



2/4/2019 10:20 AM

AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 190206 204**Letting Date:** February 6, 2019**Contract ID:** 70024-118618

Description: 5.00 mi of reconstruction, drainage, signing, signal, ITS and pavement markings and epoxy overlay, deck patching, substructure repair, replace expansion joint and partial steel cleaning and coating on 2 structures on I-196 westbound from 32nd Avenue to Kenowa Avenue SW in the city of Hudsonville, Ottawa County. This project includes two 5 year materials and workmanship pavement warranties and a 2 year warranty on concrete surface coating. This is an Alternate Pavement Bid project. Pavement alternate 1 is concrete road work and includes a 5 year materials and workmanship pavement warranty. Pavement alternate 2 is hot mix asphalt road work and includes a 5 year materials and workmanship pavement warranty.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
118618A	1900185	N/A	IM 70024
127777A	1900182	N/A	IM 70024

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$1,717,200.00	1500001	1.000	LSUM
0020	Clearing	2010001	3.020	Acre
0030	Clearing, Fence	2010002	125.000	Sta
0040	Tree, Rem, 19 inch to 36 inch	2020002	4.000	Ea
0050	Tree, Rem, 37 inch or Larger	2020003	2.000	Ea
0060	Tree, Rem, 6 inch to 18 inch	2020004	8.000	Ea
0070	Stump, Rem, 19 inch to 36 inch	2020006	4.000	Ea
0080	Stump, Rem, 37 inch or Larger	2020007	2.000	Ea
0090	Stump, Rem, 6 inch to 18 inch	2020008	8.000	Ea
0100	Culv, Rem, Less than 24 inch	2030001	33.000	Ea
0110	Culv, Rem, 24 inch to 48 inch	2030002	2.000	Ea
0120	Culv, End, Rem, 24 inch to 48 inch	2030006	3.000	Ea
0130	Dr Structure, Rem	2030011	6.000	Ea
0140	Sewer, Rem, Less than 24 inch	2030015	58.000	Ft
0150	Sewer, Rem, 24 inch to 48 inch	2030016	152.000	Ft
0160	Curb and Gutter, Rem	2040020	3,198.000	Ft
0170	Fence, Rem	2040025	18,382.000	Ft
0180	Guardrail, Rem	2040035	9,943.000	Ft
0190	Gutter, Rem	2040040	450.000	Ft
0200	Masonry and Conc Structure, Rem	2040045	30.000	Cyd
0210	Pavt, Rem	2040050	78,073.000	Syd
0220	Sidewalk, Rem	2040055	39.000	Syd
0230	Exploratory Investigation, Vertical	2040080	200.000	Ft

0240	_ Pavt, Rem, Special	2047011	1,047.000	Syd
0250	Embankment, CIP	2050010	5,218.000	Cyd
0260	Excavation, Earth	2050016	12,903.000	Cyd
0270	Granular Blanket, Type 1	2050020	200.000	Cyd
0280	Non Haz Contaminated Material Handling and Disposal, LM	2050031	200.000	Cyd
0290	Subgrade Undercutting, Type I	2050040	500.000	Cyd
0300	Subgrade Undercutting, Type II	2050041	1,000.000	Cyd
0310	_ Ditching	2057002	1.000	Sta
0320	_ Embankment, CIP, Special	2057021	200.000	Cyd
0330	_ Phragmites Plant Material Handling and Disposal, LM	2057021	200.000	Cyd
0340	Aggregate, 6A	2060001	50.000	Cyd
0350	Erosion Control, Check Dam, Stone	2080012	1,715.000	Ft
0360	Erosion Control, Filter Bag	2080014	3.000	Ea
0370	Erosion Control, Gravel Access Approach	2080016	10.000	Ea
0380	Erosion Control, Inlet Protection, Fabric Drop	2080020	57.000	Ea
0390	Erosion Control, Inlet Protection, Sediment Trap	2080024	1.000	Ea
0400	Erosion Control, Maintenance, Sediment Removal	2080026	140.000	Cyd
0410	Erosion Control, Sediment Basin	2080032	110.000	Cyd
0420	Erosion Control, Sediment Trap	2080034	110.000	Ea
0430	Erosion Control, Silt Fence	2080036	25,674.000	Ft
0440	Project Cleanup	2090001	1.000	LSUM
0450	Subbase, CIP	3010002	3,286.000	Cyd
0460	Aggregate Base, 6 inch	3020016	1,090.000	Syd
0470	Aggregate Base, 8 inch	3020020	1,413.000	Syd
0480	Aggregate Base, 9 inch	3020022	1,863.000	Syd
0490	Maintenance Gravel, LM	3060021	1,000.000	Cyd
0500	_ Aggregate Surface Cse, 3 inch	3067011	1,413.000	Syd
0510	Shoulder, CI II, 6 inch	3070128	678.000	Syd
0520	Shoulder, CI II, 5 inch, Temp	3070182	509.000	Syd
0530	Culv End Sect, 12 inch	4010012	2.000	Ea
0540	Culv End Sect, 15 inch	4010015	3.000	Ea
0550	Culv End Sect, 18 inch	4010018	2.000	Ea
0560	Culv End Sect, 24 inch	4010024	12.000	Ea
0570	Culv End Sect, Conc, 24 inch	4010051	1.000	Ea
0580	Culv End Sect, Metal, 12 inch	4010094	8.000	Ea
0590	Culv End Sect, Metal, 18 inch	4010096	2.000	Ea
0600	Culv End Sect, Metal, 24 inch	4010098	1.000	Ea
0610	Culv End Sect, Salv, 30 inch or less	4010119	3.000	Ea
0620	Culv, CI A, 15 inch	4010132	77.000	Ft
0630	Culv, CI A, 18 inch	4010133	149.000	Ft
0640	Culv, CI A, Conc, 30 inch	4010169	16.000	Ft
0650	Culv, CI E, 15 inch	4010540	32.000	Ft
0660	Culv, CI E, 24 inch	4010542	713.000	Ft

