



DETAIL SHOWING BASE REPLACEMENT (B-71) OVER TRENCHES OPENED TO CONSTRUCT PIPE CULVERTS In lieu of the provisions of Sec. B-71.02 and Sec. B-71.03, reinforcing steel shall be 1/2" bars placed as shown above.

SUMMARY OF QUANTITIES ROADWAY

ITEM	F.A.P. 519-G			F.A.P. 519-A RE		TOTAL F.A.P. 519-G & RE	F.A.P. 277 RE	GRAND TOTAL	UNITS
	Village	Township							
E-1 Roadway Excavation (Unclassified)	756	610		610		610		1360	Cu. Yds.
E-2 Removal and Disposal of existing pavement (estimated)	160	367.89	134.66	502.55		502.55	133.33	795.9	Sq. Yds.
E-10 Sealing (cut) of Existing Pavement edge	63.93	522.5		522.5		522.5		12,113	Lin. Ft.
E-205 Finishing Shoulders, Slopes and Ditches including 4" of loam	3527	5225		5225		5225		3252	Lin. Ft.
E-206 Removal and Disposal of Existing Conc. Curb and Gutter	91.95	541.3	141.6	632.9		632.9		14,024	Lin. Ft.
E-208 Removal and Disposal of Existing Concrete Curb	84	192	140	332		332	264	660	Lin. Ft.
I-8 Standard No. 1 Manholes								11	Units
I-8 Manholes Rebuilt	11.9	17		17		17		36	Units
I-8 Standard No. 4 Catch Basins using existing castings and omitting cast iron traps	17	8		8		8		15	Units
I-8 Standard No. 4 Catch Basins omitting cast iron traps		2	9	11		11		11	Units
I-8 Valve Boxes Reset	13	2		2		2		15	Units
I-8 Resetting Manhole Castings	23	13	8	26	13	46		62	Units
I-8 Resetting Catch Basin Castings	12	14	11	35	22	59		59	Units
I-8 Monument Boxes Reset	2	1	2	3		3		5	Units
I-8 Rebuilding Brick Valve Vaults		4		4		4		4	Units
I-13 4" Concrete Sidewalk (one course construction)	100							100	Sq. Ft.
S-22 Removal of 17 Existing Catch Basins (519-6-7) (519-A Re=10" Vill=8" Twp=2)	Lump			Lump		Lump		Lump	Lump
Special Removing and Resetting Fire Hydrants (1 moved 40) (4 moved 2)	4	1						5	Units
PAVEMENT									
B-11 1" Insulation Course	2342.45	1990.45		1990.45		1990.45		4332.9	Sq. Yds.
B-50 Hot-Mixed, Hot-Laid Asphaltic Concrete Leveling Course	748.21	760.87	359	1119.82	477	2345.08		2345.08	Cu. Yds.
B-50 3" Hot-Mixed, Hot-Laid Asphaltic Concrete Base Course	195.21	165.87		165.87		165.87		361.08	Cu. Yds.
B-70 7" Portland Cement Concrete Base Course (Replacement)	160	287.0	85.55	372.55	133.33	665.88		665.88	Sq. Yds.
T-30 Bituminous Prime Coat (Sec. M-5.7 AE-3) @ 0.2 gal. per sq. yd. including sand cover	5240	6000	3702	9702	5076	20,018		20,018	Gals.
T-40 3/4" Rock Asphalt Wearing Course	1133	1236	719	1955	978	4066		4066	Tons
T-50 1" Hot-Mixed, Hot-Laid Asphaltic Concrete Binder Course	29,447.45	32,091.14	13,684.90	59,776.04	25,396.69	105,620.13		105,620.13	Sq. Yds.
I-11 6"x18" Sandstone Curb Straight Berea or Amherst or equal	6695	7113		7113		13,813		13,813	Lin. Ft.
I-11 6"x18" Sandstone Curb Circular Berea or Amherst or equal	76			76		76		76	Lin. Ft.
I-11 Granite Curb Dressed and Reset	48			48		48		48	Lin. Ft.
I-12 Type 1A Straight Concrete Curb (including dowel holes and dowel bars)	84	168	164	332	264	650		650	Lin. Ft.
I-12 Type G-A Concrete Curb (Straight)	436	288	454	742		1178		1178	Lin. Ft.
B-71 7" Reinforced Portland Cement Concrete Base Course		13	117	130		130		130	Sq. Yds.
STRUCTURES 20' SPAN AND UNDER									
E-2 Excavation for Structures (Unclassified)		9.3	83.7	93		93		93	Cu. Yds.
S-27 12" Vitrified Sewer Pipe (enc) for Roadway Culverts		20	130	200		200		200	Lin. Ft.

