2.000	Ea
1720	Riprap, Plain	8130010	24.000	Syd
1730	Slope Restoration, Type B	8160101	6,036.000	Syd
1740	Slope Restoration, Type C	8160102	890.000	Syd
1750	Slope Restoration, Type D	8160103	450.000	Syd
1760	Conduit, Rem	8182000	25.000	Ft
1770	Span Wire, Rem	8200141	14.000	Ea
1780	Loop Detector, Rem	8200173	1.000	Ea
1790	Wireless Vehicle Detection System	8200422	1.000	Ea
1800	Wireless Vehicle Sensor Node	8200425	41.000	Ea
1810	Wireless Vehicle Sensor Node, Rem	8200426	35.000	Ea
1820	TS Head, Adj	8200452	97.000	Ea
1830	TS Head, Temp	8200453	2.000	Ea
1840	TS Face, Bag	8200458	4.000	Ea
1850	TS Face, Bag, Rem	8200459	4.000	Ea
1860	Monument Box	8210001	1.000	Ea
1870	Monument Preservation	8210010	1.000	Ea
1880	Gate Box, Adj, Case 1	8230431	9.000	Ea
1890	Contractor Staking	8240001	1.000	LSUM

1900	Staking Plan Errors and Extras, Max \$180/hour	8240002	46.000	Hr
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**Section: 2**

1910	_ Relocation and Site Cleanup (B01 of 77091)	1077051	1.000	LSUM
1920	Backfill, Structure, CIP	2060002	100.000	Cyd
1930	Excavation, Fdn	2060010	100.000	Cyd
1940	Underdrain, Fdn, 4 inch	4040031	40.000	Ft
1950	Underdrain Outlet, 4 inch	4040091	40.000	Ft
1960	Underdrain, Outlet Ending, 4 inch	4040111	2.000	Ea
1970	HMA Patch, Rem	5010006	2.000	Syd
1980	Expansion Joint Device	7060050	176.000	Ft
1990	Expansion Joint Device, Cover Plate	7060051	44.000	Ft
2000	False Decking	7060060	2,052.000	Sft
2010	Reinforcement, Steel, Epoxy Coated	7060092	7,305.000	Lb
2020	Substructure Conc, High Performance	7060101	24.000	Cyd
2030	Conc, Grade 4500HP	7062004	30.000	Cyd
2040	_ Expansive Waterstop	7067001	16.000	Ft
2050	Joint Waterproofing	7100001	243.000	Sft
2060	Conc Surface Coating, Warranty (B01 of 77091)	7100009	1.000	LSUM
2070	Substructure Horizontal Surface Sealer (B01 of 77091)	7100030	30.000	Syd
2080	_ Silane Treatment	7107010	1,353.000	Sft
2090	Hand Chipping, Deep	7120004	58.000	Syd
2100	Hand Chipping, Other Than Deck	7120007	254.000	Cft
2110	Patch, Forming	7120017	320.000	Sft
2120	Epoxy Ovly, Rem	7120021	1,174.000	Syd
2130	Structures, Rehabilitation, Rem Portions (B01 of 77091)	7120070	1.000	LSUM
2140	Deck Joint, Rem	7120071	173.000	Ft
2150	Reinforcement, Mechanical Splice	7120084	16.000	Ea
2160	Patching Conc, C-L	7120112	10.000	Cyd
2170	_ High Friction Epoxy Ovly, Warranty	7127011	1,545.000	Syd
2180	_ Riprap, Under Structures, Class II	8137031	1,362.000	Ton



8/19/2021 4:08 PM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 003**Letting Date:** October 1, 2021**Contract ID:** 66013-123247-2

**Description:** Bridge rehabilitation including deck replacement, substructure repairs, scour countermeasures, beam end repairs, steel cleaning and coating and approach work on M-64 over Floodwood River, US-141 over East Branch Net River and US-45 over Roselawn Creek, Iron and Ontonagon Counties. This project includes a 2 year bridge coating warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
123247A	21A0247	N/A	ST 66013
132147A	21A0252	N/A	NH 66031
132153A	21A0858	N/A	NH 36052

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$331,600.00	1100001	1.000	LSUM
0020	Clearing	2010001	0.030	Acre
0030	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0040	Culv, End, Rem, Less than 24 inch	2030005	3.000	Ea
0050	Dr Structure, Rem	2030011	8.000	Ea
0060	Sewer, Rem, Less than 24 inch	2030015	265.000	Ft
0070	Curb and Gutter, Rem	2040020	413.000	Ft
0080	Guardrail, Rem	2040035	2,146.000	Ft
0090	Pavt, Rem	2040050	496.000	Syd
0100	Embankment, CIP	2050010	291.000	Cyd
0110	Excavation, Earth	2050016	625.000	Cyd
0120	Erosion Control, Maintenance, Sediment Rem	2080026	50.000	Cyd
0130	Erosion Control, Silt Fence	2080036	3,718.000	Ft
0140	Erosion Control, Turbidity Curtain, Deep	2080042	410.000	Ft
0150	Subbase, CIP	3010002	426.000	Cyd
0160	Aggregate Base	3020001	435.000	Ton
0170	Aggregate Base, LM	3020002	181.000	Cyd
0180	Aggregate Base, Conditioning	3020050	6,526.000	Syd
0190	Approach, CI II	3070021	52.000	Ton
0200	Shld, CI I	3070101	33.000	Ton
0210	Shld, CI II	3070121	148.000	Ton
0220	Trenching	3070200	4.000	Sta
0230	HMA Surface, Rem	5010005	6,652.000	Syd
0240	HMA Quality Initiative	5010007	2,930.000	Dlr
0250	Longit Joint Density Quality Initiative	5010018	10,803.000	Dlr

0260	Hand Patching	5010025	5.000	Ton
0270	HMA Approach	5010061	30.000	Ton
0280	HMA, 4EML	5012025	893.000	Ton
0290	HMA, 5EML	5012037	537.000	Ton
0300	HMA, Temp Pavt (4EML)	5012103	84.000	Ton
0310	Joint, Expansion, E3	6020208	389.000	Ft
0320	Conc Pavt, Bridge Approach, Reinf	6020600	935.000	Syd
0330	Curb and Gutter, Bridge Approach, Det 5	8022016	181.000	Ft
0340	Curb and Gutter, Bridge Approach, Det 6	8022017	235.000	Ft
0350	Curb and Gutter, Bridge Approach, Det 6A	8022019	163.000	Ft
0360	Guardrail, Type MGS-8	8070004	735.000	Ft
0370	Guardrail, Curved, Type B	8070010	101.000	Ft
0380	Guardrail Anch, Bridge, Det T2	8070023	1.000	Ea
0390	Guardrail Approach Terminal, Type 2M	8070044	9.000	Ea
0400	Guardrail Departing Terminal, Type B	8070050	3.000	Ea
0410	Guardrail Reflector	8070080	78.000	Ea
0420	Post, Mailbox	8070095	1.000	Ea
0430	Guardrail, Reconst, Type B	8070105	163.000	Ft
0440	Guardrail Anch, Bridge, Det M1	8070130	8.000	Ea
0450	Guardrail Anch, Bridge, Det M4	8070133	3.000	Ea
0460	Delineator Reflector, Green	8100133	12.000	Ea
0470	Fdn, Wood Support, Rem	8100280	3.000	Ea
0480	Post, Rigid, Delineator	8100361	10.000	Ea
0490	Post, Steel, 3 lb	8100371	60.000	Ft
0500	Post, Wood, 4 inch by 6 inch	8100380	112.000	Ft
0510	Sign, Type II, Erect, Salv	8100396	1.000	Ea
0520	Sign, Type III, Erect, Salv	8100402	3.000	Ea
0530	Sign, Type III, Rem	8100403	10.000	Ea
0540	Sign, Type IIIA	8100404	9.000	Sft
0550	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,300.000	Ft
0560	Pavt Mrkg, Waterborne, 6 inch, White	8110233	7,650.000	Ft
0570	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,300.000	Ft
0580	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	7,650.000	Ft
0590	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	412.000	Ft
0600	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	704.000	Ft
0610	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
0620	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	33.000	Ea
0630	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	33.000	Ea
0640	Conc Barrier Ending, Temp, Det 2, Adj	8120040	2.000	Ea
0650	Conc Barrier Ending, Temp, Det 2, Furn	8120041	3.000	Ea
0660	Conc Barrier Ending, Temp, Det 2, Oper	8120042	3.000	Ea
0670	Conc Barrier Ending, Temp, Det 2, Relocated	8120043	1.000	Ea
0680	Conc Barrier Ending, Temp, Det 5, Adj	8120060	2.000	Ea

0690	Conc Barrier Ending, Temp, Det 5, Furn	8120061	3.000	Ea
0700	Conc Barrier Ending, Temp, Det 5, Oper	8120062	3.000	Ea
0710	Conc Barrier Ending, Temp, Det 5, Relocated	8120063	1.000	Ea
0720	Conc Barrier, Temp, Adj	8120080	1,225.000	Ft
0730	Conc Barrier, Temp, Furn	8120081	1,225.000	Ft
0740	Conc Barrier, Temp, Oper	8120082	1,225.000	Ft
0750	Lighted Arrow, Type C, Furn	8120140	5.000	Ea
0760	Lighted Arrow, Type C, Oper	8120141	5.000	Ea
0770	Minor Traf Devices	8120170	1.000	LSUM
0780	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	5,500.000	Ft
0790	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	4,200.000	Ft
0800	Plastic Drum, Fluorescent, Furn	8120252	200.000	Ea
0810	Plastic Drum, Fluorescent, Oper	8120253	200.000	Ea
0820	Pavt Mrkg, Wet Reflective, Type R, Tape, Rt Turn Arrow	8120258	1.000	Ea
0830	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	102.000	Ft
0840	PTS System, Temp, Furn	8120270	4.000	Ea
0850	PTS System, Temp, Oper	8120271	4.000	Ea
0860	Sign Cover	8120310	10.000	Ea
0870	Sign, Type A, Temp, Prismatic, Furn	8120340	48.000	Sft
0880	Sign, Type A, Temp, Prismatic, Oper	8120341	48.000	Sft
0890	Sign, Type B, Temp, Prismatic, Furn	8120350	1,850.000	Sft
0900	Sign, Type B, Temp, Prismatic, Oper	8120351	1,850.000	Sft
0910	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	140.000	Sft
0920	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	140.000	Sft
0930	Traf Regulator Control	8120370	1.000	LSUM
0940	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	7,300.000	Ft
0950	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	6,000.000	Ft
0960	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, Yellow, Temp	8122006	200.000	Ft
0970	Speed Radar Trailer, Temp	8122028	2.000	Ea
0980	Riprap, Plain	8130010	40.000	Syd
0990	Slope Restoration, Type A	8160100	910.000	Syd
1000	Slope Restoration, Type B	8160101	2,557.000	Syd
1010	Monument Box Adj	8210005	1.000	Ea
1020	Monument Preservation	8210010	1.000	Ea
1030	Centerline Corrugations, Milled, Conc	8220012	285.000	Ft
1040	Non-Freeway Shld Corrugations, Milled, HMA	8220025	570.000	Ft
1050	Contractor Staking	8240001	1.000	LSUM
1060	Staking Plan Errors and Extras, Max \$180/hour	8240002	39.000	Hr

**Section: 2**

1070	_ Stream Diversion for Scour Countermeasure Placement	1047051	1.000	LSUM
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1080	Excavation, Fdn	2060010	308.000	Cyd
1090	_ Articulating Conc Block System, 6 inch	2087011	382.000	Syd
1100	Underdrain, Fdn, 4 inch	4040031	186.000	Ft
1110	Underdrain Outlet, 4 inch	4040091	80.000	Ft
1120	Underdrain, Outlet Ending, 4 inch	4040111	4.000	Ea
1130	Bridge Ltg, Furn and Rem (B01 of 66031)	7060001	1.000	LSUM
1140	Bridge Ltg, Furn and Rem (B04 of 36052)	7060001	1.000	LSUM
1150	Bridge Ltg, Furn and Rem (B08 of 66013)	7060001	1.000	LSUM
1160	Bridge Ltg, Oper and Maintain	7060002	486.000	Cyd
1170	Expansion Joint Device	7060050	272.000	Ft
1180	False Decking	7060060	17,290.000	Sft
1190	Reinforcement, Steel, Epoxy Coated	7060092	115,193.000	Lb
1200	Substructure Conc	7060100	4.000	Cyd
1210	Superstructure Conc	7060110	41.000	Cyd
1220	Superstructure Conc, Form, Finish, and Cure (B08 of 66013)	7060111	1.000	LSUM
1230	Superstructure Conc, Form, Finish, and Cure, Night Casting (B01 of 66031)	7060112	1.000	LSUM
1240	Superstructure Conc, Form, Finish, and Cure, Night Casting (B04 of 36052)	7060112	1.000	LSUM
1250	Superstructure Conc, Form, Finish, and Cure, Night Casting (B08 of 66013)	7060112	1.000	LSUM
1260	Superstructure Conc, Night Casting	7060113	486.000	Cyd
1270	Sealing Localized Cracks (B01 of 66031)	7060220	1.000	LSUM
1280	Sealing Localized Cracks (B04 of 36052)	7060220	1.000	LSUM
1290	Sealing Localized Cracks (B08 of 66013)	7060220	1.000	LSUM
1300	Shear Developers (B01 of 66031)	7070040	1.000	LSUM
1310	Shear Developers (B04 of 36052)	7070040	1.000	LSUM
1320	Shear Developers (B08 of 66013)	7070040	1.000	LSUM
1330	Joint Waterproofing	7100001	440.000	Sft
1340	Joint Waterproofing, Expansion	7100003	138.000	Sft
1350	Substructure Horizontal Surface Sealer (B01 of 66031)	7100030	28.000	Syd
1360	Substructure Horizontal Surface Sealer (B04 of 36052)	7100030	11.000	Syd
1370	_ Silane Treatment	7107010	3,397.000	Sft
1380	Bridge Railing, Aesthetic Parapet Tube	7110005	453.000	Ft
1390	Bridge Railing, 4 Tube	7110010	220.000	Ft
1400	Hand Chipping, Other Than Deck	7120007	234.000	Cft
1410	Patch, Forming	7120017	746.000	Sft
1420	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	28.000	Ea
1430	Adhesive Anchoring of Vertical Bar, 3/4 inch	7120034	166.000	Ea
1440	Structures, Rehabilitation, Rem Portions (B01 of 66031)	7120070	1.000	LSUM
1450	Structures, Rehabilitation, Rem Portions (B04 of 36052)	7120070	1.000	LSUM
1460	Structures, Rehabilitation, Rem Portions (B08 of 66013)	7120070	1.000	LSUM
1470	Top Flanges and Beam Ends, Clean and Coat	7120100	218.000	Syd

1480	Patching Conc, C-L	7120112	9.000	Cyd
1490	Embedded Galvanic Anode	7120120	170.000	Ea
1500	Beam Plate, Seal Perimeter	7130010	571.000	Ft
1510	Structural Steel, Retrofit, Furn, Fab, and Erect	7130071	3,014.000	Lb
1520	End Diaphragm, Rem and Replace	7150010	4.000	Ea
1530	Steel Structure, Cleaning, Type 4 (B01 of 66031)	7150045	1.000	LSUM
1540	Steel Structure, Cleaning, Type 4 (B08 of 66013)	7150045	1.000	LSUM
1550	Steel Structure, Coating, Type 4 (B01 of 66031)	7150046	1.000	LSUM
1560	Steel Structure, Coating, Type 4 (B08 of 66013)	7150046	1.000	LSUM
1570	_ Riprap, Under Structures, Class II	8137031	298.000	Ton
1580	_ Riprap, Under Structures, Plain	8137031	112.000	Ton

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8/19/2021 4:08 PM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 004

**Letting Date:** October 1, 2021

**Contract ID:** 82211-206133

**Description:** Traffic signal modernizations and sidewalk ramp upgrades on M-85 at multiple intersections in the cities of Trenton, Riverview and Gibraltar, Wayne County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
206133A	21A0861	N/A	STG 82211

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$169,100.00	1100001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	192.000	Ft
0030	Guardrail, Rem	2040035	13.000	Ft
0040	Masonry and Conc Structure, Rem	2040045	8.000	Cyd
0050	Pavt, Rem	2040050	10.000	Syd
0060	Sidewalk, Rem	2040055	296.000	Syd
0070	Exploratory Investigation, Vertical	2040080	200.000	Ft
0080	Embankment, CIP	2050010	24.000	Cyd
0090	Excavation, Earth	2050016	51.000	Cyd
0100	Non Haz Contaminated Material Handling and Disposal, LM	2050031	111.000	Cyd
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	5.000	Ea
0120	Erosion Control, Silt Fence	2080036	200.000	Ft
0130	Subbase, CIP	3010002	34.000	Cyd
0140	Maintenance Gravel	3060020	50.000	Ton
0150	HMA Surface, Rem	5010005	10.000	Syd
0160	Hand Patching	5010025	4.000	Ton
0170	_ Vibration Monitoring, Utility	8007051	1.000	LSUM
0180	Detectable Warning Surface	8030010	95.000	Ft
0190	Curb Ramp Opening, Conc	8030030	197.000	Ft
0200	Curb Ramp, Conc, 6 inch	8032002	2,622.000	Sft
0210	Guardrail, Reconst, Type B	8070105	13.000	Ft
0220	Post, Steel, 3 lb	8100371	130.000	Ft
0230	Sign, Type III, Erect, Salv	8100402	6.000	Ea
0240	Sign, Type III, Rem	8100403	6.000	Ea
0250	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	692.000	Ft
0260	Rem Spec Mrkg	8110343	330.000	Sft
0270	Recessing Pavt Mrkg, Transv	8110451	347.000	Sft



0280	Pedestrian Type II Barricade, Temp	8120026	6.000	Ea
0290	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0300	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0310	Minor Traf Devices	8120170	1.000	LSUM
0320	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	280.000	Ft
0330	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	80.000	Ft
0340	Pavt Mrkg, Type NR, Paint, 6 inch, Crosswalk	8120215	280.000	Ft
0350	Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar	8120216	80.000	Ft
0360	Plastic Drum, Fluorescent, Furn	8120252	110.000	Ea
0370	Plastic Drum, Fluorescent, Oper	8120253	110.000	Ea
0380	Sign Cover	8120310	8.000	Ea
0390	Sign, Type B, Temp, Prismatic, Furn	8120350	2,620.000	Sft
0400	Sign, Type B, Temp, Prismatic, Oper	8120351	2,620.000	Sft
0410	Traf Regulator Control	8120370	1.000	LSUM
0420	Pedestrian Path, Temp	8122250	110.000	Ft
0430	Pedestrian Ramp, Temp	8122251	4.000	Ea
0440	_ Turf Establishment, Performance	8167011	2,358.000	Syd
0450	Conduit, Rem	8182000	655.000	Ft
0460	Conduit, Directional Bore, 2, 3 inch	8182037	180.000	Ft
0470	Conduit, DB, 1, 1 1/2 inch	8182048	495.000	Ft
0480	Conduit, DB, 2, 3 inch	8182053	690.000	Ft
0490	Conduit, DB, 3, 3 inch	8182056	270.000	Ft
0500	Conduit, DB, 4, 3 inch	8182059	80.000	Ft
0510	Cable, Intercn, Rem	8182198	3,150.000	Ft
0520	Cable, Sec, Rem	8182199	225.000	Ft
0530	Cable Pole, TS, Disman	8182210	5.000	Ea
0540	Cable, Sec, 600V, 1, 3/C#6	8182238	1,055.000	Ft
0550	Hh, Polymer Conc	8182309	18.000	Ea
0560	Hh, Round	8182310	39.000	Ea
0570	Hh, Round, 3 foot dia	8182319	9.000	Ea
0580	Hh, Rem	8182330	13.000	Ea
0590	Wood Pole, Rem	8182363	13.000	Ea
0600	Serv Disconnect	8182366	9.000	Ea
0610	Wood Pole, Fit Up, Sec Cable Pole	8182381	1.000	Ea
0620	_ Conduit, DB, 1, 1 inch	8187001	180.000	Ft
0630	Case Sign, Rem	8200020	14.000	Ea
0640	Case Sign (LED), Two Way, 24 inch by 30 inch	8200022	9.000	Ea
0650	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	29.000	Ea
0660	Controller and Cabinet, Rem	8200030	9.000	Ea
0670	Controller Fdn, Base Mtd	8200045	9.000	Ea
0680	Controller Fdn, Rem	8200046	1.000	Ea
0690	Global Positioning System Module	8200050	9.000	Ea
0700	Fdn, Rem	8200065	4.000	Ea
0710	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	9.000	Ea
0720	Pedestal, Alum	8200100	2.000	Ea

0730	Pedestal, Fdn	8200105	9.000	Ea
0740	Pedestal Fdn, Rem	8200106	7.000	Ea
0750	Pedestal, Rem	8200110	7.000	Ea
0760	Power Co. (Est. Cost to Contractor)	8200116	42,055.000	Dlr
0770	Pushbutton and Sign	8200121	8.000	Ea
0780	Pushbutton, Pedestal, Alum	8200123	7.000	Ea
0790	Span Wire	8200140	30.000	Ea
0800	Span Wire, Rem	8200141	14.000	Ea
0810	Span Wire Tether	8200142	30.000	Ea
0820	Steel Pole, Rem	8200145	4.000	Ea
0830	TS, Bracket Arm Mtd, Rem	8200175	3.000	Ea
0840	TS, Pedestal Mtd, Rem	8200179	1.000	Ea
0850	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	8.000	Ea
0860	TS, Pedestrian, Pedestal Mtd, Rem	8200181	6.000	Ea
0870	TS, Span Wire Mtd, Rem	8200182	29.000	Ea
0880	Cabinet, NEMA Type	8200186	9.000	Ea
0890	TS, One Way Span Wire Mtd (LED)	8200313	68.000	Ea
0900	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	8.000	Ea
0910	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	4.000	Ea
0920	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	2.000	Ea
0930	TS, One Way Mast Arm Mtd (LED)	8200359	17.000	Ea
0940	Wireless Intercon, Closed Loop, Salv	8200389	1.000	Ea
0950	Wireless Intercon, Closed Loop, Rem	8200396	1.000	Ea
0960	Junction Box, Span Wire	8200456	30.000	Ea
0970	Junction Box, Rem	8200457	15.000	Ea
0980	Strain Pole, Steel, 6 bolt, 30 foot	8200460	26.000	Ea
0990	Strain Pole, Steel, 6 bolt, 36 foot	8200461	12.000	Ea
1000	Strain Pole Fdn, 6 Bolt	8200470	520.000	Ft
1010	Casing	8200480	429.000	Ft
1020	Cellular Modem, TS, 4th G	8200498	9.000	Ea
1030	Backplate, TS	8200501	84.000	Ea
1040	Mast Arm Pole, Cat I	8202010	4.000	Ea
1050	Mast Arm, 45 foot, Cat I	8202018	2.000	Ea
1060	Mast Arm, 50 foot, Cat I	8202019	6.000	Ea
1070	Mast Arm Pole Fdn, 6 Bolt	8202034	58.000	Ft
1080	_ Controller, NEMA, ATC Type	8207050	9.000	Ea
1090	Monument Box Adj	8210005	1.000	Ea
1100	Monument Preservation	8210010	1.000	Ea
1110	Protect Corners	8210020	2.000	Ea
1120	Water Shutoff, Adj, Case 2	8230422	1.000	Ea
1130	Contractor Staking	8240001	1.000	LSUM
1140	Staking Plan Errors and Extras, Max \$180/hour	8240002	25.000	Hr
1150	Grounding, Bonding, and Surge Protection	8260019	1.000	LSUM

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1160	Lightning Protection, Pole	8260021	9.000	Ea
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AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 005**Letting Date:** October 1, 2021**Contract ID:** 82073-202768**Description:** Traffic signal modernizations and sidewalk ramp upgrades on various routes in the cities of Detroit and Harper Woods, Wayne County.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
202768A	21A0856	N/A	STG 82073

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Audio-Visual Filming	1047051	1.000	LSUM
0020	Mobilization, Max \$186,800.00	1100001	1.000	LSUM
0030	Curb and Gutter, Rem	2040020	1,320.000	Ft
0040	Fence, Rem	2040025	200.000	Ft
0050	Pavt, Rem	2040050	225.000	Syd
0060	Sidewalk, Rem	2040055	1,464.000	Syd
0070	Exploratory Investigation, Vertical	2040080	200.000	Ft
0080	Excavation, Earth	2050016	123.000	Cyd
0090	Non Haz Contaminated Material Handling and Disposal, LM	2050031	25.000	Cyd
0100	Erosion Control, Inlet Protection, Fabric Drop	2080020	35.000	Ea
0110	Erosion Control, Maintenance, Sediment Rem	2080026	5.000	Cyd
0120	Erosion Control, Silt Fence	2080036	100.000	Ft
0130	Aggregate Base, 6 inch	3020016	1,874.000	Syd
0140	Aggregate Base, 8 inch	3020020	98.000	Syd
0150	Maintenance Gravel, LM	3060021	100.000	Cyd
0160	Dr Structure Cover, Adj, Case 1	4030005	12.000	Ea
0170	Dr Structure, Adj, Add Depth	4030280	30.000	Ft
0180	Hand Patching	5010025	71.000	Ton
0190	Lane Tie, Epoxy Anchored	6030030	708.000	Ea
0200	Pavt Repr, Nonreinf Conc, 9 inch	6030046	136.000	Syd
0210	Obstruction Rem	7180100	5,000.000	Dlr
0220	_ Cellular Modem, Rem and Salv	8007050	5.000	Ea
0230	Curb, Conc, Det E4	8020004	68.000	Ft
0240	Curb and Gutter, Conc, Det F4	8020038	687.000	Ft
0250	Divider, Conc, Type I	8022000	879.000	Sft
0260	Detectable Warning Surface	8030010	354.000	Ft
0270	Curb Ramp Opening, Conc	8030030	399.000	Ft

0280	Sidewalk, Conc, 6 inch	8030046	3,258.000	Sft
0290	Sidewalk, Clay Brick Pavers	8030050	64.000	Sft
0300	Sidewalk, Clay Brick Pavers, Rem	8030051	64.000	Sft
0310	Curb Ramp, Conc, 6 inch	8032002	9,363.000	Sft
0320	Fence, Chain Link, 96 inch, with 3 Strand of Barbed Wire	8080092	200.000	Ft
0330	Band, Sign	8100010	36.000	Ea
0340	Post Hole Through Conc for Steel Post	8100340	4.000	Ea
0350	Post, Steel, 3 lb	8100371	134.000	Ft
0360	Sign, Type III, Erect, Salv	8100402	26.000	Ea
0370	Sign, Type III, Rem	8100403	25.000	Ea
0380	Sign, Type IIIA	8100404	18.000	Sft
0390	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	3,565.000	Ft
0400	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	223.000	Ft
0410	Rem Spec Mrkg	8110343	2,364.000	Sft
0420	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
0430	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
0440	Pedestrian Type II Barricade, Temp	8120026	25.000	Ea
0450	Pedestrian Type II Channelizer, Temp	8120027	250.000	Ft
0460	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	300.000	Ea
0470	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	300.000	Ea
0480	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0490	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0500	Minor Traf Devices	8120170	1.000	LSUM
0510	Plastic Drum, Fluorescent, Furn	8120252	300.000	Ea
0520	Plastic Drum, Fluorescent, Oper	8120253	300.000	Ea
0530	Sign Cover	8120310	30.000	Ea
0540	Sign, Type B, Temp, Prismatic, Furn	8120350	1,750.000	Sft
0550	Sign, Type B, Temp, Prismatic, Oper	8120351	1,750.000	Sft
0560	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	80.000	Sft
0570	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	80.000	Sft
0580	Traf Regulator Control	8120370	1.000	LSUM
0590	_ Horticultural Work	8157040	8.000	Hr
0600	Slope Restoration, Type A	8160100	720.000	Syd
0610	Conduit, Rem	8182000	755.000	Ft
0620	Conduit, Directional Bore, 1, 3 inch	8182035	695.000	Ft
0630	Conduit, Directional Bore, 2, 3 inch	8182037	300.000	Ft
0640	Conduit, DB, 1, 1 1/2 inch	8182048	720.000	Ft
0650	Conduit, DB, 1, 3 inch	8182050	240.000	Ft
0660	Conduit, DB, 2, 3 inch	8182053	35.000	Ft
0670	Conduit, DB, 3, 3 inch	8182056	310.000	Ft
0680	Conduit, DB, 4, 3 inch	8182059	80.000	Ft
0690	Cable, Rem	8182196	642.000	Ft
0700	Cable, Sec, Rem	8182199	750.000	Ft

0710	Cable Pole, Sec, Disman	8182206	1.000	Ea
0720	Cable Pole, TS and Sec, Disman	8182209	1.000	Ea
0730	Cable Pole, TS, Disman	8182210	1.000	Ea
0740	Cable, Sec, 600V, 1, 3/C#6	8182238	725.000	Ft
0750	Hh, Polymer Conc	8182309	14.000	Ea
0760	Hh, Round	8182310	37.000	Ea
0770	Hh, Round, 3 foot dia	8182319	7.000	Ea
0780	Hh, Adj	8182328	4.000	Ea
0790	Hh, Rem	8182330	28.000	Ea
0800	Wood Pole	8182347	2.000	Ea
0810	Wood Pole, Rem	8182363	2.000	Ea
0820	Serv Disconnect	8182366	7.000	Ea
0830	Serv Disconnect, Rem	8182367	5.000	Ea
0840	Wood Pole, Fit Up, Sec Cable Pole	8182381	1.000	Ea
0850	_ Cable, Sec, Triplex, 1, 3/C#2	8187001	642.000	Ft
0860	_ Conduit, DB, 1, 1 inch	8187001	135.000	Ft
0870	Light Std Arm, Rem	8190277	2.000	Ea
0880	Luminaire, Install Salv	8190350	2.000	Ea
0890	Luminaire, Rem and Salv	8190365	2.000	Ea
0900	Case Sign, Rem	8200020	9.000	Ea
0910	Case Sign (LED), Two Way, 24 inch by 30 inch	8200022	8.000	Ea
0920	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	9.000	Ea
0930	Controller and Cabinet, Rem	8200030	7.000	Ea
0940	Controller Fdn, Base Mtd	8200045	7.000	Ea
0950	Controller Fdn, Rem	8200046	3.000	Ea
0960	Fdn, Rem	8200065	23.000	Ea
0970	Louver	8200080	2.000	Ea
0980	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	7.000	Ea
0990	Pedestal, Alum	8200100	18.000	Ea
1000	Pedestal, Fdn	8200105	23.000	Ea
1010	Pedestal Fdn, Rem	8200106	22.000	Ea
1020	Pedestal, Rem	8200110	18.000	Ea
1030	Pedestal, Underground Serv, Unmetered	8200112	1.000	Ea
1040	Power Co. (Est. Cost to Contractor)	8200116	16,585.000	Dlr
1050	Pushbutton and Sign	8200121	14.000	Ea
1060	Pushbutton, Rem	8200122	14.000	Ea
1070	Pushbutton, Pedestal, Alum	8200123	4.000	Ea
1080	Pushbutton, Pedestal, Rem	8200124	4.000	Ea
1090	Span Wire	8200140	23.000	Ea
1100	Span Wire, Rem	8200141	12.000	Ea
1110	Span Wire Tether	8200142	22.000	Ea
1120	Steel Pole, Rem	8200145	22.000	Ea
1130	TS, Bracket Arm Mtd, Rem	8200175	3.000	Ea
1140	TS, Mast Arm Mtd, Rem	8200177	2.000	Ea
1150	TS, Pedestal Mtd, Rem	8200179	10.000	Ea

1160	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	16.000	Ea
1170	TS, Pedestrian, Pedestal Mtd, Rem	8200181	15.000	Ea
1180	TS, Span Wire Mtd, Rem	8200182	36.000	Ea
1190	Cabinet, NEMA Type	8200186	7.000	Ea
1200	TS, One Way Mast Arm Mtd, FYA (LED)	8200304	1.000	Ea
1210	TS, One Way Span Wire Mtd (LED)	8200313	57.000	Ea
1220	TS, One Way Span Wire Mtd, FYA (LED)	8200314	1.000	Ea
1230	TS, One Way Span Wire Mtd, STGA (LED)	8200320	3.000	Ea
1240	TS, Two Way Span Wire Mtd (LED)	8200322	3.000	Ea
1250	TS, One Way Bracket Arm Mtd (LED)	8200333	2.000	Ea
1260	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	10.000	Ea
1270	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	10.000	Ea
1280	TS, One Way Pedestal Mtd (LED)	8200340	4.000	Ea
1290	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	16.000	Ea
1300	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	8200347	1.000	Ea
1310	TS, One Way Mast Arm Mtd (LED)	8200359	8.000	Ea
1320	Bracket, Truss, With 9 Foot Arm	8200375	2.000	Ea
1330	Bracket, Truss, Rem	8200388	3.000	Ea
1340	Wireless Intercn, Closed Loop, Rem	8200396	4.000	Ea
1350	Wireless Vehicle Detection System	8200422	6.000	Ea
1360	Wireless Vehicle Sensor Node	8200425	52.000	Ea
1370	Junction Box, Span Wire	8200456	8.000	Ea
1380	Junction Box, Rem	8200457	5.000	Ea
1390	Strain Pole, Steel, 6 bolt, 30 foot	8200460	16.000	Ea
1400	Strain Pole, Steel, 6 bolt, 36 foot	8200461	11.000	Ea
1410	Strain Pole, Steel, 6 bolt, 40 foot	8200462	1.000	Ea
1420	Strain Pole Fdn, 6 Bolt	8200470	536.000	Ft
1430	Casing	8200480	434.000	Ft
1440	Cellular Modem, TS, 4th G	8200498	7.000	Ea
1450	Backplate, TS	8200501	79.000	Ea
1460	Mast Arm, Rem	8202004	1.000	Ea
1470	Mast Arm Std, Rem	8202005	1.000	Ea
1480	Mast Arm Pole, Cat I	8202010	3.000	Ea
1490	Mast Arm, 45 foot, Cat I	8202018	2.000	Ea
1500	Mast Arm, 50 foot, Cat I	8202019	1.000	Ea
1510	Mast Arm Pole Fdn, 6 Bolt	8202034	53.000	Ft
1520	_ Controller, NEMA, ATC Type	8207050	7.000	Ea
1530	_ TS, One Way Pedestal Mtd, FYA (LED)	8207050	2.000	Ea
1540	_ TS, One Way Span Wire Mtd (LED), Optic	8207050	6.000	Ea
1550	Monument Box Adj	8210005	1.000	Ea
1560	Water Shutoff, Adj, Case 1	8230421	2.000	Ea
1570	Gate Box, Adj, Case 1	8230431	3.000	Ea