0670	Culv, Downspout, 12 inch	4010795	827.000	Ft
0680	Culv, Downspout, 15 inch	4010796	1,224.000	Ft
0690	Culv, Downspout, 18 inch	4010797	230.000	Ft
0700	Culv, Downspout, 24 inch	4010798	105.000	Ft
0710	Culv, Slp End Sect, 1 on 4, 24 inch, Transv	4010924	3.000	Ea
0720	Culv, Slp End Sect, 1 on 6, 18 inch, Longit	4010951	2.000	Ea
0730	Culv, Slp End Sect, 1 on 6, 24 inch, Longit	4010955	1.000	Ea
0740	Dr Marker Post	4011109	210.000	Ea
0745	Outfall Label	4011115	5.000	Ea
0750	Sewer, Cl A, 12 inch, Tr Det B	4020033	1,018.000	Ft
0760	Sewer, Cl A, 24 inch, Tr Det B	4020036	617.000	Ft
0770	Sewer, Cl B, 24 inch, Tr Det B	4020186	40.000	Ft
0780	Sewer, Cl E, 12 inch, Tr Det B	4020600	63.000	Ft
0790	Sewer, Cl E, 15 inch, Tr Det B	4020601	48.000	Ft
0800	Sewer Bulkhead, 24 inch	4021234	1.000	Ea
0810	Trench Undercut and Backfill	4021260	100.000	Cyd
0820	Dr Structure Cover, Adj, Case 2	4030006	4.000	Ea
0830	Dr Structure Cover, Type B	4030010	1.000	Ea
0840	Dr Structure Cover, Type CX	4030020	12.000	Ea
0850	Dr Structure Cover, Type J	4030045	5.000	Ea
0860	Dr Structure Cover, Type VG	4030090	3.000	Ea
0870	Dr Structure, 24 inch dia	4030200	2.000	Ea
0880	Dr Structure, 48 inch dia	4030210	15.000	Ea
0890	Dr Structure, 60 inch dia	4030220	1.000	Ea
0900	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	4030250	33.000	Ft
0910	Dr Structure, Add Depth of 48 inch dia, more than 15 foot	4030251	5.000	Ft
0920	Dr Structure, Tap, 6 inch	4030306	4.000	Ea
0930	Dr Structure, Tap, 12 inch	4030312	1.000	Ea
0940	Underdrain, Bank, 6 inch	4040003	500.000	Ft
0950	Underdrain, Subbase, 6 inch	4040063	13,234.000	Ft
0960	Underdrain, Subgrade, 6 inch	4040073	1,000.000	Ft
0970	Underdrain Outlet, 6 inch	4040093	1,080.000	Ft
0980	Underdrain, Outlet Ending, 6 inch	4040113	54.000	Ea
0990	Cold Milling HMA Surface	5010002	46.000	Syd
1000	HMA Surface, Rem	5010005	145,977.000	Syd
1010	Hand Patching	5010025	5.000	Ton
1020	HMA, Temp Pavt (4E3)	5010805	373.000	Ton
1030	HMA, Temp Pavt (5E3)	5010806	298.000	Ton
1040	_ HMA Approach (7.5")	5017011	209.000	Syd
1050	_ Ride Incentive	5017060	34,700.000	Dlr
1060	Joint, Expansion, E3	6020208	212.000	Ft
1070	Joint, Expansion, E4	6020209	234.000	Ft
1080	Pavt Gapping	6020215	8,350.000	Ft

