Roscommon County Road Commission

Scott Eckstorm, Commissioner James Porath, Commissioner Clint Stauffer, Commissioner Brian Vaughn, Commissioner Justin Wykoff, Commissioner 820 E. West Branch Road Prudenville, MI 48651

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Old US 27 (South Harrison Rd)
Job Number: 220255
Addendum A

Issued 01-16-2025

Log-

- Delete log item 4010051 Culv End Sect, Conc, 24 inch entirely.
- For log item 4010098 Culv End Sec, Metal, 24 inch: add 2 Ea at Station 1133+00 (Cross Culvert) for a total
 of 8 Ea.

Schedule of Items-

- Delete Schedule of item 4010051 Culv End Sect, Conc, 24 inch entirely.
- For schedule of item 4010098 Culv End Sec, Metal, 24 inch: add 2 Ea for a total of 8 Ea.

If there are any questions regarding this addendum, please do not hesitate to contact us at 989-366-0333. Bids remain due on Friday, February 14th at 2:00 pm.

DATE: FEBRUARY 14, 2025

SCHEDULE OF BID ITEMS - Addendum A

2030001 Culv, Rem, Le. 2030002 Culv, Rem, 24 2040050 Pavt, Rem 3020001 Aggregate Bas 3020001 Approach, Cl 3070021 Shld, Cl II 3070021 Shld, Cl II 3070021 Shld, Cl II 4010051 Culv End Sect, 4010094 Culv End Sect, 4010096 Culv End Sect, 4010096 Culv End Sect, 4010131 Culv, Cl A, 12 4010132 Culv, Cl A, 12 4010134 Culv, Cl A, 15 4010135 Culv, Cl A, 16 4010136 Culv, Cl A, 18 4010137 Culv, Cl A, 18 4010138 Culv, Cl A, 24 4010168 Culv, Cl A, 24 4010168 Culv, Cl A, 20 4010168 Culv, Cl A, 20 4010168 Culv, Cl A, Cor 5010002 Cold Milling H 5010033 HMA, 13A 5010061 HMA, Approa 5010005 Hand Patchin, 5010001 HMA, Approa 5010001 Pavt Mrkg, Po 5010021 Pavt Mrkg, Po 5010021 Pavt Mrkg, Po 5010022 Pavt Mrkg, W 50110251 Pavt Mrkg, Po 5010025 Pavt Mrkg, Po 5010025 Pavt Mrkg, Po 5010026 Curb and Gutt 5010027 Pavt Mrkg, Po 5011041 Pavt Mrkg, Po 50	Base Base, Conditioning CI I ct, Conc, 24 inch ct, Metal, 12 inch ct, Metal, 15 inch ct, Metal, 18 inch ct, Metal, 24 inch ct, Metal, 24 inch	QUANTITY 1 4 4 261 32 1,184 599 1,250 2 4	LSUM Ea Ea Syd Ton Syd Ton Ton	
Culv Rem, Let	Less than 24 inch 24 to 48 inch Base Base, Conditioning CI I ct, Conc, 24 inch ct, Metal, 12 inch ct, Metal, 15 inch ct, Metal, 18 inch ct, Metal, 24 inch ct, Metal, 24 inch	4 4 261 32 1,184 59 1,250 2	Ea Ea Syd Ton Syd Ton Ton	
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4010098 Culv End Sect, 4010131 Culv, Cl A, 12 4010132 Culv, Cl A, 15 4010133 Culv, Cl A, 18 4010134 Culv, Cl A, 24 4010168 Culv, Cl A, 24 4010168 Culv, Cl A, Cor 5010002 Cold Milling H 5010025 Hand Patchin, 5010031 HMA, 13A 5010061 HMA, Approa 8020016 Curb and Gutt 8110093 Pavt Mrkg, Pc 8110232 Pavt Mrkg, W 8110231 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Pc 8110417 Pavt Mrkg, Pc 8110418 Pavt Mrkg, Pc 8120035 Channelizing 8 8120036 Channelizing 8	ct, Metal, 24 inch		Ea	
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4010168 Culv, CI A, Cor 5010002 Cold Milling H 5010025 Hand Patching 5010033 HMA, 13A 5010061 HMA, Approa 8020016 Curb and Gutt 8110093 Pavt Mrkg, Po 8110114 Pavt Mrkg, Po 8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, W 8110417 Pavt Mrkg, W 8110418 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8110418 Channelizing B 8120036 Channelizing B		50	Ft	
5010002 Cold Milling H 5010025 Hand Patching 5010033 HMA, 13A 5010061 HMA, Approa 8020016 Curb and Gut 8110093 Pavt Mrkg, Po 8110114 Pavt Mrkg, W 8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, W 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing I 8120036 Channelizing I 8120140 Lighted Arrow		188	Ft	
