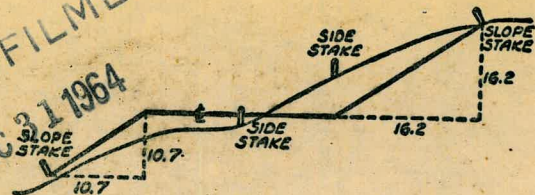


2072

DIARY BOOK

MICROFILMED
DEC 21 1964



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00										0
1	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1
2	2.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2
3	3.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3
4	4.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4
5	5.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5
6	6.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6
7	7.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	7
8	8.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8
9	9.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9
10	10.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	10
11	11.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	11
12	12.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	12
13	13.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	13
14	14.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	14
15	15.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	15
16	16.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	16
17	17.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	17
18	18.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	18
19	19.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	19
20	20.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	20
21	21.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	21
22	22.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	22
23	23.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	23
24	24.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	24
25	25.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	25
26	26.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	26
27	27.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	27
28	28.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	28
29	29.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	29
30	30.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	30
31	31.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	31
32	32.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	32
33	33.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	33
34	34.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	34
35	35.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	35
36	36.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	36
37	37.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	37
38	38.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	38
39	39.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	39
40	40.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	40
41	41.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	41
42	42.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	42
43	43.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	43
44	44.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	44
45	45.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	45
46	46.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	46
47	47.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	47
48	48.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	48
49	49.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	49
50	50.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	50
50	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50.90	50

INDEXED
Completely
except page # 25, 30, 32
50, 79

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the out or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if out, elevate if fill. Add this amount to out or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.617	.707	.797	.890	.987	1.07	1.18	1.29
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.78	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Index

	Pg.
✓ Federal Blvd. Slope Stakes	1-21
✓ Wabash Ave. Left Lane	23-25
✓ 5th Grader At Federal Blvd.	22+25
✓ Wabash Ave. Right Lane	26-30
✓ Nile St. Left Lane	31-32
✓ Nile St. Right Lane	33-35
✓ N.W. OC. - Federal Blvd. Interchange	36-45
✓ Access Road	46-50
✓ N.E. OC. - Federal Blvd. Interchange	51-57
✓ N.W. I.L. - Federal Blvd. Interchange	58-61
✓ S.W. I.L. - Federal Blvd. Interchange	62-65
✓ S.E. I.L. - Federal Blvd. Interchange	66-70
✓ Nile St Under Pass	35
✓ Market St East of 32nd	71-74
✓ Market St + Federal Blvd. N.W. Curb Line	75-76
✓ " " " " N.E. Curb Line	77

Federal Blvd.

Lt. E Rt.

Sta. Slope Super Elev. Width Width Elev. Super Slope

12+00 1:1 .057 E. 66.76 38' 37.5' E. 66.02 .057 1/2:1

11+75 1:1 .049 E 67.80 38' 38.5 E 65.33 .049 1/2:1

11+50 1:1 .039 E. 66.81 38' 41.5' E 64.56 .039 1/2:1

11+25 1:1 .028 E 65.79 38' 44.5' E 63.93 .028 1/2:1

11+00 1/2:1 .018 E 64.71 40' 44' E 63.34 .022 1/2:1

A = 15° 35' 29"
R = 1200'
T = 164.38'
L = 326.73'

P.R.C. 10+57.18 1/2:1 0 E 63.16 40' 47.5' E 62.21 .02 1/2:1

Change for C&G work to

March 16.50 40.22029
Smith Lt = W
Rorer
Chavez
Cota

Rt = E

2
RP

Slope Slope Slope Slope Slope RP

6.9 12.3 12.8 15.5 16.0 5.1
6.2 8.2 6.2 5.1 5.1 5.0
0.0 6.1 6.6 1.94 0.09 0.0
49.1 44.1 26.0E 26.0E 43.0 48.0

TP 6.97 81.55 4.10 74.58

✓ 7.6 11.6 11.9 14.1 14.2 2.0
8.8 7.6 7.6 2.0 2.8 2.1
-1.2 4.2 4.2 0.21 0.22 0.1
47.0 42.0 28.0E 34.0 47.7 52.7

12.8 12.8 12.9 14.1 14.8 2.0
12.8 12.8 12.8 2.0 2.0 2.1
4.7 0.0 0.1 0.1 0.38 0.1
43.0 38.0 30E 38.0 50.9 53.9

✓ 22.3 12.9 14.0 15.3 15.4 1.5
22.3 22.3 22.3 1.5 1.5 1.5
10.1 F 8.4 F 8.3 0.138 0.139 70.3
57.6 52.6 32.0E 42E 37.0 36.0