1580	Contractor Staking	8240001	1.000	LSUM
1590	Staking Plan Errors and Extras, Max \$180/hour	8240002	20.000	Hr
1600	Grounding, Bonding, and Surge Protection	8260019	1.000	LSUM
1610	Lightning Protection, Pole	8260021	7.000	Ea

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 006

**Letting Date:** October 1, 2021

**Contract ID:** 41025-208126

**Description:** 4.95 mi of hot mix asphalt cold milling and resurfacing, detail 7 and 8 joint repairs and pavement markings on I-96 from Monroe Avenue easterly to Leonard Street in the city of Grand Rapids, Kent County. This project includes a 5 year materials and workmanship pavement warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
208126A	N/A	N/A	M 41025

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$530,200.00	1100001	1.000	LSUM
0020	_ Pavt, Rem, Spec	2047011	1,420.000	Syd
0030	Shld, CI II	3070121	2,190.000	Ton
0040	Dr Marker Post	4011109	15.000	Ea
0050	Underdrain Outlet, 4 inch	4040091	25.000	Ft
0060	Underdrain Outlet, 6 inch	4040093	25.000	Ft
0070	Underdrain, Outlet Ending, 4 inch	4040111	5.000	Ea
0080	Underdrain, Outlet Ending, 6 inch	4040113	5.000	Ea
0090	Video Inspection of Underdrain	4040200	50.000	Ft
0100	_ Underdrain Outlet Cleanout	4047050	15.000	Ea
0110	Cold Milling HMA Surface	5010002	240,000.000	Syd
0120	Bump Grinding	5010004	200.000	Syd
0130	HMA Quality Initiative	5010007	98,600.000	Dlr
0140	Longit Joint Density Quality Initiative	5010018	103,100.000	Dlr
0150	Pavt Joint and Crack Repr, Det 7	5010020	3,690.000	Ft
0160	Pavt Joint and Crack Repr, Det 8	5010021	3,690.000	Ft
0170	Hand Patching	5010025	1,000.000	Ton
0180	HMA Approach	5010061	530.000	Ton
0190	HMA, 4EML	5012025	7,200.000	Ton
0200	HMA, 4EMH	5012026	19,210.000	Ton
0210	HMA, 5EML	5012037	6,620.000	Ton
0220	HMA, 5EMH	5012038	14,700.000	Ton
0230	_ Ride Incentive	5017060	73,880.000	Dlr
0240	Pavt Mrkg, Polyurea, 6 inch, White	8110094	66,200.000	Ft
0250	Pavt Mrkg, Polyurea, 6 inch, Yellow	8110095	53,400.000	Ft
0260	Pavt Mrkg, Polyurea, 12 inch, White	8110111	5,200.000	Ft
0270	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr

0280	Recessing Pavt Mrkg, Longit	8110450	124,800.000	Ft
0290	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	40.000	Ea
0300	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	40.000	Ea
0310	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0320	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0330	Ltg for Night Work	8120160	1.000	LSUM
0340	Minor Traf Devices	8120170	1.000	LSUM
0350	Mobile Attenuator	8120180	1.000	Ea
0360	Pavt Mrkg Cover, Type R, Black	8120200	1,200.000	Ft
0370	Plastic Drum, Fluorescent, Furn	8120252	300.000	Ea
0380	Plastic Drum, Fluorescent, Oper	8120253	300.000	Ea
0390	Sign Cover	8120310	30.000	Ea
0400	Sign Cover, Type I	8120320	30.000	Ea
0410	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	16.000	Ea
0420	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	16.000	Ea
0430	Sign, Type A, Temp, Prismatic, Furn	8120340	400.000	Sft
0440	Sign, Type A, Temp, Prismatic, Oper	8120341	400.000	Sft
0450	Sign, Type B, Temp, Prismatic, Furn	8120350	2,350.000	Sft
0460	Sign, Type B, Temp, Prismatic, Oper	8120351	2,350.000	Sft
0470	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	6,090.000	Sft
0480	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	6,090.000	Sft
0490	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	2,800.000	Ft
0500	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	6,000.000	Ft
0510	Speed Radar Trailer, Temp	8122028	2.000	Ea
0520	Temp Rumble Strips (Orange), Advance of a Work Zone	8122187	1,000.000	Ft
0530	Conc Barrier-Mtd Temp Sign System, Furn	8122192	9.000	Ea
0540	Conc Barrier-Mtd Temp Sign System, Oper	8122193	9.000	Ea
0550	Slope Restoration, Type B	8160101	50.000	Syd
0560	TS Face, Bag	8200458	12.000	Ea
0570	TS Face, Bag, Rem	8200459	12.000	Ea
0580	Freeway Shld Corrugations, Milled, HMA	8222001	103,100.000	Ft
0590	Contractor Staking	8240001	1.000	LSUM
0600	Staking Plan Errors and Extras, Max \$180/hour	8240002	99.000	Hr



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 007

**Letting Date:** October 1, 2021

**Contract ID:** 10032-131656

**Description:** 4.63 mi of hot mix asphalt cold milling and resurfacing, concrete curb, gutter, sidewalk and ramps, guardrail and pavement markings on US-31 from Cold Creek to east of Marshall/Indian Hill Road in the village of Beulah, Benzie County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
131656A	21A0864	N/A	NH 10032

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$700,000.00	1100001	1.000	LSUM
0020	Clearing	2010001	1.500	Acre
0030	Tree, Rem, 6 inch to 18 inch	2020004	1.000	Ea
0040	Culv, Rem, Less than 24 inch	2030001	15.000	Ea
0050	Culv, Rem, 24 inch to 48 inch	2030002	2.000	Ea
0060	Culv, End, Rem, Less than 24 inch	2030005	1.000	Ea
0070	Dr Structure, Rem	2030011	2.000	Ea
0080	Sewer, Rem, Less than 24 inch	2030015	149.000	Ft
0090	Sewer, Rem, 24 inch to 48 inch	2030016	104.000	Ft
0100	Curb and Gutter, Rem	2040020	4,103.000	Ft
0110	Curb, Rem	2040021	279.000	Ft
0120	Guardrail, Rem	2040035	5,172.000	Ft
0130	Masonry and Conc Structure, Rem	2040045	1.000	Cyd
0140	Pavt, Rem	2040050	1,401.000	Syd
0150	Sidewalk, Rem	2040055	55.000	Syd
0160	Exploratory Investigation, Vertical	2040080	50.000	Ft
0170	Embankment, CIP	2050010	6,937.000	Cyd
0180	Excavation, Earth	2050016	12,197.000	Cyd
0190	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0200	Subgrade Manipulation	2050035	17,294.000	Syd
0210	Obliterate Old Road	2070001	3.000	Sta
0220	Erosion Control, Check Dam, Stone	2080012	208.000	Ft
0230	Erosion Control, Gravel Access Approach	2080016	3.000	Ea
0240	Erosion Control, Inlet Protection, Fabric Drop	2080020	26.000	Ea
0250	Erosion Control, Maintenance, Sediment Rem	2080026	100.000	Cyd
0260	Erosion Control, Sediment Trap	2080034	20.000	Ea
0270	Erosion Control, Silt Fence	2080036	9,395.000	Ft

0280	Project Cleanup	2090001	1.000	LSUM
0290	Subbase, CIP	3010002	245.000	Cyd
0300	Aggregate Base	3020001	10,775.000	Ton
0310	Aggregate Base, Conditioning	3020050	4,827.000	Syd
0320	Maintenance Gravel	3060020	1,000.000	Ton
0330	Approach, CI I	3070001	888.000	Ton
0340	Approach, CI II	3070021	111.000	Ton
0350	Shld, CI II	3070121	644.000	Ton
0360	Culv End Sect, 12 inch	4010012	2.000	Ea
0370	Culv End Sect, 15 inch	4010015	26.000	Ea
0380	Culv End Sect, 18 inch	4010018	16.000	Ea
0390	Culv End Sect, 24 inch	4010024	11.000	Ea
0400	Culv, CI E, 18 inch	4010541	376.000	Ft
0410	Culv, CI E, 24 inch	4010542	184.000	Ft
0420	Culv, CI F, 15 inch	4010608	673.000	Ft
0430	Culv, CI F, 18 inch	4010609	320.000	Ft
0440	Culv, CI F, 24 inch	4010610	96.000	Ft
0450	Culv, Slp End Sect, 1 on 4, 18 inch, Transv	4010920	1.000	Ea
0460	Culv, Slp End Sect, 1 on 4, 36 inch, Transv	4010930	1.000	Ea
0470	Culv, Slp End Sect, 1 on 6, 15 inch, Longit	4010949	4.000	Ea
0480	Culv, Slp End Sect, 1 on 6, 18 inch, Longit	4010951	3.000	Ea
0490	Culv, Slp End Sect, 1 on 6, 24 inch, Longit	4010955	2.000	Ea
0500	Dr Marker Post	4011109	119.000	Ea
0510	_ Culv Cleanout	4017001	586.000	Ft
0520	_ Cured-In-Place Pipe Lining, 24 inch	4017001	180.000	Ft
0530	Sewer, CI E, 12 inch, Tr Det B	4020600	697.000	Ft
0540	Sewer, CI E, 18 inch, Tr Det B	4020602	492.000	Ft
0550	Sewer, CI E, 24 inch, Tr Det B	4020603	225.000	Ft
0560	Sewer, CI E, 36 inch, Tr Det B	4020605	88.000	Ft
0570	Sewer Tap, 18 inch	4021206	1.000	Ea
0580	Sewer Bulkhead, 18 inch	4021232	2.000	Ea
0590	Video Taping Sewer and Culv Pipe	4021275	2,004.000	Ft
0600	Dr Structure Cover, Adj, Case 1	4030005	8.000	Ea
0610	Dr Structure Cover, Adj, Case 2	4030006	1.000	Ea
0620	Dr Structure Cover, Type E	4030035	1.000	Ea
0630	Dr Structure Cover, Type G	4030040	5.000	Ea
0640	Dr Structure Cover, Type J	4030045	2.000	Ea
0650	Dr Structure Cover, Type K	4030050	5.000	Ea
0660	Dr Structure, 24 inch dia	4030200	1.000	Ea
0670	Dr Structure, 48 inch dia	4030210	10.000	Ea
0680	Dr Structure, 72 inch dia	4030230	1.000	Ea
0690	Pavt, Cleaning	5010001	1.000	LSUM
0700	Cold Milling HMA Surface	5010002	2,752.000	Syd
0710	HMA Surface, Rem	5010005	28,221.000	Syd
0720	HMA Quality Initiative	5010007	74,914.000	Dlr

0730	Longit Joint Density Quality Initiative	5010018	169,026.000	Dlr
0740	Hand Patching	5010025	477.000	Ton
0750	HMA Approach	5010061	6,884.000	Ton
0760	HMA, 4EML	5012025	13,997.000	Ton
0770	HMA, 5EML	5012037	14,136.000	Ton
0780	_ Cold Milling HMA Surface, Modified	5017011	7,778.000	Syd
0790	_ Micro Cold Milling, HMA	5017011	112,881.000	Syd
0800	_ Hand Patching, Modified	5017031	2,440.000	Ton
0810	Driveway, Nonreinf Conc, 6 inch	8010005	286.000	Syd
0820	Curb and Gutter, Conc, Det B2	8020016	7,131.000	Ft
0830	Curb and Gutter, Conc, Det F4	8020038	1,319.000	Ft
0840	Driveway Opening, Conc, Det M	8020050	1,412.000	Ft
0850	Shld Gutter, Conc, Det 1	8020055	1.000	Ea
0860	Shld Gutter, Conc, Det 2	8020056	3.000	Ea
0870	Shld Gutter, Conc, Det 3	8020057	1.000	Ea
0880	Spillway, Conc	8020075	37.000	Ft
0890	_ Curb and Gutter, Conc, Det F4, Modified	8027001	674.000	Ft
0900	Detectable Warning Surface	8030010	20.000	Ft
0910	Curb Ramp Opening, Conc	8030030	34.000	Ft
0920	Sidewalk, Conc, 6 inch	8030046	4,910.000	Sft
0930	Curb Ramp, Conc, 6 inch	8032002	318.000	Sft
0940	Curb Slp, HMA	8050010	6,479.000	Ft
0950	Guardrail, Type B	8070000	13.000	Ft
0960	Guardrail, Type MGS-8	8070004	4,795.000	Ft
0970	Guardrail, Curved, Type B	8070010	364.000	Ft
0980	Guardrail Anch, Bridge, Det T1	8070022	2.000	Ea
0990	Guardrail Approach Terminal, Type 2M	8070044	10.000	Ea
1000	Guardrail Departing Terminal, Type B	8070050	11.000	Ea
1010	Guardrail Departing Terminal, Type MGS	8070052	1.000	Ea
1020	Guardrail Reflector	8070080	253.000	Ea
1030	Post, Mailbox	8070095	17.000	Ea
1040	Guardrail, Long Span, Det MGS-1	8072121	150.000	Ea
1050	Guardrail, Long Span, Det MGS-2	8072122	175.000	Ea
1060	Fence, Protective	8080007	100.000	Ft
1070	Delineator Reflector, Green	8100133	160.000	Ea
1080	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	90.000	Ea
1090	Fdn, Wood Support, Rem	8100280	6.000	Ea
1100	Installing MDOT Supplied Sign, Type III	8100302	2.000	Ea
1110	Post Hole Through Conc for Steel Post	8100340	5.000	Ea
1120	Delineator, Rem	8100349	150.000	Ea
1130	Post, Flexible, Delineator	8100360	45.000	Ea
1140	Post, Rigid, Delineator	8100361	160.000	Ea
1150	Post, Steel, 3 lb	8100371	1,006.000	Ft
1160	Post, Wood, 4 inch by 6 inch	8100380	92.000	Ft

1170	Sign, Type II, Erect, Salv	8100396	1.000	Ea
1180	Sign, Type II, Rem	8100397	2.000	Ea
1190	Sign, Type IIA	8100398	48.000	Sft
1200	Sign, Type III, Erect, Salv	8100402	17.000	Ea
1210	Sign, Type III, Rem	8100403	62.000	Ea
1220	Sign, Type IIIA	8100404	143.000	Sft
1230	Sign, Type IIIB	8100405	87.000	Sft
1240	Sign, Type V, Rem	8100421	1.000	Ea
1250	Sign, Type VA	8100424	12.000	Sft
1260	Sign, Type VB	8100425	8.000	Sft
1270	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	81.000	Ft
1280	Pavt Mrkg, Polyurea, Merge Arrow Sym	8110107	4.000	Ea
1290	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	385.000	Ft
1300	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
1310	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	2.000	Ea
1320	Recessing Pavt Mrkg, Longit	8110450	96,640.000	Ft
1330	Recessing Pavt Mrkg, Transv	8110451	811.000	Sft
1340	Pavt Mrkg, Wet Reflective Polyurea, 4 inch, White	8112114	4,189.000	Ft
1350	Pavt Mrkg, Wet Reflective Polyurea, 6 inch, White	8112115	46,040.000	Ft
1360	Pavt Mrkg, Wet Reflective Polyurea, 4 inch, Yellow	8112117	46,411.000	Ft
1370	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	16.000	Ea
1380	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	16.000	Ea
1390	Pedestrian Type II Barricade, Temp	8120026	4.000	Ea
1400	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	1,094.000	Ea
1410	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	1,094.000	Ea
1420	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
1430	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
1440	Minor Traf Devices	8120170	1.000	LSUM
1450	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	5,308.000	Ft
1460	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	6,115.000	Ft
1470	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	107,222.000	Ft
1480	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	442.000	Ft
1490	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	14,170.000	Ft
1500	Plastic Drum, Fluorescent, Furn	8120252	415.000	Ea
1510	Plastic Drum, Fluorescent, Oper	8120253	415.000	Ea
1520	Sign Cover	8120310	30.000	Ea
1530	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	3.000	Ea
1540	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	3.000	Ea
1550	Sign, Type A, Temp, Prismatic, Furn	8120340	208.000	Sft
1560	Sign, Type A, Temp, Prismatic, Oper	8120341	208.000	Sft

1570	Sign, Type B, Temp, Prismatic, Furn	8120350	1,390.000	Sft
1580	Sign, Type B, Temp, Prismatic, Oper	8120351	1,390.000	Sft
1590	Traf Regulator Control	8120370	1.000	LSUM
1600	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	16,111.000	Ft
1610	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	8122004	107,224.000	Ft
1620	Rumble Strip, Temp, Portable, Furn	8122188	12.000	Ea
1630	Rumble Strip, Temp, Portable, Oper	8122189	12.000	Ea
1640	_ Safety Contingency	8127060	20,000.000	Dlr
1650	Riprap, Plain	8130010	516.000	Syd
1660	Ditch, Plain Cobble	8140005	249.000	Syd
1670	Paved Ditch, HMA	8140010	111.000	Syd
1680	_ HMA Spillway	8147011	274.000	Syd
1690	Fertilizer, Chemical Nutrient, CI A	8160020	1,867.000	Lb
1700	Mulch	8160025	11,156.000	Syd
1710	Mulch Anchoring	8160026	11,156.000	Syd
1720	Seeding, Mixture TDS	8160037	1,867.000	Lb
1730	Topsoil Surface, Furn, 4 inch	8160062	40,555.000	Syd
1740	_ Mulch Blanket, Modified	8167011	30,058.000	Syd
1750	Monument Box Adj	8210005	12.000	Ea
1760	Monument Preservation	8210010	12.000	Ea
1770	Protect Corners	8210020	46.000	Ea
1780	Centerline Corrugations, Milled, HMA	8220013	19,586.000	Ft
1790	Sinusoidal Corrugations, Non-Freeway, Milled, HMA Shld	8220035	39,172.000	Ft
1800	Gate Box, Adj, Case 1	8230431	1.000	Ea
1810	Gate Box, Adj, Case 2	8230432	2.000	Ea
1820	_ Water Main Conflict, 10 inch	8237050	1.000	Ea
1830	_ Water Main Conflict, 12 inch	8237050	1.000	Ea
1840	_ Water Main Conflict, 6 inch	8237050	1.000	Ea
1850	Contractor Staking	8240001	1.000	LSUM
1860	Staking Plan Errors and Extras, Max \$180/hour	8240002	77.000	Hr



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 008

**Letting Date:** October 1, 2021

**Contract ID:** 31051-204761

**Description:** Installation of overheight vehicle detection and notification at the Portage Lake Lift Bridge on US-41 and M-26 in the cities of Houghton and Hancock, Houghton County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
204761A	21A0869	N/A	NH 31051

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$66,000.00	1100001	1.000	LSUM
0020	Sidewalk, Rem	2040055	242.000	Syd
0030	Exploratory Investigation, Vertical	2040080	25.000	Ft
0040	Non Haz Contaminated Material Handling and Disposal, LM	2050031	5.000	Cyd
0050	HMA Surface, Rem	5010005	17.000	Syd
0060	Hand Patching	5010025	3.000	Ton
0070	_ Cellular Modem, 4G	8007050	5.000	Ea
0080	_ Dynamic Blank-Out Sign, 36 inch by 36 inch	8007050	4.000	Ea
0090	_ Flashing LED Border Sign, Alternative Current	8007050	4.000	Ea
0100	_ ITS Cabinet, Pole Mtd	8007050	5.000	Ea
0110	_ Power Distribution Unit	8007050	3.000	Ea
0120	_ System Integration and Testing, Over Height Vehicle	8007050	4.000	Ea
0130	_ Vehicle Detection System, Over Height Vehicle	8007050	4.000	Ea
0140	_ Integration, Advanced Traf Management System Software	8007051	1.000	LSUM
0150	Sidewalk, Conc, 4 inch	8030044	400.000	Sft
0160	Sidewalk, Conc, 6 inch	8030046	1,800.000	Sft
0170	Post, Wood, 4 inch by 6 inch	8100380	252.000	Ft
0180	Sign, Type IIB	8100399	32.000	Sft
0190	Sign, Type III, Rem	8100403	6.000	Ea
0200	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0210	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0220	Pedestrian Type II Barricade, Temp	8120026	6.000	Ea
0230	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0240	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0250	Minor Traf Devices	8120170	1.000	LSUM
0260	Plastic Drum, Fluorescent, Furn	8120252	250.000	Ea



0270	Plastic Drum, Fluorescent, Oper	8120253	250.000	Ea
0280	Sign, Type B, Temp, Prismatic, Furn	8120350	1,126.000	Sft
0290	Sign, Type B, Temp, Prismatic, Oper	8120351	1,126.000	Sft
0300	Conduit, Directional Bore, 1, 3 inch	8182035	165.000	Ft
0310	Conduit, Directional Bore, 2, 3 inch	8182037	130.000	Ft
0320	Conduit, DB, 1, 3 inch	8182050	610.000	Ft
0330	Conduit, DB, 2, 3 inch	8182053	90.000	Ft
0340	Conduit, Galv Steel, 3 inch	8182122	100.000	Ft
0350	DB Cable, in Conduit, 600V, 1/C#6	8182187	2,730.000	Ft
0360	Cable, Equipment Grounding Wire, 1/C#6	8182291	910.000	Ft
0370	Wood Pole, Cl 4, 35 foot	8182350	1.000	Ea
0380	_ Cable, Equipment Grounding Wire, 1/C#14	8187001	135.000	Ft
0390	_ DB Cable, in Conduit, 600V, 1/C#14	8187001	405.000	Ft
0400	_ Hh, Round, Commun	8187050	6.000	Ea
0410	_ Hh, Round, Elec	8187050	17.000	Ea
0420	Light Std Fdn	8190279	6.000	Ea
0430	Light Std, Frangible Transformer Base	8190281	6.000	Ea
0440	Light Std Shaft, 30 foot or less	8190285	6.000	Ea
0450	Power Co. (Est. Cost to Contractor)	8200116	5,500.000	Dlr
0460	Span Wire	8200140	2.000	Ea
0470	Strain Pole, Steel, 6 bolt, 36 foot	8200461	2.000	Ea
0480	Casing	8200480	20.000	Ft
0490	Wireless Interchn, Sign Mtd Flasher, Master	8200490	4.000	Ea
0500	Wireless Interchn, Sign Mtd Flasher, Remote	8200492	8.000	Ea
0510	_ Strain Pole Fdn, Into Rock	8207001	26.000	Ft
0520	Contractor Staking	8240001	1.000	LSUM
0530	Staking Plan Errors and Extras, Max \$180/hour	8240002	7.000	Hr
0540	Grounding, Bonding, and Surge Protection	8260019	1.000	LSUM
0550	Lightning Protection, Pole	8260021	8.000	Ea
0560	Managed Field Ethernet Switch, Layer 2	8260080	5.000	Ea
0570	Power Serv, Underground, 30AMP, 120/240V	8260100	10.000	Ea
0580	Power Serv, Underground, 60AMP, 120/240V	8260101	1.000	Ea
0590	Uninterruptible Power Supply, ITS Cabinet	8260140	5.000	Ea
0600	Surveillance System, Remote Site, Type A	8260157	2.000	Ea
0610	System Integration and Testing	8260160	1.000	LSUM



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 009

**Letting Date:** October 1, 2021

**Contract ID:** 82194-200646

**Description:** Bridge rehabilitation including substructure repair, pier cap replacement, fiber reinforced polymer column wrap repair and structural steel painting on 4 structures on I-75 in the city of Detroit, Wayne County. This project includes a 2 year concrete surface coating warranty and a 1 year warranty for repair of existing column wrapping with fiber reinforced polymer sheets.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
200646A	21A0860	N/A	IM 82194

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Relocation and Site Cleanup	1077051	1.000	LSUM
0020	Critical Path Method Schedule	1080005	15,000.000	Dir
0030	Mobilization, Max \$1,243,200.00	1100001	1.000	LSUM
0040	Erosion Control, Gravel Access Approach	2080016	4.000	Ea
0050	Erosion Control, Silt Fence	2080036	2,830.000	Ft
0060	Project Cleanup	2090001	1.000	LSUM
0070	Aggregate Base, LM	3020002	105.000	Cyd
0080	HMA Surface, Rem	5010005	889.000	Syd
0090	HMA Approach	5010061	201.000	Ton
0100	Pavt Mrkg, Polyurea, 12 inch, Cross Hatching, White	8110108	1,310.000	Ft
0110	Rem Spec Mrkg	8110343	1,310.000	Sft
0120	Witness, Log, \$1,250.00	8110351	1,250.000	Dir
0130	Recessing Pavt Mrkg, Longit	8110450	1,550.000	Ft
0140	Recessing Pavt Mrkg, Transv	8110451	1,310.000	Sft
0150	Pavt Mrkg, Wet Reflective Polyurea, 4 inch, White	8112114	610.000	Ft
0160	Pavt Mrkg, Wet Reflective Polyurea, 6 inch, White	8112115	950.000	Ft
0170	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	90.000	Ea
0180	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	90.000	Ea
0190	Pedestrian Type II Barricade, Temp	8120026	20.000	Ea
0200	Pedestrian Type II Channelizer, Temp	8120027	880.000	Ft
0210	Conc Barrier Ending, Temp, Det 2, Furn	8120041	5.000	Ea
0220	Conc Barrier Ending, Temp, Det 2, Oper	8120042	5.000	Ea
0230	Conc Barrier Ending, Temp, Det 2, Relocated	8120043	4.000	Ea
0240	Conc Barrier Reflector Replacement	8120070	20.000	Ea
0250	Conc Barrier, Temp, Furn	8120081	1,200.000	Ft

0260	Conc Barrier, Temp, Oper	8120082	1,200.000	Ft
0270	Conc Barrier, Temp, Relocated	8120083	1,600.000	Ft
0280	High Intensity Light, Type B, Furn	8120110	8.000	Ea
0290	High Intensity Light, Type B, Oper	8120111	8.000	Ea
0300	Lighted Arrow, Type C, Furn	8120140	8.000	Ea
0310	Lighted Arrow, Type C, Oper	8120141	8.000	Ea
0320	Ltg for Night Work	8120160	1.000	LSUM
0330	Minor Traf Devices	8120170	1.000	LSUM
0340	Mobile Attenuator	8120180	6.000	Ea
0350	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	670.000	Ft
0360	Pavt Mrkg, Longit, Water Blasting, 6 inch or less Width, Rem	8120212	1,000.000	Ft
0370	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	610.000	Ft
0380	Plastic Drum, Fluorescent, Furn	8120252	720.000	Ea
0390	Plastic Drum, Fluorescent, Oper	8120253	720.000	Ea
0400	Sign Cover	8120310	20.000	Ea
0410	Sign Cover, Type I	8120320	4.000	Ea
0420	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	4.000	Ea
0430	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	4.000	Ea
0440	Sign, Type A, Temp, Prismatic, Furn	8120340	30.000	Sft
0450	Sign, Type A, Temp, Prismatic, Oper	8120341	30.000	Sft
0460	Sign, Type B, Temp, Prismatic, Furn	8120350	3,660.000	Sft
0470	Sign, Type B, Temp, Prismatic, Oper	8120351	3,660.000	Sft
0480	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	630.000	Sft
0490	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	630.000	Sft
0500	Traf Regulator Control	8120370	1.000	LSUM
0510	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	3,590.000	Ft
0520	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	2,160.000	Ft
0530	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	8122004	950.000	Ft
0540	Pavt Mrkg, Wet Reflective, Type R, Tape, 12 inch, White, Temp	8122012	110.000	Ft
0550	Pavt Mrkg, Type NR, Paint, 12 inch, Cross Hatching, White	8122105	1,310.000	Ft
0560	Pedestrian Path, Temp	8122250	880.000	Ft
0570	Pedestrian Ramp, Temp	8122251	4.000	Ea
0580	_ Pedestrian Barrier With Fence, Temp	8127001	880.000	Ft
0590	Conduit, Rem	8182000	1,270.000	Ft
0600	Conduit, Schedule 80, 1 1/2 inch	8182145	1,270.000	Ft
0610	Conduit, Schedule 80, 4 inch	8182150	100.000	Ft
0620	DB Cable, in Conduit, 600V, 1/C#8	8182188	3,810.000	Ft
0630	Cable, Equipment Grounding Wire, 1/C#8	8182292	1,270.000	Ft
0640	Light Std Arm, Rem and Salv	8190278	2.000	Ea

0650	Light Std Shaft, Rem and Salv	8190306	2.000	Ea
0660	Luminaire, Install Salv	8190350	32.000	Ea
0670	Luminaire, Rem and Salv	8190365	32.000	Ea
0680	_ Cable, Install Salv	8197001	350.000	Ft
0690	_ Cable, Rem and Salv	8197001	350.000	Ft
0700	_ Overhead #8 Alum Triplex with #8 ACSR Neutral	8197001	105.000	Ft
0710	_ Electrical, Rem and Salv	8197050	1.000	Ea
0720	_ Light Std Arm, Install Salv	8197050	2.000	Ea
0730	_ Light Std Shaft, Install Salv	8197050	2.000	Ea
0740	_ Luminaire, Roadway	8197050	1.000	Ea
0750	TS Face, Bag	8200458	2.000	Ea
0760	TS Face, Bag, Rem	8200459	2.000	Ea
0770	Contractor Staking	8240001	1.000	LSUM
0780	Staking Plan Errors and Extras, Max \$180/hour	8240002	135.000	Hr
0790	_ Removing Rubbish	8507060	10,000.000	Dlr

**Section: 2**

0800	Clearing, Fence	2010002	1.000	Sta
0810	Fence, Rem	2040025	590.000	Ft
0820	Guardrail, Rem	2040035	480.000	Ft
0830	Masonry and Conc Structure, Rem	2040045	1.000	Cyd
0840	Non Haz Contaminated Material Handling and Disposal, LM	2050031	355.000	Cyd
0850	Subgrade Undercutting, Type II	2050041	137.000	Cyd
0860	Backfill, Structure, CIP	2060002	118.000	Cyd
0870	Excavation, Fdn	2060010	218.000	Cyd
0880	Geotextile, Separator	3080005	5,000.000	Syd
0890	Reinforcement, Steel, Epoxy Coated	7060092	25,671.000	Lb
0900	Substructure Conc, High Performance	7060101	56.000	Cyd
0910	Structural Steel, Mixed, Erect	7070050	18,518.000	Lb
0920	Structural Steel, Mixed, Furn and Fab	7070051	18,518.000	Lb
0930	_ Temp Work Platform (B01 of 82194)	7077051	1.000	LSUM
0940	_ Post-Tensioning, Repr (B01 of 82194)	7087051	1.000	LSUM
0950	Conc Surface Coating, Warranty (S06 of 82191)	7100009	1.000	LSUM
0960	Substructure Horizontal Surface Sealer (B01 of 82194)	7100030	187.000	Syd
0970	Substructure Horizontal Surface Sealer (B01-5 of 82194)	7100030	45.000	Syd
0980	Substructure Horizontal Surface Sealer (B01-6 of 82194)	7100030	35.000	Syd
0990	Substructure Horizontal Surface Sealer (S06 of 82191)	7100030	232.000	Syd
1000	Hand Chipping, Other Than Deck	7120007	18,094.000	Cft
1010	Patch, Forming	7120017	36,188.000	Sft
1020	Structures, Rehabilitation, Rem Portions (S06 of 82191)	7120070	1.000	LSUM
1030	Masonry Plate, Grout	7120090	22.000	Ea
1040	Flushing Cracks, Water	7120098	1,300.000	Ft