5010025 Hand Patching 5010033 HMA, 13A 5010061 HMA, Approa 8020016 Curb and Gutt 8110093 Pavt Mrkg, Po 8110114 Pavt Mrkg, W 8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, W 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing I 8120036 Channelizing I 8120140 Lighted Arrow	•	72	Ft	
5010033 HMA, 13A 5010061 HMA, Approa 5020016 Curb and Gutt 5110093 Pavt Mrkg, Po 5110114 Pavt Mrkg, W 5110231 Pavt Mrkg, W 5110232 Pavt Mrkg, W 5110251 Pavt Mrkg, W 5110252 Pavt Mrkg, W 5110405 Pavt Mrkg, W 5110417 Pavt Mrkg, Po 5110418 Channelizing I 5120036 Channelizing I 5120140 Lighted Arrow	; HMA Surface	1,129	Syd	
5010061 HMA, Approa 8020016 Curb and Gutt 8110093 Pavt Mrkg, Po 8110114 Pavt Mrkg, Po 8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing B 8120036 Channelizing B	ing	18	Ton	
8020016 Curb and Gutt 8110093 Pavt Mrkg, Po 8110114 Pavt Mrkg, Po 8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing B 8120036 Channelizing B		6,625	Ton	
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8110114 Pavt Mrkg, Po 8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing B 8120036 Channelizing B	utter, Conc, Det B2	744	Ft	
8110231 Pavt Mrkg, W 8110232 Pavt Mrkg, W 8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing B 8120036 Channelizing B	Polyurea, 6 inch, Crosswalk	141	Ft	
Pavt Mrkg, W	Polyurea, 24 inch, Stop Bar	38	Ft	
8110251 Pavt Mrkg, W 8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing B 8120036 Channelizing Lighted Arrow	Waterborne, 4 inch, White	20,830	Ft	
8110252 Pavt Mrkg, W 8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing I 8120036 Channelizing I 8120140 Lighted Arrow	Waterborne, 4 inch, Yellow	9,109	Ft	
8110405 Pavt Mrkg, Po 8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing I 8120036 Channelizing I 8120140 Lighted Arrow	Waterborne, 2nd Application, 4 inch, White	20,830	Ft	
8110417 Pavt Mrkg, Po 8110418 Pavt Mrkg, Po 8120035 Channelizing I 8120036 Channelizing I 8120140 Lighted Arrow	Waterborne, 2nd Application, 4 inch, Yellow	9,109	Ft	
Pavt Mrkg, Po B110418 Pavt Mrkg, Po B120035 Channelizing B120036 Channelizing B120140 Lighted Arrow	Polyurea, Lt Turn Arrow Sym	1	Ea	
8120035 Channelizing I 8120036 Channelizing I 8120140 Lighted Arrow	Polyurea, Thru and Rt Turn Arrow Sym	1	Ea	
8120036 Channelizing I 8120140 Lighted Arrow	Polyurea, Thru Arrow Sym	1	Ea	
8120036 Channelizing I 8120140 Lighted Arrow	g Device, 42 inch, Fluorescent, Furn	140	Ea	
B120140 Lighted Arrow	g Device, 42 inch, Fluorescent, Oper	140	Ea	
	ow, Type C, Furn	3	Ea	
	ow, Type C, Oper	3	Ea	1
8120170 Minor Traf De		1	LSUM	1
	Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	1,248	Ft	1
	B, Temp, Prismatic, Furn	496	Sft	+
10,11	3, Temp, Prismatic, Oper	496	Sft	
	B, Temp, Prismatic, Spec, Furn	16	Sft	
- 0 / //- /	R, Temp, Prismatic, Spec, Oper	16	Sft	
8120370 Traf Regulato	r. remp. r i sinanc, spec. Oper	10	LSUM	+
S167011 Slope Restor		773	Syd	+

Roscommon County Road Commission Old US 27 (S Harrison Rd)

Construction Log

Location: JN 220255

This project consists of work on Old US 27 (S Harrison Rd) in Roscommon County, stationing runs south to north. References to the right and left sides of the roadway correspond to the direction of the stationing. Locations of items shown on the project log were located by the use of an electronic distance-measuring device. Locations shall be considered approximate and final measurement shall determine pay limits.

