

**GENERAL NOTES:**

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002.

THE WORK INVOLVED ON THIS SECTION CONSISTS OF EARTH EXCAVATION, EMBANKMENT, AN A-3 BITUMINOUS SURFACE TREATMENT ON A 8" SOIL - CEMENT BASE COURSE AND OTHER MISCELLANEOUS ITEMS.

ALL ELEVATIONS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT ALL UTILITIES AFFECTING THE PROJECT, PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS, LICENSES, COSTS, AND PAYMENTS TO GOVERNMENTAL AUTHORITIES FOR THE ISSUANCE OF PERMITS.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.25 GAL/SQ YD
BITUMINOUS MATERIALS (COVER COAT)	0.50 GAL/SQ YD
BITUMINOUS MATERIALS (SEAL COAT)	0.50 GAL/SQ YD
COVER COAT AGGREGATE	25 LBS/SQ YD
SEAL COAT AGGREGATE	25 LBS/SQ YD

**SCHEDULE FOR SUPERELEVATION RATES**

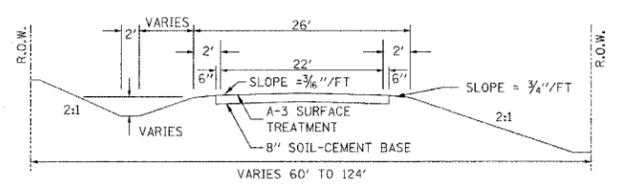
CURVE #	TANGENT RUNOUT BEGINS STA.	S.E. RUNOFF BEGINS STA.	FULL S.E. BEGINS STA.	FULL S.E. ENDS STA.	S.E. RUNOFF ENDS STA.	TANGENT RUNOUT ENDS STA.	S.E. RATE
CURVE #1	52+21.97	52+54.23	53+14.93	54+74.47	55+35.17	55+67.43	0.0294 FT / FT
CURVE #2	55+92.59	56+24.99	56+79.52	58+43.16	58+97.69	59+30.09	0.0263 FT / FT
CURVE #3	59+18.35	59+50.58	61+15.58	67+27.59	68+92.59	69+24.82	0.08 FT / FT
CURVE #4	181+25.63	181+57.86	183+22.86	189+50.55	191+15.55	191+47.78	0.08 FT / FT
CURVE #5	192+48.96	192+81.19	194+46.19	200+75.37	202+40.37	202+72.60	0.08 FT / FT