1090	_ Joint, Expansion, E2, Modified	6027001	360.000	Ft
1100	Conc Pavt, Bridge Approach, Reinf, High Performance	7060003	593.000	Syd
1110	Conc, Grade S2	7060011	50.000	Cyd
1120	Reinforcement, Steel, Culv and Headwall	7060091	2,188.000	Lb
1130	_ Conduit, Clean and Test	8007001	95.000	Ft
1140	_ Cabinet Equipment, Rem and Reinstall	8007050	1.000	Ea
1150	_ Hh, Clean	8007050	1.000	Ea
1160	_ Managed Field Ethernet Switch, Fiber Capable	8007050	1.000	Ea
1170	_ Pedestrian Ramp, Temp	8007050	1.000	Ea
1180	_ Roadside Unit, Intersection	8007050	1.000	Ea
1190	_ Weigh In Motion (WIM)	8007051	1.000	LSUM
1200	Curb and Gutter, Bridge Approach	8020010	323.000	Ft
1210	Curb and Gutter, Conc, Det D2	8020031	530.000	Ft
1220	Shoulder Gutter, Conc, Det 2	8020056	5.000	Ea
1230	Valley Gutter, Conc	8020060	450.000	Ft
1240	Downspout Header, Conc	8020070	34.000	Ea
1250	Spillway, Conc	8020075	86.000	Ft
1260	Detectable Warning Surface	8030010	34.000	Ft
1265	Curb Ramp Opening, Conc	8030030	34.000	Ft
1270	Sidewalk Ramp, Conc, 6 inch	8030036	480.000	Sft
1280	Sidewalk, Conc, 4 inch	8030044	400.000	Sft
1290	Sidewalk, Conc, 6 inch	8030046	140.000	Sft
1300	Guardrail, Type MGS-8	8070004	11,948.000	Ft
1310	Guardrail, Type T, Temp	8070007	225.000	Ft
1320	Guardrail Anch, Bridge, Det T4	8070025	16.000	Ea
1330	Guardrail Approach Terminal, Type 2M	8070044	22.000	Ea
1340	Guardrail Departing Terminal, Type T	8070051	1.000	Ea
1350	Guardrail Departing Terminal, Type MGS	8070052	18.000	Ea
1360	Guardrail Reflector	8070080	276.000	Ea
1370	Guardrail, Reconst, Type T	8070109	888.000	Ft
1380	_ Flexible Guardrail Delineator (White)	8077050	220.000	Ea
1390	_ Flexible Guardrail Delineator (Yellow)	8077050	20.000	Ea
1400	Fence, Woven Wire with Wood Post	8080001	1,000.000	Ft
1410	Fence, Woven Wire with Steel Post	8080002	22,646.000	Ft
1420	Fence, Protective	8080007	5,927.000	Ft
1430	_ Field Office, CL 1, Modified	8097043	12.000	Mo
1440	_ Field Office, Utility Fees, Modified	8097060	10,000.000	Dlr
1450	Bridge Sign Connection, Conc, Type A1	8100031	2.000	Ea
1460	Bridge Sign Connection, Steel, Type I	8100068	1.000	Ea
1470	Bridge Sign Connection, Type A, Rem	8100080	2.000	Ea
1480	Bridge Sign Connection, Type F, Rem	8100085	1.000	Ea
1490	Cantilever, Type E	8100104	2.000	Ea
1500	Column, Breakaway, W8 x 13	8100120	2.000	Ea
1510	Delineator Reflector, Red	8100131	20.000	Ea
1520	Delineator Reflector, Green	8100133	40.000	Ea