Job commences on Old US 27 (S Harrison Rd) P.O.B. Station 1031+55 (247' north of the C/L of CR 305 (Federal Ave)) thence north to the P.O.E. Station 1136+76 (30' south of the C/L of M-55 (W Houghton Lake Dr)).

Description:

1.99 miles of Cold Milling HMA Surface, Culvert Replacements, Concrete Curb and Gutter, HMA Paving, and Permanent Pavement Markings.

2030001 Culv, Rem, Less than 24 inch

Remove existing culverts and end sections less than 24" in diameter.

*Estimated Length

(4 Ea)

Station 1113+37 to 1113+78 RT (41 Ft*) (Champion Fortune Corporation)	1 Ea
Station 1125+73 to 1125+97 RT (27 Ft*) (south airport driveway)	1 Ea
Station 1126+87 to 1127+14 RT (27 Ft*) (north airport driveway)	1 Ea
Station 1133+35 to 1133+65 LT (30 Ft*) (north ball field driveway)	1 Ea

2030002 Culv, Rem, 24 inch to 48 inch

Remove existing culverts and end sections 24" to 48" in diameter.

*Estimated Length

(4 Ea)

Station 1127+93 to 1128+44 LT (51 Ft*) (DNR Field Office Driveway)	1 Ea
Station 1129+75 to 1130+06 LT (31 Ft*) (south Ball Field Driveway)	1 Ea
Station 1133+00 (71 Ft*) (cross culvert)	1 Ea
Station 1134+41 to 1134+79 RT (38 Ft*) (Venture Inn Driveway)	1 Ea

2040050 Pavt, Rem

Sawcut and remove HMA pavement from roadway and driveways to replace culverts. (261 Syd)

Station 1113+45 to 1113+71, 16' to 35' O/S RT (Champion Fortune Corporation)	66 Syd
Station 1129+70 to 1130+10, 19' to 58' O/S LT (south ball field)	102 Syd
Station 1132+89 to 1133+11 LT/RT (cross culvert)	93 Syd

3020001 Aggregate Base

Place and compact aggregate base at 6 inch depth above sand subbase over new culvert to match bottom of existing pavement layer.
(32 Ton)

3020050 Aggregate Base, Conditioning

Shape the existing aggregate base surface to allow for an HMA thickness of 220 pounds per square yard below the top of proposed HMA mainline surface. (1,184 Syd)

Station 1081+40 to 1082+30,16' to 186' O/S LT (Knapp Rd W)	697 Syd
Station 1113+45 to 1113+71, 16' to 35' O/S RT (Champion Fortune Corporation)	66 Syd
Station 1125+70 to 1126+00, 19' to 42' O/S RT (south airport driveway)	62 Syd
Station 1126+85 to 1127+15, 19' to 36' O/S RT (north airport driveway)	50 Syd
Station 1127+93 to 1128+44, 19' to 36' O/S LT (DNR office driveway)	82 Syd
Station 1129+70 to 1130+10, 19' to 58' O/S LT (south ball field)	102 Syd
Station 1133+35 to 1133+65, 19' to 36' O/S LT (north ball field driveway)	53 Syd
Station 1134+41 to 1134+79, 19' to 35' O/S RT (Venture Inn driveway)	72 Syd

3070021 Approach, CI II

Haul, place, and compact aggregate base for approaches for the width of proposed HMA and at a depth sufficient to match into the final HMA surface. (59 Ton)

