

ENTRANCE APPROACH IMPROVEMENTS (A)

STATION	LOC	ADDRESS	EXISTING CULVERT (2)		REMOVE		SALVAGE AND INSTALL APRON EACH	FURNISH AND INSTALL							
			SIZE	TYPE	CULV. LIN. FT	APRON EACH		REPLACE LIN. FT.	EXT. LT LIN. FT.	EXT. RT LIN. FT.	APRONS		EMBANKMENT		
											15'	OTHER	LEFT (CY)	RIGHT (CY)	
3+28	LT	PROGRESS RD	N/A										0.0	0.0	
3+28	RT	PROGRESS RD	N/A										0.0	0.0	
4+58	RT	1740	N/A										0.0	0.0	
5+00	LT	1745	N/A										0.0	0.0	
6+37	RT	1744	N/A										0.0	0.0	
6+81	LT	1759	N/A										0.0	0.0	
7+94	RT	1764	N/A										0.0	0.0	
8+37	RT	CEN TREE FAR	N/A										0.0	0.0	
10+38	LT	1781	N/A										0.0	0.0	
11+89	LT	CEMETARY	N/A										0.0	0.0	
11+95	RT	1798	15'x28'	CMP		0	2		10	10			1.5	2.0	
13+17	LT	MILL ROAD	18'x36'	SMP		0	2		4	4			0.5	0.5	
13+20	RT	1798	15'x30'	CMP		0	2		4	8			0.5	1.0	
14+38	RT	1810	15'x29'	CMP		0	1		10	4	1		2.0	0.5	
14+90	LT	TRIPPELS	15'x31'	SMP		0	1		12	8	1		2.0	1.5	
15+55	RT	1824	15'x26'	CMP		0	2		6	4			0.5	0.5	
17+38	RT	1832	15'x33'	CMP		0	2		8	6			1.0	0.5	
18+69	RT	1844	15'x30'	CMP		0	2		8	4			1.0	0.5	
20+13	RT	1858	15'x28'	CMP		0	2		4	0			0.5	0.0	
20+64	LT	PETERSON	15'x45'	CMP	45	0			66	0	2		2.5	3.0	
21+42	RT	1862	15'x30	SMP		0			8	4	2		2.5	1.0	
23+53	LT	1873	N/A						0	0			0.0	0.0	
24+52	LT	SHAD AVE.	N/A						0	0			0.0	0.0	
28+23	LT	BRIAN DR.	24'x91'	SMP		0			4	0		2	2.5	0.0	
28+23	RT	BRIAN DR.	15'x51'	CMP		0	1		0	0	1		0.0	0.0	
31+78	RT	F. ENT	15'x22'	CMP		0	2		4	6			0.5	0.5	
33+61	LT	1969	15'x18'	CMP		0			6	6	2		0.5	0.5	
35+12	LT	1973	N/A						0	0			0.0	0.0	
35+18	RT	OLSON'S	15'x27'	CMP		0	2		4	6			0.5	0.5	
36+02	LT	1976	N/A						0	0			0.0	0.0	
36+23	RT	1988	N/A						0	0			0.0	0.0	
37+10	LT	1979	N/A						0	0			0.0	0.0	
37+42	RT	TEXACO	15'x48'	CMP		0	1		8	10	1		1.5	1.0	
37+30	LT	1990	N/A						0	0			0.0	0.0	
39+60	LT	20TH AVE	36'x69'	RCP		0	2		14	20			10.5	18.0	
39+60	RT	20TH AVE	18'x69'	CMP		0	2		14	10			9.0	6.5	
52+81	RT	21ST AVE	N/A						0	0			0.0	0.0	
53+31	LT	F. ENT	15'x29'	CMP		0	1		2	4	1		0.5	0.5	
53+31	RT	F. ENT	N/A						0	0			0.0	0.0	
68+17	RT	OTTER LAKE	N/A						0	0			0.0	0.0	
70+84	LT	F. ENT	15'x29'	CMP		0	2		2	0			0.5	0.0	
71+08	RT	F. ENT	15'x29'	CMP		0	2		0	2			0.0	0.5	
75+22	RT	2290	15'x30'	CMP		0	2		6	6			1.5	1.0	
75+72	RT	2290	15'x30'	CMP		0	2		8	8			1.0	3.0	
78+83	RT	F. ENT	N/A						0	0			0.0	0.0	
78+84	LT	2309	N/A						0	0			0.0	0.0	
79+69	LT	2325	15'x32'	CMP		0	2		10	8			3.0	3.5	
80+24	LT	2325	15'x43'	CMP		0			14	12	1		6.0	5.5	
86+60	LT	2373	18'x47'	CMP		0			12	14		1	3.0	5.0	
TOTALS					45	0	34		66	182	164	12	3	55.0	57.0

(1) EARTHWORK SUMMARY:

COMMON BORROW (LV) = EMBANKMENT x 1.5 = (55.0 + 57.0) x 1.5 = 168.00 CU. YD.