✓ 23.1 15.5 15.5 16.5 16.6 2.5
23.1 23.1 23.1 2.5 2.5 2.5
7.0 F 7.4 F 7.6 0.141 0.141 0.1
51.4 51.4 30.0E 42.0E 54.6 59.6

8M 11.52 66.12 54.60

Change for C&G work to

Sta.	Slope	Super	Lt. Shdr. Elev	± Shdr. Width	Shdr. Shdr. Width	Rt. Shdr. Elev	Super	Slope
14+00	1:1	.035	E74.60 74.88	38'	38'	E72.90 72.50	.035	1:1
E.C. 13+83.91			E74.19 74.51			E72.28 71.88		
13+50	1:1	.049	E73.34 73.74	38'	38'	E70.96 70.58	.049	1:1
13+11.91								
13+00	4:1	.058	E71.96 72.42	40'	40'	E69.18 68.72	.058	4:1
+85	4:1		E71.51 71.97	40'	40'	E68.73 68.22		
12+40	3:1	.06	E70.69 70.56	34'	37.5'	E67.24 66.76	.06	1/2:1

Lt. Slope	±	Rt. Slope	Super	Slope
1:1	6.5	6.7	8.4	8.8
1:1	4.7	4.7	6.2	6.4
1:1	61.8	62.0	62.0	62.4
1:1	44.8	39.8	26.0	70.4
1:1	6.8	7.1	9.1	9.5
1:1	4.9	4.9	7.0	7.2
1:1	61.9	62.2	62.1	62.5
1:1	41.9	36.0	26.0	70.5
1:1	7.6	8.0	10.4	10.8
1:1	5.0	5.2	10.8	10.8
1:1	16.3	16.6	10.4	11.2
1:1	45.6	26.0	26.0	70.0
1:1	8.9	8.9	9.4	12.2
1:1	8.7	8.9	13.8	13.6
1:1	7.2	6.0	11.6	11.2
1:1	4.5	40.0	26.0	71.8
TP	6.33	81.34	6.54	75.01
1:1	11.7	9.6	10.0	13.8
1:1	10.8	11.7	13.3	13.3
1:1	10.9	7.1	11.7	13.3
1:1	58.4	48.4	26.0	70.0
1:1	11.0	11.0	14.3	14.8
1:1	11.2	11.0	15.2	15.2
1:1	10.2	6.0	11.0	11.0
1:1	39.0	34.0	26.0	70.0

81.55

Federal Blvd.

Sta.	Slope	Super	Lt. Shdr. Elev.	E Shdr. Width	RT. Shdr. Elev.	Super	Slope
16+00	1:1	-	E79.87 79.71	38' 38'	E79.86 79.46	-	1:1
			E78.76 78.69		E78.65 78.25		
15+50	1:1	.004	E78.41 78.36	38' 40'	E78.27 77.87	-	1/2 #:1
15+00	4:1	.008	E77.12 77.18	40' 38'	E76.63 76.23	.013	1 1/2
14+45	1:1	.022	E75.75 75.93	38' 40'	E74.63 74.23	.022	4:1