1050	Structural Crack, Repr	7120099	1,300.000	Ft
1060	Patching Conc, C-L	7120112	672.000	Cyd
1070	_ Column Wrap with Fiber Reinforced Polymer Sheet	7127010	32,993.000	Sft
1080	_ Repair of Existing Column Wrapping with Fiber Reinforced Polymer (FRP) Sheets	7127010	820.000	Sft
1090	_ Embedded Galvanic Anode, High Performing	7127050	60,100.000	Ea
1100	Beam Plate, Seal Perimeter	7130010	4,726.000	Ft
1110	Stiffeners, Furn, Fab, and Erect	7130060	58,106.000	Lb
1120	Support, Column, Temp	7130080	7.000	Ea
1130	_ Structural Steel, Temp Support, Spec, Type 1	7137050	118.000	Ea
1140	_ Structural Steel, Temp Support, Spec, Type 2	7137050	15.000	Ea
1150	_ Structural Steel, Temp Support, Spec, Type 3	7137050	28.000	Ea
1160	_ Structural Steel, Temp Support, Spec, Type 4	7137050	60.000	Ea
1170	_ Structural Steel, Temp Support, Spec, Type 5	7137050	24.000	Ea
1180	_ Structural Steel, Temp Support, Spec, Type 6	7137050	8.000	Ea
1190	_ Structural Steel, Temp Support, Spec, Type 7	7137050	2.000	Ea
1200	Steel Structure, Cleaning, Partial, Type 4 (B01 of 82194)	7150047	1.000	LSUM
1210	Steel Structure, Cleaning, Partial, Type 4 (B01-5 of 82194)	7150047	1.000	LSUM
1220	Steel Structure, Cleaning, Partial, Type 4 (B01-6 of 82194)	7150047	1.000	LSUM
1230	Steel Structure, Cleaning, Partial, Type 4 (S06 of 82191)	7150047	1.000	LSUM
1240	Steel Structure, Coating, Partial, Type 4 (B01 of 82194)	7150048	1.000	LSUM
1250	Steel Structure, Coating, Partial, Type 4 (B01-5 of 82194)	7150048	1.000	LSUM
1260	Steel Structure, Coating, Partial, Type 4 (B01-6 of 82194)	7150048	1.000	LSUM
1270	Steel Structure, Coating, Partial, Type 4 (S06 of 82191)	7150048	1.000	LSUM
1280	_ Downspout, PVC	7177050	26.000	Ea
1290	_ Downspout, Rem, Salv, and Install	7177050	164.000	Ea
1300	Fence, Chain Link, 72 inch	8080013	346.000	Ft
1310	Fence Gate, 16 foot, for 72 inch Chain Link Fence	8080063	1.000	Ea
1320	Fence, Chain Link, 72 inch, with 3 Strand of Barbed Wire	8080072	40.000	Ft
1330	Fence, Chain Link, 72 inch, with 6 Strand of Barbed Wire	8080075	80.000	Ft
1340	Fence, Chain Link, 96 inch, with 3 Strand of Barbed Wire	8080092	60.000	Ft
1350	_ Fence Gate, 24 foot, for 120 inch Chain Link Fence	8087050	1.000	Ea
1360	_ Fence Gate, 24 foot, for 72 inch Chain Link Fence	8087050	1.000	Ea
1370	Riprap, Plain	8130010	222.000	Syd
1380	Slope Paving Header	8130015	25.000	Ft
1390	_ Slope Protection, Replace	8137011	21.000	Syd
1400	_ Railroad Inspection and Flagging, Conrail	8507060	156,000.000	Dlr
1410	_ Railroad Inspection and Flagging, CSX Transportation	8507060	30,000.000	Dlr

1420	_ Railroad Inspection and Flagging, Grand Trunk Western Railroad Company	8507060	87,000.000	Dir
1430	_ Railroad Inspection and Flagging, Norfolk Southern	8507060	30,000.000	Dir
1440	_ Railroad Protection, Conrail	8507060	50,000.000	Dir
1450	_ Railroad Protection, CSX Transportation	8507060	50,000.000	Dir
1460	_ Railroad Protection, Grand Trunk Western Railroad Company	8507060	50,000.000	Dir
1470	_ Railroad Protection, Norfolk Southern	8507060	50,000.000	Dir

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8/26/2021 11:39 AM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 010**Letting Date:** October 1, 2021**Contract ID:** 12000-206965**Description:** 4.21 mi of hot mix asphalt cold milling and resurfacing and pavement markings on South Ray Quincy Road from Southern Road to Grove Road, Branch County. This is a Local Agency project.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
206965A	21A0812	N/A	STL 12000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$79,900.00	1100001	1.000	LSUM
0020	Approach, CI II	3070021	126.000	Ton
0030	Shld, CI II	3070121	333.000	Ton
0040	Cold Milling HMA Surface	5010002	66,169.000	Syd
0050	HMA Approach	5010061	216.000	Ton
0060	_ HMA, 36A, Modified	5017031	6,023.000	Ton
0070	Pavt Mrkg, Waterborne, 4 inch, White	8110231	46,681.000	Ft
0080	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	18,690.000	Ft
0090	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	200.000	Ea
0100	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	200.000	Ea
0110	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0120	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0130	Minor Traf Devices	8120170	1.000	LSUM
0140	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	3,913.000	Ft
0150	Sign, Type B, Temp, Prismatic, Furn	8120350	466.000	Sft
0160	Sign, Type B, Temp, Prismatic, Oper	8120351	466.000	Sft
0170	Traf Regulator Control	8120370	1.000	LSUM



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 011

**Letting Date:** October 1, 2021

**Contract ID:** 38000-206636

**Description:** 8.00 mi of hot mix asphalt, shoulders and pavement markings on Territorial Road from Lansing Avenue to Bunkerhill Road and Clark Lake Road from M-50 to south of north Stony Lake Road, Jackson County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
206636A	21A0818	N/A	STL 38000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$135,600.00	1100001	1.000	LSUM
0020	Guardrail, Rem	2040035	85.000	Ft
0030	Pavt, Rem	2040050	230.000	Syd
0040	Approach, CI I	3070001	486.000	Ton
0050	Shld, CI II	3070121	3,031.000	Ton
0060	Pavt for Butt Joints, Rem	5010008	3,550.000	Syd
0070	HMA Approach	5010061	178.000	Ton
0080	HMA, 5EL	5012036	15,840.000	Ton
0090	Guardrail, Type MGS-8	8070004	150.000	Ft
0100	Guardrail Approach Terminal, Type 2M	8070044	4.000	Ea
0110	Guardrail Reflector	8070080	16.000	Ea
0120	Guardrail, Long Span, Det MGS-3	8072123	2.000	Ea
0130	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	100.000	Ft
0140	Pavt Mrkg, Waterborne, 4 inch, White	8110231	84,240.000	Ft
0150	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	60,612.000	Ft
0160	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	84,240.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	60,612.000	Ft
0180	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	330.000	Ea
0190	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	330.000	Ea
0200	Lighted Arrow, Type B, Furn	8120130	2.000	Ea
0210	Lighted Arrow, Type B, Oper	8120131	2.000	Ea
0220	Minor Traf Devices	8120170	1.000	LSUM
0230	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	3,380.000	Ft
0240	Sign, Portable, Changeable Message, Furn	8120330	4.000	Ea
0250	Sign, Portable, Changeable Message, Oper	8120331	4.000	Ea
0260	Sign, Type B, Temp, Prismatic, Furn	8120350	544.000	Sft
0270	Sign, Type B, Temp, Prismatic, Oper	8120351	544.000	Sft



0280	Traf Regulator Control	8120370	1.000	LSUM
0290	_ Monument Box, Adj, Modified	8217050	3.000	Ea

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 012

**Letting Date:** October 1, 2021

**Contract ID:** 41131-201255

**Description:** 4.50 mi of hot mix asphalt cold milling and resurfacing and bridge rehabilitation including concrete deep overlay, expansion joint and railing replacement, steel repair, substructure repair, approach work and pavement markings on I-96 from east of Bristol Avenue to West River Drive and I-96 Connector to US-131/I-296 southbound over Marquette Rail and West River Drive in the city of Walker, Kent County. This project includes a 3 year materials and workmanship pavement warranty and two 5 year materials and workmanship pavement warranties.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
201255A	21A0870	N/A	IM 41131
210833A	21A0880	N/A	IM 41026

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Conc Quality Initiative	1000030	1,800.000	Dir
0020	Mobilization, Max \$403,900.00	1100001	1.000	LSUM
0030	Conc Barrier, Rem	2040010	79.000	Ft
0040	Guardrail, Rem	2040035	192.000	Ft
0050	Masonry and Conc Structure, Rem	2040045	5.000	Cyd
0060	Pavt, Rem	2040050	479.000	Syd
0070	Exploratory Investigation, Vertical	2040080	10.000	Ft
0080	Embankment, CIP	2050010	7.000	Cyd
0090	Excavation, Earth	2050016	76.000	Cyd
0100	Non Haz Contaminated Material Handling and Disposal, LM	2050031	300.000	Cyd
0110	Erosion Control, Inlet Protection, Fabric Drop	2080020	6.000	Ea
0120	Erosion Control, Sand Bag	2080028	50.000	Ea
0130	Erosion Control, Silt Fence	2080036	540.000	Ft
0140	Project Cleanup	2090001	1.000	LSUM
0150	_ Aggregate Base, Conditioning, Spec	3027011	500.000	Syd
0160	Shld, CI II	3070121	510.000	Ton
0170	Dr Marker Post	4011109	20.000	Ea
0180	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea
0190	Dr Structure Cover, Type DX	4030030	2.000	Ea
0200	Dr Structure, Adj, Add Depth	4030280	2.000	Ft
0210	Dr Structure, Cleaning	4030290	3.000	Ea
0220	Dr Structure, Tap, 6 inch	4030306	2.000	Ea
0230	Underdrain, Subgrade, 6 inch	4040073	100.000	Ft
0240	Underdrain Outlet, 4 inch	4040091	250.000	Ft

0250	Underdrain Outlet, 6 inch	4040093	250.000	Ft
0260	Underdrain, Outlet Ending, 4 inch	4040111	10.000	Ea
0270	Underdrain, Outlet Ending, 6 inch	4040113	10.000	Ea
0280	Video Inspection of Underdrain	4040200	500.000	Ft
0290	_ Underdrain Outlet Cleanout	4047050	40.000	Ea
0300	Cold Milling HMA Surface	5010002	144,657.000	Syd
0310	Bump Grinding	5010004	100.000	Syd
0320	HMA Surface, Rem	5010005	237.000	Syd
0330	HMA Quality Initiative	5010007	25,996.000	Dlr
0340	Longit Joint Density Quality Initiative	5010018	60,600.000	Dlr
0350	Hand Patching	5010025	255.000	Ton
0360	HMA Approach	5010061	789.000	Ton
0370	HMA, 5EML	5012037	4,156.000	Ton
0380	_ Stone Matrix Asphalt (3/8 inch Nominal Max)	5017031	7,798.000	Ton
0390	_ Ride Incentive	5017060	23,360.000	Dlr
0400	Joint, Contraction, Cp	6020200	46.000	Ft
0410	Joint, Contraction, C3p	6020201	18.000	Ft
0420	Joint, Expansion, E2	6020207	72.000	Ft
0430	Joint, Expansion, E3	6020208	79.000	Ft
0440	Joint, Expansion, E4	6020209	20.000	Ft
0450	Conc Pavt, Misc, Nonreinf, 11 inch, High Performance	6020518	208.000	Syd
0460	Conc Pavt, Bridge Approach, Reinf, High Performance	6022000	209.000	Syd
0470	Cement	6030005	1.000	Ton
0480	Valley Gutter, Conc	8020060	81.000	Ft
0490	Curb and Gutter, Bridge Approach, Det 5	8022016	35.000	Ft
0500	Curb and Gutter, Bridge Approach, Det 4A	8022021	17.000	Ft
0510	Conc Barrier, Single Face, Type C	8040003	79.000	Ft
0520	Guardrail, Type T	8070002	126.000	Ft
0530	Guardrail Reflector	8070080	6.000	Ea
0540	Guardrail Anch, Bridge, Det M2	8070131	2.000	Ea
0550	Post, Steel, 3 lb	8100371	36.000	Ft
0560	Sign, Type II, Rem	8100397	2.000	Ea
0570	Sign, Type IIB	8100399	16.000	Sft
0580	Pavt Mrkg, Ovly Cold Plastic, Merge Arrow Sym	8110050	2.000	Ea
0590	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	110.000	Ft
0600	Pavt Mrkg, Polyurea, 6 inch, White	8110094	43,343.000	Ft
0610	Pavt Mrkg, Polyurea, 6 inch, Yellow	8110095	37,045.000	Ft
0620	Pavt Mrkg, Polyurea, Wrong Way Arrow Sym	8110098	3.000	Ea
0630	Pavt Mrkg, Polyurea, 12 inch, White	8110111	9,180.000	Ft
0640	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	87.000	Ft
0650	Pavt Mrkg, Waterborne, 6 inch, White	8110233	712.000	Ft
0660	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	581.000	Ft
0670	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	712.000	Ft
0680	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	581.000	Ft
0690	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	1,230.000	Ft

0700	Rem Spec Mrkg	8110343	84.000	Sft
0710	Witness, Log, \$1,250.00	8110351	1,250.000	Dir
0720	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	8110405	1.000	Ea
0730	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	8110412	3.000	Ea
0740	Recessing Pavt Mrkg, Longit	8110450	89,568.000	Ft
0750	Recessing Pavt Mrkg, Transv	8110451	401.000	Sft
0760	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	29.000	Ea
0770	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	29.000	Ea
0780	Pedestrian Type II Barricade, Temp	8120026	18.000	Ea
0790	Pedestrian Type II Channelizer, Temp	8120027	60.000	Ft
0800	Delineator, Flexible, Temp, Furn	8120091	30.000	Ea
0810	Delineator, Flexible, Temp, Oper	8120092	30.000	Ea
0820	Lighted Arrow, Type C, Furn	8120140	8.000	Ea
0830	Lighted Arrow, Type C, Oper	8120141	8.000	Ea
0840	Ltg for Night Work	8120160	1.000	LSUM
0850	Minor Traf Devices	8120170	1.000	LSUM
0860	Mobile Attenuator	8120180	4.000	Ea
0870	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	33,300.000	Ft
0880	Plastic Drum, Fluorescent, Furn	8120252	890.000	Ea
0890	Plastic Drum, Fluorescent, Oper	8120253	890.000	Ea
0900	Sign Cover	8120310	69.000	Ea
0910	Sign Cover, Type I	8120320	9.000	Ea
0920	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	8.000	Ea
0930	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	8.000	Ea
0940	Sign, Type B, Temp, Prismatic, Furn	8120350	4,882.000	Sft
0950	Sign, Type B, Temp, Prismatic, Oper	8120351	4,882.000	Sft
0960	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	2,398.000	Sft
0970	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	2,398.000	Sft
0980	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	18,100.000	Ft
0990	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	11,600.000	Ft
1000	Pavt Mrkg, Wet Reflective, Type R, Tape, 12 inch, White, Temp	8122012	1,500.000	Ft
1010	Speed Radar Trailer, Temp	8122028	2.000	Ea
1020	_ Traf Speed Sensor, Portable, Temp	8127050	8.000	Ea
1030	_ Control System, Dynamic Work Zone Traf Monitoring System, Modified	8127051	1.000	LSUM
1040	_ Slope Restoration, Freeway, Type B	8167011	110.000	Syd
1050	Freeway Shld Corrugations, Milled, Conc	8222000	15,670.000	Ft
1060	Freeway Shld Corrugations, Milled, HMA	8222001	37,190.000	Ft
1070	Contractor Staking	8240001	1.000	LSUM
1080	Staking Plan Errors and Extras, Max \$180/hour	8240002	23.000	Hr

**Section: 2**

1090	_ Railroad Inspection and Flagging, Marquette Rail, LLC	1027060	96,000.000	Dir
1100	_ Railroad Protection, Marquette Rail, LLC	1027060	20,000.000	Dir
1110	HMA Patch, Rem	5010006	19.000	Syd
1120	Bridge Ltg, Furn and Rem (R02 of 41026)	7060001	1.000	LSUM
1130	Bridge Ltg, Oper and Maintain	7060002	137.000	Cyd
1140	Expansion Joint Device	7060050	216.000	Ft
1150	False Decking	7060060	6,135.000	Sft
1160	Reinforcement, Steel, Epoxy Coated	7060092	65,305.000	Lb
1170	Superstructure Conc, Form, Finish, and Cure, Night Casting (R02 of 41026)	7060112	1.000	LSUM
1180	Superstructure Conc, Night Casting, High Performance	7060117	137.000	Cyd
1190	Conc, Grade 4500HP	7062004	51.000	Cyd
1200	Aesthetic Texturing	7062005	328.000	Syd
1210	Shear Developers (R02 of 41026)	7070040	1.000	LSUM
1220	Joint Waterproofing	7100001	98.000	Sft
1230	Substructure Horizontal Surface Sealer (R02 of 41026)	7100030	363.000	Syd
1240	Bridge Barrier Railing, Aesthetic, Type 6, Det 1, High Performance	7112050	843.000	Ft
1250	Hand Chipping, Other Than Deck	7120007	171.000	Cft
1260	Patch, Full Depth	7120010	2.000	Cyd
1270	Patch, Forming	7120017	513.000	Sft
1280	Bridge Deck Surface Construction	7120025	1,505.000	Syd
1290	Structures, Rehabilitation, Rem Portions (R02 of 41026)	7120070	1.000	LSUM
1300	Deck Joint, Rem	7120071	221.000	Ft
1310	Latex Conc Surface, Rem	7120072	1,288.000	Syd
1320	Hydrodemolition, First Pass	7120076	1,288.000	Syd
1330	Hydrodemolition, 2nd Pass	7120077	129.000	Syd
1340	Top Flanges and Beam Ends, Clean and Coat	7120100	94.000	Syd
1350	Patching Conc, C-L	7120112	7.000	Cyd
1360	Embedded Galvanic Anode	7120120	616.000	Ea
1370	Hand Chipping, Full Depth	7122000	42.000	Cft
1380	_ Conc, Deep Bridge Deck Ovly	7127021	168.000	Cyd
1390	Beam Plate, Seal Perimeter	7130010	227.000	Ft
1400	Cutting Beam Ends, Simple Span	7130020	2.000	Ea
1410	Structural Steel, Retrofit, Furn, Fab, and Erect	7130071	3,863.000	Lb
1420	Support, Column, Temp	7130080	1.000	Ea
1430	Steel Structure, Cleaning, Partial, Type 4 (R02 of 41026)	7150047	1.000	LSUM
1440	Steel Structure, Coating, Partial, Type 4 (R02 of 41026)	7150048	1.000	LSUM
1450	Field Repr of Damaged Coating (R02 of 41026)	7160001	1.000	LSUM
1460	Conduit, Rem	8182000	220.000	Ft
1470	Conduit, Schedule 80, 3 inch	8182148	220.000	Ft

1480	DB Cable, in Conduit, 600V, 1/C#6	8182187	660.000	Ft
1490	Cable, Equipment Grounding Wire, 1/C#6	8182291	220.000	Ft
1500	Hh, Round	8182310	3.000	Ea
1510	Hh, Rem	8182330	3.000	Ea
1520	Light Std Arm, Rem and Salv	8190278	3.000	Ea
1530	Light Std Fdn	8190279	2.000	Ea
1540	Light Std Fdn, Rem	8190280	2.000	Ea
1550	Light Std Shaft, Rem and Salv	8190306	3.000	Ea
1560	Luminaire, Install Salv	8190350	3.000	Ea
1570	Luminaire, Rem and Salv	8190365	3.000	Ea
1580	_ Light Std Arm, Install Salv	8197050	3.000	Ea
1590	_ Light Std Shaft, Install Salv	8197050	3.000	Ea

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 013

**Letting Date:** October 1, 2021

**Contract ID:** 13073-200914

**Description:** Bridge rehabilitation including concrete deep overlay, deck patching, joint replacement, beam end repair, pin and hanger replacement, partial painting and approach work on I-69 at 3 bridges, Calhoun County. This project includes a 2 year warranty on concrete surface coating.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
200914A	21A0877	N/A	NH 13073

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Conc Quality Initiative	1000030	280.000	Dlr
0020	Mobilization, Max \$173,100.00	1100001	1.000	LSUM
0030	Clearing	2010001	0.350	Acre
0040	Tree, Rem, 6 inch to 18 inch	2020004	3.000	Ea
0050	Culv, Rem, Less than 24 inch	2030001	4.000	Ea
0060	Curb and Gutter, Rem	2040020	92.000	Ft
0070	Fence, Rem	2040025	494.000	Ft
0080	Guardrail, Rem	2040035	760.000	Ft
0090	Pavt, Rem	2040050	742.000	Syd
0100	Embankment, CIP	2050010	67.000	Cyd
0110	Excavation, Earth	2050016	750.000	Cyd
0120	Erosion Control, Silt Fence	2080036	1,800.000	Ft
0130	Subbase, CIP	3010002	245.000	Cyd
0140	Aggregate Base, 6 inch	3020016	600.000	Syd
0150	Open-Graded Dr Cse, 6 inch	3030006	1,115.000	Syd
0160	_ Open-Graded Dr Cse, 4 inch	3037011	740.000	Syd
0170	Shld, CI II, 4 inch	3070126	133.000	Syd
0180	Shld, CI II, 6 inch	3070128	46.000	Syd
0190	Shld, CI II, 7 inch	3070129	90.000	Syd
0200	Trenching	3070200	16.000	Sta
0210	Culv, Downspout, 12 inch	4010795	215.000	Ft
0220	Dr Marker Post	4011109	4.000	Ea
0230	_ Culv, Outlet Headwall, 12 inch	4017050	4.000	Ea
0240	Underdrain, Subgrade, Open-Graded, 6 inch	4040083	315.000	Ft
0250	Underdrain Outlet, 6 inch	4040093	175.000	Ft
0260	Underdrain, Outlet Ending, 6 inch	4040113	8.000	Ea
0270	Video Inspection of Underdrain	4040200	490.000	Ft

0280	HMA Surface, Rem	5010005	1,094.000	Syd
0290	HMA Quality Initiative	5010007	970.000	Dir
0300	HMA Approach	5010061	485.000	Ton
0310	Joint, Expansion, E2	6020207	104.000	Ft
0320	Joint, Expansion, E3	6020208	210.000	Ft
0330	Joint, Expansion, E4	6020209	34.000	Ft
0340	Conc Pavt, Misc, Nonreinf, 12 inch, High Performance	6020520	210.000	Syd
0350	Shld, Nonreinf Conc, High Performance	6020524	105.000	Syd
0360	Conc Pavt, Bridge Approach, Reinf	6020600	118.000	Syd
0370	Conc Pavt, Bridge Approach, Reinf, High Performance	6022000	321.000	Syd
0380	Joint, Expansion, Erg	6030021	164.000	Ft
0390	Downspout Header, Conc	8020070	4.000	Ea
0400	Curb and Gutter, Bridge Approach, Det 5	8022016	68.000	Ft
0410	Curb and Gutter, Bridge Approach, Det 6	8022017	105.000	Ft
0420	Curb and Gutter, Bridge Approach, Det 7	8022018	160.000	Ft
0430	Guardrail, Type B	8070000	200.000	Ft
0440	Guardrail, Type T	8070002	151.000	Ft
0450	Guardrail Departing Terminal, Type T	8070051	4.000	Ea
0460	Guardrail Reflector	8070080	35.000	Ea
0470	_ Guardrail Anch, Bridge, Det A1	8077050	8.000	Ea
0480	_ Guardrail Anch, Bridge, Det A5	8077050	4.000	Ea
0490	Fence, Woven Wire with Steel Post	8080002	495.000	Ft
0500	Delineator Reflector, Green	8100133	4.000	Ea
0510	Fdn, Wood Support, Rem	8100280	4.000	Ea
0520	Delineator, Rem	8100349	3.000	Ea
0530	Post, Rigid, Delineator	8100361	4.000	Ea
0540	Post, Wood, 4 inch by 6 inch	8100380	64.000	Ft
0550	Sign, Type II, Erect, Salv	8100396	2.000	Ea
0560	Pavt Mrkg, Waterborne, 4 inch, White	8110231	840.000	Ft
0570	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	840.000	Ft
0580	Pavt Mrkg, Waterborne, 6 inch, White	8110233	2,525.000	Ft
0590	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	2,020.000	Ft
0600	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	840.000	Ft
0610	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	840.000	Ft
0620	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	2,525.000	Ft
0630	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	2,020.000	Ft
0640	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	1,140.000	Ft
0650	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	945.000	Ft
0660	Witness, Log, \$1,250.00	8110351	1,250.000	Dir
0670	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	12.000	Ea
0680	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	12.000	Ea
0690	Conc Barrier Ending, Temp, Det 2, Adj	8120040	2.000	Ea
0700	Conc Barrier Ending, Temp, Det 2, Furn	8120041	4.000	Ea



0710	Conc Barrier Ending, Temp, Det 2, Oper	8120042	4.000	Ea
0720	Conc Barrier, Temp, Adj	8120080	2,000.000	Ft
0730	Conc Barrier, Temp, Furn	8120081	3,080.000	Ft
0740	Conc Barrier, Temp, Oper	8120082	3,080.000	Ft
0750	High Intensity Light, Type B, Furn	8120110	4.000	Ea
0760	High Intensity Light, Type B, Oper	8120111	4.000	Ea
0770	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0780	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0790	Ltg for Night Work	8120160	1.000	LSUM
0800	Minor Traf Devices	8120170	1.000	LSUM
0810	Mobile Attenuator	8120180	2.000	Ea
0820	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	4,545.000	Ft
0830	Plastic Drum, Fluorescent, Furn	8120252	260.000	Ea
0840	Plastic Drum, Fluorescent, Oper	8120253	260.000	Ea
0850	Sign Cover	8120310	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 B, Temp, Prismatic, Furn	8120350	1,909.000	Sft
0890	Sign, Type B, Temp, Prismatic, Oper	8120351	1,909.000	Sft
0900	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	150.000	Sft
0910	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	150.000	Sft
0920	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	6,900.000	Ft
0930	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	8,200.000	Ft
0940	Speed Radar Trailer, Temp	8122028	2.000	Ea
0950	Temp Rumble Strips (Orange), Advance of a Work Zone	8122187	1,296.000	Ft
0960	Riprap, Plain	8130010	96.000	Syd
0970	Fertilizer, Chemical Nutrient, CI A	8160020	46.000	Lb
0980	Seeding, Mixture THV	8160040	60.000	Lb
0990	Topsoil Surface, Furn, 4 inch	8160062	1,220.000	Syd
1000	_ Mulch Blanket, Modified	8167011	1,790.000	Syd
1010	Freeway Shld Corrugations, Milled, HMA	8222001	1,515.000	Ft
1020	Contractor Staking	8240001	1.000	LSUM
1030	Staking Plan Errors and Extras, Max \$180/hour	8240002	18.000	Hr

**Section: 2**

1040	Erosion Control, Sand Bag	2080028	2,390.000	Ea
1050	Erosion Control, Turbidity Curtain, Deep	2080042	531.000	Ft
1060	Bridge Ltg, Furn and Rem (B01 of 13073)	7060001	1.000	LSUM
1070	Bridge Ltg, Furn and Rem (B05 of 13073)	7060001	1.000	LSUM
1080	Bridge Ltg, Furn and Rem (S02 of 13073)	7060001	1.000	LSUM
1090	Bridge Ltg, Oper and Maintain	7060002	179.000	Cyd
1100	Expansion Joint Device	7060050	73.000	Ft

1110	False Decking	7060060	19,421.000	Sft
1120	Reinforcement, Steel, Epoxy Coated	7060092	3,862.000	Lb
1130	Conc, Grade 4500HP	7062004	16.000	Cyd
1140	Bushing	7070030	48.000	Ea
1150	Conc Surface Coating, Warranty (B01 of 13073)	7100009	1.000	LSUM
1160	Conc Surface Coating, Warranty (B05 of 13073)	7100009	1.000	LSUM
1170	Conc Surface Coating, Warranty (S02 of 13073)	7100009	1.000	LSUM
1180	Substructure Horizontal Surface Sealer (B01 of 13073)	7100030	26.000	Syd
1190	Substructure Horizontal Surface Sealer (B05 of 13073)	7100030	26.000	Syd
1200	Scarifying	7120001	1,822.000	Syd
1210	Hand Chipping, Deep	7120004	52.000	Syd
1220	Hand Chipping, Other Than Deck	7120007	340.000	Cft
1230	Patch, Full Depth	7120010	6.000	Cyd
1240	Patch, Forming	7120017	1,360.000	Sft
1250	Bridge Deck Surface Construction	7120025	1,873.000	Syd
1260	Conc, Silica Fume Modified	7120027	179.000	Cyd
1270	Structures, Rehabilitation, Rem Portions (B01 of 13073)	7120070	1.000	LSUM
1280	Deck Joint, Rem	7120071	71.000	Ft
1290	Hydrodemolition, First Pass	7120076	1,822.000	Syd
1300	Hydrodemolition, 2nd Pass	7120077	184.000	Syd
1310	Patching Conc, C-L	7120112	14.000	Cyd
1320	Embedded Galvanic Anode	7120120	186.000	Ea
1330	Hand Chipping, Full Depth	7122000	144.000	Cft
1340	_ Hand Chipping, Spec	7127010	213.000	Sft
1350	_ Shear Strengthening System	7127010	342.000	Sft
1360	_ Latex Modified Conc, Spec	7127020	34.000	Cft
1370	Beam Plate, Seal Perimeter	7130010	561.000	Ft
1380	Hanger Assembly, Field Measurement	7130030	12.000	Ea
1390	Hanger Assembly, Rem and Erect	7130031	12.000	Ea
1400	Structural Steel, Furn and Fab, Pin and Hanger	7130070	2,199.000	Lb
1410	Support, Column, Temp	7130080	2.000	Ea
1420	Support, Suspension, Temp	7130082	12.000	Ea
1430	Steel Structure, Cleaning, Partial, Type 4 (S02 of 13073)	7150047	1.000	LSUM
1440	Steel Structure, Coating, Partial, Type 4 (S02 of 13073)	7150048	1.000	LSUM
1450	Field Repr of Damaged Coating (S02 of 13073)	7160001	1.000	LSUM
1460	Drain Casting Assembly, Type 2	7172021	2.000	Ea
1470	Riprap, Plain	8130011	670.000	Ton



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 014

**Letting Date:** October 1, 2021

**Contract ID:** 50013-201987

**Description:** 9.27 mi of high tension cable barrier and guardrail installation along M-53 from 18 Mile Road to 27 Mile Road in the cities of Sterling Heights and Utica, Macomb County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
201987A	21A0874	N/A	HSIP 50011

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$184,200.00	1100001	1.000	LSUM
0020	Guardrail, Rem	2040035	454.000	Ft
0030	Exploratory Investigation, Vertical	2040080	120.000	Ft
0040	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0050	Erosion Control, Check Dam, Stone	2080012	120.000	Ft
0060	Erosion Control, Gravel Access Approach	2080016	4.000	Ea
0070	Erosion Control, Maintenance, Sediment Rem	2080026	20.000	Cyd
0080	Erosion Control, Sediment Trap	2080034	3.000	Ea
0090	Erosion Control, Silt Fence	2080036	1,000.000	Ft
0100	Project Cleanup	2090001	1.000	LSUM
0110	Guardrail, Type T	8070002	100.000	Ft
0120	Guardrail, Type TD	8070003	650.000	Ft
0130	Guardrail, Type MGS-8	8070004	88.000	Ft
0140	Guardrail Anch, Bridge, Det T1	8070022	6.000	Ea
0150	Guardrail Approach Terminal, Type 2M	8070044	1.000	Ea
0160	Guardrail Departing Terminal, Type T	8070051	16.000	Ea
0170	Guardrail Departing Terminal, Type MGS	8070052	1.000	Ea
0180	Guardrail Reflector	8070080	48.000	Ea
0190	Guardrail Anch, Bridge, Det A4	8070151	9.000	Ea
0200	Cable, 1000 ft Spool	8070250	5.000	Ea
0210	Cable Barrier, Intermediate Line Post	8070251	419.000	Ea
0220	Cable Barrier, Misc Hardware, Intermediate Line Post	8070252	419.000	Ea
0230	Cable Barrier, Modified Line Post and Hardware	8070253	5.000	Ea
0240	Cable Barrier, Driven Socket	8070255	50.000	Ea
0250	Cable Barrier, Turnbuckle	8070256	14.000	Ea
0260	Cable Barrier, Reflector	8070257	184.000	Ea
0270	Cable Barrier, Excluder Cap	8070258	419.000	Ea

0280	Cable Barrier, Wedge Lock Fitting	8070259	6.000	Ea
0290	Cable Barrier, Cable Splice Kit	8070260	57.000	Ea
0300	Cable Barrier Terminal, Materials	8070261	4.000	Ea
0310	Cable Barrier, High Tension, Repr Labor	8070262	65,300.000	Dlr
0320	Cable Barrier, High Tension, Maintenance Kit	8070270	1.000	Ea
0330	_ Cable Barrier, High Tension, 3-Cable, Gibraltar TL-4, Driven Socket	8077001	43,538.000	Ft
0340	_ Cable Barrier Terminal, Driven, High Tension, 3-Cable, Gibraltar TL-4	8077050	40.000	Ea
0350	Delineator Reflector, Green	8100133	18.000	Ea
0360	Post, Rigid, Delineator	8100361	18.000	Ea
0370	_ Enhanced Delineation, Bidirectional, Guardrail, Post Mtd	8107001	1,612.000	Ft
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	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0410	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0420	Minor Traf Devices	8120170	1.000	LSUM
0430	Mobile Attenuator	8120180	1.000	Ea
0440	Plastic Drum, Fluorescent, Furn	8120252	480.000	Ea
0450	Plastic Drum, Fluorescent, Oper	8120253	480.000	Ea
0460	Sign Cover	8120310	8.000	Ea
0470	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0480	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0490	Sign, Type B, Temp, Prismatic, Furn	8120350	1,364.000	Sft
0500	Sign, Type B, Temp, Prismatic, Oper	8120351	1,364.000	Sft
0510	_ Turf Establishment, Performance	8167011	19,584.000	Syd
0520	Contractor Staking	8240001	1.000	LSUM
0530	Staking Plan Errors and Extras, Max \$180/hour	8240002	21.000	Hr