**SCHEDULE FOR TEMPORARY DITCH CHECKS**

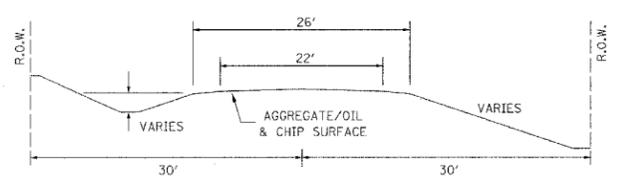
STATION	LOCATION	QUANTITY	STATION	LOCATION	QUANTITY	STATION	LOCATION	QUANTITY
63+30	LT	1.0	35+70	RT	1.0	175+05	RT	1.0
64+05	LT	1.0	36+84	RT	1.0	175+55	RT	1.0
65+23	LT	1.0	53+50	RT	1.0	176+05	RT	1.0
66+17	LT	1.0	54+79	RT	1.0	176+55	RT	1.0
67+11	LT	1.0	56+08	RT	1.0	181+05	RT	1.0
68+05	LT	1.0	57+37	RT	1.0	181+80	RT	1.0
69+00	LT	1.0	58+66	RT	1.0	182+55	RT	1.0
76+24	LT	1.0	59+97	RT	1.0	183+30	RT	1.0
77+16	LT	1.0	61+26	RT	1.0	184+37	RT	1.0
78+08	LT	1.0	62+55	RT	1.0	186+15	RT	1.0
79+00	LT	1.0	63+84	RT	1.0	186+80	RT	1.0
84+00	LT	1.0	65+13	RT	1.0	187+55	RT	1.0
85+22	LT	1.0	66+42	RT	1.0	188+30	RT	1.0
86+44	LT	1.0	67+71	RT	1.0	189+05	RT	1.0
87+66	LT	1.0	69+00	RT	1.0	190+20	RT	1.0
88+88	LT	1.0	76+11	RT	1.0	191+00	RT	1.0
99+00	LT	1.0	77+55	RT	1.0	191+80	RT	1.0
99+78	LT	1.0	79+00	RT	1.0	192+10	RT	1.0
100+56	LT	1.0	113+84	RT	1.0	192+60	RT	1.0
101+34	LT	1.0	114+92	RT	1.0	193+10	RT	1.0
102+30	LT	1.0	116+00	RT	1.0	193+60	RT	1.0
126+00	LT	1.0	126+00	RT	1.0	194+10	RT	1.0
127+11	LT	1.0	127+11	RT	1.0	194+60	RT	1.0
128+38	LT	1.0	128+22	RT	1.0	195+10	RT	1.0
129+33	LT	1.0	129+33	RT	1.0	195+30	RT	1.0
135+00	LT	1.0	140+00	RT	1.0	199+45	RT	1.0
135+50	LT	1.0	140+78	RT	1.0	200+25	RT	1.0
135+96	LT	1.0	141+56	RT	1.0	201+05	RT	1.0
136+50	LT	1.0	142+34	RT	1.0	201+85	RT	1.0
137+00	LT	1.0	143+12	RT	1.0	202+65	RT	1.0
137+50	LT	1.0	143+90	RT	1.0			
164+05	LT	1.0	144+68	RT	1.0			
164+78	LT	1.0	145+46	RT	1.0			
165+51	LT	1.0	146+24	RT	1.0			
166+24	LT	1.0	147+02	RT	1.0			
181+05	LT	1.0	147+80	RT	1.0			
182+05	LT	1.0	148+58	RT	1.0			
183+05	LT	1.0	149+36	RT	1.0			
184+90	LT	1.0	150+65	RT	1.0			
185+50	LT	1.0	152+10	RT	1.0			
186+10	LT	1.0	153+55	RT	1.0			
186+70	LT	1.0	155+00	RT	1.0			
187+80	LT	1.0	159+46	RT	1.0			
188+70	LT	1.0	160+28	RT	1.0			
189+60	LT	1.0	161+10	RT	1.0			
190+20	LT	1.0	161+92	RT	1.0			
191+00	LT	1.0	162+10	RT	1.0			
191+80	LT	1.0	163+10	RT	1.0			
192+10	LT	1.0	164+10	RT	1.0			
192+60	LT	1.0	165+10	RT	1.0			
193+10	LT	1.0	166+10	RT	1.0			
193+60	LT	1.0	167+72	RT	1.0			
194+10	LT	1.0	168+40	RT	1.0			
195+90	LT	1.0	169+10	RT	1.0			
197+45	LT	1.0	169+80	RT	1.0			
197+80	LT	1.0	170+50	RT	1.0			
199+25	LT	1.0	171+20	RT	1.0			
200+95	LT	1.0	172+00	RT	1.0			
201+53	LT	1.0	172+80	RT	1.0			
202+25	LT	1.0	174+05	RT	1.0			
202+35	LT	1.0	174+55	RT	1.0			

TOTAL = 152.0 EACH

**TYPICAL CROSS SECTION PROPOSED**



**TYPICAL CROSS SECTION EXISTING**



**SCHEDULE FOR SIGNS AND POSTS**

STA.	LOC.	MUTCD CODE	STYLE	SIZE	SO FT	LENGTH	
0-481	18.25' RT	W3-1A	STOP AHEAD	36" X 36"	9.00	12.50	
0-31	18.25' RT	R1-1	STOP	30" X 30"	6.25	11.00	
0-31	18.25' RT	R1-4	ALL WAY	18" X 6"	0.75	-	
0-18	503' LT	W3-1A	STOP AHEAD	36" X 36"	9.00	13.00	
0-18	53' LT	R1-1	STOP	30" X 30"	6.25	11.00	
0-18	53' LT	R1-4	ALL WAY	18" X 6"	0.75	-	
0+14	484' RT	W3-1A	STOP AHEAD	36" X 36"	9.00	13.50	
0+14	34' RT	R1-1	STOP	30" X 30"	6.25	11.25	
0+14	34' RT	R1-4	ALL WAY	18" X 6"	0.75	-	
0+49	18.25' LT	R1-1	STOP	30" X 30"	6.25	11.50	
0+49	18.25' LT	R1-4	ALL WAY	18" X 6"	0.75	-	
4+99	18.25' LT	W3-1A	STOP AHEAD	36" X 36"	9.00	12.50	
64+05	40' LT	R1-1	STOP	30" X 30"	6.25	13.50	
64+22	SR LT	W3-1A	STOP AHEAD	36" X 36"	9.00	12.25	
					TOTAL	79.25	122.00