1530	Delineator Reflector, White	8100134	157.000	Ea
1540	Delineator, Reflective Sheeting, 3 inch by 12 inch, Red	8100139	8.000	Ea
1550	Delineator, Reflective Sheeting, 3 inch by 12 inch, White	8100145	4.000	Ea
1560	Delineator, Reflective Sheeting, 3 inch by 12 inch, Yellow	8100146	16.000	Ea
1570	Fdn, Breakaway, W8 x 13	8100160	2.000	Ea
1580	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Cased	8100170	20.000	Ft
1590	Fdn, Cantilever Sign Structure Type E, 48 inch Dia, Uncased	8100171	20.000	Ft
1600	Fdn, Column Breakaway, Rem	8100220	4.000	Ea
1610	Fdn, Wood Support, Rem	8100280	25.000	Ea
1620	Installing MDOT Supplied Sign, Type III	8100302	4.000	Ea
1630	Perforated Steel Square Tube Breakaway System	8100330	9.000	Ea
1640	Fdn, Perforated Steel Square Tube Sign Breakaway System, Rem	8100331	9.000	Ea
1650	Delineator, Rem	8100349	200.000	Ea
1660	Post, Flexible, Delineator	8100360	20.000	Ea
1670	Post, Rigid, Delineator	8100361	197.000	Ea
1680	Post, Steel, 3 lb	8100371	1,046.000	Ft
1690	Post, Wood, 4 inch by 6 inch	8100380	230.000	Ft
1700	Post, Wood, 6 inch by 8 inch	8100382	332.000	Ft
1710	Sign, Type I, Rem	8100391	10.000	Ea
1720	Sign, Type IA	8100392	991.000	Sft
1730	Sign, Type IB	8100393	126.000	Sft
1740	Sign, Type II, Rem	8100397	26.000	Ea
1750	Sign, Type IIA	8100398	277.000	Sft
1760	Sign, Type IIB	8100399	29.000	Sft
1770	Sign, Type III, Erect, Salv	8100402	5.000	Ea
1780	Sign, Type III, Rem	8100403	62.000	Ea
1790	Sign, Type IIIA	8100404	120.000	Sft
1800	Sign, Type IIIB	8100405	95.000	Sft
1810	Transporting Salv MDOT Materials	8100420	1.000	LSUM
1820	Sign, Type VA	8100424	27.000	Sft
1830	Sign, Type VB	8100425	314.000	Sft
1840	Reflective Panel for Permanent Sign Support, 3 foot	8100613	10.000	Ea
1850	Reflective Panel for Permanent Sign Support, 6 foot	8100616	5.000	Ea
1860	Pavt Mrkg, Ovly Cold Plastic, Merge Arrow Symbol	8110050	4.000	Ea
1870	Pavt Mrkg, Ovly Cold Plastic, Wrong Way Arrow Symbol	8110051	1.000	Ea
1880	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Turning Guide Line, White	8110054	80.000	Ft
1890	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	8110063	2.000	Ea
1900	Pavt Mrkg, Ovly Cold Plastic, Merge	8110065	4.000	Ea
1910	Pavt Mrkg, Ovly Cold Plastic, Rt and Lt Turn Arrow Sym	8110070	2.000	Ea
1920	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	8110071	2.000	Ea

1930	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	8110093	150.000	Ft
1940	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	8110114	60.000	Ft
1950	Pavt Mrkg, Waterborne, 4 inch, White	8110231	18,020.000	Ft
1960	Pavt Mrkg, Waterborne, 6 inch, White	8110233	63,950.000	Ft
1970	Pavt Mrkg, Waterborne, 6 inch, Yellow	8110234	62,305.000	Ft
1980	Pavt Mrkg, Waterborne, 12 inch, White	8110237	10,795.000	Ft
1990	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	8110251	10,520.000	Ft
2000	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, White	8110253	33,450.000	Ft
2010	Pavt Mrkg, Waterborne, 2nd Application, 6 inch, Yellow	8110254	32,305.000	Ft
2020	Pavt Mrkg, Waterborne, 2nd Application, 12 inch, White	8110257	5,295.000	Ft
2030	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	55,800.000	Ft
2040	Rem Curing Compound, for Longit Mrkg, 8 inch	8110309	6,800.000	Ft
2050	Rem Spec Mrkg	8110343	100.000	Sft
2060	Witness, Log, \$1,000.00	8110350	1,000.000	Dlr
2070	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	8120012	10.000	Ea
2080	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	8120013	10.000	Ea
2090	Barricade, Type III, High Intensity, Lighted, Furn	8120022	50.000	Ea
2100	Barricade, Type III, High Intensity, Lighted, Oper	8120023	50.000	Ea
2110	Pedestrian Type II Barricade, Temp	8120026	7.000	Ea
2120	Pedestrian Type II Channelizer, Temp	8120027	220.000	Ft
2130	Conc Barrier Ending, Temp, Detail 2, Adj	8120040	2.000	Ea
2140	Conc Barrier Ending, Temp, Detail 2, Furn	8120041	10.000	Ea
2150	Conc Barrier Ending, Temp, Detail 2, Oper	8120042	10.000	Ea
2160	Conc Barrier Reflector Replacement	8120070	570.000	Ea
2170	Conc Barrier, Temp, Adj	8120080	17,600.000	Ft
2180	Conc Barrier, Temp, Furn	8120081	45,200.000	Ft
2190	Conc Barrier, Temp, Oper	8120082	45,200.000	Ft
2200	Conc Barrier, Temp, Relocated	8120083	3,000.000	Ft
2210	Conc Barrier, Temp, Limited Deflection, Reflector Replacement	8120086	200.000	Ea
2220	Delineator, Flexible, Temp, Furn	8120091	150.000	Ea
2230	Delineator, Flexible, Temp, Oper	8120092	150.000	Ea
2240	Glare Screen, Temp	8120094	9,900.000	Ft
2250	Glare Screen, Temp, Relocated	8120095	100.000	Ft
2260	Glare Screen, Temp, Complete Section, Replaced	8120096	250.000	Ea
2270	High Intensity Light, Type B, Furn	8120110	11.000	Ea
2280	High Intensity Light, Type B, Oper	8120111	11.000	Ea
2290	Lighted Arrow, Type C, Furn	8120140	9.000	Ea
2300	Lighted Arrow, Type C, Oper	8120141	9.000	Ea
2310	Ltg for Night Work	8120160	1.000	LSUM
2320	Minor Traf Devices	8120170	1.000	LSUM
2330	Mobile Attenuator	8120180	2.000	Ea
2340	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	8120210	89,430.000	Ft