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 015

**Letting Date:** October 1, 2021

**Contract ID:** 59000-210236

**Description:** 1.59 mi of hot mix asphalt shoulder widening with rumble strips, guardrail and recessed pavement markings on Sidney Road from the Montcalm Area Career Center easterly to M-66, Montcalm County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
210236A	21A0834	N/A	HRRR 59000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$53,300.00	1100001	1.000	LSUM
0020	_ Clearing, Modified	2017002	58.000	Sta
0030	Tree, Rem, 19 inch to 36 inch	2020002	7.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	42.000	Ea
0050	Stump, Rem, 19 inch to 36 inch	2020006	8.000	Ea
0060	Stump, Rem, 6 inch to 18 inch	2020008	4.000	Ea
0070	Culv, Rem, Over 48 inch	2030003	2.000	Ea
0080	Masonry and Conc Structure, Rem	2040045	5.000	Cyd
0090	Embankment, CIP	2050010	398.000	Cyd
0100	Excavation, Earth	2050016	184.000	Cyd
0110	_ Intersection Preparation	2057002	1.000	Sta
0120	Erosion Control, Silt Fence	2080036	6,733.000	Ft
0130	Aggregate Base	3020001	740.000	Ton
0140	Approach, CI I	3070001	20.000	Ton
0150	Shld, CI II	3070121	532.000	Ton
0160	Trenching	3070200	162.000	Sta
0170	Culv Bedding, Box Culv	4060005	49.000	Cyd
0180	_ Culv, Aluminum Box, 16 foot 2 inch (Span) by 5 foot 1 inch (Rise)	4067001	50.000	Ft
0190	Cold Milling HMA Surface	5010002	6,750.000	Syd
0200	HMA Surface, Rem	5010005	380.000	Syd
0210	HMA Approach	5010061	101.000	Ton
0220	HMA, 4EML	5012025	660.000	Ton
0230	HMA, 5EML	5012037	2,800.000	Ton
0240	Guardrail, Type B	8070000	38.000	Ft
0250	Guardrail, Type MGS-8	8070004	91.000	Ft
0260	Guardrail, Curved, Type B	8070010	19.000	Ft
0270	Guardrail Approach Terminal, Type 2M	8070044	3.000	Ea

0280	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0290	Post, Mailbox	8070095	20.000	Ea
0300	_ Guardrail, Backed, Det G3	8077050	2.000	Ea
0310	Post, Steel, 3 lb	8100371	80.000	Ft
0320	Sign, Type III, Erect, Salv	8100402	1.000	Ea
0330	Sign, Type III, Rem	8100403	2.000	Ea
0340	Sign, Type IIIB	8100405	17.000	Sft
0350	Reflective Panel for Permanent Sign Support, 3 foot	8100613	4.000	Ea
0360	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
0370	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
0380	Recessing Pavt Mrkg, Longit	8110450	26,052.000	Ft
0390	Pavt Mrkg, Wet Reflective Waterborne, 4 inch, White	8112144	16,752.000	Ft
0400	Pavt Mrkg, Wet Reflective Waterborne, 4 inch, Yellow	8112147	9,680.000	Ft
0410	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	5.000	Ea
0420	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	5.000	Ea
0430	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	100.000	Ea
0440	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	100.000	Ea
0450	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0460	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0470	Minor Traf Devices	8120170	1.000	LSUM
0480	Plastic Drum, Fluorescent, Furn	8120252	6.000	Ea
0490	Plastic Drum, Fluorescent, Oper	8120253	6.000	Ea
0500	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0510	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0520	Sign, Type B, Temp, Prismatic, Furn	8120350	464.000	Sft
0530	Sign, Type B, Temp, Prismatic, Oper	8120351	464.000	Sft
0540	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	95.000	Sft
0550	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	95.000	Sft
0560	Traf Regulator Control	8120370	1.000	LSUM
0570	Riprap, Plain	8130010	30.000	Syd
0580	_ Slope Restoration, Type B, Modified	8167011	610.000	Syd
0590	_ Slope Restoration, Type C, Modified	8167011	385.000	Syd
0600	Monument Box Adj	8210005	1.000	Ea
0610	Sinusoidal Corrugations, Non-Freeway, Milled, HMA Shld	8220035	14,130.000	Ft



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 016

**Letting Date:** October 1, 2021

**Contract ID:** 15031-204202

**Description:** 0.08 mi of culvert replacement includes hot mix asphalt road reconstruction, earthwork and pavement markings on M-66 over the Monroe drain, Charlevoix County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
204202A	21A0888	N/A	ST 15031

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Critical Path Method Schedule	1080005	15,000.000	Dir
0020	Mobilization, Max \$86,400.00	1100001	1.000	LSUM
0030	Clearing	2010001	0.300	Acre
0040	Embankment, CIP	2050010	110.000	Cyd
0050	Excavation, Earth	2050016	340.000	Cyd
0060	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0070	Erosion Control, Silt Fence	2080036	890.000	Ft
0080	Subbase, CIP	3010002	500.000	Cyd
0090	Maintenance Gravel, LM	3060021	20.000	Cyd
0100	Approach, CI I	3070001	143.000	Ton
0110	Approach, CI II, 4 inch	3070026	24.000	Syd
0120	Shld, CI II	3070121	86.000	Ton
0130	HMA Surface, Rem	5010005	374.000	Syd
0140	HMA Approach	5010061	145.000	Ton
0150	Guardrail, Type MGS-8	8070004	322.000	Ft
0160	Guardrail, Curved, Type B	8070010	25.000	Ft
0170	Guardrail Approach Terminal, Type 2M	8070044	3.000	Ea
0180	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0190	Guardrail Reflector	8070080	9.000	Ea
0200	Delineator Reflector, Green	8100133	4.000	Ea
0210	Post, Rigid, Delineator	8100361	4.000	Ea
0220	Pavt Mrkg, Waterborne, 6 inch, White	8110233	840.000	Ft
0230	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	840.000	Ft
0240	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	840.000	Ft
0250	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	840.000	Ft
0260	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	21.000	Ea
0270	Barricade, Type III, High Intensity, Double Sided,	8120013	21.000	Ea

	Lighted, Oper			
0280	Minor Traf Devices	8120170	1.000	LSUM
0290	Plastic Drum, Fluorescent, Furn	8120252	42.000	Ea
0300	Plastic Drum, Fluorescent, Oper	8120253	42.000	Ea
0310	Sign Cover	8120310	190.000	Ea
0320	Sign, Portable, Changeable Message, Furn	8120330	8.000	Ea
0330	Sign, Portable, Changeable Message, Oper	8120331	8.000	Ea
0340	Sign, Type B, Temp, Prismatic, Furn	8120350	2,021.000	Sft
0350	Sign, Type B, Temp, Prismatic, Oper	8120351	2,021.000	Sft
0360	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	592.000	Sft
0370	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	592.000	Sft
0380	Slope Restoration, Type B	8160101	830.000	Syd
0390	Slope Restoration, Type C	8160102	210.000	Syd
0400	Contractor Staking	8240001	1.000	LSUM
0410	Staking Plan Errors and Extras, Max \$180/hour	8240002	16.000	Hr

**Section: 2**

0420	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0430	Culv, Rem, Over 48 inch	2030003	1.000	Ea
0440	Excavation, Channel	2050015	380.000	Cyd
0450	Flowable Fill, Non-Structural	2050148	120.000	Cyd
0460	Backfill, Structure, CIP	2060002	3,000.000	Cyd
0470	Excavation, Fdn	2060010	3,200.000	Cyd
0480	Erosion Control, Filter Bag	2080014	4.000	Ea
0490	Erosion Control, Gravel Filter Berm	2080018	180.000	Ft
0500	Erosion Control, Maintenance, Sediment Rem	2080026	5.000	Cyd
0510	Erosion Control, Sediment Basin	2080032	5.000	Cyd
0520	Erosion Control, Turbidity Curtain, Shallow	2080044	100.000	Ft
0530	Geotextile, Separator, Non-Woven	3082000	230.000	Syd
0540	Dr Marker Post	4011109	2.000	Ea
0550	_ Culv, Aluminum Multi-Plate Pipe Arch, 16 foot 6 inch by 11 foot 0 inch	4017001	68.000	Ft
0560	Underdrain, Fdn, 4 inch	4040031	172.000	Ft
0570	Underdrain Outlet, 4 inch	4040091	10.000	Ft
0580	Underdrain, Outlet Ending, 4 inch	4040111	2.000	Ea
0590	Culv Bedding, Box Culv	4060005	140.000	Cyd
0600	Steel Sheet Piling, Temp	7040002	3,000.000	Sft
0610	_ Cofferdam, Left in Place, Spec (C01 of 15031)	7047051	1.000	LSUM
0620	Riprap, Plain	8130010	83.000	Syd
0630	_ Riprap, Spec, Class II	8137031	455.000	Ton
0640	_ Riprap, Under Structures, Class II	8137031	154.000	Ton





**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 017

**Letting Date:** October 1, 2021

**Contract ID:** 45021-212022

**Description:** Traffic signal installation, advanced warning sign beacons, pushbutton installations, concrete sidewalks and pavement marking on M-72 at County Road 651 and US-131BR at Boon Road, Leelanau and Wexford Counties.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
212022A	N/A	N/A	M 45021
212193A	N/A	N/A	M 83061

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$37,700.00	1100001	1.000	LSUM
0020	Sidewalk, Rem	2040055	14.000	Syd
0030	Exploratory Investigation, Vertical	2040080	70.000	Ft
0040	Excavation, Earth	2050016	3.000	Cyd
0050	Non Haz Contaminated Material Handling and Disposal, LM	2050031	30.000	Cyd
0060	Erosion Control, Inlet Protection, Fabric Drop	2080020	8.000	Ea
0070	Erosion Control, Silt Fence	2080036	500.000	Ft
0080	Project Cleanup	2090001	1.000	LSUM
0090	Aggregate Base, 6 inch	3020016	14.000	Syd
0100	Detectable Warning Surface	8030010	10.000	Ft
0110	Curb Ramp, Conc, 6 inch	8032002	125.000	Sft
0120	Fdn, Wood Support, Rem	8100280	4.000	Ea
0130	Post, Wood, 4 inch by 6 inch	8100380	164.000	Ft
0140	Sign, Type II, Rem	8100397	2.000	Ea
0150	Sign, Type IIB	8100399	20.000	Sft
0160	Sign, Type III, Rem	8100403	18.000	Ea
0170	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	128.000	Ft
0180	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	47.000	Ft
0190	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	47.000	Ft
0200	Rem Spec Mrkg	8110343	160.000	Sft
0210	Lighted Arrow, Type C, Furn	8120140	8.000	Ea
0220	Lighted Arrow, Type C, Oper	8120141	8.000	Ea
0230	Minor Traf Devices	8120170	1.000	LSUM
0240	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	104.000	Ft
0250	Plastic Drum, Fluorescent, Furn	8120252	100.000	Ea
0260	Plastic Drum, Fluorescent, Oper	8120253	100.000	Ea

0270	Sign Cover	8120310	8.000	Ea
0280	Sign, Portable, Changeable Message, Furn	8120330	6.000	Ea
0290	Sign, Portable, Changeable Message, Oper	8120331	6.000	Ea
0300	Sign, Type B, Temp, Prismatic, Furn	8120350	1,150.000	Sft
0310	Sign, Type B, Temp, Prismatic, Oper	8120351	1,150.000	Sft
0320	Traf Regulator Control	8120370	1.000	LSUM
0330	Slope Restoration, Type A	8160100	37.000	Syd
0340	Conduit, Rem	8182000	7.000	Ft
0350	Conduit, DB, 1, 1 1/2 inch	8182048	2,538.000	Ft
0360	Conduit, DB, 3, 3 inch	8182056	64.000	Ft
0370	Conduit, DB, 4, 3 inch	8182059	17.000	Ft
0380	Cable, Rem	8182196	337.000	Ft
0390	Cable, Sec, 600V, 1, 3/C#6	8182238	250.000	Ft
0400	Hh, Polymer Conc	8182309	2.000	Ea
0410	Hh, Round	8182310	15.000	Ea
0420	Hh, Round, 3 foot dia	8182319	1.000	Ea
0430	Serv Disconnect	8182366	1.000	Ea
0440	_ Cable, P.J., 600V, 1, 7/C#16	8187001	337.000	Ft
0450	_ Conduit, DB, 1, 1 inch	8187001	20.000	Ft
0460	Case Sign, Rem	8200020	2.000	Ea
0470	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	2.000	Ea
0480	Controller and Cabinet, Rem	8200030	1.000	Ea
0490	Controller Fdn, Base Mtd	8200045	2.000	Ea
0500	Controller Fdn, Rem	8200046	1.000	Ea
0510	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	2.000	Ea
0520	Pedestal, Alum	8200100	4.000	Ea
0530	Pedestal, Fdn	8200105	4.000	Ea
0540	Power Co. (Est. Cost to Contractor)	8200116	2,000.000	Dlr
0550	Pushbutton and Sign	8200121	4.000	Ea
0560	Span Wire	8200140	4.000	Ea
0570	Span Wire Tether	8200142	4.000	Ea
0580	Cabinet, NEMA Type	8200186	2.000	Ea
0590	Warning Sign	8200260	4.000	Ea
0600	TS, One Way Span Wire Mtd (LED)	8200313	8.000	Ea
0610	TS, One Way Span Wire Mtd, FYA (LED)	8200314	2.000	Ea
0620	TS, One Way Bracket Arm Mtd (LED)	8200333	2.000	Ea
0630	Bracket, Truss, With 18 Foot Arm	8200378	3.000	Ea
0640	Video Traf Detection System, Rem	8200383	1.000	Ea
0650	Video Traf Detection Camera, Rem	8200384	2.000	Ea
0660	Hemispherical Video Detection Camera	8200444	3.000	Ea
0670	Hemispherical Video Detection System	8200445	2.000	Ea
0680	Strain Pole, Steel, 6 bolt, 30 foot	8200460	2.000	Ea
0690	Strain Pole, Steel, 6 bolt, 36 foot	8200461	2.000	Ea
0700	Strain Pole Fdn, 6 Bolt	8200470	59.000	Ft
0710	Casing	8200480	45.000	Ft

0720	Cellular Modem, TS, 4th G	8200498	2.000	Ea
0730	Backplate, TS	8200501	10.000	Ea
0740	Radar Vehicle Dilemma Zone Detector System	8200520	1.000	Ea
0750	Radar Vehicle Dilemma Zone Detector Sensor	8200523	2.000	Ea
0760	_ Controller, NEMA, ATC Type	8207050	2.000	Ea
0770	Contractor Staking	8240001	1.000	LSUM
0780	Staking Plan Errors and Extras, Max \$180/hour	8240002	4.000	Hr
0790	Grounding, Bonding, and Surge Protection	8260019	1.000	LSUM
0800	Lightning Protection, Pole	8260021	1.000	Ea

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9/2/2021 11:27 AM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 018

**Letting Date:** October 1, 2021

**Contract ID:** 03072-208911

**Description:** 0.01 mi of culvert repair and slope restoration on M-40 over Bear Creek, Allegan County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
208911A	N/A	N/A	M 03072

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$36,800.00	1100001	1.000	LSUM
0020	Clearing	2010001	0.200	Acre
0030	Fence, Rem	2040025	50.000	Ft
0040	Embankment, CIP	2050010	23.000	Cyd
0050	Excavation, Earth	2050016	23.000	Cyd
0060	Erosion Control, Check Dam, Stone	2080012	30.000	Ft
0070	Erosion Control, Filter Bag	2080014	3.000	Ea
0080	Erosion Control, Gravel Filter Berm	2080018	90.000	Ft
0090	Erosion Control, Maintenance, Sediment Rem	2080026	5.000	Cyd
0100	Erosion Control, Sand Bag	2080028	300.000	Ea
0110	Erosion Control, Sediment Basin	2080032	5.000	Cyd
0120	Erosion Control, Silt Fence	2080036	400.000	Ft
0130	Erosion Control, Temp Plastic Sheet/Geotextile Cover	2080040	100.000	Syd
0140	Erosion Control, Turbidity Curtain, Deep	2080042	75.000	Ft
0150	Steel Sheet Piling, Permanent	7040001	3,106.000	Sft
0160	_ Dewatering Barrier	7047051	1.000	LSUM
0170	Reinforcement, Steel, Epoxy Coated	7060092	153.000	Lb
0180	Conc, Grade 3500HP	7062002	4.000	Cyd
0190	Hand Chipping, Other Than Deck	7120007	7.000	Cft
0200	Patch, Forming	7120017	21.000	Sft
0210	Adhesive Anchoring of Horizontal Bar, 1/2 inch	7120030	32.000	Ea
0220	Structures, Rehabilitation, Rem Portions (03072)	7120070	1.000	LSUM
0230	Patching Conc, C-L	7120112	1.000	Cyd
0240	Embedded Galvanic Anode	7120120	21.000	Ea
0250	_ Grout Backfill	8007021	17.000	Cyd
0260	Guardrail, Type B	8070000	50.000	Ft
0270	Guardrail, Salv	8070075	50.000	Ft
0280	Guardrail Reflector	8070080	2.000	Ea
0290	Pavt Mrkg, Waterborne, 4 inch, White	8110231	750.000	Ft

0300	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	500.000	Ft
0310	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	750.000	Ft
0320	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	500.000	Ft
0330	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	2.000	Ea
0340	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	2.000	Ea
0350	Conc Barrier Ending, Temp, Det 2, Furn	8120041	1.000	Ea
0360	Conc Barrier Ending, Temp, Det 2, Oper	8120042	1.000	Ea
0370	Conc Barrier Ending, Temp, Det 5, Furn	8120061	1.000	Ea
0380	Conc Barrier Ending, Temp, Det 5, Oper	8120062	1.000	Ea
0390	Conc Barrier Reflector Replacement	8120070	8.000	Ea
0400	Conc Barrier, Temp, Furn	8120081	360.000	Ft
0410	Conc Barrier, Temp, Oper	8120082	360.000	Ft
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	Mobile Attenuator	8120180	1.000	Ea
0460	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	1,250.000	Ft
0470	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,400.000	Ft
0480	Plastic Drum, Fluorescent, Furn	8120252	75.000	Ea
0490	Plastic Drum, Fluorescent, Oper	8120253	75.000	Ea
0500	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	24.000	Ft
0510	PTS System, Temp, Furn	8120270	1.000	Ea
0520	PTS System, Temp, Oper	8120271	1.000	Ea
0530	Sign Cover	8120310	20.000	Ea
0540	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0550	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0560	Sign, Type A, Temp, Prismatic, Furn	8120340	12.000	Sft
0570	Sign, Type A, Temp, Prismatic, Oper	8120341	12.000	Sft
0580	Sign, Type B, Temp, Prismatic, Furn	8120350	600.000	Sft
0590	Sign, Type B, Temp, Prismatic, Oper	8120351	600.000	Sft
0600	Traf Regulator Control	8120370	1.000	LSUM
0610	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	1,500.000	Ft
0620	Rumble Strip, Temp, Portable, Furn	8122188	12.000	Ea
0630	Rumble Strip, Temp, Portable, Oper	8122189	12.000	Ea
0640	_ Riprap, Spec, Class II	8137031	30.000	Ton
0650	Site Preparation, Max \$900.00	8150001	1.000	LSUM
0660	Watering and Cultivating, First Season, Min \$400.00	8150002	1.000	LSUM
0670	Watering and Cultivating, 2nd Season, Min \$500.00	8150003	1.000	LSUM
0680	_ Acer rubrum, #5 cont., 5 foot	8157050	4.000	Ea
0690	_ Acer saccharum, #5 cont., 5 foot	8157050	6.000	Ea
0700	Fertilizer, Chemical Nutrient, CI B	8160021	31.000	Lb
0710	Seeding, Mixture THV	8160040	38.000	Lb

0720	Topsoil Surface, Furn, 4 inch	8160062	834.000	Syd
0730	_ Mulch Blanket, Modified	8167011	834.000	Syd

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9/2/2021 11:27 AM

AASHTOWare Project™ Version 4.5 Revision 027

### Schedule of Pay Items

Report v1

**Letting Call:** 211001 019

**Letting Date:** October 1, 2021

**Contract ID:** 20015-201929

**Description:** Tree clearing and guardrail replacement along I-75 from M-93 to Marlette Road, Crawford and Otsego Counties.

#### Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201929A	21A0895	N/A	HSIP 20015

#### List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$102,600.00	1100001	1.000	LSUM
0020	_ Clearing, Special	2017002	845.000	Sta
0030	Guardrail, Rem	2040035	4,521.000	Ft
0040	Shld, CI II	3070121	60.000	Ton
0050	Guardrail, Type MGS-8	8070004	4,825.000	Ft
0060	Guardrail Approach Terminal, Type 2M	8070044	12.000	Ea
0070	Guardrail Departing Terminal, Type MGS	8070052	7.000	Ea
0080	Guardrail Reflector	8070080	112.000	Ea
0090	Guardrail Anch, Bridge, Det M7	8070136	7.000	Ea
0100	_ Enhanced Delineator, Guardrail, Post Mount	8077001	4,825.000	Ft
0110	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0120	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0130	Minor Traf Devices	8120170	1.000	LSUM
0140	Plastic Drum, Fluorescent, Furn	8120252	1,300.000	Ea
0150	Plastic Drum, Fluorescent, Oper	8120253	1,300.000	Ea
0160	Sign Cover	8120310	10.000	Ea
0170	Sign, Type A, Temp, Prismatic, Furn	8120340	14.000	Sft
0180	Sign, Type A, Temp, Prismatic, Oper	8120341	14.000	Sft
0190	Sign, Type B, Temp, Prismatic, Furn	8120350	3,800.000	Sft
0200	Sign, Type B, Temp, Prismatic, Oper	8120351	3,800.000	Sft
0210	_ Slope Restoration, Bonded Fiber Matrix	8167011	188,000.000	Syd
0220	Contractor Staking	8240001	1.000	LSUM
0230	Staking Plan Errors and Extras, Max \$180/hour	8240002	10.000	Hr



9/2/2021 11:27 AM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 020

**Letting Date:** October 1, 2021

**Contract ID:** 76062-204414

**Description:** 9.03 mi of hot mix asphalt cold milling and resurfacing, joint repairs, drainage, guardrail, bridge reconstruction and rehabilitation includes replacement with precast concrete box 24 foot by 10 foot, culvert joint and crack sealing, guardrail work and pavement markings on M-21 from east of Shiawassee Street to M-13 and on M-21 at 4 structures in the city of Corunna, Shiawassee County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
204414A	21A0878	N/A	ST 76021
207734A	21A0875	N/A	ST 76021
207735A	21A0879	N/A	ST 76021

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$634,800.00	1100001	1.000	LSUM
0020	Culv, Rem, Less than 24 inch	2030001	2.000	Ea
0030	Culv, Rem, 24 inch to 48 inch	2030002	1.000	Ea
0040	Culv, End, Rem, Less than 24 inch	2030005	10.000	Ea
0050	Culv, End, Rem, 24 inch to 48 inch	2030006	2.000	Ea
0060	Dr Structure, Rem	2030011	1.000	Ea
0070	Curb and Gutter, Rem	2040020	397.000	Ft
0080	Guardrail, Rem	2040035	1,274.000	Ft
0090	Pavt, Rem	2040050	253.000	Syd
0100	Ditch Cleanout	2050006	75.000	Sta
0110	Berm Grading	2050008	18.000	Sta
0120	Embankment, CIP	2050010	150.000	Cyd
0130	Excavation, Earth	2050016	757.000	Cyd
0140	Erosion Control, Inlet Protection, Fabric Drop	2080020	1.000	Ea
0150	Erosion Control, Inlet Protection, Sediment Trap	2080024	2.000	Ea
0160	Erosion Control, Maintenance, Sediment Rem	2080026	3.000	Cyd
0170	Erosion Control, Silt Fence	2080036	960.000	Ft
0180	Subbase, CIP	3010002	477.000	Cyd
0190	Aggregate Base, 6 inch	3020016	1,785.000	Syd
0200	Approach, CI II, 6 inch	3070028	106.000	Syd
0210	_ Shld, CI II, Modified	3077031	5,368.000	Ton
0220	Culv End Sect, 12 inch	4010012	6.000	Ea
0230	Culv End Sect, 15 inch	4010015	2.000	Ea
0240	Culv, CI F, 15 inch	4010608	40.000	Ft
0250	Culv, CI F, 18 inch	4010609	10.000	Ft



0260	Culv, Slp End Sect, 1 on 4, 18 inch, Transv	4010920	5.000	Ea
0270	Culv, Slp End Sect, 1 on 4, 36 inch, Transv	4010930	1.000	Ea
0280	Culv, Slp End Sect, 1 on 4, 48 inch, Transv	4010934	1.000	Ea
0290	Sewer, CI A, 12 inch, Tr Det A	4020004	75.000	Ft
0300	Dr Structure Cover, Type B	4030010	1.000	Ea
0310	Dr Structure Cover, Type J	4030045	1.000	Ea
0320	Dr Structure, 48 inch dia	4030210	1.000	Ea
0330	Dr Structure, Tap, 12 inch	4030312	1.000	Ea
0340	Cold Milling HMA Surface	5010002	187,015.000	Syd
0350	HMA Surface, Rem	5010005	1,602.000	Syd
0360	HMA Quality Initiative	5010007	68,392.000	Dlr
0370	Pavt for Butt Joints, Rem	5010008	607.000	Syd
0380	Longit Joint Density Quality Initiative	5010018	47,700.000	Dlr
0390	Hand Patching	5010025	60.000	Ton
0400	HMA Approach	5010061	1,421.000	Ton
0410	HMA, 4EML	5012025	17,894.000	Ton
0420	HMA, 5EML	5012037	13,272.000	Ton
0430	HMA, 4EML, High Stress	5012073	888.000	Ton
0440	HMA, 5EML, High Stress	5012085	666.000	Ton
0450	_ Pavt Joint and Crack Repr, Det 7, Spec	5017001	4,752.000	Ft
0460	_ Pavt Joint and Crack Repr, Det 8, Spec	5017001	4,752.000	Ft
0470	Conc Pavt, Bridge Approach, Reinf	6020600	947.000	Syd
0480	Lane Tie, Epoxy Anchored	6030030	30.000	Ea
0490	Curb and Gutter, Conc, Det B2	8020016	231.000	Ft
0500	Curb and Gutter, Conc, Det B3	8020017	188.000	Ft
0510	Curb and Gutter, Conc, Det D2	8020031	63.000	Ft
0520	Driveway Opening, Conc, Det M	8020050	112.000	Ft
0530	Shld Gutter, Conc, Det 2	8020056	4.000	Ea
0540	Shld Gutter, Conc, Det 3	8020057	1.000	Ea
0550	Spillway, Conc	8020075	38.000	Ft
0560	Guardrail, Type B	8070000	50.000	Ft
0570	Guardrail, Type MGS-8	8070004	700.000	Ft
0580	Guardrail, Curved, Type MGS-8	8070012	25.000	Ft
0590	Guardrail Approach Terminal, Type 2M	8070044	3.000	Ea
0600	Guardrail Departing Terminal, Type MGS	8070052	1.000	Ea
0610	Guardrail Post, Culv	8070070	4.000	Ea
0620	Guardrail Reflector	8070080	44.000	Ea
0630	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	8110044	50.000	Ft
0640	Pavt Mrkg, Ovly Cold Plastic, Rt and Lt Turn Arrow Sym	8110070	4.000	Ea
0650	Pavt Mrkg, Waterborne, 4 inch, White	8110231	97,082.000	Ft
0660	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	4,470.000	Ft
0670	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
0680	Recessing Pavt Mrkg, Longit	8110450	97,082.000	Ft
0690	Pavt Mrkg, Wet Reflective Waterborne, 4 inch, White	8112144	97,082.000	Ft

0700	Pavt Mrkg, Wet Reflective Waterborne, 4 inch, Yellow	8112147	4,470.000	Ft
0710	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0720	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	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	Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar	8120216	50.000	Ft
0770	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	97,082.000	Ft
0780	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	4,470.000	Ft
0790	Plastic Drum, Fluorescent, Furn	8120252	150.000	Ea
0800	Plastic Drum, Fluorescent, Oper	8120253	150.000	Ea
0810	Sign Cover	8120310	10.000	Ea
0820	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	6.000	Ea
0830	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	6.000	Ea
0840	Sign, Type B, Temp, Prismatic, Furn	8120350	2,400.000	Sft
0850	Sign, Type B, Temp, Prismatic, Oper	8120351	2,400.000	Sft
0860	Traf Regulator Control	8120370	1.000	LSUM
0870	Riprap, Plain	8130010	399.000	Syd
0880	Slope Restoration, Type B	8160101	5,950.000	Syd
0890	Conduit, DB, 1, 1 1/2 inch	8182048	40.000	Ft
0900	Conduit, DB, 3, 3 inch	8182056	40.000	Ft
0910	Cable Pole, TS, Disman	8182210	1.000	Ea
0920	Hh, Round	8182310	2.000	Ea
0930	Wood Pole, Rem	8182363	2.000	Ea
0940	Serv Disconnect	8182366	1.000	Ea
0950	Serv Disconnect, Rem	8182367	1.000	Ea
0960	Case Sign, Rem	8200020	1.000	Ea
0970	Case Sign (LED), Two Way, 24 inch by 30 inch	8200022	1.000	Ea
0980	Controller and Cabinet, Rem	8200030	1.000	Ea
0990	Fish Beacon, Controller and Cabinet, Solid State	8200070	1.000	Ea
1000	Span Wire	8200140	1.000	Ea
1010	Span Wire, Rem	8200141	1.000	Ea
1020	TS, Span Wire Mtd, Rem	8200182	2.000	Ea
1030	TS, Four Way Span Wire Mtd, One Sect (LED)	8200293	2.000	Ea
1040	Strain Pole, Steel, 6 bolt, 30 foot	8200460	2.000	Ea
1050	Strain Pole Fdn, 6 Bolt	8200470	30.000	Ft
1060	Casing	8200480	23.000	Ft
1070	Monument Box	8210001	1.000	Ea
1080	Monument Box Adj	8210005	10.000	Ea
1090	Monument Preservation	8210010	1.000	Ea
1100	Centerline Corrugations, Milled, HMA	8220013	47,700.000	Ft

**Section: 2**

1110	Clearing	2010001	1.000	Acre
1120	Structures, Rem (C03 of 76062)	2040060	1.000	LSUM
1130	Non Haz Contaminated Material Handling and Disposal, LM	2050031	100.000	Cyd
1140	Backfill, Structure, CIP	2060002	2,199.000	Cyd
1150	Excavation, Fdn	2060010	5,103.000	Cyd
1160	Erosion Control, Check Dam, Stone	2080012	24.000	Ft
1170	Erosion Control, Filter Bag	2080014	4.000	Ea
1180	Erosion Control, Gravel Filter Berm	2080018	180.000	Ft
1190	Erosion Control, Sand Bag	2080028	150.000	Ea
1200	Erosion Control, Sediment Basin	2080032	5.000	Cyd
1210	_ Liner, PVC, 30 mil, Spec	2087011	880.000	Syd
1220	Aggregate Base, 4 inch	3020010	270.000	Syd
1230	Geotextile, Separator	3080005	1,720.000	Syd
1240	_ Culvert Joint and Crack Sealing (B02 of 76062)	4017051	1.000	LSUM
1250	_ Culvert Joint and Crack Sealing (C02 of 76062)	4017051	1.000	LSUM
1260	_ Culvert Joint and Crack Sealing (C04 of 76062)	4017051	1.000	LSUM
1270	Underdrain, Fdn, 4 inch	4040031	370.000	Ft
1280	Underdrain Outlet, 4 inch	4040091	20.000	Ft
1290	Underdrain, Outlet Ending, 4 inch	4040111	2.000	Ea
1300	Culv Bedding, Box Culv	4060005	227.000	Cyd
1310	_ Culv, Precast Conc Box, 24 foot x 10 foot	4067001	155.000	Ft
1320	Steel Sheet Piling, Temp	7040002	2,880.000	Sft
1330	Cofferdams (C03 of 76062)	7040007	1.000	LSUM
1340	Reinforcement, Steel, Epoxy Coated	7060092	4,820.000	Lb
1350	Substructure Conc, High Performance	7060101	56.000	Cyd
1360	Joint Waterproofing	7100001	170.000	Sft
1370	_ Silane Treatment	7107010	4,358.000	Sft

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 021

**Letting Date:** October 1, 2021

**Contract ID:** 64812-207966

**Description:** 5.95 mi of overband crack seal, single course chip and fog seal on Old US-31 from the north village limit of Shelby to the Pentwater River in the city of Hart, Oceana County. This project includes a 2 year pavement performance warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
207966A	21A0912	N/A	ST 64812

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$54,700.00	1100001	1.000	LSUM
0020	Shld, CI II	3070121	1,575.000	Ton
0030	Overband Crack Fill, Lane	5020003	14.990	Lnmi
0040	Seal, Fog	5050015	140,000.000	Syd
0050	Chip Seal, Single, Warranty	5050040	140,000.000	Syd
0060	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	5.000	Ea
0070	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	10.000	Ea
0080	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	5.000	Ea
0090	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	43,525.000	Ft
0100	Pavt Mrkg, Waterborne, 6 inch, White	8110233	64,500.000	Ft
0110	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	43,525.000	Ft
0120	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	64,500.000	Ft
0130	Rem Spec Mrkg	8110343	1,067.000	Sft
0140	Witness, Log, \$1,250.00	8110351	1,250.000	Dir
0150	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	71.000	Ea
0160	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	71.000	Ea
0170	Lighted Arrow, Type B, Furn	8120130	2.000	Ea
0180	Lighted Arrow, Type B, Oper	8120131	2.000	Ea
0190	Minor Traf Devices	8120170	1.000	LSUM
0200	Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional	8120281	670.000	Ea
0210	Sign, Portable, Changeable Message, Furn	8120330	2.000	Ea
0220	Sign, Portable, Changeable Message, Oper	8120331	2.000	Ea
0230	Sign, Type B, Temp, Prismatic, Furn	8120350	902.000	Sft
0240	Sign, Type B, Temp, Prismatic, Oper	8120351	902.000	Sft
0250	Traf Regulator Control	8120370	1.000	LSUM
0260	Protect Corners	8210020	5.000	Ea