(2) CMP DESIGNATES METAL PIPE WITH A STANDARD 2-2/3' x 1/2' CORRUGATION. SMP DESIGNATES METAL PIPE WITH A SPIRAL CORRUGATION.

NOTE: ENTRANCE APPROACHES SCHEDULED FOR IMPROVEMENTS SHALL BE FLATTENED TO 6:1 SLOPES.

MAILBOX SUPPORT CHART (B)

STATION	LOCATION	ADDRESS	RELOCATE
0+00	21.4' LT	1709, ?	2
3+62	21.0' RT	1724/1737/7085	3
5+00	21.5' RT	1740/1742/1744	3
7+57	22.0' RT	1759/1764	2
10+45	26.0' RT	1781	1
12+95	26.0' RT	1798	1
14+70	29.0' RT	1810	1
15+90	28.0' RT	1824	1
17+14	28.0' RT	1832	1
18+50	28.5' RT	1844	1
20+26	30.0' RT	1858	1
21+17	30.0' RT	1862	1
23+29	28.5' RT	1873	1
33+52	26.5' RT	1969	1
35+42	27.0' RT	1973	2
35+96	29.0' RT	1979/1976/1988	3
38+06	25.5' RT	1981/1990	2
75+98	24.5' RT	2290	1
78+40	24.0' RT	2309	1
80+11	25.0' RT	2325	1
86+43	25.0' RT	2373	1
TOTALS			31

MISCELLANEOUS REMOVAL CHART (C)

STATION	LOCATION	ITEM	REMARKS
		HYDRANT	
		(EA)	
TOTAL		NONE	

TURF ESTABLISHMENT (D)

STATION	LOC	SEEDING	SEED MIX 700	SODDING TYPE ERSION CONTROL	MULCH MATERIAL TYPE 1	DISK ANCHORING	COMMERCIAL FERTILIZER ANALYSIS 10-10-10	POLYPROPYLENE PLASTIC NETTING
		SQ YD	LB.	SQ. YD.	TON	SQ YD	LB.	SQ. YD.
4+58	RT			27			2.8	
6+38	RT			14			1.4	
11+90	LT			16			1.7	
11+95	RT			75			7.7	
13+17	LT			64			6.6	
13+20	RT			66			6.8	
14+38	RT			74			7.6	
14+90	LT			76			7.9	
15+55	RT			58			6.0	
17+38	RT			66			6.8	
18+69	RT			63			6.5	
20+13	RT			55			5.7	
20+64	LT	76	0.6		0.03		7.9	76
21+42	RT			132			13.6	
28+23	LT			261			27.0	
28+23	RT			109			11.3	
31+78	RT	43	0.3		0.02		4.4	43
33+61	LT			33			3.4	
35+18	RT			46			4.8	
37+42	RT			47			4.9	
39+60	LT			204			21.1	
39+60	RT	197	1.4		0.08		20.4	197
52+81	RT	78	0.6		0.03		8.1	78
53+31	LT	62	0.5		0.03		6.5	62
53+31	RT	46	0.3		0.02		4.8	46
68+17	RT	235	1.7		0.10		24.3	235
70+84	LT	41	0.3		0.02		4.2	41
71+08	RT	44	0.3		0.02		4.5	44
75+22	RT	81	0.6		0.03		8.4	81
75+72	RT	103	0.7		0.04		10.6	103
78+83	RT	54	0.4		0.02		5.6	54
79+69	RT			89			9.2	
80+24	RT			113			11.7	
86+60	RT			133			13.7	
TOTALS		1060	7.7	1821	0.44	0	297.9	1060

BITUMINOUS MILLING (E)

STATION	LOC	AREA(SY)	REMARKS
0+00 TO 0+20	LT & RT	89	TOUCHDOWN POINT, 20' FULL WIDTH
40+50	RT	89	20' WIDTH ACROSS CSAH 21
40+50	RT	89	20' WIDTH ACROSS CR 54
40+50	LT	89	20' WIDTH ACROSS CSAH 21
60+31 TO 61+89	RT	105	6' WIDTH ALONG SB ENTRANCE RAMP
60+31 TO 61+89	LT	105	6' WIDTH ALONG SB EXIT RAMP
63+45	LT & RT	19	6' WIDTH AT BRIDGE APPROACH
66+17	LT & RT	19	6' WIDTH AT BRIDGE APPROACH
67+73 TO 69+31	RT	105	6' WIDTH ALONG NB EXIT RAMP
67+73 TO 69+31	LT	105	6' WIDTH ALONG NB ENTRANCE RAMP
71+22 TO 71+62	RT	89	20' WIDTH ACROSS CR 84
93+93	LT & RT	96	TOUCHDOWN POINT, 20' FULL WIDTH
TOTALS		999	

TABULATED QUANTITIES