Station 1041+50 to 1041+90, 16' to 26' O/S RT (1769 address)	3 Ton
Station 1051+30 to 1051+75, 16' to 26' O/S RT (gravel driveway)	2 Ton
Station 1057+30 to 1057+65, 16' to 26' O/S RT (1475 address)	2 Ton
Station 1064+20 to 1064+55, 16' to 26' O/S RT (1313 address)	2 Ton
Station 1068+60 to 1068+90, 16' to 26' O/S RT (1219 address)	2 Ton
Station 1070+70 to 1071+35, 16' to 26' O/S LT (Sewer Authority driveway)	4 Ton
Station 1081+70 to 1082+30, 186' to 196' O/S LT (Knapp Rd W)	3 Ton
Station 1085+00 to 1085+30, 16' to 26' O/S RT (Quest gravel driveway)	2 Ton
Station 1092+05 to 1093+05, 16' to 26' O/S LT (Porath driveway)	10 Ton
Station 1100+30 to 1100+60, 16' to 26' O/S LT (670 address)	3 Ton
Station 1100+90 to 1101+30, 16' to 26' O/S RT (681 address)	3 Ton
Station 1101+55 to 1101+95, 16' to 26' O/S LT (634 address)	3 Ton
Station 1111+05 to 1111+40, 16' to 26' O/S LT (458 address)	3 Ton
Station 1121+80 to 1122+05, 16' to 26' O/S RT (gravel driveway)	2 Ton
Station 1125+70 to 1126+00, 42' to 52' O/S RT (south airport driveway)	2 Ton
Station 1126+85 to 1127+15, 36' to 46' O/S RT (north airport driveway)	2 Ton
Station 1127+90 to 1128+45, 36' to 46' O/S LT (DNR office driveway)	3 Ton
Station 1129+70 to 1130+10, 58' to 68' O/S LT (south ball field driveway)	2 Ton
Station 1133+30 to 1133+70, 36' to 46' O/S LT (north ball field driveway)	2 Ton
Station 1134+35 to 1134+85, 35' to 45' O/S RT (Venture Inn driveway)	4 Ton

3070121 Shld, CI II

Haul, place and compact aggregate base shoulders at the width shown on the Proposed Typical Sections and at a depth sufficient to match into the final HMA surface. (1,250 Ton)

Station 1031+55 to 1070+70 LT	240 Ton
Station 1031+55 to 1039+10 RT	50 Ton
Station 1039+40 to 1081+00 RT	250 Ton
Station 1071+35 to 1103+45 LT	200 Ton
Station 1082+32 to 1092+30 RT	60 Ton
Station 1093+90 to 1099+85 RT	40 Ton
Station 1100+15 to 1113+35 RT	80 Ton
Station 1103+85 to 1104+80 LT	6 Ton
Station 1105+10 to 1106+30 LT	8 Ton
Station 1106+65 to 1120+10 LT	85 Ton

RCRC: BDD	9-20-24
Station 1113+80 to 1136+15 RT Station 1120+85 to 1121+20 LT Station 1121+50 to 1123+30 LT	135 Ton 3 Ton 15 Ton
Station 1123+65 to 1129+70 LT Station 1130+10 to 1134+40 LT Station 1134+85 to 1136+15 LT	40 Ton 30 Ton 8 Ton
4010051 Culv End Sect, Conc, 24 inch Place 24" diameter culvert end section, including installation, materials, backfill, and compactin (2 Ea)	g.
Station 1133+00 (cross culvert)	2 Ea
4010094 Culv End Sect, Metal, 12 inch Place 12" diameter culvert end section, including installation, materials, backfill, and compactin (4 Ea)	g.
Station 1113+32 to 1113+84 RT (Champion Fortune Corporation) Station 1133+26 to 1133+74 LT (north ball field driveway)	2 Ea 2 Ea
4010095 Culv End Sect, Metal, 15 inch Place 15" diameter culvert end section, including installation, materials, backfill, and compactin (2 Ea)	g.
Station 1125+61 to 1126+09 RT (south airport driveway)	2 Ea
4010096 Culv End Sect, Metal, 18 inch Place 18" diameter culvert end section, including installation, materials, backfill, and compactin (2 Ea)	g.
Station 1126+75 to 1127+25 RT (north airport driveway)	2 Ea
4010098 Culv End Sect, Metal, 24 inch Place 24" diameter culvert end section, including installation, materials, backfill, and compactin (6 8 Ea)	g.
Station 1127+80 to 1128+56 LT (DNR office driveway) Station 1129+63 to 1130+17 LT (south ball field driveway) Station 1134+31 to 1134+89 RT (Venture Inn driveway) Station 1133+00 (cross culvert)	2 Ea 2 Ea 2 Ea <mark>2 Ea</mark>
4010131 Culv, Cl A, 12 inch Place 12" diameter culvert, including installation, materials, backfill, and compacting. (100 Ft)	
Station 1113+32 to 1113+84 RT (Champion Fortune Corporation) Station 1133+26 to 1133+74 LT (north ball field driveway)	52 Ft 48 Ft
4010132 Culv, Cl A, 15 inch Place 15" diameter culvert, including installation, materials, backfill, and compacting. (46 Ft)	
Station 1125+61 to 1126+09 RT (south airport driveway)	46 Ft