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 022

**Letting Date:** October 1, 2021

**Contract ID:** 20000-203647

**Description:** 4.75 mi of hot mix asphalt shared-use path, retaining wall, grading and slope restoration on Industrial Drive from 4 Mile Road to east of I-75, Crawford County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
203647A	21A0779	N/A	TAL 20000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Railroad Protection, at Grade Crossing	1027060	5,000.000	Dir
0020	Mobilization, Max \$141,300.00	1100001	1.000	LSUM
0030	Culv, Rem, Less than 24 inch	2030001	1.000	Ea
0040	Curb and Gutter, Rem	2040020	75.000	Ft
0050	Masonry and Conc Structure, Rem	2040045	2.000	Cyd
0060	Track, Rem	2040065	286.000	Ft
0070	Erosion Control, Silt Fence	2080036	15,000.000	Ft
0080	Approach, CI I	3070001	154.000	Ton
0090	Culv End Sect, 12 inch	4010012	2.000	Ea
0100	Culv End Sect, 15 inch	4010015	20.000	Ea
0110	Culv End Sect, 24 inch	4010024	2.000	Ea
0120	Culv, CI E, 24 inch	4010542	40.000	Ft
0130	Culv, CI F, 12 inch	4010607	52.000	Ft
0140	Culv, CI F, 15 inch	4010608	253.000	Ft
0150	Dr Structure Cover, Type B	4030010	2.000	Ea
0160	Dr Structure, 48 inch dia	4030210	2.000	Ea
0170	Hand Patching	5010025	20.000	Ton
0180	HMA Approach	5010061	137.000	Ton
0190	_ Segmental Retaining Wall	7107010	5,400.000	Sft
0200	Curb and Gutter, Conc, Det B2	8020016	36.000	Ft
0210	Detectable Warning Surface	8030010	110.000	Ft
0220	Curb Ramp Opening, Conc	8030030	39.000	Ft
0230	Sidewalk, Conc, 6 inch	8030046	120.000	Sft
0240	Curb Ramp, Conc, 6 inch	8032002	1,000.000	Sft
0250	Curb Slip, HMA	8050010	5,163.000	Ft
0260	Shared use Path, Conc	8060020	434.000	Syd
0270	Shared use Path, HMA	8060040	3,240.000	Ton
0280	_ Shared Use Path, Grading, Special	8067001	25,150.000	Ft

0290	_ Shared Use Path, Aggregate, 6 inch, Special	8067011	33,735.000	Syd
0300	Fence, Woven Wire with Steel Post	8080002	1,537.000	Ft
0310	_ Fence, Ornamental Aluminum, 48 inch	8087001	1,084.000	Ft
0320	Post, Steel, 3 lb	8100371	64.000	Ft
0330	Sign, Type IIIA	8100404	36.000	Sft
0340	Sign, Type IIIB	8100405	79.000	Sft
0350	_ Trail Sign Post	8107050	14.000	Ea
0360	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	168.000	Ft
0370	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	8110044	40.000	Ft
0380	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	4.000	Ea
0390	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	9.000	Ea
0400	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	9.000	Ea
0410	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0420	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0430	Minor Traf Devices	8120170	1.000	LSUM
0440	Plastic Drum, Fluorescent, Furn	8120252	125.000	Ea
0450	Plastic Drum, Fluorescent, Oper	8120253	125.000	Ea
0460	Sign, Type B, Temp, Prismatic, Furn	8120350	408.000	Sft
0470	Sign, Type B, Temp, Prismatic, Oper	8120351	408.000	Sft
0480	Traf Regulator Control	8120370	1.000	LSUM
0490	Riprap, Plain	8130010	161.000	Syd
0500	Slope Paving, Conc	8130020	292.000	Syd
0510	_ HMA Spillway	8147011	216.000	Syd
0520	_ Slope Restoration, Type A, Modified	8167011	4,053.000	Syd
0530	_ Slope Restoration, Type B, Modified	8167011	32,000.000	Syd
0540	_ Slope Restoration, Type C, Modified	8167011	767.000	Syd



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 023

**Letting Date:** October 1, 2021

**Contract ID:** 50000-209683

**Description:** 0.22 mi of hot mix asphalt shared-use path and pavement markings on 26 Mile Road from end of current path north of Shelby Road, crossing over the park entrance road connecting to the Park Loop Trail, Macomb 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
209683A	21A0842	N/A	TAU 50000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$15,900.00	1100001	1.000	LSUM
0020	_ Station Grading	2057002	12.000	Sta
0030	Erosion Control, Silt Fence	2080036	808.000	Ft
0040	Culv End Sect, Metal, 12 inch	4010094	4.000	Ea
0050	Culv, CI B, 12 inch	4010233	78.000	Ft
0060	Pavt for Butt Joints, Rem	5010008	6.000	Syd
0070	Detectable Warning Surface	8030010	40.000	Ft
0080	Curb Ramp, Conc, 6 inch	8032002	153.000	Sft
0090	Shared use Path, HMA	8060040	291.000	Ton
0100	_ Shared use Path, Aggregate, Modified	8067031	562.000	Ton
0110	Fence, Protective	8080007	200.000	Ft
0120	Post, Steel, 3 lb	8100371	88.000	Ft
0130	Sign, Type IIIA	8100404	22.000	Sft
0140	Sign, Type IIIB	8100405	37.000	Sft
0150	_ Post, Wood, 4 inch by 4 inch, Direct Embedment	8107001	32.000	Ft
0160	Pavt Mrkg, Polyurea, Ped	8110101	4.000	Ea
0170	Pavt Mrkg, Polyurea, Xing	8110102	8.000	Ea
0180	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	160.000	Ft
0190	Pavt Mrkg, Polyurea, 18 inch, Stop Bar	8110113	25.000	Ft
0200	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,116.000	Ft
0210	_ Pavt Mrkg, Polyurea, Road	8117050	4.000	Ea
0220	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	3.000	Ea
0230	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	3.000	Ea
0240	Pedestrian Type II Barricade, Temp	8120026	6.000	Ea
0250	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	10.000	Ea

0260	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	10.000	Ea
0270	Minor Traf Devices	8120170	1.000	LSUM
0280	Sign, Type A, Temp, Prismatic, Furn	8120340	224.000	Sft
0290	Sign, Type A, Temp, Prismatic, Oper	8120341	224.000	Sft
0300	_ Riprap, Fieldstone	8137011	10.000	Syd
0310	_ Turf Establishment, Performance	8167011	3,350.000	Syd

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9/2/2021 11:27 AM

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### Schedule of Pay Items

Report v1

**Letting Call:** 211001 024

**Letting Date:** October 1, 2021

**Contract ID:** 12000-208218

**Description:** 5.00 mi of hot mix asphalt spot cold milling and resurfacing and pavement markings on River Road from US-12 to Union City Road, Branch County. This is a Local Agency project.

#### Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
208218A	21A0844	N/A	HIPS 12000

#### List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$53,900.00	1100001	1.000	LSUM
0020	Approach, CI II	3070021	151.000	Ton
0030	Shld, CI II	3070121	397.000	Ton
0040	Pavt for Butt Joints, Rem	5010008	459.000	Syd
0050	HMA Approach	5010061	210.000	Ton
0060	_ HMA, 36A, Modified	5017031	5,234.000	Ton
0070	Pavt Mrkg, Waterborne, 4 inch, White	8110231	55,089.000	Ft
0080	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	37,107.000	Ft
0090	Pavt Mrkg, Thermopl, Rumble Strip	8110470	1,414.000	Ft
0100	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	200.000	Ea
0110	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	200.000	Ea
0120	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0130	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0140	Minor Traf Devices	8120170	1.000	LSUM
0150	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	2,016.000	Ft
0160	Sign, Type B, Temp, Prismatic, Furn	8120350	466.000	Sft
0170	Sign, Type B, Temp, Prismatic, Oper	8120351	466.000	Sft
0180	Traf Regulator Control	8120370	1.000	LSUM



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 025

**Letting Date:** October 1, 2021

**Contract ID:** 66021-209384

**Description:** 12.69 mi of hot mix asphalt cold milling, resurfacing and shoulder widening, aggregate shoulders, concrete curb and gutter and pavement markings on M-28 from Old M-28 to M-64 North junction, Ontonagon and Gogebic Counties. This project includes a 3 year materials and workmanship warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
209384A	21A0904	N/A	NH 66021
209385A	21A0905	N/A	HSIP 66021
211069A	21A0908	N/A	NH 27041

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Railroad Protection, at Grade Crossing, Grand Elk Railroad	1027060	1,500.000	Dlr
0020	_ Railroad Protection, at Grade Crossing, Wisconsin Central Railroad	1027060	1,500.000	Dlr
0030	Mobilization, Max \$353,500.00	1100001	1.000	LSUM
0040	Curb and Gutter, Rem	2040020	250.000	Ft
0050	Guardrail, Rem	2040035	175.000	Ft
0060	Berm Grading	2050008	46.000	Sta
0070	Excavation, Earth	2050016	30.000	Cyd
0080	Machine Grading	2050030	6.000	Sta
0090	Erosion Control, Silt Fence	2080036	150.000	Ft
0100	Aggregate Base, 4 inch	3020010	39,540.000	Syd
0110	Approach, CI I, 6 inch	3070008	60.000	Syd
0120	Approach, CI II	3070021	450.000	Ton
0130	Shld, CI II	3070121	10,572.000	Ton
0140	Trenching	3070200	397.000	Sta
0150	Pavt, Cleaning	5010001	1.000	LSUM
0160	Cold Milling HMA Surface	5010002	9,801.000	Syd
0170	Bump Grinding	5010004	150.000	Syd
0180	HMA Surface, Rem	5010005	13,260.000	Syd
0190	HMA Quality Initiative	5010007	51,108.000	Dlr
0200	Pavt for Butt Joints, Rem	5010008	2,090.000	Syd
0210	Edge Trimming	5010009	28,054.000	Ft
0220	Longit Joint Density Quality Initiative	5010018	114,776.000	Dlr
0230	Hand Patching	5010025	992.000	Ton

0240	HMA Approach	5010061	220.000	Ton
0250	HMA, 5EL	5012036	24,342.000	Ton
0260	Curb and Gutter, Conc, Det B2	8020016	200.000	Ft
0270	Guardrail, Type B	8070000	100.000	Ft
0280	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0290	Guardrail Reflector	8070080	20.000	Ea
0300	Guardrail Height, Adj	8070100	1,400.000	Ft
0310	Guardrail, Reconst, Type B	8070105	150.000	Ft
0320	Delineator Reflector, Green	8100133	16.000	Ea
0330	Post, Rigid, Delineator	8100361	16.000	Ea
0340	Pavt Mrkg, Waterborne, 6 inch, White	8110233	132,708.000	Ft
0350	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	22,402.000	Ft
0360	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	132,708.000	Ft
0370	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	22,402.000	Ft
0380	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
0390	Protective Ovly, Snowmobile Trail Crossing	8110550	270.000	Syd
0400	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0410	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0420	Minor Traf Devices	8120170	1.000	LSUM
0430	Plastic Drum, Fluorescent, Furn	8120252	505.000	Ea
0440	Plastic Drum, Fluorescent, Oper	8120253	505.000	Ea
0450	Sign Cover	8120310	10.000	Ea
0460	Sign, Type B, Temp, Prismatic, Furn	8120350	1,795.000	Sft
0470	Sign, Type B, Temp, Prismatic, Oper	8120351	1,795.000	Sft
0480	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	150.000	Sft
0490	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	150.000	Sft
0500	Traf Regulator Control	8120370	1.000	LSUM
0510	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	56.000	Ft
0520	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	5,800.000	Ft
0530	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, Yellow, Temp	8122006	200.000	Ft
0540	Rumble Strip, Temp, Portable, Furn	8122188	24.000	Ea
0550	Rumble Strip, Temp, Portable, Oper	8122189	24.000	Ea
0560	Riprap, Plain	8130010	6.000	Syd
0570	_ HMA Spillway	8147011	15.000	Syd
0580	Slope Restoration, Type A	8160100	450.000	Syd
0590	Slope Restoration, Type B	8160101	170.000	Syd
0600	Centerline Corrugations, Milled, HMA	8220013	66,054.000	Ft
0610	Sinusoidal Corrugations, Non-Freeway, Milled, HMA Shld	8220035	132,008.000	Ft
0620	Contractor Staking	8240001	1.000	LSUM
0630	Staking Plan Errors and Extras, Max \$180/hour	8240002	39.000	Hr



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 026

**Letting Date:** October 1, 2021

**Contract ID:** 67015-211034

**Description:** 10.80 mi of overband crack fill, single course chip seal and fog seal on US-131 from north of 14 Mile Road northerly to the White Pine Trail, Osceola and Wexford Counties. This project includes a 2 year pavement performance warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
211034A	21A0892	N/A	ST 67015

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$83,400.00	1100001	1.000	LSUM
0020	Ditch Cleanout	2050006	10.000	Sta
0030	Shld, CI II	3070121	1,750.000	Ton
0040	_ Underdrain Outlet Cleanout	4047050	30.000	Ea
0050	_ Underdrain Outlet Ending, Modified	4047050	30.000	Ea
0060	Overband Crack Fill, Lane	5020003	21.750	Lnmi
0070	Overband Crack Fill, Ramp	5020004	1.080	Lnmi
0080	Seal, Fog	5050015	258,827.000	Syd
0090	Chip Seal, Single, Warranty	5050040	258,827.000	Syd
0100	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Sym	8110051	1.000	Ea
0110	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	1.000	Ea
0120	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	1.000	Ea
0130	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	46.000	Ft
0140	Pavt Mrkg, Waterborne, 6 inch, White	8110233	78,021.000	Ft
0150	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	63,267.000	Ft
0160	Pavt Mrkg, Waterborne, 12 inch, White	8110237	1,796.000	Ft
0170	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	78,021.000	Ft
0180	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	63,267.000	Ft
0190	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	1,796.000	Ft
0200	Rem Spec Mrkg	8110343	185.000	Sft
0210	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
0220	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	11.000	Ea
0230	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	11.000	Ea
0240	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	690.000	Ea
0250	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	690.000	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	Raised Pavt Marker, Temp, Type 1, White, Monodirectional	8120280	1,182.000	Ea
0300	Sign Cover	8120310	20.000	Ea
0310	Sign, Portable, Changeable Message, NTCIP- Compliant, Furn	8120332	2.000	Ea
0320	Sign, Portable, Changeable Message, NTCIP- Compliant, Oper	8120333	2.000	Ea
0330	Sign, Type B, Temp, Prismatic, Furn	8120350	930.000	Sft
0340	Sign, Type B, Temp, Prismatic, Oper	8120351	930.000	Sft
0350	Speed Radar Trailer, Temp	8122028	2.000	Ea
0360	_ Slope Restoration, Bonded Fiber Matrix	8167011	1,000.000	Syd

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 027

**Letting Date:** October 1, 2021

**Contract ID:** 84927-132599

**Description:** Installation of reflective strips on sign supports including replacement of missing chevrons on various routes in Macomb, Oakland, and Wayne Counties.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
132599A	21A0915	N/A	HSIP 84927

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$38,000.00	1100001	1.000	LSUM
0020	Post, Steel, 3 lb	8100371	4,068.000	Ft
0030	Sign, Type III, Rem	8100403	68.000	Ea
0040	Sign, Type IIIB	8100405	1,356.000	Sft
0050	Reflective Panel for Permanent Sign Support, 3 foot	8100613	2,856.000	Ea
0060	Reflective Panel for Permanent Sign Support, 6 foot	8100616	6,996.000	Ea
0070	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	6.000	Ea
0080	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	6.000	Ea
0090	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	42.000	Ea
0100	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	42.000	Ea
0110	Minor Traf Devices	8120170	1.000	LSUM
0120	Mobile Attenuator	8120180	4.000	Ea
0130	Sign, Type B, Temp, Prismatic, Furn	8120350	96.000	Sft
0140	Sign, Type B, Temp, Prismatic, Oper	8120351	96.000	Sft
0150	Contractor Staking	8240001	1.000	LSUM
0160	Staking Plan Errors and Extras, Max \$180/hour	8240002	5.000	Hr



9/2/2021 11:27 AM

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 028

**Letting Date:** October 1, 2021

**Contract ID:** 16021-201986

**Description:** Carpool lot expansion includes hot mix asphalt cold milling and resurfacing, signing and pavement markings on M-68 just east of Club Road at the Indian River carpool lot, Cheboygan County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
201986A	21A0896	N/A	ST 16021

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$11,200.00	1100001	1.000	LSUM
0020	Masonry and Conc Structure, Rem	2040045	1.000	Cyd
0030	Pavt, Rem	2040050	11.000	Syd
0040	Excavation, Earth	2050016	450.000	Cyd
0050	Non Haz Contaminated Material Handling and Disposal, LM	2050031	25.000	Cyd
0060	Erosion Control, Maintenance, Sediment Rem	2080026	5.000	Cyd
0070	Erosion Control, Silt Fence	2080036	335.000	Ft
0080	Aggregate Base	3020001	330.000	Ton
0090	Shld, CI II	3070121	20.000	Ton
0100	Cold Milling HMA Surface	5010002	1,365.000	Syd
0110	HMA Quality Initiative	5010007	904.000	Dlr
0120	Edge Trimming	5010009	50.000	Ft
0130	Hand Patching	5010025	2.000	Ton
0140	HMA Approach	5010061	450.000	Ton
0150	Curb Slp, HMA	8050010	60.000	Ft
0160	Post Hole Through Conc for Steel Post	8100340	3.000	Ea
0170	Post, Steel, 3 lb	8100371	56.000	Ft
0180	Sign, Type III, Rem	8100403	2.000	Ea
0190	Sign, Type IIIA	8100404	11.000	Sft
0200	Pavt Mrkg, Preformed Thermopl, Accessible Sym	8110204	3.000	Ea
0210	Pavt Mrkg, Waterborne, for Rest Areas, Parks, and Lots, 4 inch, White	8110294	1,750.000	Ft
0220	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	40.000	Ea
0230	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	40.000	Ea
0240	Minor Traf Devices	8120170	1.000	LSUM
0250	Riprap, Plain	8130010	15.000	Syd
0260	Paved Ditch, HMA	8140010	17.000	Syd
0270	_ Slope Restoration, Bonded Fiber Matrix	8167011	440.000	Syd

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0280	Hh, Adj	8182328	1.000	Ea
0290	Wood Pole, Rem	8182363	2.000	Ea
0300	Steel Pole, Rem (Embedded)	8200146	4.000	Ea
0310	Contractor Staking	8240001	1.000	LSUM
0320	Staking Plan Errors and Extras, Max \$180/hour	8240002	2.000	Hr

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9/2/2021 11:27 AM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 029**Letting Date:** October 1, 2021**Contract ID:** 49025-208901**Description:** Bridge rehabilitation including concrete deep overlay, expansion joint and deck drain replacement, partial painting, substructure patching and approach work on I-75 northbound over the Pine River, Mackinac County.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
208901A	21A0919	N/A	IM 49025

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$161,200.00	1100001	1.000	LSUM
0020	Curb, Rem	2040021	34.000	Ft
0030	Guardrail, Rem	2040035	751.000	Ft
0040	Pavt, Rem	2040050	1,399.000	Syd
0050	Excavation, Earth	2050016	2,011.000	Cyd
0060	Erosion Control, Silt Fence	2080036	150.000	Ft
0070	Subbase, CIP	3010002	3,320.000	Cyd
0080	Aggregate Base	3020001	782.000	Ton
0090	Shld, CI II, 4 inch	3070126	240.000	Syd
0100	HMA Surface, Rem	5010005	3,660.000	Syd
0110	HMA Quality Initiative	5010007	1,082.000	Dlr
0120	Longit Joint Density Quality Initiative	5010018	2,800.000	Dlr
0130	HMA, 4EML	5012025	397.000	Ton
0140	HMA, 5EML	5012037	144.000	Ton
0150	Joint, Expansion, E3	6020208	66.000	Ft
0160	Conc Pavt, Bridge Approach, Reinf	6020600	120.000	Syd
0170	_ Geotextile Retaining Wall	8007011	72.000	Syd
0180	Curb and Gutter, Bridge Approach, Det 5	8022016	80.000	Ft
0190	Guardrail, Type MGS-8	8070004	463.000	Ft
0200	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0210	Guardrail Departing Terminal, Type MGS	8070052	2.000	Ea
0220	Guardrail Reflector	8070080	12.000	Ea
0230	Guardrail Anch, Bridge, Det A3	8070150	4.000	Ea
0240	Delineator Reflector, Green	8100133	4.000	Ea
0250	Post, Rigid, Delineator	8100361	4.000	Ea
0260	Post, Steel, 3 lb	8100371	39.000	Ft
0270	Sign, Type III, Rem	8100403	3.000	Ea

0280	Sign, Type IIIA	8100404	3.000	Sft
0290	Sign, Type IIIB	8100405	6.000	Sft
0300	Pavt Mrkg, Waterborne, 6 inch, White	8110233	1,203.000	Ft
0310	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	962.000	Ft
0320	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	1,203.000	Ft
0330	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	962.000	Ft
0340	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	1,265.000	Ft
0350	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0360	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0370	Conc Barrier Ending, Temp, Det 2, Furn	8120041	1.000	Ea
0380	Conc Barrier Ending, Temp, Det 2, Oper	8120042	1.000	Ea
0390	Conc Barrier Ending, Temp, Det 2, Relocated	8120043	1.000	Ea
0400	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0410	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0420	Minor Traf Devices	8120170	1.000	LSUM
0430	Pavt Mrkg Cover, Type R, Black	8120200	5,000.000	Ft
0440	Plastic Drum, Fluorescent, Furn	8120252	60.000	Ea
0450	Plastic Drum, Fluorescent, Oper	8120253	60.000	Ea
0460	Sign, Type B, Temp, Prismatic, Furn	8120350	651.000	Sft
0470	Sign, Type B, Temp, Prismatic, Oper	8120351	651.000	Sft
0480	Conc Barrier, Temp, Limited Deflection, Det 1, Furn	8121000	1,155.000	Ft
0490	Conc Barrier, Temp, Limited Deflection, Det 1, Oper	8121001	1,155.000	Ft
0500	Conc Barrier, Temp, Limited Deflection, Det 1, Adj	8121002	1,060.000	Ft
0510	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	3,900.000	Ft
0520	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	3,750.000	Ft
0530	_ Riprap, Special, Class II	8137011	200.000	Syd
0540	Slope Restoration, Type B	8160101	1,950.000	Syd
0550	Freeway Shld Corrugations, Milled, HMA	8222001	800.000	Ft
0560	Contractor Staking	8240001	1.000	LSUM
0570	Staking Plan Errors and Extras, Max \$180/hour	8240002	18.000	Hr

**Section: 2**

0580	Backfill, Structure, CIP	2060002	8.000	Cyd
0590	Excavation, Fdn	2060010	8.000	Cyd
0600	Bridge Ltg, Furn and Rem (B06-1 of 49025)	7060001	1.000	LSUM
0610	Bridge Ltg, Oper and Maintain	7060002	225.000	Cyd
0620	Expansion Joint Device	7060050	375.000	Ft
0630	False Decking	7060060	17,776.000	Sft
0640	Reinforcement, Steel, Epoxy Coated	7060092	8,667.000	Lb
0650	Sealing Localized Cracks (B06-1 of 49025)	7060220	1.000	LSUM
0660	Conc, Grade 4500	7062003	46.000	Cyd
0670	Joint Waterproofing	7100001	128.000	Sft

0680	Substructure Horizontal Surface Sealer (B06-1 of 49025)	7100030	106.000	Syd
0690	Hand Chipping, Other Than Deck	7120007	500.000	Cft
0700	Patch, Full Depth	7120010	2.000	Cyd
0710	Patch, Forming	7120017	1,500.000	Sft
0720	Bridge Deck Surface Construction	7120025	1,798.000	Syd
0730	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	24.000	Ea
0740	Structures, Rehabilitation, Rem Portions (B06-1 of 49025)	7120070	1.000	LSUM
0750	Deck Joint, Rem	7120071	360.000	Ft
0760	Latex Conc Surface, Rem	7120072	1,798.000	Syd
0770	Hydrodemolition, First Pass	7120076	1,798.000	Syd
0780	Hydrodemolition, 2nd Pass	7120077	180.000	Syd
0790	Reinforcement, Mechanical Splice	7120084	112.000	Ea
0800	Patching Conc, C-L	7120112	19.000	Cyd
0810	Embedded Galvanic Anode	7120120	740.000	Ea
0820	Hand Chipping, Full Depth	7122000	48.000	Cft
0830	_ Conc, Deep Bridge Deck Ovly	7127021	225.000	Cyd
0840	Beam Plate, Seal Perimeter	7130010	1,370.000	Ft
0850	Steel Structure, Cleaning, Partial, Type 4 (B06-1 of 49025)	7150047	1.000	LSUM
0860	Steel Structure, Coating, Partial, Type 4 (B06-1 of 49025)	7150048	1.000	LSUM
0870	Drain Casting Assembly, Type 1	7172020	8.000	Ea

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 030

**Letting Date:** October 1, 2021

**Contract ID:** 25091-127231

**Description:** 0.40 mi of hot mix asphalt reconstruction and widening for center left turn lane, storm sewer, watermain, traffic signal and pavement markings on M-15 from Lexington Street to South Street and on Clark Street from Dayton Street to M-15 in the city of Davison, Genesee County. This project includes a 5 year materials and workmanship pavement warranty.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
127231A	21A0913	N/A	CM 25091

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Railroad Protection, at Grade Crossing, Grand Trunk Western Railroad	1027060	18,000.000	Dlr
0020	Critical Path Method Schedule	1080005	15,000.000	Dlr
0030	Mobilization, Max \$236,100.00	1100001	1.000	LSUM
0040	Tree, Rem, 19 inch to 36 inch	2020002	5.000	Ea
0050	Tree, Rem, 6 inch to 18 inch	2020004	6.000	Ea
0060	Stump, Rem, 19 inch to 36 inch	2020006	1.000	Ea
0070	Dr Structure, Abandon	2030010	1.000	Ea
0080	Dr Structure, Rem	2030011	15.000	Ea
0090	Sewer, Rem, Less than 24 inch	2030015	712.000	Ft
0100	Curb and Gutter, Rem	2040020	1,141.000	Ft
0110	Sidewalk, Rem	2040055	1,868.000	Syd
0120	_ Pavt, Rem, Spec	2047011	9,785.000	Syd
0130	_ Structure Cover, Rem and Salv	2047050	7.000	Ea
0140	_ Removal of Misc Appurtenances	2047051	1.000	LSUM
0150	Embankment, CIP	2050010	280.000	Cyd
0160	Excavation, Earth	2050016	9,650.000	Cyd
0170	Non Haz Contaminated Material Handling and Disposal, LM	2050031	20.000	Cyd
0180	Subgrade Undercutting, Type II	2050041	1,000.000	Cyd
0190	Flowable Fill, Non-Structural	2050148	9.000	Cyd
0200	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0210	Erosion Control, Inlet Protection, Fabric Drop	2080020	33.000	Ea
0220	Erosion Control, Inlet Protection, Sediment Trap	2080024	9.000	Ea
0230	Erosion Control, Silt Fence	2080036	2,000.000	Ft
0240	Subbase, CIP	3010002	6,960.000	Cyd
0250	Aggregate Base, 6 inch	3020016	12,244.000	Syd

0260	Maintenance Gravel, LM	3060021	150.000	Cyd
0270	Approach, CI I, 6 inch	3070008	831.000	Syd
0280	Geotextile, Separator	3080005	2,750.000	Syd
0290	Sewer, CI A, 12 inch, Tr Det B	4020033	1,413.000	Ft
0300	Sewer, CI A, 15 inch, Tr Det B	4020034	150.000	Ft
0310	Sewer Tap, 8 inch	4021202	1.000	Ea
0320	Sewer Tap, 10 inch	4021203	1.000	Ea
0330	Sewer Tap, 12 inch	4021204	2.000	Ea
0340	Video Taping Sewer and Culv Pipe	4021275	1,511.000	Ft
0350	_ Collector Sewer, 6 inch	4027001	194.000	Ft
0360	_ Slotted Drain, Galv, 12 inch	4027001	120.000	Ft
0370	_ Sump Lead, 4 inch	4027001	32.000	Ft
0380	_ Collector Sewer Cleanout, 6 inch	4027050	3.000	Ea
0390	Dr Structure Cover, Adj, Case 1, Modified	4030004	4.000	Ea
0400	Dr Structure Cover, Adj, Case 1	4030005	8.000	Ea
0410	Dr Structure Cover, Adj, Case 2	4030006	2.000	Ea
0420	Dr Structure Cover, Type K	4030050	28.000	Ea
0430	Dr Structure Cover, Type Q	4030065	1.000	Ea
0440	Dr Structure, 48 inch dia	4030210	30.000	Ea
0450	Dr Structure, Adj, Add Depth	4030280	1.000	Ft
0460	Dr Structure, Tap, 12 inch	4030312	9.000	Ea
0470	Dr Structure, Tap, 15 inch	4030315	2.000	Ea
0480	_ Dr Structure Cover, Type B, Spec	4037050	4.000	Ea
0490	_ Dr Structure Cover, Type Q, Spec	4037050	6.000	Ea
0500	Underdrain, Subbase, 6 inch	4040063	5,595.000	Ft
0510	_ Underdrain, Rem	4047001	2,520.000	Ft
0520	HMA Surface, Rem	5010005	6,513.000	Syd
0530	HMA Quality Initiative	5010007	8,780.000	Dlr
0540	Longit Joint Density Quality Initiative	5010018	18,920.000	Dlr
0550	Hand Patching	5010025	28.000	Ton
0560	HMA Approach	5010061	473.000	Ton
0570	HMA Approach, High Stress	5010520	108.000	Ton
0580	HMA, 3EML	5012013	1,890.000	Ton
0590	HMA, 4EML	5012025	257.000	Ton
0600	HMA, 5EML	5012037	194.000	Ton
0610	HMA, 4EML, High Stress	5012073	822.000	Ton
0620	HMA, 5EML, High Stress	5012085	618.000	Ton
0630	Lane Tie, Epoxy Anchored	6030030	70.000	Ea
0640	Pavt Repr, Nonreinf Conc, 9 inch	6030046	69.000	Syd
0650	Pavt Repr, Rem	6030080	117.000	Syd
0660	_ Vibration Monitoring	8007051	1.000	LSUM
0670	Driveway, Nonreinf Conc, 6 inch	8010005	425.000	Syd
0680	Curb, Conc, Det E2	8020002	25.000	Ft
0690	Curb and Gutter, Conc, Det F2	8020036	2,259.000	Ft
0700	Curb and Gutter, Conc, Det F4	8020038	1,297.000	Ft

0710	Driveway Opening, Conc, Det M	8020050	92.000	Ft
0720	_ Curb and Gutter, Conc, Det F2, Modified	8027001	120.000	Ft
0730	Detectable Warning Surface	8030010	147.000	Ft
0740	Curb Ramp Opening, Conc	8030030	634.000	Ft
0750	Sidewalk, Conc, 4 inch	8030044	9,925.000	Sft
0760	Sidewalk, Conc, 6 inch	8030046	3,023.000	Sft
0770	Curb Ramp, Conc, 4 inch	8032001	1,556.000	Sft
0780	Curb Ramp, Conc, 6 inch	8032002	2,420.000	Sft
0790	_ Brick Paver, Install Salv	8037010	28.000	Sft
0800	_ Sidewalk, Brick Pavers, Rem and Salv	8037010	60.000	Sft
0810	Post, Steel, 3 lb	8100371	500.000	Ft
0820	Sign, Type III, Erect, Salv	8100402	9.000	Ea
0830	Sign, Type III, Rem	8100403	38.000	Ea
0840	Sign, Type IIIA	8100404	32.000	Sft
0850	Sign, Type IIIB	8100405	145.000	Sft
0860	_ Hand Digging Sign Post	8107050	28.000	Ea
0870	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	8.000	Ea
0880	Pavt Mrkg, Ovly Cold Plastic, School	8110074	4.000	Ea
0890	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	459.000	Ft
0900	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	136.000	Ft
0910	Recessing Pavt Mrkg, Longit	8110450	11,085.000	Ft
0920	Recessing Pavt Mrkg, Transv	8110451	502.000	Sft
0930	Pavt Mrkg, Wet Reflective Polyurea, 6 inch, White	8112115	1,560.000	Ft
0940	Pavt Mrkg, Wet Reflective Polyurea, 6 inch, Yellow	8112118	9,525.000	Ft
0950	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	28.000	Ea
0960	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	28.000	Ea
0970	Pedestrian Type II Barricade, Temp	8120026	7.000	Ea
0980	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	120.000	Ea
0990	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	120.000	Ea
1000	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
1010	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
1020	Ltg for Night Work	8120160	1.000	LSUM
1030	Minor Traf Devices	8120170	1.000	LSUM
1040	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	4,750.000	Ft
1050	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	11,345.000	Ft
1060	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	15,500.000	Ft
1070	Plastic Drum, Fluorescent, Furn	8120252	100.000	Ea
1080	Plastic Drum, Fluorescent, Oper	8120253	100.000	Ea
1090	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	8120265	128.000	Ft
1100	Sign Cover	8120310	10.000	Ea
1110	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	8.000	Ea