SUMMARY OF CONCRETE CURB REPLACEMENT

FROM STA. TO STA.	RO R L OF	COMB. CURB 1/4" NEW CONC. CURB 5/8" B-50 BASE COURSE GUTTER REMOVED TYPE 6A 14" WIDE	LIN. FEET	INCLUDING FINE GR. SQ. YDS.
1+72	R		6	0.78
4+01	R		6	0.78
4+18	L		18	2.34
4+74	L		42	5.46
4+86	R		6	0.78
5+34	L		12	1.56
5+71	L		18	2.34
6+05	L		71	9.23
6+94	L		30	3.90
7+62	L		30	3.90
8+14	R		3	0.39
8+31	R		3	0.39
10+38	R		6	0.78
11+82	R		12	1.56
14+29	R		12	1.56
15+32	R		6	0.78
17+14	L		12	1.56
18+50	R		12	1.56
19+12	L		24	3.12
19+56	L		12	1.56
19+80	R		6	0.78
20+00	L		12	1.56
20+16	R		5	0.65
20+21	R		5	0.65
TOTAL 519 G.			364	47.32
117+30	L		18	2.34
119+56	L		12	1.56
119+76	L		6	0.78
120+27	L		12	1.56
121+37	L		12	1.56
122+50	L		30	3.90
123+30	L		5	0.65
125+78	L		12	1.56
126+05	L		4	0.52
126+23	L		67	8.71
128+18	L		12	1.56
129+74	L		6	0.78
130+40	L		6	0.78
130+70	L		6	0.78
130+84	L		6	0.78
131+50	L		6	0.78
131+78	L		12	1.56
134+95	L		20	2.60
136+00	L		12	1.56
137+00	L		6	0.78
138+52	L		36	4.68
139+06	L		6	0.78
139+73	L		8	1.04
140+70	L		6	0.78
141+55	L		7	0.91
141+91	L		12	1.56
142+10	L		18	2.34
145+58	L		6	0.78
146+26	L		10	1.30
146+95	L		10	1.30
147+23	L		6	0.78
148+45	L		6	0.78
149+67	L		6	0.78
149+74	L		6	0.78
150+05	L		6	0.78
150+47	L		6	0.78
150+65	L		20	2.60
151+00	L		5	0.65
152+30	L		24	3.12
155+10	L		18	2.34
157+00	L		28	3.64
159+85	L		12	1.56
160+64	L		6	0.78
161+72	L		3	0.39
161+95	L		5	0.65
162+34	L		6	0.78
163+95	L		15	1.95
174+75	L		18	2.34
177+46	L		6	0.78
178+36	L		6	0.78
TOTAL 519 A-RE			538	77.74
TOTAL 277-RE			0	0.00
GRAND TOTAL			962	125.06

Note: The above quantities are an addition to those in table on sheet 21

B-70

SUMMARY OF 7" CONCRETE BASE REPLACEMENT (Patches)