2350	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	8120211	9,430.000	Ft
2360	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	8120235	24,250.000	Ft
2370	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8120236	21,030.000	Ft
2380	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	8120245	110,720.000	Ft
2390	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	8120246	76,450.000	Ft
2400	Plastic Drum, Fluorescent, Furn	8120252	930.000	Ea
2410	Plastic Drum, Fluorescent, Oper	8120253	930.000	Ea
2420	Raised Pavt Marker, Temp, Type 3, White, Monodirectional	8120300	120.000	Ea
2430	Raised Pavt Marker, Temp, Type 3, Yellow, Bidirectional	8120301	340.000	Ea
2440	Sign Cover	8120310	145.000	Ea
2450	Sign Cover, Type 1	8120320	6.000	Ea
2460	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	8120332	9.000	Ea
2470	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	8120333	9.000	Ea
2480	Sign, Type A, Temp, Prismatic, Furn	8120340	1,820.000	Sft
2490	Sign, Type A, Temp, Prismatic, Oper	8120341	1,820.000	Sft
2500	Sign, Type B, Temp, Prismatic, Furn	8120350	4,570.000	Sft
2510	Sign, Type B, Temp, Prismatic, Oper	8120351	4,570.000	Sft
2520	Sign, Type B, Temp, Prismatic, Special, Furn	8120352	3,390.000	Sft
2530	Sign, Type B, Temp, Prismatic, Special, Oper	8120353	3,390.000	Sft
2540	Traf Regulator Control	8120370	1.000	LSUM
2550	Conc Barrier, Temp, Limited Deflection, Det 2, Furn	8121100	12,487.000	Ft
2560	Conc Barrier, Temp, Limited Deflection, Det 2, Oper	8121101	12,487.000	Ft
2570	_ Pedestrian Barrier with Fence, Temp	8127001	370.000	Ft
2580	_ Temp Rumble Strips (Orange)	8127001	1,370.000	Ft
2590	_ Barrier Gate, Temp, Furn	8127050	4.000	Ea
2600	_ Barrier Gate, Temp, Open/Close	8127050	12.000	Ea
2610	_ Barrier Gate, Temp, Oper	8127050	4.000	Ea
2620	Riprap, Heavy	8130005	32.000	Syd
2630	Riprap, Plain	8130010	230.000	Syd
2640	_ Riprap, Special	8137031	390.000	Ton
2650	Ditch, Plain Cobble	8140005	1,465.000	Syd
2660	Site Preparation, Max \$5,800.00	8150001	1.000	LSUM
2670	Watering and Cultivating, First Season, Min \$2,800.00	8150002	1.000	LSUM
2680	Watering and Cultivating, Second Season, Min \$3,500.00	8150003	1.000	LSUM
2690	Acer ginnala, 1 1/2 inch	8150059	10.000	Ea
2700	Crataegus crusgalli Inermis, tree form, 1 1/2 inch	8151130	10.000	Ea
2710	Gleditsia triacanthos inermis Skyline, 1 1/2 inch	8151658	10.000	Ea
2720	Malus Prairie Fire, 1 1/2 inch	8152313	10.000	Ea
2730	Picea glauca Densata, 4 foot	8152754	15.000	Ea

