Fed. Project No. _____

ENTRANCE APPROACH IMPROVEMENTS (A)

STATION	LOC	ADDRESS	EXISTING CULVERT (2) SIZE	EXISTING CULVERT (2) TYPE	REMOVE CULV LIN.FT	REMOVE APRON EACH	SALVAGE AND INSTALL APRON EACH	FURNISH AND INSTALL REPLACE LIN.FT	EXT.LT LIN.FT	EXT.RT LIN.FT.	APRONS 15'	APRONS 18'	EMBANKMENT LEFT(CY)	EMBANKMENT RIGHT(CY)
2+29	RT	F.ENT	15"x24'	CMP	24			36			2		1.5	1.0
7+80	LT	F.ENT	15"x34'	CMP						4	2			1.0
8+39	LT	1535	15"x34'	CMP							2		0.5	
9+03	RT	F.ENT	15"x32'	CMP					6	4	2		1.0	1.0
9+27	LT	1543	15"x36'	CMP	36			36			2		0.5	
10+63	RT	1562	15"x34'	CMP					6	6	2		1.5	1.0
11+11	LT	1555	15"x34'	CMP	34			34			2			
11+56	LT	1555	15"x37'	CMP	37			42			2		0.5	0.5
12+80	RT	1562	15"x39'	CMP	39			56			2		4.0	1.5
13+71	LT	1623	15"x30'	CMP	30			30			2		0.5	
14+95	RT	1562	15"x37'	CMP	37			54			2		5.5	2.5
15+21	LT	1655	N/A											
16+28	RT	ABAND. DRIVE	15"x34'	CMP					8	10	2		7.0	5.0
17+57	LT	1655	15"x36'	CMP	36			36			2			
24+76	RT	1788	15"x51'	CMP					12	8	2		13.5	6.0
25+10	LT	1809	N/A											
27+68	LT	1835	15"x35'	CMP					2	8	2		1.0	1.5
29+00	RT	1848	N/A											
29+63	LT	ISANTI RD	15"x47'	CMP									1.5	0.5
31+97	LT	1861	N/A								2			
32+44	RT	1918	15"x36'	CMP										
32+43	LT	1911	15"x30'	CMP						4	2		0.5	1.5
33+15	LT	F.ENT	15"x29'	CMP						6	2			1.5
34+79	LT	1923	15"x36'	CMP							2			
40+00	RT	2010	15"x34'	CMP							2			
41+88	RT	2042	N/A						6	6	2		3.5	2.0
45+30	RT	2104	15"x29'	CMP									1.5	5.0
50+52	RT	2152	15"x48'	CMP					2		2		0.5	
52+80	RT	2206	15"x29'	CMP					10	12	2		5.0	6.5
53+94	RT	2220	15"x30'	CMP							2		0.5	1.0
54+55	LT	2219	15"x30'	SMP							2		0.5	0.5
54+90	LT	2251	15"x31'	SMP		2				6	2			2.0
54+90	RT	DRIVE	15"x30'	CMP	30			30		4			0.5	1.0
55+56	RT	2246	N/A								2			
58+95	LT	ROCHESTER ST	15"x62'	SMP										
62+73	LT	2353	15"x30'	SMP		2			8	10	2			
63+62	LT	2385	15"x29'	SMP		2			6	6			3.0	4.0
65+36	LT	2403	N/A										2.0	2.0
67+15	LT	2419	15"x36'	CMP						4	2			1.0
67+94	RT	F.ENT	N/A										2.0	3.5
69+84	LT	F.ENT	15"x32'	CMP					2		2		0.5	1.5
74+39	RT	2522	15"x29'	CMP					8	14	2		4.0	12.5
74+60	LT	F.ENT	15"x34'	CMP										
78+84	RT	CTY RD 68	N/A											
84+05	LT	2665	15"x35'	CMP	35			36			2			
85+26	RT	2670	N/A											
85+67	RT	2736	15"x30'	CMP					4		2		1.0	0.5
85+98	LT	CTY RD 15	N/A											
STATION EQUATION: STA 86+25 AHEAD = STA 0+00 BEHIND														
2+70	RT	2740	15"X38'	CMP	38			38			2			
2+84-6+38	LT	E.B.F.D.	N/A											
6+49	RT	2810	N/A										2.5	2.5
8+11	LT	2817	15"x40'	CMP						4	2		0.5	1.5
8+12	RT	2980												
10+33	LT	2849	15"x30'	CMP					4	6	2		1.0	3.0
11+18	LT	2903	15"x31'	CMP					4	10	2		1.5	5.5
12+14	LT	2903	15"x30'	CMP					6	10	2		2.5	6.5
14+03	LT	2913	N/A											
15+63	LT	2929	15"x31'	CMP					6	8	2		2.5	3.0
16+60	RT	F.ENT	15"x31'	SMP										
17+00	LT	2929	15"x36'	CMP					4		2		2.0	0.5
17+49	LT	F.ENT	15"x36'	CMP					2	4	2		0.5	2.0
20+13	RT	3014	15"x34'	CMP	34			42			2		5.0	1.0
23+17	RT	3120	15"x30'	CMP							2			0.5
30+00	LT	3152	15"x37'	CMP					2	10	2		0.5	2.0
30+51	LT	3152	15"x35'	CMP					10	12	2		2.5	5.5
30+84	RT	F.ENT	N/A											1.5
32+06	RT	3158	N/A											
33+15	LT	F.ENT	15"x29'											
33+25	LT	3211	15"x31'						6	6	2		1.5	2.0
33+99	RT	F.ENT	N/A											
36+88	LT	LEYTE ST	15"x49'	CMP										
38+26	RT	F.ENT	N/A											
39+05	LT	ALLEN'S MKT	15"x45'	CMP					4		2		1.0	
41+44	LT	3301	N/A											
41+78	RT	3304	N/A											
46+20	LT	F.ENT	N/A											
46+38	RT	3356	15"x30'	CMP							2			
49+40	RT	NAPLES ST	N/A											
52+88	RT	3450	N/A											
55+33	RT	3502	N/A											
56+99	RT	3518	N/A											
58+54	RT	3530	N/A										1.0	2.0
58+50	LT	3551	N/A											
61+67	RT	RENDOVA ST	N/A											
63+74	RT	3608	15"x31'	CMP					4		2		1.5	0.5
64+77	RT	3634	15"x29'	CMP					6	8	2		3.0	4.0
66+20	RT	3660	15"x30'	CMP					4	6	2		1.5	2.0