1120	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	8.000	Ea
1130	Sign, Type B, Temp, Prismatic, Furn	8120350	1,500.000	Sft
1140	Sign, Type B, Temp, Prismatic, Oper	8120351	1,500.000	Sft
1150	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	15.000	Sft
1160	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	15.000	Sft
1170	_ Pedestrian Barrier with Fence, Temp	8127001	150.000	Ft
1180	Euonymous alatus compacta, #5 cont.	8151356	2.000	Ea
1190	_ Turf Establishment, Performance	8167011	4,251.000	Syd
1200	Conduit, DB, 1, 1 1/2 inch	8182048	550.000	Ft
1210	Conduit, DB, 3, 3 inch	8182056	90.000	Ft
1220	Conduit, DB, 4, 3 inch	8182059	75.000	Ft
1230	Cable, Sec, 600V, 1, 3/C#6	8182238	90.000	Ft
1240	Hh, Polymer Conc	8182309	2.000	Ea
1250	Hh, Round	8182310	5.000	Ea
1260	Hh, Round, 3 foot dia	8182319	3.000	Ea
1270	Hh, Rem	8182330	2.000	Ea
1280	Wood Pole, Cl 4, 35 foot	8182350	11.000	Ea
1290	Serv Disconnect	8182366	3.000	Ea
1300	Serv Disconnect, Rem	8182367	3.000	Ea
1310	Wood Pole, Fit Up, Comb Sec and TS Cable Pole	8182371	3.000	Ea
1320	Case Sign, Rem	8200020	3.000	Ea
1330	Case Sign (LED), One Way, 24 inch by 30 inch	8200029	6.000	Ea
1340	Controller and Cabinet, Rem	8200030	3.000	Ea
1350	Controller Fdn, Base Mtd	8200045	3.000	Ea
1360	Controller Fdn, Rem	8200046	2.000	Ea
1370	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	1.000	Ea
1380	Pedestal, Alum	8200100	8.000	Ea
1390	Pedestal, Fdn	8200105	8.000	Ea
1400	Pushbutton and Sign	8200121	16.000	Ea
1410	Pushbutton, Rem	8200122	8.000	Ea
1420	Span Wire	8200140	12.000	Ea
1430	Span Wire, Rem	8200141	9.000	Ea
1440	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	12.000	Ea
1450	TS, Span Wire Mtd, Rem	8200182	2.000	Ea
1460	Cabinet, NEMA Type	8200186	3.000	Ea
1470	TS, One Way Span Wire Mtd (LED)	8200313	8.000	Ea
1480	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	4.000	Ea
1490	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	4.000	Ea
1500	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	8200345	8.000	Ea
1510	Bracket, Truss, With 18 Foot Arm	8200378	1.000	Ea
1520	Hemispherical Video Detection Camera	8200444	1.000	Ea
1530	Hemispherical Video Detection System	8200445	1.000	Ea

1540	TS Head, Adj	8200452	35.000	Ea
1550	TS Head, Temp	8200453	35.000	Ea
1560	TS Face, Bag	8200458	37.000	Ea
1570	TS Face, Bag, Rem	8200459	35.000	Ea
1580	Strain Pole, Steel, 6 bolt, 30 foot	8200460	3.000	Ea
1590	Strain Pole, Steel, 6 bolt, 36 foot	8200461	1.000	Ea
1600	Strain Pole Fdn, 6 Bolt	8200470	53.000	Ft
1610	Casing	8200480	39.000	Ft
1620	Cellular Modem, TS, 4th G	8200498	1.000	Ea
1630	Radar Vehicle Presence Stop-Bar Detector System	8200510	3.000	Ea
1640	Radar Vehicle Presence Stop-Bar Detector Sensor	8200513	6.000	Ea
1650	_ Conduit, DB, 1, 1 inch	8207001	20.000	Ft
1660	_ Controller, NEMA, ATC Type	8207050	3.000	Ea
1670	Monument Box	8210001	12.000	Ea
1680	Monument Preservation	8210010	12.000	Ea
1690	Protect Corners	8210020	4.000	Ea
1700	Fire Hydrant	8230040	1.000	Ea
1710	Gate Valve and Box, 6 inch	8230051	3.000	Ea
1720	Gate Valve and Box, 8 inch	8230052	1.000	Ea
1730	Hydrant, Rem	8230091	1.000	Ea
1740	Hydrant, Relocate, Case 2	8230096	2.000	Ea
1750	Water Main, DI, 6 inch, Tr Det G	8230151	22.000	Ft
1760	Water Main, DI, 8 inch, Tr Det G	8230156	678.000	Ft
1770	Water Serv	8230240	7.000	Ea
1780	Water Serv, Long	8230245	2.000	Ea
1790	Live Tap, 8 inch by 12 inch	8230264	1.000	Ea
1800	Water Shutoff, Adj, Case 1	8230421	1.000	Ea
1810	Gate Box, Adj, Case 1	8230431	2.000	Ea
1820	Grounding, Bonding, and Surge Protection	8260019	1.000	LSUM
1830	Lightning Protection, Pole	8260021	1.000	Ea



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 031**Letting Date:** October 1, 2021**Contract ID:** 05021-132601

**Description:** 37.06 mi of lane departure mitigation including shoulder widening, sign upgrades, tree clearing, guardrail work and slope flattening on M-32 from Pearsall Road easterly to US-131, on US-131 from Lears Road south to M-32 and on M-32 from US-131 to the east Otsego county line, Antrim, Charlevoix, Emmet, and Otsego Counties.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
132601A	21A0909	N/A	HSIP 05021

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$90,100.00	1100001	1.000	LSUM
0020	Clearing	2010001	0.200	Acre
0030	Tree, Rem, 19 inch to 36 inch	2020002	1.000	Ea
0040	Tree, Rem, 6 inch to 18 inch	2020004	107.000	Ea
0050	Stump, Rem, 19 inch to 36 inch	2020006	4.000	Ea
0060	Guardrail, Rem	2040035	8,480.000	Ft
0070	Embankment, LM	2050011	2,000.000	Cyd
0080	Excavation, Earth	2050016	8,200.000	Cyd
0090	Excavation, Rock	2050018	1.000	Cyd
0100	Erosion Control, Maintenance, Sediment Rem	2080026	20.000	Cyd
0110	Erosion Control, Sediment Basin	2080032	10.000	Cyd
0120	Erosion Control, Sediment Trap	2080034	10.000	Ea
0130	Erosion Control, Silt Fence	2080036	600.000	Ft
0140	Subbase, CIP	3010002	1,391.000	Cyd
0150	Aggregate Base, LM	3020002	927.000	Cyd
0160	Shld, CI II	3070121	572.000	Ton
0170	HMA Surface, Rem	5010005	3,563.000	Syd
0180	HMA Quality Initiative	5010007	3,860.000	Dlr
0190	HMA, 4EL	5012024	1,930.000	Ton
0200	Guardrail, Type MGS-8	8070004	7,425.000	Ft
0210	Guardrail, Curved, Type B	8070010	75.000	Ft
0220	Guardrail Approach Terminal, Type 2M	8070044	28.000	Ea
0230	Guardrail Departing Terminal, Type B	8070050	2.000	Ea
0240	Guardrail Reflector	8070080	342.000	Ea
0250	Post, Mailbox	8070095	3.000	Ea
0260	Fdn, Wood Support, Rem	8100280	20.000	Ea
0270	Post, Steel, 3 lb	8100371	5,536.000	Ft

0280	Post, Wood, 4 inch by 6 inch	8100380	64.000	Ft
0290	Sign, Type II, Rem	8100397	45.000	Ea
0300	Sign, Type IIA	8100398	25.000	Sft
0310	Sign, Type III, Erect, Salv	8100402	4.000	Ea
0320	Sign, Type III, Rem	8100403	100.000	Ea
0330	Sign, Type IIIA	8100404	1,768.000	Sft
0340	Sign, Type V, Rem	8100421	3.000	Ea
0350	Sign, Type VA	8100424	352.000	Sft
0360	Reflective Panel for Permanent Sign Support, 3 foot	8100613	80.000	Ea
0370	Reflective Panel for Permanent Sign Support, 6 foot	8100616	274.000	Ea
0380	_ Enhanced Delineation, Bidirectional, Guardrail, Post Mtd	8107001	7,425.000	Ft
0390	Pavt Mrkg, Waterborne, 6 inch, White	8110233	10,700.000	Ft
0400	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	500.000	Ea
0410	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	500.000	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	Sign Cover	8120310	10.000	Ea
0460	Sign, Type B, Temp, Prismatic, Furn	8120350	2,080.000	Sft
0470	Sign, Type B, Temp, Prismatic, Oper	8120351	2,080.000	Sft
0480	Traf Regulator Control	8120370	1.000	LSUM
0490	Riprap, Plain	8130011	30.000	Ton
0500	_ Slope Restoration, Bonded Fiber Matrix	8167011	15,800.000	Syd
0510	Sinusoidal Corrugations, Non-Freeway, Milled, HMA Shld	8220035	10,700.000	Ft
0520	Contractor Staking	8240001	1.000	LSUM
0530	Staking Plan Errors and Extras, Max \$180/hour	8240002	10.000	Hr



9/2/2021 11:27 AM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 032

**Letting Date:** October 1, 2021

**Contract ID:** 17000-209867

**Description:** Remove bridge and replace with 20 foot by 12 foot precast concrete culvert, guardrail and approach work on 6 Mile Road over Waiska River, Chippewa County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
209867A	N/A	N/A	MCS 17000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$106,900.00	1100001	1.000	LSUM
0020	Clearing	2010001	0.500	Acre
0030	Tree, Rem, 6 inch to 18 inch	2020004	7.000	Ea
0040	Culv, Rem, Over 48 inch	2030003	2.000	Ea
0050	Guardrail, Rem	2040035	490.000	Ft
0060	Embankment, CIP	2050010	4,600.000	Cyd
0070	Excavation, Earth	2050016	5,521.000	Cyd
0080	Subbase, CIP	3010002	380.000	Cyd
0090	Aggregate Base, 8 inch	3020020	1,138.000	Syd
0100	Shld, CI II	3070121	98.000	Ton
0110	HMA Surface, Rem	5010005	834.000	Syd
0120	HMA, 4EML	5012025	162.000	Ton
0130	HMA, 5EML	5012037	131.000	Ton
0140	High Friction Surface Treatment	5060800	1,743.000	Syd
0150	Guardrail, Type MGS-8	8070004	475.000	Ft
0160	Guardrail Approach Terminal, Type 2M	8070044	2.000	Ea
0170	Guardrail Departing Terminal, Type B	8070050	2.000	Ea
0180	Guardrail Post, Furn and Install, 96 inch	8070103	112.000	Ea
0190	Delineator Reflector, Green	8100133	4.000	Ea
0200	Delineator Reflector, White	8100134	12.000	Ea
0210	Post, Rigid, Delineator	8100361	16.000	Ea
0220	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	714.000	Ft
0230	Pavt Mrkg, Waterborne, 6 inch, White	8110233	714.000	Ft
0240	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	714.000	Ft
0250	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	714.000	Ft
0260	Recessing Pavt Mrkg, Longit	8110450	714.000	Ft
0270	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	5.000	Ea

0280	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	5.000	Ea
0290	Minor Traf Devices	8120170	1.000	LSUM
0300	Plastic Drum, Fluorescent, Furn	8120252	25.000	Ea
0310	Plastic Drum, Fluorescent, Oper	8120253	25.000	Ea
0320	Sign Cover	8120310	4.000	Ea
0330	Sign, Type B, Temp, Prismatic, Furn	8120350	223.000	Sft
0340	Sign, Type B, Temp, Prismatic, Oper	8120351	223.000	Sft
0350	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	40.000	Sft
0360	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	40.000	Sft
0370	Monument Box Adj	8210005	1.000	Ea
0380	Monument Preservation	8210010	1.000	Ea
0390	Contractor Staking	8240001	1.000	LSUM
0400	Staking Plan Errors and Extras, Max \$180/hour	8240002	1.000	Hr

**Section: 2**

0410	Backfill, Structure, CIP	2060002	1,000.000	Cyd
0420	Erosion Control, Filter Bag	2080014	1.000	Ea
0430	Erosion Control, Silt Fence	2080036	722.000	Ft
0440	_ Maintainable Drain, Steel, 4 inch	4047050	32.000	Ea
0450	Culv Bedding, Box Culv	4060005	342.000	Cyd
0460	_ Culv, Precast Conc Box, 20 foot by 10 foot	4067001	80.000	Ft
0470	_ Box Culvert Joint Tie Assemblies	4067050	68.000	Ea
0480	Cofferdams	7040007	1.000	LSUM
0490	Riprap, Heavy, LM	8130007	305.000	Cyd
0500	Riprap, Plain, LM	8130012	297.000	Cyd
0510	Slope Restoration, Non-Freeway, Type C	8162003	2,000.000	Syd



9/2/2021 11:27 AM

AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 033

**Letting Date:** October 1, 2021

**Contract ID:** 44044-204418

**Description:** 7.03 mi of road reconstruction, rest area reconstruction and rehabilitation of 4 structures on I-69 from M-24 easterly to Lake George Road, Lapeer County. This project is an Alternate Pavement Bid project. Alternate 1 (Section 2) is an HMA alternate and includes a 5 year materials and workmanship pavement warranty. Alternate 2 (Section 3) is a Concrete Alternative and includes a 5 year materials and workmanship pavement warranty. This project also includes a 5 year performance warranty and a 2 year warranty on concrete surface coating.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
204418A	N/A	N/A	RBMP 44044
204879A	21A0887	N/A	NH 44044
210139A	21A0884	N/A	IM 44044

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Opening to Traffic Incentive	1027060	100,000.000	Dlr
0020	Critical Path Method Schedule	1080005	15,000.000	Dlr
0030	Mobilization, Max	1100001	1.000	LSUM
0040	Clearing	2010001	3.700	Acre
0050	Clearing, Fence	2010002	457.000	Sta
0060	Tree, Rem, 19 inch to 36 inch	2020002	15.000	Ea
0070	Tree, Rem, 6 inch to 18 inch	2020004	87.000	Ea
0080	Culv, Rem, Less than 24 inch	2030001	34.000	Ea
0090	Culv, Rem, 24 inch to 48 inch	2030002	18.000	Ea
0100	Culv, End, Rem, Less than 24 inch	2030005	1.000	Ea
0110	Culv, End, Rem, 24 inch to 48 inch	2030006	9.000	Ea
0120	Dr Structure, Rem	2030011	19.000	Ea
0130	Sewer, Rem, Less than 24 inch	2030015	1,080.000	Ft
0140	Sewer, Rem, 24 inch to 48 inch	2030016	16.000	Ft
0150	Curb and Gutter, Rem	2040020	1,657.000	Ft
0160	Fence, Rem	2040025	70,159.000	Ft
0170	Guardrail, Rem	2040035	3,649.000	Ft
0180	Masonry and Conc Structure, Rem	2040045	2.000	Cyd
0190	Pavt, Rem	2040050	329,237.000	Syd
0200	_ Rem Building	2047051	1.000	LSUM
0210	_ Rem Misc Site Items	2047051	1.000	LSUM
0220	Backfill, Swamp	2050001	300.000	Cyd
0230	Embankment, CIP	2050010	7,692.000	Cyd

0240	Excavation, Earth	2050016	25,344.000	Cyd
0250	Excavation, Peat	2050017	500.000	Cyd
0260	Non Haz Contaminated Material Handling and Disposal, LM	2050031	500.000	Cyd
0270	Subgrade Undercutting, Type II	2050041	500.000	Cyd
0280	Flowable Fill, Non-Structural	2050148	64.000	Cyd
0290	_ Ditch Cleanout, Spec	2057001	2,795.000	Ft
0300	Ditch, Intercepting	2080005	24.000	Sta
0310	Erosion Control, Check Dam, Stone	2080012	10,840.000	Ft
0320	Erosion Control, Inlet Protection, Fabric Drop	2080020	74.000	Ea
0330	Erosion Control, Maintenance, Sediment Rem	2080026	40.000	Cyd
0340	Erosion Control, Sediment Trap	2080034	310.000	Ea
0350	Erosion Control, Silt Fence	2080036	26,358.000	Ft
0360	Project Cleanup	2090001	1.000	LSUM
0370	Subbase, CIP	3010002	7,220.000	Cyd
0380	Aggregate Base, 6 inch	3020016	13,686.000	Syd
0390	Aggregate Base, 12 inch	3020030	966.000	Syd
0400	Open-Graded Dr Cse, 6 inch	3030006	8,097.000	Syd
0410	_ Open-Graded Dr Cse, 12 inch	3037011	298.000	Syd
0420	Maintenance Gravel, LM	3060021	40.000	Cyd
0430	Shld, CI II, 6 inch	3070128	772.000	Syd
0440	_ Shld, CI II, 4 inch, Modified	3077011	531.000	Syd
0450	_ Shld, CI II, 6 inch, Modified	3077011	3,367.000	Syd
0460	Culv End Sect, 12 inch	4010012	2.000	Ea
0470	Culv End Sect, 18 inch	4010018	3.000	Ea
0480	Culv End Sect, 24 inch	4010024	92.000	Ea
0490	Culv End Sect, 30 inch	4010030	2.000	Ea
0500	Culv End Sect, 36 inch	4010036	1.000	Ea
0510	Culv End Sect, Footing	4010072	99.000	Ea
0520	Culv End Sect, Salv, 30 inch or less	4010119	2.000	Ea
0530	Culv End Sect, Salv, over 30 inch	4010120	4.000	Ea
0540	Culv, CI A, 24 inch	4010134	5,848.000	Ft
0550	Culv, CI A, 30 inch	4010135	192.000	Ft
0560	Culv, CI A, 36 inch	4010136	262.000	Ft
0570	Culv, CI B, 24 inch	4010236	508.000	Ft
0580	Culv, CI E, 24 inch	4010542	432.000	Ft
0590	Culv, Downspout, 12 inch	4010795	216.000	Ft
0600	Culv, Reinf Conc Ellip, HE CI IV, 19 inch by 30 inch	4010902	188.000	Ft
0610	Culv, Reinf Conc Ellip, HE CI IV, 22 inch by 34 inch	4010903	76.000	Ft
0620	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	1.000	Ea
0630	Culv, Slp End Sect, 1 on 6, 24 inch, Transv	4010956	9.000	Ea
0640	Culv, Slp End Sect, 1 on 6, 36 inch, Transv	4010962	1.000	Ea
0650	Culv, Slp End Sect, Ellip Pipe, 1 on 6, 19 inch by 30 inch, Transv	4011082	4.000	Ea
0660	Culv, Slp End Sect, Ellip Pipe, 1 on 6, 22 inch by 34 inch, Transv	4011084	2.000	Ea

0670	Dr Marker Post	4011109	638.000	Ea
0680	Outfall Label	4011115	26.000	Ea
0690	Steel Casing Pipe, 36 inch, Jacked in Place	4011160	314.000	Ft
0700	_ Culv Cleanout	4017001	1,364.000	Ft
0710	_ Steel Casing Pipe, 48 inch, Jacked in Place	4017001	135.000	Ft
0720	_ Culv, Outlet Headwall, 24 inch	4017050	1.000	Ea
0730	Sewer, CI A, 12 inch, Tr Det B	4020033	729.000	Ft
0740	Sewer, CI II, 24 inch, Tr Det B	4020752	16.000	Ft
0750	Sewer Bulkhead, 24 inch	4021234	4.000	Ea
0760	Sewer Bulkhead, 30 inch	4021236	2.000	Ea
0770	Video Taping Sewer and Culv Pipe	4021275	7,502.000	Ft
0780	Dr Structure Cover, Adj, Case 1	4030005	3.000	Ea
0790	Dr Structure Cover, Adj, Case 2	4030006	2.000	Ea
0800	Dr Structure Cover, Type B	4030010	4.000	Ea
0810	Dr Structure Cover, Type C	4030015	2.000	Ea
0820	Dr Structure Cover, Type D	4030025	2.000	Ea
0830	Dr Structure Cover, Type G	4030040	4.000	Ea
0840	Dr Structure Cover, Type K	4030050	12.000	Ea
0850	Dr Structure, 24 inch dia	4030200	3.000	Ea
0860	Dr Structure, 48 inch dia	4030210	16.000	Ea
0870	Underdrain, Subbase, 6 inch	4040063	6,734.000	Ft
0880	Underdrain Outlet, 4 inch	4040091	691.000	Ft
0890	Underdrain Outlet, 6 inch	4040093	13,385.000	Ft
0900	Underdrain, Outlet Ending, 4 inch	4040111	38.000	Ea
0910	Underdrain, Outlet Ending, 6 inch	4040113	535.000	Ea
0920	_ Underdrain, Rem	4047001	53,043.000	Ft
0930	Pavt, Cleaning	5010001	1.000	LSUM
0940	Cold Milling HMA Surface	5010002	9,417.000	Syd
0950	Bump Grinding	5010004	100.000	Syd
0960	HMA Surface, Rem	5010005	18,035.000	Syd
0970	HMA Quality Initiative	5010007	2,000.000	Dlr
0980	Longit Joint Density Quality Initiative	5010018	2,000.000	Dlr
0990	Hand Patching	5010025	373.000	Ton
1000	HMA Approach	5010061	299.000	Ton
1010	HMA, 3EL	5012012	434.000	Ton
1020	HMA, 4EL	5012024	354.000	Ton
1030	HMA, 5EL	5012036	1,270.000	Ton
1040	HMA, Temp Pavt (4EL)	5012102	1,750.000	Ton
1050	HMA, Temp Pavt (5EL)	5012104	656.000	Ton
1060	_ Pavt Joint and Crack Repr, Det 7, Spec	5017001	4,645.000	Ft
1070	_ Pavt Joint and Crack Repr, Det 8, Spec	5017001	4,645.000	Ft
1080	_ HMA Approach, 1.5 inch	5017011	71.000	Syd
1090	_ HMA Approach, 2 inch	5017011	71.000	Syd
1100	_ HMA, 3EML, 3 inch	5017011	71.000	Syd
1110	_ Pavt Repr, Spec	5017060	10,219.000	Dlr

1120	_ Ride Incentive	5017060	100,000.000	Dir
1130	Joint, Contraction, Cp	6020200	5,408.000	Ft
1140	Conc Pavt, Nonreinf, 8 inch, High Performance	6020500	7,326.000	Syd
1150	Conc Pavt, Bridge Approach, Reinf, High Performance	6022000	1,663.000	Syd
1160	Cold Milling Conc Pavt	6030014	2,492.000	Syd
1170	Reinforcement, Steel, Culv and Headwall	7060091	240.000	Lb
1180	Conc, Grade 3500	7062001	6.000	Cyd
1190	_ Well Connection, DI, 4 inch, Tr Det F	8007001	500.000	Ft
1200	_ Well Connection, DI, 4 inch, Tr Det G	8007001	70.000	Ft
1210	_ Sanitary Force Main, PVC, 3 inch, Tr Det A2	8007001	224.000	Ft
1220	_ Well in Drift, 8 inch	8007001	500.000	Ft
1230	_ Well in Rock, 8 inch	8007001	100.000	Ft
1240	_ Sand Media	8007021	2,500.000	Cyd
1250	_ Capacity Test	8007040	8.000	Hr
1260	_ Conc Septic Tank, 5000 Gallon	8007050	2.000	Ea
1270	_ Dosing Tank	8007050	1.000	Ea
1280	_ Picnic Stove	8007050	4.000	Ea
1290	_ Picnic Table	8007050	12.000	Ea
1300	_ Pitless Adapter	8007050	1.000	Ea
1310	_ Precast Conc Storage Building	8007050	1.000	Ea
1320	_ Propane Tank, Rem	8007050	1.000	Ea
1330	_ Submersible Pump	8007050	1.000	Ea
1340	_ Well Screen	8007050	1.000	Ea
1350	_ Abandon Well	8007051	1.000	LSUM
1360	_ Extended Water Outlet	8007051	1.000	LSUM
1370	_ Septic Tank, Rem	8007051	1.000	LSUM
1380	_ Sewage Pump Station, Abandon	8007051	1.000	LSUM
1390	_ Soil Absorption System	8007051	1.000	LSUM
1400	_ Underground Propane Tank System	8007051	1.000	LSUM
1410	_ Well Development	8007051	1.000	LSUM
1420	_ Utility, Elec	8007060	15,000.000	Dir
1430	_ Utility, Telephone	8007060	4,000.000	Dir
1440	Curb and Gutter, Conc, Det B2	8020016	784.000	Ft
1450	Curb and Gutter, Conc, Det C5	8020024	1,161.000	Ft
1460	Curb and Gutter, Conc, Det C6	8020025	986.000	Ft
1470	Curb and Gutter, Conc, Det D1	8020030	679.000	Ft
1480	Curb and Gutter, Conc, Det D2	8020031	423.000	Ft
1490	Driveway Opening, Conc, Det M	8020050	108.000	Ft
1500	Downspout Header, Conc	8020070	10.000	Ea
1510	Curb and Gutter, Bridge Approach, Det 5	8022016	212.000	Ft
1520	Curb and Gutter, Bridge Approach, Det 6	8022017	102.000	Ft
1530	Curb and Gutter, Bridge Approach, Det 7	8022018	199.000	Ft
1540	_ Conc Curb, Spec	8027001	75.000	Ft
1550	Detectable Warning Surface	8030010	25.000	Ft
1560	Curb Ramp Opening, Conc	8030030	90.000	Ft



1570	Sidewalk, Conc, 4 inch	8030044	18,500.000	Sft
1580	Sidewalk, Conc, 8 inch	8030048	400.000	Sft
1590	Curb Ramp, Conc, 4 inch	8032001	600.000	Sft
1600	Guardrail, Type MGS-8	8070004	3,039.000	Ft
1610	Guardrail, Type T, Temp	8070007	813.000	Ft
1620	Guardrail, Type MGS-8, Temp	8070013	863.000	Ft
1630	Guardrail Anch, Bridge, Det T1	8070022	16.000	Ea
1640	Guardrail Approach Terminal, Type 2M	8070044	8.000	Ea
1650	Guardrail Approach Terminal, Type 2M, Temp	8070049	8.000	Ea
1660	Guardrail Departing Terminal, Type MGS	8070052	8.000	Ea
1670	Guardrail Reflector	8070080	128.000	Ea
1680	Guardrail Anch, Bridge, Det M2	8070131	8.000	Ea
1690	Fence, Woven Wire with Wood Post	8080001	3,370.000	Ft
1700	Fence, Woven Wire with Steel Post	8080002	72,362.000	Ft
1710	_ Wood Fence	8087001	60.000	Ft
1720	Bridge Sign Connection, Conc, Type A2	8100032	8.000	Ea
1730	Bridge Sign Connection, Type A, Rem	8100080	8.000	Ea
1740	Column, Breakaway, W8 x 13	8100120	22.000	Ea
1750	Delineator Reflector, Red	8100131	117.000	Ea
1760	Delineator Reflector, Yellow	8100132	161.000	Ea
1770	Delineator Reflector, Green	8100133	24.000	Ea
1780	Delineator Reflector, White	8100134	432.000	Ea
1790	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	22.000	Ea
1800	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	8.000	Ea
1810	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	48.000	Ea
1820	Fdn, Breakaway, W8 x 13	8100160	22.000	Ea
1830	Fdn, Column Breakaway, Rem	8100220	24.000	Ea
1840	Fdn, Wood Support, Rem	8100280	60.000	Ea
1850	Installing MDOT Supplied Sign, Type III	8100302	1.000	Ea
1860	Perforated Steel Square Tube Breakaway System	8100330	4.000	Ea
1870	Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem	8100331	4.000	Ea
1880	Post, Flexible, Delineator	8100360	56.000	Ea
1890	Post, Rigid, Delineator	8100361	598.000	Ea
1900	Post, Steel, 3 lb	8100371	1,814.000	Ft
1910	Post, Wood, 4 inch by 6 inch	8100380	626.000	Ft
1920	Post, Wood, 6 inch by 8 inch	8100382	386.000	Ft
1930	Sign, Type I, Rem	8100391	16.000	Ea
1940	Sign, Type IA	8100392	1,278.000	Sft
1950	Sign, Type II, Rem	8100397	57.000	Ea
1960	Sign, Type IIA	8100398	438.000	Sft
1970	Sign, Type IIB	8100399	239.000	Sft
1980	Sign, Type III, Erect, Salv	8100402	6.000	Ea
1990	Sign, Type III, Rem	8100403	63.000	Ea

2000	Sign, Type IIIA	8100404	414.000	Sft
2010	Sign, Type IIIB	8100405	207.000	Sft
2020	Sign, Type V, Rem	8100421	6.000	Ea
2030	Sign, Type VA	8100424	18.000	Sft
2040	Sign, Type VB	8100425	128.000	Sft
2050	Reflective Panel for Permanent Sign Support, 3 foot	8100613	20.000	Ea
2060	Reflective Panel for Permanent Sign Support, 6 foot	8100616	10.000	Ea
2070	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	122.000	Ft
2080	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Sym	8110051	2.000	Ea
2090	Pavt Mrkg, Ovly Cold Plastic, Bus	8110059	1.000	Ea
2100	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
2110	Pavt Mrkg, Ovly Cold Plastic, Only	8110068	1.000	Ea
2120	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea
2130	Pavt Mrkg, Preformed Thermopl, Accessible Sym	8110204	4.000	Ea
2140	Pavt Mrkg, Waterborne, 6 inch, White	8110233	3,400.000	Ft
2150	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	1,700.000	Ft
2160	Pavt Mrkg, Waterborne, 12 inch, White	8110237	400.000	Ft
2170	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	3,400.000	Ft
2180	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	1,700.000	Ft
2190	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	400.000	Ft
2200	Pavt Mrkg, Waterborne, for Rest Areas, Parks, and Lots, 4 inch, White	8110294	7,500.000	Ft
2210	Recessing Pavt Mrkg, Longit	8110450	197,174.000	Ft
2220	Pavt Mrkg, Wet Reflective Polyurea, 6 inch, White	8112115	182,183.000	Ft
2230	Pavt Mrkg, Wet Reflective Polyurea, 12 inch, White	8112116	5,651.000	Ft
2240	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	128.000	Ea
2250	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	128.000	Ea
2260	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	16.000	Ea
2270	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	16.000	Ea
2280	Conc Barrier Ending, Temp, Det 2, Furn	8120041	3.000	Ea
2290	Conc Barrier Ending, Temp, Det 2, Oper	8120042	3.000	Ea
2300	Conc Barrier Ending, Temp, Det 2, Relocated	8120043	2.000	Ea
2310	Conc Barrier, Temp, Furn	8120081	51,972.000	Ft
2320	Conc Barrier, Temp, Oper	8120082	51,972.000	Ft
2330	Conc Barrier, Temp, Relocated	8120083	51,641.000	Ft
2340	Culv, Temp	8120090	4.000	Ea
2350	Glare Screen, Temp	8120094	7,700.000	Ft
2360	Glare Screen, Temp, Relocated	8120095	7,700.000	Ft
2370	Glare Screen, Temp, Complete Sect, Replaced	8120096	10.000	Ea
2380	High Intensity Light, Type B, Furn	8120110	1.000	Ea
2390	High Intensity Light, Type B, Oper	8120111	1.000	Ea
2400	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
2410	Lighted Arrow, Type C, Oper	8120141	2.000	Ea

2420	Minor Traf Devices	8120170	1.000	LSUM
2430	Mobile Attenuator	8120180	2.000	Ea
2440	Pavt Mrkg Cover, Type R, Black	8120200	69,417.000	Ft
2450	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	85,609.000	Ft
2460	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	4,883.000	Ft
2470	Plastic Drum, Fluorescent, Furn	8120252	1,451.000	Ea
2480	Plastic Drum, Fluorescent, Oper	8120253	1,451.000	Ea
2490	Raised Pavt Marker, Temp, Type 3, White, Monodirectional	8120300	323.000	Ea
2500	Raised Pavt Marker, Temp, Type 3, Yellow, Bidirectional	8120301	342.000	Ea
2510	Sign Cover	8120310	177.000	Ea
2520	Sign Cover, Type I	8120320	48.000	Ea
2530	Sign, Portable, Changeable Message, Furn	8120330	6.000	Ea
2540	Sign, Portable, Changeable Message, Oper	8120331	6.000	Ea
2550	Sign, Type B, Temp, Prismatic, Furn	8120350	3,488.000	Sft
2560	Sign, Type B, Temp, Prismatic, Oper	8120351	3,488.000	Sft
2570	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	819.000	Sft
2580	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	819.000	Sft
2590	Traf Regulator Control	8120370	1.000	LSUM
2600	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	114,254.000	Ft
2610	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	112,481.000	Ft
2620	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	8122004	90,144.000	Ft
2630	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, Yellow, Temp	8122006	90,434.000	Ft
2640	Speed Radar Trailer, Temp	8122028	4.000	Ea
2650	Temp Rumble Strips (Orange), Advance of a Work Zone	8122187	5,184.000	Ft
2660	Rebuilding Michigan Sign, Type VA, Modified, Temp, Furn	8123000	4.000	Ea
2670	Rebuilding Michigan Sign, Type VA, Modified, Temp, Oper	8123001	4.000	Ea
2680	_ Heavy Duty Wrecker	8127050	1.000	Ea
2690	_ Light Duty Wrecker	8127050	1.000	Ea
2700	_ Medium Duty Wrecker	8127050	1.000	Ea
2710	Riprap, Plain	8130010	1,022.000	Syd
2720	_ Steel Landscape Edging, 4 inch	8157001	218.000	Ft
2730	_ Temp Tree Protection	8157001	568.000	Ft
2740	_ Invasive Plant Rem and Control	8157011	1,000.000	Syd
2750	_ Bioretention Soil	8157021	4,935.000	Cyd
2760	_ River Rock, 2 inch	8157021	10.000	Cyd
2770	_ Horticultural Work	8157040	80.000	Hr
2780	_ Bench	8157050	8.000	Ea
2790	_ Flag Pole	8157050	1.000	Ea
2800	_ Trash Container	8157050	5.000	Ea