2740	Picea omorika, 4 foot	8152786	15.000	Ea
2750	Mulch	8160025	1,202.000	Syd
2760	Seeding, Mixture CR	8160035	350.000	Lb
2770	Seeding, Mixture TSM	8160041	21.000	Lb
2780	Water, Sodding/Seeding	8160090	14.000	Unit
2790	Slope Restoration, Type A	8160100	169,345.000	Syd
2800	Slope Restoration, Type B	8160101	43,190.000	Syd
2810	Slope Restoration, Type C	8160102	24,150.000	Syd
2820	Slope Restoration, Type D	8160103	600.000	Syd
2830	Cable Pole, TS, Dismant	8190010	1.000	Ea
2840	Cable, Intercn, Rem	8190015	1,500.000	Ft
2850	Conduit, DB, 1, 1 1/4 inch	8190026	40.000	Ft
2860	Conduit, DB, 1, 1 1/2 inch	8190027	90.000	Ft
2870	Conduit, DB, 1, 3 inch	8190029	60.000	Ft
2880	Conduit, DB, 3, 3 inch	8190035	70.000	Ft
2890	Conduit, DB, 4, 3 inch	8190038	20.000	Ft
2900	Conduit, Rem	8190140	390.000	Ft
2910	Hh, Polymer Conc	8190250	2.000	Ea
2920	Hh, Rem	8190254	7.000	Ea
2930	Hh, Round, 3 foot dia	8190259	1.000	Ea
2940	Hh, Round	8190260	3.000	Ea
2950	Cable, Sec, 600V, 1, 3/C#6	8190399	100.000	Ft
2960	Wood Pole, Rem	8190505	1.000	Ea
2970	Conduit, Directional Bore, 1, 3 inch	8190602	50.000	Ft
2980	_ Conduit, DB, 1, 1 inch	8197001	60.000	Ft
2990	_ Conduit, Directional Bore, 1, 1 1/4 inch	8197001	50.000	Ft
3000	_ Conduit, Directional Bore, 1, 1 inch	8197001	50.000	Ft
3010	_ Hh, Round, Elec	8197050	2.000	Ea
3020	Case Sign, Rem	8200020	1.000	Ea
3030	Controller and Cabinet, Rem	8200030	1.000	Ea
3040	Controller Fdn, Base Mount	8200045	1.000	Ea
3050	Controller Fdn, Rem	8200046	1.000	Ea
3060	Global Positioning System Module	8200050	2.000	Ea
3070	TS, Managed Field Ethernet Switch, Layer 2, Copper	8200088	1.000	Ea
3080	Pedestal Fdn, Rem	8200106	1.000	Ea
3090	Pedestal, Rem	8200110	1.000	Ea
3100	Power Co. (Est. Cost to Contractor)	8200116	1,000.000	Dlr
3110	Serv Disconnect	8200135	1.000	Ea
3120	Serv Disconnect, Rem	8200136	1.000	Ea
3130	Span Wire	8200140	3.000	Ea
3140	Span Wire, Rem	8200141	1.000	Ea
3150	Span Wire Tether	8200142	3.000	Ea
3160	TS, Pedestrian, Bracket Arm Mtd, Rem	8200180	1.000	Ea
3170	TS, Pedestrian, Pedestal Mtd, Rem	8200181	1.000	Ea
3180	TS, Span Wire Mtd, Rem	8200182	2.000	Ea

3190	Cabinet, NEMA Type	8200186	1.000	Ea
3200	TS, One Way Span Wire Mtd (LED)	8200313	7.000	Ea
3210	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	8200336	2.000	Ea
3220	Wireless Vehicle Detection System	8200422	1.000	Ea
3230	Wireless Vehicle Sensor Node	8200425	9.000	Ea
3240	Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated	8200434	2.000	Ea
3250	TS Face, Bag	8200458	8.000	Ea
3260	TS Face, Bag, Rem	8200459	8.000	Ea
3270	Strain Pole, Steel, 6 bolt, 36 foot	8200461	4.000	Ea
3280	Strain Pole Fdn, 6 Bolt	8200470	60.000	Ft
3290	Casing	8200480	46.000	Ft
3300	Cellular Modem, TS, 4G	8200498	1.000	Ea
3310	Backplate, TS	8200501	7.000	Ea
3320	_ Controller, NEMA ATC Type	8207050	1.000	Ea
3330	Monument Box	8210001	8.000	Ea
3340	Monument Preservation	8210010	5.000	Ea
3350	Monument Preservation, Vertical	8210015	5.000	Ea
3360	Protect Corners	8210020	3.000	Ea
3370	Shoulder Corrugations, Ground or Cut, HMA	8220001	2,460.000	Ft
3380	Contractor Staking	8240001	1.000	LSUM
3390	Staking Plan Errors and Extras, One Person	8240020	141.000	Hr
3400	Staking Plan Errors and Extras, Two Person	8240021	57.000	Hr
3410	Staking Plan Errors and Extras, Three Person	8240022	85.000	Hr
3420	ITS Grounding, Bonding, and Surge Protection	8260020	1.000	LSUM
3430	Lightning Protection, Pole	8260021	1.000	Ea
3440	Flowable Fill, Non-Structural	8260148	12.000	Cyd

Section: 2

3450	Excavation, Earth	2050016	117,964.000	Cyd
3460	Subgrade Undercutting, Type II	2050041	28,570.000	Cyd
3470	_ Embankment, CIP, Special	2057021	11,108.000	Cyd
3480	Subbase, CIP	3010002	32,786.000	Cyd
3490	Open-Graded Dr Cse, 6 inch	3030006	171,743.000	Syd
3500	_ Shoulder, CI II, 10 inch, Modified	3077011	7,865.000	Syd
3510	_ Shoulder, CI II, 12 inch, Modified	3077011	4,391.000	Syd
3520	_ Shoulder, CI II, 9 inch, Modified	3077011	847.000	Syd
3530	Underdrain, Subbase, 6 inch	4040063	50,046.000	Ft
3540	Underdrain Outlet, 6 inch	4040093	3,460.000	Ft
3550	Underdrain, Outlet Ending, 6 inch	4040113	173.000	Ea
3560	Conc Pavt, Curing Horizontal Surfaces	6020159	152,333.000	Syd
3570	Joint, Contraction, C3p	6020201	35,855.000	Ft
3580	Joint, Expansion, E4	6020209	22.000	Ft
3590	Conc Quality Initiative	6020401	47,886.000	Dlr