ENTRANCE APPROACH IMPROVEMENTS (A)

STATION	LOC	ADDRESS	EXISTING CULVERT SIZE	EXISTING CULVERT TYPE	REMOVE CULV. LIN.FT	REMOVE APRON EACH	SALVAGE AND INSTALL APRON EACH	FURNISH AND INSTALL REPLACE LIN.FT	EXT.LT LIN.FT	EXT.RT LIN.FT.	APRONS 15'	APRONS 18'	EMBANKMENT LEFT(CY)	EMBANKMENT RIGHT(CY)
69+52	RT	3700	15"x37'	CMP					2	6	2		1.0	2.5
70+76	LT	3719	15"x35'	CMP	35			36			2			
74+60	LT	F.ENT	15"x34'	CMP	34			34			2			
76+00	RT	VICKERS ST	N/A											
76+18	LT	VICKERS ST	N/A											2.0
83+72	RT	YALTA ST	N/A											
84+94	RT	F.ENT	N/A										1.5	1.5
87+68	RT	BREEZY PT DR	N/A											
87+84	LT	BREEZY PT DR	N/A											
88+79	RT	F.ENT	N/A										3.5	1.0
90+09	RT	F.ENT	15"x31'	CMP					6	6	2		3.0	3.0
92+82	RT	NORQ. CP RD	15"x37'	CMP					16	12	2		12.5	10.5
92+82	LT	F.ENT	15"x30'	CMP							2		0.5	0.5
94+67	RT	4036	15"x37'	CMP	37			54			2		6.0	7.0
98+55	RT	4126	15"x41'	CMP					18	12	2		22.5	34.5
105+27	LT	F.ENT	N/A											
106+23	RT	THELEN BLVD	N/A											
107+97	RT	SPORTSMAN RD	N/A											
112+35	RT	F.ENT	15"x33'	CMP					8	6	2		2.5	1.5
114+53	LT	4211	15"x30'	CMP					4	4	2		1.5	1.5
120+37	LT	4349	15"x32'	CMP	32			32			2			
124+00	RT	X425	15"x36'	CMP					8	6	2		8.0	5.5
128+90	LT	F.ENT	N/A											
136+30	LT	Y226	15"x36'	CMP						4	2			1.0
136+33	RT	F.ENT	15"x37'	CMP					10	8	2		8.0	4.0
140+28	RT	195TH AVE	15"x87'	CMP							2			
141+53	LT	4455	15"x37'	CMP					6	2	2		2.0	1.0
143+10	RT	4536	15"x29'	CMP					12	4	2		5.5	2.0
146+65	LT	4537	15"x31'	CMP							2		0.5	0.5
150+05	RT	4610	15"x30'	CMP					10	8	2		9.0	3.0
151+90	RT	THE MORKENS	15"x29'	CMP					12	18	2		6.0	12.0
153+12	LT	4621	15"x38'	CMP					12	10	2		9.5	10.5
153+14	RT	4640	N/A											
158+29	LT	4631	15"x34'	CMP	34			56			2		10.0	7.0
159+45	LT	4643	15"x34'	CMP					6	10	2		3.5	5.0
160+38	RT	TRI-OAK CIR	15"x62'	CMP			2		8				3.5	
168+12	RT	PARK ENT	15"x36'	CMP					10	10	2		6.0	8.0
168+26	LT	WILD RICE DR	N/A											
169+91	RT	EJ'S BAR	N/A											
171+87	RT	CTY RD 17	15"x61'	CMP					2	2	2		1.5	1.0
171+87	LT	VIDEO BUG	N/A											
173+17	LT	F.ENT	N/A											
173+83	RT	TOM THUMB	15"x42'	CMP					6	6	2		4.5	3.0
175+12	LT	F.ENT	15"x36'	CMP					8	8	2		5.5	3.5
176+21	LT	4855	15"x30'	CMP					8	6	2		4.5	2.5
176+21	RT	F.ENT	N/A											
182+25	RT	F.ENT	N/A											
TOTALS					582	0	8	682	314	344	158	0	236	248 (1)

(1) EARTHWORK SUMMARY:

COMMON BORROW (LV) = EMBANKMENT x 1.5 = (236 + 248) x 1.5 = 726 CU.YD.

(2) CMP DESIGNATES METAL PIPE WITH A STANDARD 2-2/3"X1/2" CORRUGATION. SMP DESIGNATES METAL PIPE WITH A SPIRAL CORRUGATION.

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

TABULATED QUANTITIES

S.A.P. _____ S.P. 02-622-24 C.P. _____