4010133 Culv, Cl A, 18 inch

Place 18" diameter culvert, including installation, materials, backfill, and compacting. (50 Ft)

Station 1126+75 to 1127+25 RT (north airport driveway)

50 Ft

4010134 Culv, Cl A, 24 inch

Place 24" diameter culvert, including installation, materials, backfill, and compacting. (188 Ft)

Station 1127+80 to 1128+56 LT (DNR office driveway)	76 Ft
Station 1129+63 to 1130+17 LT (south ball field driveway)	54 Ft
Station 1134+31 to 1134+89 RT (Venture Inn driveway)	58 Ft

4010168 Culv, Cl A, Conc, 24 inch

Place 24" diameter concrete cross culvert, including installation, materials, backfill, and compacting. (72 Ft)

Station 1133+00 (cross culvert)

72 Ft

5010002 Cold Milling HMA Surface

Milling the surface 0" to 1 $\frac{1}{2}$ " depth and includes removing, loading, hauling and cleaning the milled surface as shown in the detail drawings.

(1,129 Syd)

Station 1031+55 to 1032+05 LT/RT (POB)	178 Syd
Station 1070+95 to 1071+11, 39' to 47' LT (Sewer Authority)	15 Syd
Station 1081+11 to 1082+15, 22' to 42' RT (Knapp Rd E)	164 Syd
Station 1092+76 to 1093+44, 29' to 37' RT (Questview Dr)	50 Syd
Station 1120+37 to 1120+58, 45' to 53' LT (Welch Rd)	19 Syd
Station 1135+05 to 1136+76 LT/ RT (POE)	703 Syd

5010025 Hand Patch

Haul, place, and compact HMA to patch in base due to replacement of culverts and in front of newly constructed curb on existing HMA approaches. (18 Ton)

Station 1070+70 to 1071+35 LT (Sewer Authority along curb)	3 Ton
Station 1120+10 to 1120+85 LT (Welch Rd along curb)	3 Ton
Station 1132+89 to 1133+11 LT/RT (cross culvert)	12 Ton

5010033 HMA, 13A

Haul, place and compact HMA, 13A at the given rate over existing road as shown on the proposed typical section details, HMA Application Table and HMA Application Estimate. (6,625 Ton)

Yield of 135 pounds per square yard, with RAP – 2,640 Ton

Station 1031+55 to 1118+10 LT	1,050 Ton
Station 1031+55 to 1079+05 RT	570 Ton
Station 1079+05 to 1081+00 RT	30 Ton
Station 1081+00 to 1082+32 RT	25 Ton
Station 1082+32 to 1084+00 RT	25 Ton
Station 1084+00 to 1118+10 RT	410 Ton