3600	Conc Pavt, Nonreinf, 9 inch, High Performance	6020502	5,810.000	Syd
3610	Conc Pavt, Nonreinf, 10 inch, High Performance	6020504	36,845.000	Syd
3620	Conc Pavt, Nonreinf, 12 inch, High Performance	6020508	48,991.000	Syd
3630	Conc Pavt, Misc, Nonreinf, 9 inch, High Performance	6020514	973.000	Syd
3640	Conc Pavt, Misc, Nonreinf, 10 inch, High Performance	6020516	1,276.000	Syd
3650	Conc Pavt, Misc, Nonreinf, 12 inch, High Performance	6020520	5,415.000	Syd
3660	Shoulder, Nonreinf Conc, High Performance	6020524	55,864.000	Syd
3670	_ Joint, Contraction, Cp, Modified	6027001	68,208.000	Ft
3680	_ Joint, Expansion, E2, Modified	6027001	32.000	Ft
3690	Joint, Contraction, Crg	6030020	77.000	Ft
3700	Lane Tie, Epoxy Anchored	6030030	125.000	Ea
3710	Curb and Gutter, Conc, Det B1	8020015	393.000	Ft
3720	Curb and Gutter, Conc, Det D1	8020030	1,596.000	Ft
3730	_ Curb and Gutter, Conc, Det D1, Modified	8027001	7,490.000	Ft
3740	Rem Curing Compound, for Longit Mrkg, 4 inch	8110307	8,520.000	Ft
3750	Rem Curing Compound, for Longit Mrkg, 6 inch	8110308	59,505.000	Ft
3760	Rem Curing Compound, for Longit Mrkg, 12 inch	8110310	5,295.000	Ft
3770	Rem Curing Compound, for Spec Mrkg	8110321	678.000	Sft
3780	Shoulder Corrugations, Ground or Cut, Conc	8220000	26,190.000	Ft

Section: 3

3790	Excavation, Earth	2050016	211,094.000	Cyd
3800	_ Embankment, CIP, Special	2057021	9,444.000	Cyd
3810	Subbase, CIP	3010002	127,545.000	Cyd
3820	Aggregate Base, 6 inch	3020016	172,213.000	Syd
3830	_ Shoulder, CI II, 11.75 inch, Modified	3077011	4,391.000	Syd
3840	_ Shoulder, CI II, 7.5 inch, Modified	3077011	847.000	Syd
3850	_ Shoulder, CI II, 9.5 inch, Modified	3077011	7,865.000	Syd
3860	Underdrain, Subbase, 6 inch	4040063	33,399.000	Ft
3870	Underdrain Outlet, 6 inch	4040093	2,420.000	Ft
3880	Underdrain, Outlet Ending, 6 inch	4040113	121.000	Ea
3890	HMA Quality Initiative	5010007	184,335.000	Dlr
3910	_ HMA Approach (11.75")	5017011	5,415.000	Syd
3920	_ HMA Approach (7.5")	5017011	1,107.000	Syd
3930	_ HMA Approach (9.5")	5017011	1,276.000	Syd
3940	_ HMA, 2E03 (5")	5017011	15,651.000	Syd
3950	_ HMA, 2E10 (5")	5017011	42,706.000	Syd
3960	_ HMA, 2E10, High Stress (5")	5017011	1,067.000	Syd
3970	_ HMA, 3E03 (3.5")	5017011	2,371.000	Syd
3980	_ HMA, 3E3 (3.5")	5017011	7,380.000	Syd
3990	_ HMA, 3E3 (7.25")	5017011	14,922.000	Syd
4000	_ HMA, 3E30 (7.25")	5017011	63,452.000	Syd
4010	_ HMA, 4E03 (2")	5017011	19,638.000	Syd
4020	_ HMA, 4E03 (2.5")	5017011	15,651.000	Syd
4030	_ HMA, 4E10 (2")	5017011	42,706.000	Syd