LT Slope	E Slope	RT Slope	Super	End of Trans.
7.7 9.4 9.3 10.1 47.2	8.9 9.7 11.2 39.2	8.8 9.4 10.4 26.0	8.8 10.4 10.4 26.0	8.8 10.8 10.8 40.2
11.1 11.0 43.5	10.0 9.5 10.5 38.5 11.6 11.1 38.5	9.9 9.5 10.4 26.0	10.0 10.4 10.4 26.0	10.4 10.8 10.8 40.0
2.6 2.8 -0.4 73.4	3.0 2.6 0.4 38.4	2.9 2.6 0.2 26'	2.98 3.1 3.1 26.0	78.36 78.3 78.3 78.2
		10.2 10.2	10.4 11.2 F0.8 26	10.8 11.2 F0.7 40.2
4.2 4.2 10.2 75.0	4.2 4.2 0.0 40.0	4.2 4.2 0.0 26	4.7 6.6 F1.3 26.0	5.1 6.0 F0.9 39.4
4.2 4.2 0.0 74.8	5.4 4.2 0.0 39.2	5.6 4.2 0.0 26.0	6.7 7.1 F0.4 26.0	7.1 5.1 0.0 40

4

#2
PM 86.29
2.05
88.4
11.40
77.24
4.46
81.50
76.58
on PP
75.24
Hus
E.C.

81.34

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
18+08	1:1	007	E 85.55 85.32	38'	38'	E 85.43 85.05	-	1:1
18+00							start of Trans.	

17+29	1:1	-	E 84.19 83.71	38'		E 84.11	-	
86.07								

72.28			E 83.52 83.12	37'		E 83.52 83.12	1/2	
86.07								

17+00	1:1	-	E 82.85 82.35	26'	37'	E 82.85 82.35	-	0.0 10.1
-------	-----	---	------------------	-----	-----	------------------	---	-------------

+67.26			E 81.91 81.64			E 81.91 81.51		
86.07								

16+50	1:1	-	E 81.42 81.15	38'	38'	E 81.42 81.02	-	1:1
-------	-----	---	------------------	-----	-----	------------------	---	-----

Slope	Slope	Slope	Slope	Slope
3.3 3.1 +0.2 78.0	8.3 3.3 C 5.0 43.0	8.0 3.3 C 4.7 26.	8.1 8.5 F 0.4 26.0	8.5 8.5 8.0 37.0
				8.5 10.8 -1.8 22.0

BM	7.52	93.59	For Fst Ramp 3.99	86.07 86.28	86.07 NW F+33rd 86.29
	0.3 0.2 +0.1 77.3	6.6 8.8 C 6.3 44.3	6.2 0.3 C 5.9 26.0	6.16	on Paving

		6.75 2.1 F 0.35 26.0 on Pav.	6.7 10.9 F 4.2 26.0	7.1 15.9 F 3.8 42.7	10.9 12.5 -1.5 57.0: Rad 46.6
--	--	---------------------------------------	------------------------------	------------------------------	---

			7.4 7.8 F 0.4 26.0	7.8 10.0 72.00 C 0.00 C 0.00	7.8 10.5 -3.7 7.0
--	--	--	-----------------------------	--	----------------------------

		5.6 3.2 +0.4 78.0	8.6 2.6 C 5.0 43.0	8.4 2.6 C 4.8 26.0	8.4 5.2 C 3.2 26.0
					8.8 5.2 C 3.6 41.6
					5.2 5.7 -0.5 7.6

		4.7 5.2 -1.6 5.29	9.1 2.2 C 4.9 42.9	8.8 2.2 C 4.6 26.0-F	8.8 5.2 C 3.5 26.0-E
					9.3 5.2 C 3.9 41.9
					5.3 5.4 -0.1 46.9

8864X	90.27		7.8 2.8 C 2.4 26.0	7.6 2.8 C 2.8 40.5	4.8 6.8 -2.0 35.8
-------	-------	--	-----------------------------	-----------------------------	----------------------------

5

Federal Road.