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Station 1118+10 to 1120+10 LT Station 1118+10 to 1120+10 RT Station 1120+10 to 1131+25 LT Station 1120+10 to 1131+25 RT Station 1131+25 to 1135+25 LT Station 1131+25 to 1135+25 RT Station 1135+25 to 1135+65 LT Station 1135+25 to 1135+65 RT	30 Ton 30 Ton 160 Ton 160 Ton 70 Ton 65 Ton 8 Ton 7 Ton
Yield of 200 pounds per square yard, no RAP – 3,985 Ton	
Station 1031+55 to 1118+10 LT Station 1031+55 to 1079+05 RT Station 1079+05 to 1081+00 RT Station 1081+00 to 1082+32 RT Station 1082+32 to 1084+00 RT Station 1084+00 to 1118+10 RT Station 1084+00 to 1118+10 RT Station 1118+10 to 1120+10 LT Station 1118+10 to 1120+10 RT Station 1120+10 to 1131+25 LT Station 1120+10 to 1131+25 RT Station 1131+25 to 1135+25 LT Station 1131+25 to 1135+25 RT Station 1135+25 to 1136+15 LT Station 1136+50 to 1136+50 LT Station 1136+50 to 1136+50 RT Station 1136+50 to 1136+76 RT Station 1136+50 to 1136+76 RT	1,550 Ton 850 Ton 45 Ton 35 Ton 40 Ton 610 Ton 40 Ton 240 Ton 240 Ton 100 Ton 95 Ton 25 Ton 10 Ton 10 Ton 10 Ton 15 Ton
5010061 HMA Approach: Haul, place, and compact HMA, 13A w/ 0% RAP at the rate shown. (212 Ton)	
Yield of 200 pounds per square yard paving over existing HMA approach:	
Station 1070+70 to 1071+35, 16' to 47' O/S LT (Sewer Authority) Station 1081+11 to 1082+15, 22' to 42' O/S RT (Knapp Rd E) Station 1092+30 to 1093+90, 16' to 37' O/S RT (Questview Dr) Station 1120+10 to 1120+85, 19' to 53' O/S LT (Welch Rd) Station 1134+35 to 1134+85, 19' to 35' O/S RT (Venture Inn driveway)	13 Ton 17 Ton 21 Ton 16 Ton 8 Ton
Yield of 220 pounds per square yard paving over gravel approach:	
Station 1081+40 to 1082+30, 16' to 186' O/S LT (Knapp Rd W) Station 1113+45 to 1113+71, 16' to 35' O/S RT (Champion Fortune Corporation) Station 1125+70 to 1126+00, 19' to 42' O/S RT (south airport driveway) Station 1126+85 to 1127+15, 19' to 36' O/S RT (north airport driveway) Station 1127+93 to 1128+44, 19' to 36' O/S LT (DNR office driveway) Station 1129+70 to 1130+10, 19' to 58' O/S LT (south ball field) Station 1133+35 to 1133+65, 19' to 36' O/S LT (north ball field driveway) Station 1134+41 to 1134+79, 19' to 35' O/S RT (Venture Inn driveway)	80 Ton 8 Ton 7 Ton 6 Ton 10 Ton 12 Ton 6 Ton 8 Ton

8020016 Curb and Gutter, Conc, Det B2

Prepare the base, install forms, steel reinforcement bars, concrete and curing compound. Curb will be staked by the Engineer.

(744 Ft)

Station 1070+70 to 1071+35, 16' to 47' O/S LT (Sewer Authority)	96 Ft
Station 1081+40 to 1082+30, 16' to 86' O/S LT (Knapp Rd W)	192 Ft
Station 1113+35 to 1113+80, 16' to 35' O/S RT (Champion Fortune Corporation)	64 Ft
Station 1120+10 to 1120+85, 19' to 53' O/S LT (Welch Rd)	88 Ft
Station 1125+70 to 1126+00, 19' to 42' O/S RT (south airport driveway)	48 Ft
Station 1126+85 to 1127+15, 19 to 36' O/S RT (north airport driveway)	48 Ft
Station 1127+90 to 1128+45, 19' to 36' O/S LT (DNR office driveway)	64 Ft
Station 1129+70 to 1130+10, 19' to 36' O/S LT (south ball field driveway)	48 Ft
Station 1133+30 to 1133+70, 19' to 36' O/S LT (north ball field driveway)	48 Ft
Station 1134+35 to 1134+85, 19' to 35' O/S RT (Venture Inn driveway)	48 Ft

Pavt Mrkg Items

Place permanent pavement markings per the applicable Pavement Markings Standard.