4040	_ HMA, 4E10 (2.5")	5017011	42,706.000	Syd
4050	_ HMA, 4E10, High Stress (2")	5017011	1,067.000	Syd
4060	_ HMA, 4E10, High Stress (2.5")	5017011	1,067.000	Syd
4070	_ HMA, 4E3 (2")	5017011	29,597.000	Syd
4080	_ HMA, 4E3 (2.5")	5017011	14,922.000	Syd
4090	_ HMA, 4E30 (2")	5017011	63,452.000	Syd
4100	_ HMA, 4E30 (2.5")	5017011	63,452.000	Syd
4110	Curb and Gutter, Conc, Det B2	8020016	393.000	Ft
4120	Curb and Gutter, Conc, Det D2	8020031	2,730.000	Ft
4130	_ Curb and Gutter, Conc, Det D2, Modified	8027001	6,356.000	Ft
4140	Shoulder Corrugations, Ground or Cut, HMA	8220001	26,190.000	Ft

Section: 4

4150	Backfill, Structure, CIP	2060002	7.000	Cyd
4160	Excavation, Fdn	2060010	7.000	Cyd
4170	Conduit, 3 inch	7060030	70.000	Ft
4180	Expansion Joint Device	7060050	117.000	Ft
4190	False Decking	7060060	170.000	Sft
4200	Reinforcement, Steel, Epoxy Coated	7060092	2,377.000	Lb
4210	_ Conc, Deck Joint Replacement	7067021	21.000	Cyd
4220	Joint Waterproofing	7100001	66.000	Sft
4230	Conc Surface Coating, Warranty (S10 of 70024)	7100009	1.000	LSUM
4240	Conc Surface Coating, Warranty (S12 of 70024)	7100009	1.000	LSUM
4250	Substructure Horizontal Surface Sealer (S10 of 70024)	7100030	9.000	Syd
4260	Bridge Barrier Railing, Type 4	7110001	5.000	Ft
4270	Hand Chipping, Shallow	7120003	20.000	Syd
4280	Hand Chipping, Deep	7120004	80.000	Syd
4290	Hand Chipping, Other Than Deck	7120007	15.000	Cft
4300	Patch, Forming	7120017	45.000	Sft
4310	Epoxy Ovly	7120020	1,405.000	Syd
4320	Adhesive Anchoring of Vertical Bar, 1/2 inch	7120032	86.000	Ea
4330	Deck Joint, Rem	7120071	117.000	Ft
4340	Patching Conc, C-L	7120112	13.000	Cyd
4350	Embedded Galvanic Anode	7120120	352.000	Ea
4360	Beam Plate, Seal Perimeter	7130010	900.000	Ft
4370	End Diaphragm, Rem and Replace	7150010	5.000	Ea
4380	Steel Structure, Cleaning, Partial, Type 4 (S10 of 70024)	7150047	1.000	LSUM
4390	Steel Structure, Coating, Partial, Type 4 (S10 of 70024)	7150048	1.000	LSUM
4400	Slope Paving Header	8130015	10.000	Ft
4410	Slope Paving, Conc	8130020	40.000	Syd

Section: 5

4420	_ User Delay Cost, Mainline	1027051	1.000	LSUM
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AASHTOWare Project™ Version 4.0 Revision 189

Schedule of Pay Items

Report v1

Letting Call: 190206 601**Letting Date:** February 6, 2019**Contract ID:** 38061-201028

Description: Up to 139.13 Lnmi of overband crack filling on various state trunkline routes in Hillsdale, Jackson, and Lenawee Counties. This project will be constructed with an innovative contracting method, Fixed Price Variable Scope.

Project Information

Project Number	Federal Project Number	Federal Item Number	Control Section
201028A	1900252	N/A	ST 38061

List of Items by Section

Line Num	Item Description	Item ID	Quantity	Units
Section: 1				
0010	Mobilization, Max \$33,023.00	1500001	1.000	LSUM
Section: 2				
0020	_ Priority 01, Overband Crack Fill, Lane	5027004	8.960	Lnmi
0030	_ Priority 02, Overband Crack Fill, Lane	5027004	25.330	Lnmi
0040	_ Priority 03, Overband Crack Fill, Lane	5027004	18.110	Lnmi
0050	_ Priority 04, Overband Crack Fill, Lane	5027004	5.320	Lnmi
0060	_ Priority 05, Overband Crack Fill, Lane	5027004	3.790	Lnmi
0070	_ Priority 06, Overband Crack Fill, Lane	5027004	29.390	Lnmi
0080	_ Priority 07, Overband Crack Fill, Ramp	5027004	0.730	Lnmi
0090	_ Priority 08, Overband Crack Fill, Lane	5027004	9.230	Lnmi
0100	_ Priority 09, Overband Crack Fill, Lane	5027004	15.350	Lnmi
0110	_ Priority 10, Overband Crack Fill, Lane, 4.24 Lnmi	5027004	4.240	Lnmi
0120	_ Priority 11, Overband Crack Fill, Lane, 7.32 Lnmi	5027004	7.320	Lnmi
0130	_ Priority 12, Overband Crack Fill, Lane, 11.36 Lnmi	5027004	11.360	Lnmi