2810	Fertilizer, Chemical Nutrient, CI A	8160020	180.000	Lb
2820	Mulch	8160025	5,000.000	Syd
2830	Mulch Anchoring	8160026	5,000.000	Syd
2840	Seeding, Mixture TDS	8160037	230.000	Lb
2850	Topsoil Surface, Furn, 4 inch	8160062	5,000.000	Syd
2860	_ Bioretention Seeding	8167011	30,046.000	Syd
2870	_ Turf Establishment, Performance	8167011	61,631.000	Syd
2880	_ Mulch, Shredded Bark	8167021	10.000	Cyd
2890	_ Ash Urn	8167050	2.000	Ea
2900	_ Rest Area Building	8167051	1.000	LSUM
2910	Conduit, Schedule 80, 2 inch	8182146	140.000	Ft
2920	Conduit, Schedule 80, 3 inch	8182148	7,400.000	Ft
2930	Conduit, Schedule 80, 4 inch	8182150	900.000	Ft
2940	DB Cable, in Conduit, 600V, 1/C#6	8182187	21,000.000	Ft
2950	DB Cable, in Conduit, 600V, 1/C#10	8182189	4,200.000	Ft
2960	DB Cable, in Conduit, Rem	8182197	1,400.000	Ft
2970	Cable, Equipment Grounding Wire, 1/C#6	8182291	2,335.000	Ft
2980	Cable, Equipment Grounding Wire, 1/C#10	8182293	1,400.000	Ft
2990	Hh, Heavy Duty Cover	8182308	31.000	Ea
3000	Hh, Rem	8182330	14.000	Ea
3010	_ DB Cable in Conduit, 600V, 1/C#350 KCM	8187001	100.000	Ft
3020	Light Std Arm, 6 foot	8190265	20.000	Ea
3030	Light Std Arm, Rem	8190277	12.000	Ea
3040	Light Std Fdn	8190279	27.000	Ea
3050	Light Std Fdn, Rem	8190280	12.000	Ea
3060	Light Std Shaft, 30 foot or less	8190285	9.000	Ea
3070	Light Std Shaft, 31 foot to 40 foot	8190286	18.000	Ea
3080	Light Std Shaft, Rem	8190305	12.000	Ea
3090	Luminaire, Rem	8190360	12.000	Ea
3100	_ Luminaire, Parking	8197050	18.000	Ea
3110	_ Luminaire, Walkway	8197050	9.000	Ea
3120	_ Luminaire, Flagpole	8197050	2.000	Ea
3130	_ Outdoor Outlet	8197050	2.000	Ea
3140	Freeway Shld Corrugations, Milled, Conc	8222000	28,884.000	Ft
3150	Sanitary Sewer, PVC, 6 inch, Tr Det A2	8252024	288.000	Ft
3160	Sanitary Sewer, PVC, 6 inch, Tr Det B2	8252036	49.000	Ft
3170	Sanitary Structure, 60 inch dia	8252073	3.000	Ea
3180	Sanitary Structure Cover, Type Q	8252098	3.000	Ea
3190	Sanitary Structure, Rem	8252105	1.000	Ea

**Section: 2**

3200	Embankment, CIP	2050010	18,490.000	Cyd
3210	Excavation, Earth	2050016	563,452.000	Cyd
3220	Subbase, CIP	3010002	314,654.000	Cyd
3230	Aggregate Base, 6 inch	3020016	383,775.000	Syd

3240	Aggregate Base, 12 inch	3020030	1,125.000	Syd
3250	_ Shld, CI II, 6 1/2 inch, Modified	3077011	11,269.000	Syd
3260	_ Shld, CI II, 9 1/4 inch, Modified	3077011	39,968.000	Syd
3270	Underdrain, Subbase, 6 inch	4040063	158,280.000	Ft
3280	HMA Quality Initiative	5010007	275,000.000	Dlr
3290	_ HMA Approach, 1.5 inch	5017011	2,418.000	Syd
3300	_ HMA Approach, 2 inch	5017011	4,558.000	Syd
3310	_ HMA Approach, 3.5 inch	5017011	2,140.000	Syd
3320	_ HMA, 3EMH, 3.5 inch	5017011	241,209.000	Syd
3330	_ HMA, 3EMH, 3.75 inch	5017011	244,348.000	Syd
3340	_ HMA, 3EML, 3 inch	5017011	23,005.000	Syd
3350	_ HMA, 3EML, 3.5 inch	5017011	102,078.000	Syd
3360	_ HMA, 3EML, 3.75 inch	5017011	102,078.000	Syd
3370	_ HMA, 4EML, 2 inch	5017011	21,515.000	Syd
3380	_ HMA, 5EMH, 2 inch	5017011	241,209.000	Syd
3390	_ HMA, 5EML, 1.5 inch	5017011	21,515.000	Syd
3400	_ HMA, 5EML, 2 inch	5017011	102,078.000	Syd
3410	_ Turf Establishment, Performance	8167011	629,941.000	Syd
3420	Freeway Shld Corrugations, Milled, HMA	8222001	143,907.000	Ft

**Section: 3**

3430	Conc Quality Initiative	10000030	275,000.000	Dlr
3440	Embankment, CIP	2050010	20,531.000	Cyd
3450	Excavation, Earth	2050016	438,580.000	Cyd
3460	Subbase, CIP	3010002	207,305.000	Cyd
3470	Open-Graded Dr Cse, 6 inch	3030006	410,254.000	Syd
3480	_ Open-Graded Dr Cse, 12 inch	3037011	828.000	Syd
3490	_ Shld, CI II, 10 inch, Modified	3077011	48,152.000	Syd
3500	_ Shld, CI II, 8 inch, Modified	3077011	3,124.000	Syd
3510	Geotextile, Separator	3080005	396,701.000	Syd
3520	Underdrain, Pipe, Open-Graded, 6 inch	4040043	158,121.000	Ft
3530	Conc Pavt, Misc, Nonreinf, 8 inch	6020054	1,307.000	Syd
3540	Joint, Contraction, Cp	6020200	152,256.000	Ft
3550	Joint, Contraction, C3p	6020201	81,917.000	Ft
3560	Joint, Expansion, E2	6020207	854.000	Ft
3570	Joint, Expansion, E3	6020208	285.000	Ft
3580	Joint, Expansion, E4	6020209	542.000	Ft
3590	Conc Pavt, Nonreinf, 8 inch, High Performance	6020500	12,977.000	Syd
3600	Conc Pavt, Nonreinf, 10 inch, High Performance	6020504	220,477.000	Syd
3610	Conc Pavt, Misc, Nonreinf, 10 inch, High Performance	6020516	3,139.000	Syd
3620	Shld, Nonreinf Conc, High Performance	6020524	131,374.000	Syd
3630	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Shadow Tape, Black	8110389	9,124.000	Ft
3640	_ Turf Establishment, Performance	8167011	593,824.000	Syd
3650	Freeway Shld Corrugations, Milled, Conc	8222000	143,907.000	Ft

**Section: 4**

3660	Backfill, Structure, CIP	2060002	160.000	Cyd
3670	Excavation, Fdn	2060010	270.000	Cyd
3680	Erosion Control, Turbidity Curtain, Shallow	2080044	280.000	Ft
3690	HMA Patch, Rem	5010006	3.000	Syd
3700	Bridge Ltg, Furn and Rem (B01 of 44044)	7060001	1.000	LSUM
3710	Bridge Ltg, Furn and Rem (B02 of 44044)	7060001	1.000	LSUM
3720	Bridge Ltg, Furn and Rem (B05 of 44044)	7060001	1.000	LSUM
3730	Bridge Ltg, Furn and Rem (B06 of 44044)	7060001	1.000	LSUM
3740	Bridge Ltg, Oper and Maintain	7060002	182.000	Cyd
3750	Expansion Joint Device	7060050	456.000	Ft
3760	False Decking	7060060	14,490.000	Sft
3770	Reinforcement, Steel, Epoxy Coated	7060092	98,030.000	Lb
3780	Substructure Conc, High Performance	7060101	56.000	Cyd
3790	Superstructure Conc, Form, Finish, and Cure, Night Casting (B01 of 44044)	7060112	1.000	LSUM
3800	Superstructure Conc, Form, Finish, and Cure, Night Casting (B02 of 44044)	7060112	1.000	LSUM
3810	Superstructure Conc, Form, Finish, and Cure, Night Casting (B05 of 44044)	7060112	1.000	LSUM
3820	Superstructure Conc, Form, Finish, and Cure, Night Casting (B06 of 44044)	7060112	1.000	LSUM
3830	Superstructure Conc, Night Casting, High Performance	7060117	182.000	Cyd
3840	Conc, Grade 4500HP	7062004	70.000	Cyd
3850	Joint Waterproofing	7100001	548.000	Sft
3860	Conc Surface Coating, Warranty (B01 of 44044)	7100009	1.000	LSUM
3870	Conc Surface Coating, Warranty (B02 of 44044)	7100009	1.000	LSUM
3880	Conc Surface Coating, Warranty (B05 of 44044)	7100009	1.000	LSUM
3890	Conc Surface Coating, Warranty (B06 of 44044)	7100009	1.000	LSUM
3900	Substructure Horizontal Surface Sealer (B01 of 44044)	7100030	34.000	Syd
3910	Substructure Horizontal Surface Sealer (B02 of 44044)	7100030	36.000	Syd
3920	Substructure Horizontal Surface Sealer (B05 of 44044)	7100030	33.000	Syd
3930	Substructure Horizontal Surface Sealer (B06 of 44044)	7100030	41.000	Syd
3940	Reflective Marker, Permanent Barrier	7110003	32.000	Ea
3950	Bridge Barrier Railing, Aesthetic, Type 6, Det 2, High Performance	7112062	1,249.000	Ft
3960	Hand Chipping, Deep	7120004	17.000	Syd
3970	Hand Chipping, Other Than Deck	7120007	35.000	Cft
3980	Patch, Full Depth	7120010	4.000	Cyd
3990	Patch, Forming	7120017	106.000	Sft
4000	Epoxy Ovly, Rem	7120021	1,609.000	Syd
4010	Structures, Rehabilitation, Rem Portions (B01 of 44044)	7120070	1.000	LSUM
4020	Structures, Rehabilitation, Rem Portions (B02 of 44044)	7120070	1.000	LSUM
4030	Structures, Rehabilitation, Rem Portions (B05 of 44044)	7120070	1.000	LSUM

4040	Structures, Rehabilitation, Rem Portions (B06 of 44044)	7120070	1.000	LSUM
4050	Deck Joint, Rem	7120071	374.000	Ft
4060	Patching Conc, C-L	7120112	5.000	Cyd
4070	Embedded Galvanic Anode	7120120	407.000	Ea
4080	Hand Chipping, Full Depth	7122000	100.000	Cft
4090	_ Hand Chipping, Spec	7127010	1,018.000	Sft
4100	_ High Friction Epoxy Ovly, Warranty	7127011	3,643.000	Syd
4110	_ Latex Modified Conc, Spec	7127021	92.000	Cyd
4120	_ Bridge Cleaning (B01 of 44044)	7127051	1.000	LSUM
4130	_ Bridge Cleaning (B02 of 44044)	7127051	1.000	LSUM
4140	_ Bridge Cleaning (B05 of 44044)	7127051	1.000	LSUM
4150	_ Bridge Cleaning (B06 of 44044)	7127051	1.000	LSUM
4160	_ Support, Suspension, Temp, Spec Det 1	7137050	96.000	Ea
4170	_ Support, Suspension, Temp, Spec Det 2	7137050	32.000	Ea
4180	_ Riprap, Under Structures, Class II	8137031	1,610.000	Ton
4190	Structure Survey During Construction (B01 of 44044)	8240020	1.000	LSUM
4200	Structure Survey During Construction (B02 of 44044)	8240020	1.000	LSUM
4210	Structure Survey During Construction (B05 of 44044)	8240020	1.000	LSUM
4220	Structure Survey During Construction (B06 of 44044)	8240020	1.000	LSUM

**Section: 5**

4230	_ Calendar Days of Contract Time for Opening to Traffic, Eastbound I-69	1027060	40,000.000	Dir
4240	_ Calendar Days of Contract Time for Opening to Traffic, Westbound I-69	1027060	40,000.000	Dir



9/2/2021 11:27 AM

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 034

**Letting Date:** October 1, 2021

**Contract ID:** 58151-211052

**Description:** LED Lighting and site luminaire replacement on I-75 at the Monroe Welcome Center in the city of Monroe, Monroe County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
211052A	21A0914	N/A	ST 58151

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$11,800.00	1100001	1.000	LSUM
0020	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
0030	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
0040	Pedestrian Type II Barricade, Temp	8120026	12.000	Ea
0050	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0060	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0070	Minor Traf Devices	8120170	1.000	LSUM
0080	Plastic Drum, Fluorescent, Furn	8120252	40.000	Ea
0090	Plastic Drum, Fluorescent, Oper	8120253	40.000	Ea
0100	Sign Cover	8120310	5.000	Ea
0110	Sign, Type B, Temp, Prismatic, Furn	8120350	140.000	Sft
0120	Sign, Type B, Temp, Prismatic, Oper	8120351	140.000	Sft
0130	Luminaire, Rem	8190360	42.000	Ea
0140	_ Luminaire, LED Install	8197050	114.000	Ea
0150	_ Luminaire, Parking	8197050	32.000	Ea
0160	_ Luminaire, Rem, Spec	8197050	110.000	Ea
0170	_ Luminaire, Walkway	8197050	10.000	Ea





**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 035

**Letting Date:** October 1, 2021

**Contract ID:** 48000-206152

**Description:** 0.75 mi of hot mix asphalt surfacing, shoulders and pavement markings on County Road 466 from County Road 451 to County Road 403, Luce County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
206152A	21A0832	N/A	STL 48000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$13,500.00	1100001	1.000	LSUM
0020	Approach, CI II, LM	3070023	5.000	Cyd
0030	Shld, CI II, LM	3070123	220.000	Cyd
0040	Dr Structure Cover, Adj, Case 1	4030005	1.000	Ea
0050	Cold Milling HMA Surface	5010002	1,877.000	Syd
0060	Pavt for Butt Joints, Rem	5010008	741.000	Syd
0070	HMA Approach	5010061	51.000	Ton
0080	HMA, 4EL	5012024	1,284.000	Ton
0090	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	22.000	Ft
0100	Pavt Mrkg, Waterborne, 4 inch, White	8110231	4,997.000	Ft
0110	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	1,188.000	Ft
0120	Pavt Mrkg, Polyurea, Railroad Sym	8110411	1.000	Ea
0130	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	44.000	Ea
0140	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	44.000	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	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	316.000	Ft
0190	Sign, Type B, Temp, Prismatic, Furn	8120350	604.000	Sft
0200	Sign, Type B, Temp, Prismatic, Oper	8120351	604.000	Sft
0210	Traf Regulator Control	8120370	1.000	LSUM
0220	Monument Box Adj	8210005	1.000	Ea
0230	Monument Preservation	8210010	1.000	Ea
0240	Gate Box, Reconst, Case 1	8230411	1.000	Ea

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 036**Letting Date:** October 1, 2021**Contract ID:** 82000-210496**Description:** Signal modernization includes steel strain poles, controller and cabinet, aluminum pedestals and pavement markings on McNichols Road at Hubbell Road, Wayne County. This is a Local Agency project.**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
210496A	21A0817	N/A	HSIP 82000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$20,900.00	1100001	1.000	LSUM
0020	Curb and Gutter, Rem	2040020	100.000	Ft
0030	Sidewalk, Rem	2040055	125.000	Syd
0040	Excavation, Earth	2050016	5.000	Cyd
0050	Non Haz Contaminated Material Handling and Disposal, LM	2050031	1.000	Cyd
0060	_ Embankment, CIP, Modified	2057021	5.000	Cyd
0070	Erosion Control, Inlet Protection, Fabric Drop	2080020	2.000	Ea
0080	Erosion Control, Silt Fence	2080036	2.000	Ft
0090	_ Aggregate Base, 4 inch, Modified	3027011	125.000	Syd
0100	_ Misc HMA, Hand Patching	5017031	5.000	Ton
0110	Lane Tie, Epoxy Anchored	6030030	40.000	Ea
0120	Curb and Gutter, Conc, Det F3	8020037	40.000	Ft
0130	Detectable Warning Surface	8030010	50.000	Ft
0140	Curb Ramp Opening, Conc	8030030	80.000	Ft
0150	Sidewalk, Conc, 4 inch	8030044	550.000	Sft
0160	Curb Ramp, Conc, 6 inch	8032002	550.000	Sft
0170	Sign, Type III, Rem	8100403	4.000	Ea
0180	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	100.000	Ft
0190	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	50.000	Ft
0200	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	100.000	Ft
0210	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	100.000	Ft
0220	Pedestrian Type II Barricade, Temp	8120026	10.000	Ea
0230	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0240	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0250	Minor Traf Devices	8120170	1.000	LSUM
0260	Plastic Drum, Fluorescent, Furn	8120252	40.000	Ea
0270	Plastic Drum, Fluorescent, Oper	8120253	40.000	Ea

0280	Sign, Type B, Temp, Prismatic, Furn	8120350	112.000	Sft
0290	Sign, Type B, Temp, Prismatic, Oper	8120351	112.000	Sft
0300	Traf Regulator Control	8120370	1.000	LSUM
0310	Water, Sodding/Seeding	8160090	10.000	Unit
0320	_ Misc Seeding, Mixture THM	8167011	15.000	Syd
0330	Conduit, DB, 1, 1 1/2 inch	8182048	150.000	Ft
0340	Conduit, DB, 3, 3 inch	8182056	40.000	Ft
0350	Conduit, DB, 4, 3 inch	8182059	10.000	Ft
0360	Cable Pole, TS and Sec, Disman	8182209	1.000	Ea
0370	Cable Pole, TS, Disman	8182210	1.000	Ea
0380	Cable, Sec, 600V, 1, 3/C#6	8182238	200.000	Ft
0390	Hh, Round	8182310	3.000	Ea
0400	Hh, Round, 3 foot dia	8182319	1.000	Ea
0410	Wood Pole, Rem	8182363	1.000	Ea
0420	Serv Disconnect	8182366	1.000	Ea
0430	Wood Pole, Fit Up, Sec Cable Pole	8182381	1.000	Ea
0440	Controller and Cabinet, Rem	8200030	1.000	Ea
0450	Controller Fdn, Base Mtd	8200045	1.000	Ea
0460	Global Positioning System Module	8200050	1.000	Ea
0470	Fdn, Rem	8200065	2.000	Ea
0480	Pedestal, Fdn	8200105	7.000	Ea
0490	Pedestal Fdn, Rem	8200106	1.000	Ea
0500	Pedestal, Rem	8200110	1.000	Ea
0510	Power Co. (Est. Cost to Contractor)	8200116	1,000.000	Dlr
0520	Pushbutton and Sign	8200121	8.000	Ea
0530	Pushbutton, Pedestal, Alum	8200123	7.000	Ea
0540	Span Wire	8200140	1.000	Ea
0550	Span Wire, Rem	8200141	3.000	Ea
0560	Span Wire Tether	8200142	4.000	Ea
0570	Steel Pole, Rem	8200145	2.000	Ea
0580	TS, Bracket Arm Mtd, Rem	8200175	1.000	Ea
0590	TS, Pedestal Mtd, Rem	8200179	1.000	Ea
0600	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	3.000	Ea
0610	TS, Pedestrian, Pedestal Mtd, Rem	8200181	1.000	Ea
0620	TS, Span Wire Mtd, Rem	8200182	2.000	Ea
0630	TS, One Way Span Wire Mtd (LED)	8200313	8.000	Ea
0640	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	8200339	4.000	Ea
0650	Bracket, Truss, With 18 Foot Arm	8200378	2.000	Ea
0660	Video Traf Detection System	8200380	1.000	Ea
0670	Video Traf Detection Camera	8200381	2.000	Ea
0680	Junction Box, Span Wire	8200456	4.000	Ea
0690	Junction Box, Rem	8200457	1.000	Ea
0700	TS Face, Bag	8200458	5.000	Ea
0710	TS Face, Bag, Rem	8200459	5.000	Ea

0720	Strain Pole, Steel, 6 bolt, 30 foot	8200460	4.000	Ea
0730	Strain Pole Fdn, 6 Bolt	8200470	53.000	Ft
0740	Casing	8200480	39.000	Ft
0750	Backplate, TS	8200501	8.000	Ea
0760	_ Controller and Cabinet, Digital Type	8207050	1.000	Ea
0770	_ Span Wire, Box	8207050	1.000	Ea
0780	_ St Name Sign, Two Way, (LED), 6 foot	8207050	4.000	Ea
0790	_ Street Name Sign Bracket Arm, 8 foot	8207050	4.000	Ea
0800	Monument Box Adj	8210005	1.000	Ea
0810	Monument Preservation	8210010	1.000	Ea

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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 037

**Letting Date:** October 1, 2021

**Contract ID:** 63000-210378

**Description:** Install signal backplates, span wires and tethers, anchor guys and strut guys on various routes, Oakland County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
210378A	21A0846	N/A	HSIP 63000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$35,000.00	1100001	1.000	LSUM
0020	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	25.000	Ea
0030	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	25.000	Ea
0040	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0050	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0060	Minor Traf Devices	8120170	1.000	LSUM
0070	Sign, Type B, Temp, Prismatic, Furn	8120350	208.000	Sft
0080	Sign, Type B, Temp, Prismatic, Oper	8120351	208.000	Sft
0090	Traf Regulator Control	8120370	1.000	LSUM
0100	Anchor Guy	8200001	15.000	Ea
0110	Span Wire, Rem	8200141	10.000	Ea
0120	Strut Guy	8200168	4.000	Ea
0130	_ Backplate, Retrofit, 3 Section, RCOC	8207050	256.000	Ea
0140	_ Backplate, Retrofit, 3 Section, with case sign, RCOC	8207050	8.000	Ea
0150	_ Backplate, Retrofit, 4 Section, RCOC	8207050	47.000	Ea
0160	_ Backplate, Retrofit, 5 Section, RCOC	8207050	30.000	Ea
0170	_ Backplate, TS, Rem, RCOC	8207050	39.000	Ea
0180	_ Span Wire, Adjust, RCOC	8207050	48.000	Ea
0190	_ Tether Wire, Box, Bottom, RCOC	8207050	40.000	Ea
0200	_ Traffic Signal Splice Box, Adjust, RCOC	8207050	4.000	Ea



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 038

**Letting Date:** October 1, 2021

**Contract ID:** 45000-205781

**Description:** 1.84 mi of hot mix asphalt base crushing, shaping and resurfacing, aggregate shoulders and pavement markings on Bugai Road from M-72 north to Lincoln Road, Leelanau County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
205781A	21A0810	N/A	STL 45000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$51,500.00	1100001	1.000	LSUM
0020	Pavt, Rem	2040050	7.000	Syd
0030	HMA Base Crushing and Shaping	3050002	18,950.000	Syd
0040	Material, Surplus and Unsuitable, Rem, LM	3050010	140.000	Cyd
0050	Approach, CI III	3070041	74.000	Ton
0060	Shld, CI III	3070141	815.000	Ton
0070	HMA Surface, Rem	5010005	175.000	Syd
0080	Pavt for Butt Joints, Rem	5010008	1,645.000	Syd
0090	HMA Approach	5010061	105.000	Ton
0100	HMA, 4EL	5012024	1,915.000	Ton
0110	HMA, 5EL	5012036	3,600.000	Ton
0120	Driveway, Nonreinf Conc, 6 inch	8010005	7.000	Syd
0130	Pavt Mrkg, Waterborne, 4 inch, White	8110231	17,870.000	Ft
0140	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	17,870.000	Ft
0150	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	250.000	Ea
0160	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	250.000	Ea
0170	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0180	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0190	Minor Traf Devices	8120170	1.000	LSUM
0200	Sign, Type B, Temp, Prismatic, Furn	8120350	460.000	Sft
0210	Sign, Type B, Temp, Prismatic, Oper	8120351	460.000	Sft
0220	Traf Regulator Control	8120370	1.000	LSUM
0230	_ Slope Restoration	8167002	98.000	Sta
0240	Monument Box	8210001	2.000	Ea
0250	Monument Box Adj	8210005	1.000	Ea
0260	Monument Preservation	8210010	2.000	Ea



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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 039**Letting Date:** October 1, 2021**Contract ID:** 63000-210953

**Description:** 0.31 mi of hot mix asphalt shared-use path along 11 Mile Road at Wildlife Woods Park/ITC Trail in the city of Novi, Oakland 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
210953A	21A0792	N/A	TAU 63000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Additional Insurance	1077060	2,000.000	Dir
0020	Mobilization, Max \$19,600.00	1500001	1.000	LSUM
0030	_ Subgrade Undercutting, Special (1 X 3)	2057021	335.000	Cyd
0040	_ Erosion Control, Silt Fence, Modified	2087001	2,311.000	Ft
0050	_ Aggregate Base, 21AA Limestone, 6 inch	3027011	2,165.000	Syd
0060	_ Geogrid, Triaxial, Special	3087011	495.000	Syd
0070	Culv End Sect, 12 inch	4010012	4.000	Ea
0080	Culv, CI D, Conc, 12 inch	4010471	61.000	Ft
0090	Shared use Path, HMA	8060040	449.000	Ton
0100	_ Shared Use Path, Grading, Special	8067001	1,616.000	Ft
0110	_ Ornamental Fence, Place	8087001	20.000	Ft
0120	_ Ornamental Fence, Salvage	8087001	20.000	Ft
0130	Post, Steel, 3 lb	8100371	40.000	Ft
0140	Sign, Type IIIB	8100405	11.000	Sft
0150	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	4.000	Ea
0160	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	4.000	Ea
0170	Pedestrian Type II Barricade, Temp	8120026	6.000	Ea
0180	Minor Traf Devices	8120170	1.000	LSUM
0190	Riprap, Plain	8130010	6.000	Syd
0200	_ Slope Restoration, Modified	8167001	1,676.000	Ft



**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 040

**Letting Date:** October 1, 2021

**Contract ID:** 82000-207699-3

**Description:** Bridge rehabilitation includes deck patching, replace expansion joint, concrete surface coating and approach work on Plymouth Road over Rouge River 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
207699A	21A0312	N/A	BHT 82000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$115,200.00	1500001	1.000	LSUM
0020	Clearing	2010001	1.000	Acre
0030	Dr Structure, Rem	2030011	4.000	Ea
0040	Guardrail, Rem	2040035	436.000	Ft
0050	Pavt, Rem	2040050	30.000	Syd
0060	Erosion Control, Filter Bag	2080014	4.000	Ea
0070	Erosion Control, Inlet Protection, Fabric Drop	2080020	4.000	Ea
0080	Erosion Control, Silt Fence	2080036	550.000	Ft
0090	Geotextile, Separator	3080005	70.000	Syd
0100	Pavt, Cleaning	5010001	1.000	LSUM
0110	HMA Patch, Rem	5010006	50.000	Syd
0120	Conc Pavt, Ovly, Finishing and Curing	6020150	800.000	Syd
0130	Conc Pavt, Ovly, Furnishing and Placing	6020151	70.000	Cyd
0140	Cold Milling Conc Pavt	6030014	800.000	Syd
0150	Guardrail Departing Terminal, Type B	8070050	1.000	Ea
0160	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	8110153	2,500.000	Ft
0170	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	4,500.000	Ft
0180	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0190	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	Ea
0200	Pedestrian Type II Barricade, Temp	8120026	3.000	Ea
0210	Conc Barrier Reflector Replacement	8120070	100.000	Ea
0220	Conc Barrier, Temp, Relocated	8120083	480.000	Ft
0230	Lighted Arrow, Type C, Furn	8120140	4.000	Ea
0240	Lighted Arrow, Type C, Oper	8120141	4.000	Ea
0250	Minor Traf Devices	8120170	1.000	LSUM
0260	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	12,200.000	Ft



0270	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	7,800.000	Ft
0280	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	9,600.000	Ft
0290	Plastic Drum, Fluorescent, Furn	8120252	300.000	Ea
0300	Plastic Drum, Fluorescent, Oper	8120253	300.000	Ea
0310	Sign, Type B, Temp, Prismatic, Furn	8120350	200.000	Sft
0320	Sign, Type B, Temp, Prismatic, Oper	8120351	200.000	Sft
0330	Site Preparation, Max \$1,000.00	8150001	1.000	LSUM
0340	Mulch	8160025	300.000	Syd
0350	Seeding, Mixture CR	8160035	70.000	Lb
0360	Sodding	8160055	300.000	Syd

**Section: 2**

0370	Sidewalk, Rem	2040055	291.000	Syd
0380	Conc, Grade D	7060010	40.000	Cyd
0390	Expansion Joint Device	7060050	341.000	Ft
0400	Expansion Joint Device, Cover Plate	7060051	40.000	Ft
0410	False Decking	7060060	13,200.000	Sft
0420	Reinforcement, Steel, Epoxy Coated	7060092	17,468.000	Lb
0430	Substructure Conc	7060100	10.000	Cyd
0440	Superstructure Conc	7060110	76.000	Cyd
0450	Superstructure Conc, Form, Finish, and Cure	7060111	1.000	LSUM
0460	Conc Surface Coating	7100011	1,650.000	Syd
0470	_ Bridge Barrier Top Railing, Tube	7117001	17.000	Ft
0480	Scarifying	7120001	1,170.000	Syd
0490	Hand Chipping, Shallow	7120003	400.000	Syd
0500	Hand Chipping, Other Than Deck	7120007	210.000	Cft
0510	Patch, Forming	7120017	250.000	Sft
0520	Bridge Deck Surface Construction	7120025	1,170.000	Syd
0530	Conc, Silica Fume Modified	7120027	200.000	Cyd
0540	Structures, Rehabilitation, Rem Portions	7120070	1.000	LSUM
0550	Deck Joint, Rem	7120071	341.000	Ft
0560	Hydrodemolition, First Pass	7120076	1,170.000	Syd
0570	Hydrodemolition, Second Pass	7120077	1,170.000	Syd
0580	Patching Conc, C-L	7120112	40.000	Cyd
0590	_ Beam End Repair, Latex Modified Conc	7127020	120.000	Cft
0600	Drain Casting, Type 1	7170001	12.000	Ea
0610	Conc Barrier, Temp, Furn	8120081	480.000	Ft
0620	Conc Barrier, Temp, Oper	8120082	480.000	Ft

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 041**Letting Date:** October 1, 2021**Contract ID:** 38000-204744-2

**Description:** 0.3 mi of road reconstruction/rehabilitation on Mechanic Street, Jackson Street, Blackstone Street, and Van Buren Street in coordination with railroad bridge replacement over Mechanic Street and Jackson Street with retaining walls, Amtrak Michigan Line track work with grade raise, municipal utility relocation, and maintaining traffic in the city of Jackson, Jackson County. Only shortlisted contractors are eligible to bid on this project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
204744A	TBD	N/A	N/A 38900

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Dispute Review Board, Hearing	1040010	7,500.000	Dlr
0020	Dispute Review Board, Progress Meeting	1040050	31,500.000	Dlr
0030	_ Incentive, Accepted for Railroad Traffic (Michigan Line)	1047060	400,000.000	Dlr
0040	Critical Path Method Schedule	1080005	15,000.000	Dlr
0050	Mobilization, Max 1871500	1500001	1.000	LSUM
0060	Tree, Rem, 6 inch to 18 inch	2020004	5.000	Ea
0070	Dr Structure, Rem	2030011	10.000	Ea
0080	Sewer, Rem, Less than 24 inch	2030015	331.000	Ft
0090	Curb and Gutter, Rem	2040020	1,183.000	Ft
0100	Pavt, Rem	2040050	1,135.000	Syd
0110	Sidewalk, Rem	2040055	799.000	Syd
0120	Exploratory Investigation, Vertical	2040080	90.000	Ft
0130	_ Exploratory Investigation, Special	2047001	144.000	Ft
0140	Embankment, LM	2050011	797.000	Cyd
0150	Excavation, Earth	2050016	5,588.000	Cyd
0160	Non Haz Contaminated Material Handling and Disposal, LM	2050031	7,152.000	Cyd
0170	_ Embankment, CIP, Special	2057021	3,100.000	Cyd
0180	Aggregate, 6A	2060001	82.000	Cyd
0190	Erosion Control, Gravel Access Approach	2080016	2.000	Ea
0200	Erosion Control, Inlet Protection, Fabric Drop	2080020	34.000	Ea
0210	Erosion Control, Inlet Protection, Sediment Trap	2080024	5.000	Ea
0220	Erosion Control, Maintenance, Sediment Removal	2080026	10.000	Cyd
0230	Erosion Control, Silt Fence	2080036	5,366.000	Ft
0240	Project Cleanup	2090001	1.000	LSUM
0250	Subbase, LM	3010003	312.000	Cyd

0260	Aggregate Base, 6 inch	3020016	267.000	Syd
0270	Aggregate Base, 8 inch	3020020	2,011.000	Syd
0280	_ Open-Graded Dr Cse, 16 inch	3037011	422.000	Syd
0290	Geotextile, Separator	3080005	1,616.000	Syd
0300	Dr Marker Post	4011109	2.000	Ea
0310	_ Steel Casing Pipe, 24 inch, Jacked in Place, Modified	4017001	130.000	Ft
0320	Sewer, CI E, 12 inch, Tr Det B	4020600	139.000	Ft
0330	Sewer, CI E, 15 inch, Tr Det B	4020601	40.000	Ft
0340	Sewer Tap, 12 inch	4021204	1.000	Ea
0350	Sewer Tap, 42 inch	4021210	1.000	Ea
0360	Sewer Bulkhead, 18 inch	4021232	1.000	Ea
0370	Sewer Bulkhead, 72 inch	4021243	1.000	Ea
0380	Video Taping Sewer and Culv Pipe	4021275	114.000	Ft
0390	_ Sanitary Sewer Backfill, Class II	4027001	266.000	Ft
0400	_ Sanitary Sewer, DI, Pressure Class 350, 8 inch	4027001	112.000	Ft
0410	_ Sanitary Sewer, SDR 26 PVC, 12 inch	4027001	108.000	Ft
0420	_ Sanitary Sewer, SDR 26 PVC, 15 inch	4027001	46.000	Ft
0430	_ Sanitary Sewer, Air Test	4027050	3.000	Ea
0440	_ Sanitary Sewer, Deflection Test	4027050	3.000	Ea
0450	Dr Structure Cover, Adj, Case 1	4030005	20.000	Ea
0460	Dr Structure Cover, Adj, Case 2	4030006	1.000	Ea
0470	Dr Structure Cover, Type B	4030010	4.000	Ea
0480	Dr Structure Cover, Type K	4030050	5.000	Ea
0490	Dr Structure Cover, Type Q	4030065	3.000	Ea
0500	Dr Structure, 24 inch dia	4030200	1.000	Ea
0510	Dr Structure, 48 inch dia	4030210	4.000	Ea
0520	Dr Structure, 60 inch dia	4030220	2.000	Ea
0530	Dr Structure, Adj, Add Depth	4030280	5.000	Ft
0540	Dr Structure, Tap, 4 inch	4030304	1.000	Ea
0550	Dr Structure, Tap, 6 inch	4030306	3.000	Ea
0560	Dr Structure, Tap, 12 inch	4030312	2.000	Ea
0570	Dr Structure, Tap, 15 inch	4030315	2.000	Ea
0580	_ Sanitary Structure, 48 inch dia	4037050	3.000	Ea
0590	Underdrain, Fdn, 4 inch	4040031	300.000	Ft
0600	Underdrain, Fdn, 6 inch	4040033	1,488.000	Ft
0610	Underdrain, Pipe, Open-Graded, 6 inch	4040043	308.000	Ft
0620	Underdrain Outlet, 4 inch	4040091	40.000	Ft
0630	Underdrain Outlet, 6 inch	4040093	121.000	Ft
0640	Underdrain, Outlet Ending, 6 inch	4040113	2.000	Ea
0650	Cold Milling HMA Surface	5010002	1,759.000	Syd
0660	HMA Surface, Rem	5010005	2,335.000	Syd
0670	HMA Quality Initiative	5010007	1,600.000	Dlr
0680	HMA Approach	5010061	218.000	Ton
0690	HMA, LVSP	5010703	614.000	Ton