**UTILITIES:**

JULI.I.E. 1-800-892-0123

TRI-COUNTY ELECTRIC COOP  
618-244-5151

WAYNE-WHITE ELECTRIC COOP  
888-871-7695

HAMILTON COUNTY TELEPHONE  
618-736-2214

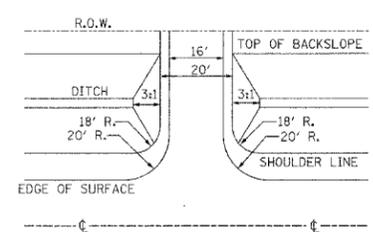
HAMILTON COUNTY WATER DISTRICT  
618-643-4744

COUNTRY MARK COOP  
812-838-8500

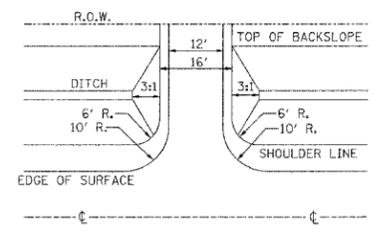
**FURNISHING & ERECTING RIGHT-OF-WAY MARKERS**

STATION	LOCATION	QUANTITY
60+60.58	RT	1.0
67+82.89	RT	1.0
182+67.86	LT	1.0
190+05.56	LT	1.0
193+91.19	RT	1.0
201+30.38	RT	1.0
		TOTAL = 6.0 EACH

**SIDEROAD DETAIL**



**FIELD ENTRANCE DETAIL**



**CONSTRUCT STONE RIPRAP DITCH**

CONSTRUCT SPECIAL DITCH

STA 18+00 TO STA 23+00 LT
STA 35+00 TO STA 41+00 RT
STA 38+00 TO STA 41+00 LT
STA 52+00 TO STA 69+00 RT
STA 62+50 TO STA 64+06.1 LT
STA 64+39.2 TO STA 69+00 LT
STA 75+00 TO STA 79+00 LT & RT
STA 84+00 TO STA 90+00 LT
STA 99+00 TO STA 103+00 LT
STA 113+00 TO STA 116+00 RT
STA 114+75 TO STA 115+50 LT
STA 126+00 TO STA 130+00 LT & RT
STA 135+00 TO STA 138+00 LT
STA 140+00 TO STA 155+00 RT
STA 145+00 TO STA 148+00 LT
STA 159+00 TO STA 178+00 RT
STA 164+00 TO STA 167+00 LT
STA 181+00 TO STA 186+23 RT
STA 181+00 TO STA 197+47 LT
STA 186+75 TO STA 202+50 RT
STA 197+75 TO STA 202+50 LT