8110093 Pavt Mrkg, Polyurea, 6 inch, Crosswalk

(141 Ft)

Station 1136+57 to 1136+65 RT 8' wide 141 Ft

8110114 Pavt Mrkg, Polyurea, 24 inch, Stop Bar

(38 Ft)

Station 1136+50, 12' O/S LT to 26' O/S RT 38 Ft

8110231 Pavt Mrkg, Waterborne, 4 inch, White

(20,830 Ft)

Station 1031+55 to 1081+30 LT Lane Line	4,975 Ft
Station 1031+55 to 1081+05 RT Lane Line	4,950 Ft
Station 1080+71 to 1081+30 RT Turn Lane	59 Ft
Station 1082+32 to 1120+00 LT Lane Line	3,768 Ft
Station 1082+32 to 1092+65 RT Lane Line	1,033 Ft
Station 1093+65 to 1136+15 RT Lane Line	4,250 Ft
Station 1120+70 to 1136+15 LT Lane Line	1,545 Ft
Station 1135+25 to 1136+50, 11' O/S RT Turn Lane	125 Ft
Station 1135+25 to 1136+50 0' O/S Turn Lane	125 Ft

8110232 Pavt Mrkg, Waterborne, 4 inch, Yellow

(9,109 Ft)

Station 1031+55 to 1069+90 Skip	963 Ft
Station 1069+90 to 1081+32 LT Skip / RT Barrier	1,430 Ft
Station 1082+05 to 1097+30 Double Barrier	3,050 Ft
Station 1097+30 to 1114+65 LT Barrier / RT Skip	2,173 Ft
Station 1114+65 to 1131+10 Skip	413 Ft
Station 1131+10 to 1136+50 Double Barrier	1,080 Ft

8110251 Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White (20,830 Ft)

See 8110231 Pavt Mrkg, Waterborne, 4 inch, White for locations

8110252 Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow (9.109 Ft)

See 8110232 Pavt Mrkg, Waterborne, 4 inch, Yellow for locations

8110405 Pavt Mrkg, Polyurea, LT Turn Arrow Sym

(1 Ea)

Station 1136+15, 6' O/S LT

1Ea

8110417 Pavt Mrkg, Polyurea, Thru and Rt Turn Arrow Sym

(1 Ea)

Station 1136+15, 16.5' O/S RT

1 Ea

8110418 Pavt Mrkg, Polyurea, Thru Arrow Sym

(1 Ea)

Station 1136+15, 5.5' O/S RT

1 Ea

8120246 Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp

Place Type R, Tape in accordance with the MDOT Special Detail, PAVE-904-A, Temporary Longitudinal Line Types & Placement. (1,248 Ft)

Station 1031+55 to 1069+90 Single	308 Ft
Station 1069+90 to 1114+65 Double	720 Ft
Station 1114+65 to 1131+10 Single	132 Ft
Station 1131+10 to 1136+50 Double	88 Ft

8167011 Slope Restoration, Modified:

Place topsoil, seed, fertilizer, and mulch at 4" depth and matching outside edge of Shoulder, Cl II per section 816 of the Standard Specifications for Construction, per the Slope Restoration, Modified special provision. (773 Syd)

Station 1113+32 to 1113+84 RT (Champion Fortune Corporation)	89 Syd
Station 1133+26 to 1133+74 LT (north ball field driveway)	89 Syd
Station 1125+61 to 1126+09 RT (south airport driveway)	89 Syd
Station 1126+75 to 1127+25 RT (north airport driveway)	89 Syd
Station 1127+80 to 1128+56 LT (DNR office driveway)	89 Syd
Station 1129+63 to 1130+17 LT (south ball field driveway)	89 Syd
Station 1134+31 to 1134+89 RT (Venture Inn driveway)	89 Syd
Station 1133+00 LT/RT (cross culvert)	150 Syd

Miscellaneous Items

1100001 Mobilization, Max

(1 LSUM)

8120035 Channelizing Device, 42 inch, Fluorescent, Furn

(140 Ea)

8120036 Channelizing Device, 42 inch, Fluorescent, Oper

(140 Ea)

8120140 Lighted Arrow, Type C, Furn

(3 Ea)

8120141 Lighted Arrow, Type C, Oper

(3 Ea)

8120170 Minor Traf Devices

(1 LSUM)

8120350 Sign, Type B, Temp, Prismatic, Furn

(496 Sft)

8120351 Sign, Type B, Temp, Prismatic, Oper

(496 Sft)

8120352 Sign, Type B, Temp, Prismatic, Spec, Furn

(16 Sft)

8120353 Sign, Type B, Temp, Prismatic, Spec, Oper

(16 Sft)

8120370 Traffic Regulator Control

(1 LSUM)