0700	Joint, Contraction, Cp	6020200	237.000	Ft
0710	Conc Quality Initiative	6020401	867.000	Dir
0720	Conc Pavt, Nonreinf, 8 inch, High Performance	6020500	315.000	Syd
0730	Joint, Expansion, Erg	6030021	114.000	Ft
0740	Lane Tie, Epoxy Anchored	6030030	72.000	Ea
0750	_ Track, Construct	8007001	3,066.000	Ft
0760	_ Track, Rem	8007001	3,066.000	Ft
0770	_ Track, Surface and Align	8007001	1,000.000	Ft
0780	_ Grade Crossing, Install	8007051	1.000	LSUM
0790	_ Grade Crossing, Rem	8007051	1.000	LSUM
0800	Driveway, Nonreinf Conc, 8 inch	8010007	157.000	Syd
0810	Curb and Gutter, Conc, Det C1	8020020	108.000	Ft
0820	Curb and Gutter, Conc, Det F4	8020038	1,177.000	Ft
0830	Curb and Gutter, Conc, Det F5	8020039	195.000	Ft
0840	Detectable Warning Surface	8030010	134.000	Ft
0850	Curb Ramp Opening, Conc	8030030	114.000	Ft
0860	Sidewalk Ramp, Conc, 6 inch	8030036	982.000	Sft
0870	Sidewalk, Conc, 4 inch	8030044	6,294.000	Sft
0880	Sidewalk, Conc, 8 inch	8030048	909.000	Sft
0890	Bridge Sign Connection, Steel, Type B	8100061	4.000	Ea
0900	Post, Steel, 3 lb	8100371	202.000	Ft
0910	Sign, Type IIB	8100399	42.000	Sft
0920	Sign, Type III, Erect, Salv	8100402	16.000	Ea
0930	Sign, Type III, Rem	8100403	17.000	Ea
0940	Sign, Type IIIA	8100404	13.000	Sft
0950	Sign, Type IIIB	8100405	7.000	Sft
0960	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	253.000	Ft
0970	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	8110041	72.000	Ft
0980	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	82.000	Ft
0990	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
1000	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	1.000	Ea
1010	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	8110077	3.000	Ea
1020	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	360.000	Ft
1030	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	8110252	1,447.000	Ft
1040	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	607.000	Ft
1050	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	360.000	Ft
1060	Rem Spec Mrkg	8110343	20.000	Sft
1070	Pavt Mrkg, Waterborne, For On-Street Parking, 4 inch, White	8110425	376.000	Ft
1080	Pavt Mrkg, Wet Retrflec Waterborne, 6 inch, White	8110481	607.000	Ft
1090	Pavt Mrkg, Wet Retrflec Waterborne, 4 inch, Yellow	8110484	1,447.000	Ft
1100	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	51.000	Ea
1110	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	51.000	Ea

1120	Pedestrian Type II Barricade, Temp	8120026	19.000	Ea
1130	Lighted Arrow, Type C, Furn	8120140	1.000	Ea
1140	Lighted Arrow, Type C, Oper	8120141	1.000	Ea
1150	Minor Traf Devices	8120170	1.000	LSUM
1160	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	100.000	Ft
1170	Plastic Drum, Fluorescent, Furn	8120252	170.000	Ea
1180	Plastic Drum, Fluorescent, Oper	8120253	170.000	Ea
1190	Pavt Mrkg, Wet Reflective, Type R, Tape, Rt Turn Arrow	8120258	6.000	Ea
1200	Sign Cover	8120310	5.000	Ea
1210	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	8.000	Ea
1220	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	8.000	Ea
1230	Sign, Type A, Temp, Prismatic, Furn	8120340	4.000	Sft
1240	Sign, Type A, Temp, Prismatic, Oper	8120341	4.000	Sft
1250	Sign, Type B, Temp, Prismatic, Furn	8120350	1,095.000	Sft
1260	Sign, Type B, Temp, Prismatic, Oper	8120351	1,095.000	Sft
1270	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	180.000	Sft
1280	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	180.000	Sft
1290	Traf Regulator Control	8120370	1.000	LSUM
1300	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	180.000	Ft
1310	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	50.000	Ft
1320	Site Preparation, Max 910	8150001	1.000	LSUM
1330	Watering and Cultivating, First Season, Min 450	8150002	1.000	LSUM
1340	Watering and Cultivating, Second Season, Min 550	8150003	1.000	LSUM
1350	Acer rubrum Red Sunset, 2 inch	8150145	3.000	Ea
1360	Gleditsia triacanthos inermis Skyline, 2 inch	8151660	2.000	Ea
1370	_ Turf Establishment, Short Grass	8167011	3,256.000	Syd
1380	Conduit, DB, 1, 1/2 inch	8190025	75.000	Ft
1390	Conduit, DB, 2, 4 inch	8190033	640.000	Ft
1400	Conduit, Directional Bore, 2 inch	8190042	120.000	Ft
1410	DB Cable, in Conduit, 600V, 1/C#6	8190211	360.000	Ft
1420	DB Cable, in Conduit, 600V, 1/C#10	8190213	225.000	Ft
1430	Cable, Equipment Grounding Wire, 1/C#8	8190237	120.000	Ft
1440	Cable, Equipment Grounding Wire, 1/C#10	8190238	75.000	Ft
1450	Hh, Adj	8190244	1.000	Ea
1460	Hh, Heavy Duty Cover	8190246	1.000	Ea
1470	_ Luminaire, Underbridge	8197050	6.000	Ea
1480	_ Underbridge Wiring System (AML MP75.79)	8197051	1.000	LSUM
1490	_ Underbridge Wiring System (AML MP75.94)	8197051	1.000	LSUM
1500	Gate Valve and Box, 8 inch	8230052	1.000	Ea
1510	Gate Valve and Box, 12 inch	8230054	1.000	Ea
1520	Hydrant, Relocate, Case 1	8230095	1.000	Ea
1530	Water Main, 8 inch, Cut and Plug	8230132	2.000	Ea

1540	Water Main, 10 inch, Cut and Plug	8230133	2.000	Ea
1550	Water Main, 16 inch, Cut and Plug	8230135	1.000	Ea
1560	Water Shutoff, Adj, Case 1	8230421	6.000	Ea
1570	Gate Box, Adj, Case 1	8230431	1.000	Ea
1580	_ Water Main Backfill, Class II	8237001	357.000	Ft
1590	_ Water Main, 12 inch	8237001	225.000	Ft
1600	_ Water Main, 4 inch	8237001	32.000	Ft
1610	_ Water Main, 8 inch	8237001	132.000	Ft
1620	_ Water Main, Rem	8237001	126.000	Ft
1630	_ Hydrant, Relocate, Case 1, Modified	8237050	2.000	Ea
1640	_ Water Main, Abandon	8237050	1.000	Ea
1650	_ Water Main, Connect New 12 inch to Existing 10 inch	8237050	1.000	Ea
1660	_ Water Main, Connect New 12 inch to Existing 16 inch	8237050	1.000	Ea
1670	_ Water Main, Connect New 8 inch to Existing 8 inch	8237050	3.000	Ea
1680	_ Water Main, Insertion Valve, 10 inch	8237050	1.000	Ea
1690	_ Water Main, Insertion Valve, 8 inch	8237050	1.000	Ea
1700	Contractor Staking	8240001	1.000	LSUM
1710	Staking Plan Errors and Extras, One Person	8240020	153.000	Hr
1720	Staking Plan Errors and Extras, Two Person	8240021	62.000	Hr
1730	Staking Plan Errors and Extras, Three Person	8240022	92.000	Hr
1740	Flowable Fill, Non-Structural	8260148	240.000	Cyd
1750	_ Ballast, Sub	8507021	2,080.000	Cyd
1760	_ Water Main Fittings, DI	8507030	160.000	Lb
1770	_ Ballast #3	8507031	7,350.000	Ton

**Section: 2**

1780	Structures, Rem Portions (AML MP75.79)	2040061	1.000	LSUM
1790	Structures, Rem Portions (AML MP75.94)	2040061	1.000	LSUM
1800	Backfill, Structure, CIP	2060002	1,137.000	Cyd
1810	Excavation, Fdn	2060010	2,166.000	Cyd
1820	_ Fill, Low Density Cellular Concrete, Class II	2067021	1,058.000	Cyd
1830	Steel Sheet Piling, Permanent	7040001	38,898.000	Sft
1840	_ Steel Sheet Piling, Temp, Left in Place, Special	7047010	3,216.000	Sft
1850	_ Ground Anchor Test, Extended Creep	7047050	18.000	Ea
1860	_ Ground Anchor Test, Performance	7047050	12.000	Ea
1870	_ Ground Anchor Test, Proof	7047050	169.000	Ea
1880	_ Ground Anchor, Case	7047050	55.000	Ea
1890	_ Ground Anchor, Permanent	7047050	169.000	Ea
1900	_ Ground Anchor, Post Grout	7047050	55.000	Ea
1910	_ Ground Anchor Equipment, Furn (AML MP75.79 - Wall D)	7047051	1.000	LSUM
1920	_ Ground Anchor Equipment, Furn (AML MP75.94 - Wall A)	7047051	1.000	LSUM
1930	_ Ground Anchor Equipment, Furn (AML MP75.94 - Wall B)	7047051	1.000	LSUM

1940	_ Ground Anchor Equipment, Furn (AML MP75.94 - Wall C)	7047051	1.000	LSUM
1950	_ Monitoring Structure (AML MP75.79)	7057051	1.000	LSUM
1960	_ Monitoring Structure (AML MP75.94)	7057051	1.000	LSUM
1970	Conc, Grade S2, Subfooting	7060012	32.000	Cyd
1980	Reinforcement, Steel, Epoxy Coated	7060092	166,346.000	Lb
1990	Substructure Conc	7060100	1,277.000	Cyd
2000	Superstructure Conc	7060110	4.000	Cyd
2010	Superstructure Conc, Form, Finish, and Cure (AML MP75.79)	7060111	1.000	LSUM
2020	Wall Drain	7060130	51.000	Sft
2030	_ Simulated Stone Masonry	7067011	707.000	Syd
2040	_ Precast Conc Substructure, Abutment	7067021	61.000	Cyd
2050	_ Precast Conc Substructure, Backwall	7067021	16.000	Cyd
2060	_ Precast Conc Substructure, Combined Beam Seat & Backwall	7067021	61.000	Cyd
2070	_ Precast Conc Substructure, Culvert Top	7067021	39.000	Cyd
2080	_ Precast Conc Substructure, Culvert Top Seat	7067021	9.000	Cyd
2090	_ Precast Conc Substructure, Track Support Slab	7067021	16.000	Cyd
2100	_ Precast Conc Substructure, Walkway	7067021	4.000	Cyd
2110	Bearing, Elastomeric, 1 inch	7070012	240.000	Sin
2120	Structural Steel, Mixed, Erect	7070050	264,987.000	Lb
2130	Structural Steel, Mixed, Furn and Fab	7070051	264,987.000	Lb
2140	_ Structural Steel, Plate, Furn and Fab, Special, Type I	7077030	612,716.000	Lb
2150	_ Structural Steel, Plate, Furn and Fab, Special, Type II	7077030	104,140.000	Lb
2160	_ Structural Steel, Rolled Shape, Furn and Fab, Special, Type I	7077030	26,371.000	Lb
2170	_ Structural Steel, Rolled Shape, Furn and Fab, Special, Type II	7077030	64,680.000	Lb
2180	_ Spherical Bearing, Expansion	7077050	2.000	Ea
2190	_ Spherical Bearing, Fixed	7077050	1.000	Ea
2200	_ Spherical Bearing, Guided	7077050	3.000	Ea
2210	_ Complex Erection (AML MP75.79)	7077051	1.000	LSUM
2220	_ Structural Steel, Erect, Special (AML MP75.79)	7077051	1.000	LSUM
2230	_ Superstructure, Lateral Slide (AML MP75.94)	7077051	1.000	LSUM
2240	Prest Conc Box Beam, Furn, 33 inch	7080071	88.000	Ft
2250	Prest Conc Box Beam, Erect, 33 inch	7080072	88.000	Ft
2260	Joint Waterproofing	7100001	458.000	Sft
2270	Conc Surface Coating (AML MP75.79)	7100010	1.000	LSUM
2280	Conc Surface Coating (AML MP75.94)	7100010	1.000	LSUM
2290	_ Dampproofing	7107010	6,450.000	Sft
2300	_ Ballast Protection Mat	7107011	508.000	Syd
2310	_ Spray Applied Waterproofing Membrane	7107011	508.000	Syd
2320	Adhesive Anchoring of Horizontal Bar, 3/4 inch	7120028	607.000	Ea
2330	Bolt, Adhesive Anchored, 1/2 inch	7120040	59.000	Ea
2340	_ Grout-Filled Mechanical Splice Sleeve, #10	7127050	118.000	Ea

2350	_ Grout-Filled Mechanical Splice Sleeve, #6	7127050	114.000	Ea
2360	_ Grout-Filled Mechanical Splice Sleeve, #7	7127050	500.000	Ea
2370	_ Walkway Grating, Erected	7137010	586.000	Sft
2380	_ Walkway Grating, Furn	7137010	586.000	Sft
2390	Field Repair of Damaged Coating (AML MP75.79)	7160001	1.000	LSUM
2400	Field Repair of Damaged Coating (AML MP75.94)	7160001	1.000	LSUM
2410	_ Bridge Deck Drainage System (AML MP75.79)	7177051	1.000	LSUM
2420	_ Bridge Deck Drainage System (AML MP75.94)	7177051	1.000	LSUM
2430	_ Modular Block Wall	8007010	157.000	Sft
2440	_ Micropile, Load Test, Proof	8007050	15.000	Ea
2450	_ Micropile, Load Test, Verification	8007050	2.000	Ea
2460	_ Micropile, Type A, Furn and Install	8007050	226.000	Ea
2470	_ Micropile Equipment, Furn (AML MP75.79)	8007051	1.000	LSUM
2480	_ Micropile Equipment, Furn (AML MP75.94)	8007051	1.000	LSUM
2490	_ Vibration Monitoring, Utility (AML MP75.79)	8007051	1.000	LSUM
2500	_ Vibration Monitoring, Utility (AML MP75.94)	8007051	1.000	LSUM
2510	Fence, Protective	8080007	2,900.000	Ft
2520	_ Augered Soldier Pile Wall	8507001	37.000	Ft
2530	_ Rail Type 1, Two Tube, Special	8507001	272.000	Ft
2540	_ Rail Type 2, Two Tube, Special	8507001	281.000	Ft
2550	_ Rail Type 3, Two Tube, Special	8507001	784.000	Ft
2560	_ Soldier Pile Ground Anchor Test, Extended Creep	8507050	2.000	Ea
2570	_ Soldier Pile Ground Anchor Test, Performance	8507050	2.000	Ea
2580	_ Soldier Pile Ground Anchor Test, Proof	8507050	2.000	Ea
2590	_ Soldier Pile Ground Anchor, Case	8507050	3.000	Ea
2600	_ Soldier Pile Ground Anchor, Permanent	8507050	7.000	Ea
2610	_ Soldier Pile Ground Anchor, Post Grout	8507050	3.000	Ea
2620	_ Railroad Track Monitoring (AML MP75.79)	8507051	1.000	LSUM
2630	_ Railroad Track Monitoring (AML MP75.94)	8507051	1.000	LSUM
2640	_ Soldier Pile Ground Anchor Equipment, Furn (AML MP75.79)	8507051	1.000	LSUM
2650	_ Utility Work, Level 3	8507051	1.000	LSUM
2660	_ Railroad Inspection and Flagging - Amtrak	8507060	586,200.000	Dlr
2670	_ Railroad Inspection and Flagging - JAIL	8507060	540,000.000	Dlr
2680	_ Railroad Protection, Bridge - Amtrak	8507060	50,000.000	Dlr
2690	_ Railroad Protection, Bridge - JAIL	8507060	25,000.000	Dlr





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**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 042

**Letting Date:** October 1, 2021

**Contract ID:** 58034-211825

**Description:** 60.26 mi of installation of delineation treatments along US-23 and M-14 at various locations, Monroe County.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
211825A	21A0946	N/A	HSIP 58034

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max	1100001	1.000	LSUM
0020	Delineator Reflector, Red	8100131	793.000	Ea
0030	Delineator Reflector, Yellow	8100132	209.000	Ea
0040	Delineator Reflector, Green	8100133	400.000	Ea
0050	Delineator Reflector, White	8100134	3,040.000	Ea
0060	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	256.000	Ea
0070	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	24.000	Ea
0080	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	465.000	Ea
0090	Post, Flexible, Delineator	8100360	489.000	Ea
0100	Post, Rigid, Delineator	8100361	3,649.000	Ea
0110	_ Enhanced Delineation, Bidirectional, Conc Barrier, Side Mount	8107001	4,000.000	Ft
0120	_ Enhanced Delineation, Bidirectional, Guardrail, Channel Mount	8107001	9,682.000	Ft
0130	_ Enhanced Delineation, Unidirectional, Conc Barrier, Side Mount	8107001	28,202.000	Ft
0140	_ Enhanced Delineation, Unidirectional, Guardrail, Channel Mount	8107001	83,218.000	Ft
0150	_ Delineator, Rem	8107050	200.000	Ea
0160	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	236.000	Ea
0170	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	236.000	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	Mobile Attenuator	8120180	1.000	Ea
0220	Sign Cover	8120310	8.000	Ea
0230	Sign, Type B, Temp, Prismatic, Furn	8120350	200.000	Sft
0240	Sign, Type B, Temp, Prismatic, Oper	8120351	200.000	Sft

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 043**Letting Date:** October 1, 2021**Contract ID:** 33081-201071

**Description:** 1.16 mi of hot mix asphalt cold milling and resurfacing, sidewalk ramp upgrades and pavement markings on I-96BL from Center Street to Martin Luther King Boulevard in the city of Lansing, Ingham County. This project includes two 3 year materials and workmanship pavement warranties.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
201071A	21A0945	N/A	NH 33081

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	_ Railroad Protection, at Grade Crossing, Jackson and Lansing Railroad	1027060	4,200.000	Dlr
0020	Mobilization, Max \$69,200.00	1100001	1.000	LSUM
0030	Curb and Gutter, Rem	2040020	187.000	Ft
0040	Pavt, Rem	2040050	12.000	Syd
0050	Sidewalk, Rem	2040055	185.000	Syd
0060	Excavation, Earth	2050016	80.000	Cyd
0070	Non Haz Contaminated Material Handling and Disposal, LM	2050031	50.000	Cyd
0080	Erosion Control, Inlet Protection, Fabric Drop	2080020	70.000	Ea
0090	Aggregate Base, 4 inch	3020010	420.000	Syd
0100	Pavt, Cleaning	5010001	1.000	LSUM
0110	Cold Milling HMA Surface	5010002	34,263.000	Syd
0120	HMA Surface, Rem	5010005	22.000	Syd
0130	HMA Quality Initiative	5010007	6,242.000	Dlr
0140	Longit Joint Density Quality Initiative	5010018	18,041.000	Dlr
0150	Hand Patching	5010025	21.000	Ton
0160	HMA Approach	5010061	420.000	Ton
0170	HMA, 5EML, High Stress	5012085	2,680.000	Ton
0180	Curb and Gutter, Conc, Det C3	8020022	102.000	Ft
0190	Detectable Warning Surface	8030010	66.000	Ft
0200	Curb Ramp Opening, Conc	8030030	111.000	Ft
0210	Sidewalk, Conc, 4 inch	8030044	1,464.000	Sft
0220	Sidewalk, Conc, 6 inch	8030046	74.000	Sft
0230	Curb Ramp, Conc, 6 inch	8032002	1,307.000	Sft
0240	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	8110024	540.000	Ft
0250	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	8110040	90.000	Ft
0260	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	8110045	370.000	Ft

0270	Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	8110058	1.000	Ea
0280	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
0290	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	8110069	3.000	Ea
0300	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	3,180.000	Ft
0310	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	8110156	13,180.000	Ft
0320	Witness, Log, \$1,250.00	8110351	1,250.000	Dlr
0330	Recessing Pavt Mrkg, Longit	8110450	16,360.000	Ft
0340	Pavt Mrkg, Ovly Cold Plastic, Bike Thru Arrow Sym	8112165	1.000	Ea
0350	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	20.000	Ea
0360	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	20.000	Ea
0370	Pedestrian Type II Barricade, Temp	8120026	6.000	Ea
0380	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	220.000	Ea
0390	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	220.000	Ea
0400	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
0410	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
0420	Minor Traf Devices	8120170	1.000	LSUM
0430	Mobile Attenuator	8120180	1.000	Ea
0440	Plastic Drum, Fluorescent, Furn	8120252	50.000	Ea
0450	Plastic Drum, Fluorescent, Oper	8120253	50.000	Ea
0460	Sign Cover	8120310	10.000	Ea
0470	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	2.000	Ea
0480	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	2.000	Ea
0490	Sign, Type B, Temp, Prismatic, Furn	8120350	940.000	Sft
0500	Sign, Type B, Temp, Prismatic, Oper	8120351	940.000	Sft
0510	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	100.000	Sft
0520	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	100.000	Sft
0530	Traf Regulator Control	8120370	1.000	LSUM
0540	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, White, Temp	8122000	1,050.000	Ft
0550	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch, Yellow, Temp	8122002	13,050.000	Ft
0560	Pedestrian Path, Temp	8122250	30.000	Ft
0570	Pedestrian Ramp, Temp	8122251	1.000	Ea
0580	Slope Restoration, Non-Freeway, Type B	8162002	157.000	Syd
0590	Traf Loop	8200170	4.000	Ea
0600	Protect Corners	8210020	10.000	Ea
0610	Gate Well, Abandon	8230075	4.000	Ea
0620	Contractor Staking	8240001	1.000	LSUM
0630	Staking Plan Errors and Extras, Max \$180/hour	8240002	13.000	Hr

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 216**Letting Date:** October 1, 2021**Contract ID:** 63000-209484

**Description:** 1.13 mi of hot mix asphalt widening for turn lanes and shoulders, concrete curb and gutter, guardrail, signing and pavement markings on Pontiac Trail from Haggerty Road to Green Lake Road, Oakland County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
209484A	21A0707	N/A	STU 63000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$229,300.00	1100001	1.000	LSUM
0020	_ Clearing, RCOC	2017011	715.000	Syd
0030	Tree, Rem, 19 inch to 36 inch	2020002	2.000	Ea
0040	Stump, Rem, 6 inch to 18 inch	2020008	1.000	Ea
0050	_ Tree, Rem, 3 inch to 18 inch	2027050	3.000	Ea
0060	Culv, Rem, Less than 24 inch	2030001	9.000	Ea
0070	Culv, End, Rem, Less than 24 inch	2030005	6.000	Ea
0080	Dr Structure, Rem	2030011	3.000	Ea
0090	Sewer, Rem, Less than 24 inch	2030015	294.000	Ft
0100	Sewer, Rem, 24 inch to 48 inch	2030016	11.000	Ft
0110	Curb and Gutter, Rem	2040020	3,071.000	Ft
0120	Guardrail, Rem	2040035	553.000	Ft
0130	Pavt, Rem	2040050	979.000	Syd
0140	Sidewalk, Rem	2040055	235.000	Syd
0150	_ Exploration for Utility Location	2047021	25.000	Cyd
0160	Embankment, CIP	2050010	470.000	Cyd
0170	Excavation, Earth	2050016	7,905.000	Cyd
0180	_ Excavation, Earth, RCOC	2057011	1,396.000	Syd
0190	_ Subgrade Undercutting, 21AA	2057021	400.000	Cyd
0200	_ Erosion Control, Check Dam, Stone, RCOC	2087001	350.000	Ft
0210	_ Erosion Control, Silt Fence, RCOC	2087001	4,040.000	Ft
0220	_ Erosion Control, Inlet Protection, Fabric Drop, RCOC	2087050	23.000	Ea
0230	Aggregate Base, Conditioning	3020050	24,397.000	Syd
0240	_ Aggregate Base, 12 inch, 21AA, RCOC	3027011	9,607.000	Syd
0250	_ Aggregate Base, 6 inch, 21AA, RCOC	3027011	1,492.000	Syd
0260	Maintenance Gravel	3060020	125.000	Ton
0270	_ Shoulder, 21AA, 7.5 inch	3077011	4,558.000	Syd

0280	_ Approach, 21AA	3077031	49.000	Ton
0290	Culv End Sect, Conc, 12 inch	4010047	1.000	Ea
0300	Culv End Sect, Conc, 24 inch	4010051	2.000	Ea
0310	Culv End Sect, Footing	4010072	3.000	Ea
0320	_ Culv, CI F, CSP, 12 inch, RCOC	4017001	403.000	Ft
0330	Sewer, CI IV, 12 inch, Tr Det B	4020987	1,213.000	Ft
0340	Sewer, CI IV, 24 inch, Tr Det B	4020993	11.000	Ft
0350	Sewer Tap, 12 inch	4021204	3.000	Ea
0360	Sewer Tap, 24 inch	4021207	1.000	Ea
0370	Trench Undercut and Backfill	4021260	20.000	Cyd
0380	Video Taping Sewer and Culv Pipe	4021275	1,224.000	Ft
0390	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea
0400	Dr Structure Cover, Type B	4030010	2.000	Ea
0410	Dr Structure Cover, Type C	4030015	2.000	Ea
0420	Dr Structure Cover, Type J	4030045	7.000	Ea
0430	Dr Structure, 24 inch dia	4030200	1.000	Ea
0440	Dr Structure, 48 inch dia	4030210	10.000	Ea
0450	Dr Structure, Adj, Add Depth	4030280	5.000	Ft
0460	Dr Structure, Tap, 6 inch	4030306	5.000	Ea
0470	_ Public Utility Structure, Adj, Add Depth	4037001	7.000	Ft
0480	_ Public Utility Structure Cover	4037050	5.000	Ea
0490	_ Public Utility Structure Cover, Adj, Case 1	4037050	6.000	Ea
0500	_ Public Utility Structure Cover, Adj, Case 2	4037050	1.000	Ea
0510	Underdrain Outlet, 6 inch	4040093	71.000	Ft
0520	Underdrain, Outlet Ending, 6 inch	4040113	4.000	Ea
0530	_ Underdrain, Subgrade, Open-Graded, 6 inch, RCOC	4047001	3,372.000	Ft
0540	Cold Milling HMA Surface	5010002	1,379.000	Syd
0550	HMA Surface, Rem	5010005	1,257.000	Syd
0560	Edge Trimming	5010009	118.000	Ft
0570	Hand Patching	5010025	103.000	Ton
0580	HMA, 3EMH	5012014	5,163.000	Ton
0590	HMA, 4EMH	5012026	3,689.000	Ton
0600	HMA, 5EML	5012037	134.000	Ton
0610	HMA, 5EMH	5012038	2,215.000	Ton
0620	_ HMA Surface, Rem, RCOC	5017011	24,397.000	Syd
0630	_ HMA Approach (Residential)	5017031	67.000	Ton
0640	_ HMA Approach (Sidestreet)	5017031	147.000	Ton
0650	_ Pavt, Cleaning, RCOC	5017051	1.000	LSUM
0660	Driveway, Nonreinf Conc, 6 inch	8010005	188.000	Syd
0670	Curb and Gutter, Conc, Det B2	8020016	2,811.000	Ft
0680	Curb and Gutter, Conc, Det D2	8020031	593.000	Ft
0690	Driveway Opening, Conc, Det M	8020050	249.000	Ft
0700	_ Curb and Gutter, Conc, Det B2, RCOC	8027001	170.000	Ft
0710	_ Spillway, Conc, RCOC	8027001	104.000	Ft
0720	Curb Ramp Opening, Conc	8030030	172.000	Ft

0730	Curb Ramp, Conc, 6 inch	8032002	2,379.000	Sft
0740	_ Detectable Warning Surface, RCOC	8037001	116.000	Ft
0750	Guardrail, Type MGS-8	8070004	463.000	Ft
0760	Guardrail Reflector	8070080	30.000	Ea
0770	Post, Mailbox	8070095	6.000	Ea
0780	_ Guardrail Approach Terminal, Type 2M, MSKT	8077050	2.000	Ea
0790	Delineator, Rem	8100349	1.000	Ea
0800	Post, Steel, 3 lb	8100371	522.000	Ft
0810	Sign, Type III, Rem	8100403	20.000	Ea
0820	Sign, Type IIIA	8100404	29.000	Sft
0830	Sign, Type IIIB	8100405	135.000	Sft
0840	Sign, Type V, Rem	8100421	3.000	Ea
0850	Sign, Type VA	8100424	20.000	Sft
0860	Sign, Type VB	8100425	16.000	Sft
0870	_ Post, Flexible, Delineator, RCOC	8107050	15.000	Ea
0880	_ Street Sign Post	8107050	1.000	Ea
0890	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	8110154	14,457.000	Ft
0900	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	8110155	7,537.000	Ft
0910	Rem Raised Pavt Marker	8110332	50.000	Ea
0920	_ Pavt Mrkg, Cold Plastic, 24 inch, Stop Bar	8117001	110.000	Ft
0930	_ Pavt Mrkg, Cold Plastic, 6 inch, Crosswalk Line	8117001	357.000	Ft
0940	_ Pavt Mrkg, Cold Plastic, Lt Turn Arrow Symbol	8117050	2.000	Ea
0950	_ Pavt Mrkg, Cold Plastic, Rt Turn Arrow Symbol	8117050	2.000	Ea
0960	_ Pavt Mrkg, Cold Plastic, Thru and Lt Turn Arrow Symbol	8117050	1.000	Ea
0970	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	45.000	Ea
0980	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	45.000	Ea
0990	Channelizing Device, 42 inch, Fluorescent, Furn	8120035	125.000	Ea
1000	Channelizing Device, 42 inch, Fluorescent, Oper	8120036	125.000	Ea
1010	Lighted Arrow, Type C, Furn	8120140	2.000	Ea
1020	Lighted Arrow, Type C, Oper	8120141	2.000	Ea
1030	Minor Traf Devices	8120170	1.000	LSUM
1040	Plastic Drum, Fluorescent, Furn	8120252	50.000	Ea
1050	Plastic Drum, Fluorescent, Oper	8120253	50.000	Ea
1060	Sign Cover	8120310	30.000	Ea
1070	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	3.000	Ea
1080	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	3.000	Ea
1090	Sign, Type B, Temp, Prismatic, Furn	8120350	643.000	Sft
1100	Sign, Type B, Temp, Prismatic, Oper	8120351	643.000	Sft
1110	Sign, Type B, Temp, Prismatic, Spec, Furn	8120352	449.000	Sft
1120	Sign, Type B, Temp, Prismatic, Spec, Oper	8120353	449.000	Sft
1130	Traf Regulator Control	8120370	1.000	LSUM
1140	Pedestrian Path, Temp	8122250	300.000	Ft

1150	Pedestrian Ramp, Temp	8122251	11.000	Ea
1160	_ Riprap, Plain, RCOC	8137011	3.000	Syd
1170	_ Ditch, Plain Cobble, RCOC	8147011	16.000	Syd
1180	_ Geocellular Confinement System	8167011	685.000	Syd
1190	_ Turf Establishment, THM Seed, Regular Mulch, Performance, RCOC	8167011	12,555.000	Syd
1200	_ Fire Hydrant, Modified	8237050	1.000	Ea
1210	_ Hydrant, Rem, Modified	8237050	1.000	Ea
1220	_ Sprinkler Line	8507001	100.000	Ft
1230	_ Sprinkler Head, Relocate	8507050	10.000	Ea
1240	_ Sprinkler Head, Replace	8507050	10.000	Ea
1250	_ Reimbursed Permit Fees	8507060	800.000	Dir

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AASHTOWare Project™ Version 4.5 Revision 027

**Schedule of Pay Items**

Report v1

**Letting Call:** 211001 223

**Letting Date:** October 1, 2021

**Contract ID:** 48000-206198

**Description:** Application of pavement markings on various routes, Luce County. This is a Local Agency project.

**Project Information**

Project Number	Federal Project Number	Federal Item Number	Control Section
206198A	21A0669	N/A	STL 48000

**List of Items by Section**

Line Num	Item Description	Item ID	Quantity	Units
<b>Section: 1</b>				
0010	Mobilization, Max \$7,200.00	1100001	1.000	LSUM
0020	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	192.000	Ft
0030	Pavt Mrkg, Waterborne, 4 inch, White	8110231	583,960.000	Ft
0040	Pavt Mrkg, Waterborne, 4 inch, Yellow	8110232	372,200.000	Ft
0050	Pavt Mrkg, Polyurea, Railroad Sym	8110411	5.000	Ea