CONSTRUCT STONE RIPRAP DITCH

STA 19+67 TO STA 19+77 LT (0.48 TON/LIN FT)
STA 102+25 TO STA 102+50 LT (0.48 TON/LIN FT)
STA 115+02 TO STA 115+07 LT & RT (0.48 TON/LIN FT)
STA 115+51 TO STA 115+56 LT & RT (0.48 TON/LIN FT)
STA 135+00 TO STA 135+25 LT (0.48 TON/LIN FT)
STA 138+31 TO STA 138+41 LT (0.48 TON/LIN FT)
STA 140+78 TO STA 140+83 LT (0.48 TON/LIN FT)
STA 141+27 TO STA 141+77 LT (0.48 TON/LIN FT)
STA 145+00 TO STA 145+25 LT (0.48 TON/LIN FT)
STA 161+95 TO STA 162+05 LT & RT (0.48 TON/LIN FT)
STA 167+60 TO STA 167+70 LT (0.48 TON/LIN FT)
STA 173+98 TO STA 174+08 LT (0.48 TON/LIN FT)
STA 186+70 TO STA 186+80 LT & RT (0.48 TON/LIN FT)
STA 190+00 TO STA 190+25 LT (0.48 TON/LIN FT)
STA 192+00 TO STA 192+25 LT (0.48 TON/LIN FT)
STA 200+75 TO STA 201+00 LT (0.48 TON/LIN FT)
STA 202+24 TO STA 202+34 LT & RT (0.48 TON/LIN FT)
STA 19+71 TO STA 19+81 RT (0.48 TON/LIN FT)
STA 138+08 TO STA 138+18 RT (0.48 TON/LIN FT)
STA 140+00 TO STA 140+25 RT (0.48 TON/LIN FT)
STA 144+00 TO STA 144+25 RT (0.48 TON/LIN FT)
STA 167+63 TO STA 167+73 RT (0.48 TON/LIN FT)
STA 171+00 TO STA 171+25 RT (0.48 TON/LIN FT)
STA 173+98 TO STA 174+28 RT (0.48 TON/LIN FT)
STA 181+00 TO STA 181+25 RT (0.48 TON/LIN FT)
STA 190+00 TO STA 190+25 RT (0.48 TON/LIN FT)
STA 192+00 TO STA 192+25 RT (0.48 TON/LIN FT)
STA 194+00 TO STA 194+25 RT (0.48 TON/LIN FT)
STA 202+04 TO STA 202+50 RT (0.48 TON/LIN FT)

273 TON STONE RIPRAP DITCH ALLOWED IN PROPOSAL.

SEE SHEET NO. 3 FOR STONE RIPRAP DITCH DETAIL.

**SCHEDULE OF SIDEROAD, FIELD & PRIVATE ENTRANCES**

STATION	LOCATION	TYPE	PROPOSED PIPE	PROPOSED LENGTH	CLSM (CY)	STATION	LOCATION	TYPE	PROPOSED PIPE	PROPOSED LENGTH	CLSM (CY)
13+47	LT	FE	15" EGRS CL D	28	-	2+41	RT	PE	12" CL D	24	-
51+65	LT	PE	15" EGRS CL D	28	-	13+19	RT	FE	15" EGRS CL D	26	-
56+67	LT	FE	15" CL D	30	-	26+52	RT	FE	15" CL D	28	-
64+22	LT	SR	NONE	-	-	33+85	RT	FE	12" CL D	24	-
75+67	LT	PE	18" EGRS CL D	30	-	35+50	RT	FE	15" CL D	28	-
82+78	LT	FE	15" EGRS CL D	26	-	39+25	RT	FE	15" EGRS CL D	26	-
102+10	LT	FE	15" EGRS CL D	28	-	56+71	RT	PE	15" CL D	28	-
115+29	LT	SR	24" EGRS CL A	32	6.80	72+44	RT	FE	18" CL D	32	-
128+18	LT	FE	15" EGRS CL D	26	-	82+83	RT	FE	15" EGRS CL D	28	-
136+16	LT	FE	15" EGRS CL D	28	-	103+11	RT	FE	NONE-SUMMIT	-	-
138+60	LT	FE	30" EGRS CL D	32	-	105+11	RT	FE	15" EGRS CL D	28	-
141+06	LT	SR	24" EGRS CL A	32	4.60	115+28	RT	SR	24" EGRS CL A	32	6.80
144+38	LT	FE	24" EGRS CL D	34	-	136+18	RT	FE	36" EGRS CL D	34	-
148+55	LT	PE	15" EGRS CL D	26	-	141+03.5	RT	FE	15" CL D	30	-
154+56	LT	FE	15" EGRS CL D	26	-	154+80	RT	FE	15" EGRS CL D	26	-
174+63	LT	FE	24" CL D	34	-	167+52	RT	SR	NONE	-	-
194+99	LT	FE	NONE-SUMMIT	-	-	186+37	RT	FE	NONE	-	-
197+61	LT	PE	NONE	-	-						

**SCHEDULE OF ACROSS ROAD PIPE CULVERTS, CLASS A, TYPE 1**

STATION	SIZE	SKEW
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