From Sta. (A) To Sta.	From (B) Ft. Ror. Lof E	To (C) Ft. Ror. Lof E	(A) Length	(B) Width	Sq. Yds.	
0+09	0+15	2.0 L	10.0 L	6	8	5.33
7+29	7+38	11.0 L	13.0 L	9	8	8.00
11+74	11+95	12.0 R	13.0 R	21	7	16.33
12+19	12+32	5.0 L	10.0 L	13	5	7.22
12+91	13+21	17.0 R	19.0 R	30	7	23.33
14+28	14+88	12.0 R	13.0 R	60	7	46.67
19+48	19+66	13.0 R	13.0 R	18	6	12.00
19+49	19+62	2.0 L	19.0 L	13	17	24.66
39+80	40+0	12.0 R	19.0 R	20	7	15.66
42+15	42+18	3.0 L	6.0 L	3	3	1.00
TOTAL 519 G					160.00	
SQ. YDS.						
66+24	66+34	6.0 L	19.0 L	10	13	14.44
66+82	66+88	2.0 R	6.0 L	6	8	5.34
73+08	73+17	5.0 L	8.0 L	9	3	3.00
75+75	76+25	2.0 R	17.0 L	100	19	211.11
80+20	80+23	17.0 R	20.0 R	3	3	1.00
92+23	92+33	2.0 R	17.0 L	10	19	21.11
97+0	97+12	6.0 L	17.0 L	12	11	14.67
100+0	100+20	11.0 L	17.0 L	20	6	13.33
114+16	114+29	2.0 R	7.0 L	3	9	3.00
114+82	114+89	2.0 R	17.0 L	7	13	14.78
117+32	117+41	6.0 L	10.0 L	9	4	4.00
123+31	123+36	E	20.0 R	5	20	11.11
126+14	126+174	2.0 R	17.0 L	10	19	21.11
135+42	135+50	2.0 R	17.0 L	8	19	16.88
145+57	145+67	8.0 L	17.0 L	10	9	10.00
146+63	146+68	E	9.0 R	5	9	5.00
174+50	174+56	14.0	18.0	6	4	2.67
TOTAL 519 A-RE					372.55	
SQ. YDS.						
206+90	207+50	10.0 R	10.0 L	60	20	133.33
TOTAL 277 RE					133.33	
SQ. YDS.						
GRAND TOTAL 519G-519A-RE-277 RE. SQ. YDS.					665.88	

SUMMARY OF INTEGRAL CONCRETE CURB REPLACEMENT

FROM STA. TO STA.	RO R L OF	INTEGRAL CONC. CURB REMOVED AND DISPOSED LIN. FT.	NEW CONC. CURB 1A SPECIAL LIN. FT.	DOWEL HOLES LIN. FT.	REINFORCING STEEL LBS.
35+85	R	6.0	6.0	2	3.19
63+20	R	6.0	6.0	2	3.19
TOTAL 519 G		12.0	12.0	4	6.38
64+90	R	6.0	6.0	2	3.19
66+0	R	6.0	6.0	2	3.19
78+87	R	3.0	3.0	1	1.56
79+19	R	4.0	4.0	1.5	2.34
79+79	R	4.0	4.0	1.5	2.34
120+53	R	3.0	3.0	1	1.56
123+25	R	10.0	10.0	2.5	3.91
146+63	R	5.0	5.0	1.5	2.34
160+45	R	15.0	15.0	4.0	6.25
TOTAL 519 A-RE		56.0	56.0	17.0	26.56
TOTAL 277-RE		0.0	0.0	0.0	0.0
GRAND TOTAL		68.0	68.0	21.0	32.82

Note: The above quantities are an addition to those in table on sheet 21

SUMMARY EXCAV. EMBANKMENT & LOAM.					
FROM STA.	TO STA.	RO R L	CUBIC YARDS EXC. EMB. LOAM		
20+75	30+64	R+L	210	23	69
38+62	64+0	R+L	546	88	190
TOTAL 519 G			756	116	259
64+0	117+40	L	610	90	232
TOTAL 519 A-RE			610	90	232
GRAND TOTAL			1366	206	491