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
20+00	1:1	.046	E 89.65 70.02	38'	38'	E 87.45 87.05	.046	1:1
B.C.			E 89.63			E 87.45		
19+98.94	1:1	.045	89.99	38'	38'	87.09	.045	1:1

$\Delta = 46^{\circ} 56' 14''$
 $R = 1400'$
 $T = 607.83'$
 $L = 1146.89'$

19+50	1:1	.032	E 88.78 88.99	38'	38'	E 87.26 86.86	.032	1:1
-------	-----	------	------------------	-----	-----	------------------	------	-----

MIN FUSION
 3M 86.07
 8.02
 94.09
 1.35
 92.74
 6.98
 99.72K

19+00	1:1	.018	E 87.76 87.82	38'	38'	E 86.89 86.49	.018	1:1
-------	-----	------	------------------	-----	-----	------------------	------	-----

18+50	1:1	.004	E 86.58 86.48	38'	38'	E 86.22 85.82	.011	1:1
-------	-----	------	------------------	-----	-----	------------------	------	-----

Lt slope Rt slope **6**

12.3	12.6	11.4
11.4	11.4	11.6
0.9	0.2	0.2
26.0	39.4	44.1
7.7	8.6	8.9
7.5	7.7	7.7
10.2	0.9	0.2
43.9	38.9	26.0
6.7	10.7	11.0
7.0	8.7	6.7
10.3	0.9	0.3
47.0	43.0	36.0
4.9	9.6	9.8
5.8	4.7	4.7
7.0	0.9	0.2
43.7	42.7	26.0
6.8	7.2	0.2
11.3	11.7	RP
8.9	8.9	17 Hours
0.9	0.2	
26.0	40.8	
7.2	7.6	5.6
5.6	5.6	5.8
0.6	0.2	0.2
26	40.0	45.0
6.7	7.1	4.7
11.4	11.4	5.1
0.9	0.2	0.2
26.0	40.4	45.4
7.0	8.3	6.7
6.4	6.4	6.7
0.6	0.2	0.2
26	40.1	45.1
7.4	7.8	5.8
5.8	5.8	5.8
0.6	0.2	0.2
26.0	40.0	45.0

93.59

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
22+00	1:1	.08	91.81	38'	37'	86.45	.08	4:1

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
21+50	1:1	.079	91.82	38'	38'	86.76	.079	1:1

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
21+24	End of Trans							End of Trans

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
21+00	1:1	.073	91.51	38'	38'	86.87	.073	1:1

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
20+50	1:1	.06	90.86	38'	37'	86.86	.06	4:1

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
20+10	1:1		89.80	38'		87.01	.06	1:1

Slope	#	Slope	#	Slope	#
8:1	27	8:7	13.6	13:4	13.4
27	27	27	13.4	13.4	13.4
05.4	103	06.0	10.8	0.0	10.0
48.4	48.4	26.0	26.0	37.0	42.0

Slope	#	Slope	#	Slope	#
4:0	7.9	8:5	12.3	13:0	9.9
3.6	4.0	4.0	9.9	9.9	11.8
10.4	03.9	04.3	03.9	03.9	1.9
26.9	11.9	26.0	26.0	41.1	46.1

#2

99.725

Flag - 4-50

Slope	#	Slope	#	Slope	#
8:2	3.6	8:8	12.3	12:9	8.1
3.6	3.6	3.6	8.1	8.1	8.6
04.6	10.4	05.2	04.2	04.8	0.5
17.6	17.6	26.0	26.0	22.8	27.8

TP

6.40 99.89 5.07 90.49

Slope	#	Slope	#	Slope	#
3:1	7.7	8:3	11.0	11:7	11.7
1.9	3.1	3.1	11.0	11.7	11.7
10.2	05.6	06.1	06.7	0.0	1.7
48.6	43.6	26.0	26	37.0	43.0

Slope	#	Slope	#	Slope	#
5:2	8.4	8:8	11.1	11:6	11.6
5.0	5.2	5.2	11.6	11.6	11.6
10.3	07.2	03.6	10.5	0.0	0.0
46.2	41.2	26.0	26.0	38.0	43.0

7

Federal Blvd.

Sta.	Slope	Super	Lt.			Rt.			Super	Slope
			Shdr.	Shdr.	Shdr.	Shdr.	Shdr.	Shdr.		
24+00	1:1	.08	E90.41	49.53	37'	E85.66	84.78	.08	4:1	
23+75	1:1	.08	E90.57	47.83	37'	E85.99	85.11	.08	4:1	
23+50	1:1	.08	E90.61	44.0'	37'	E86.29	85.41	.08	1/2:1	
23+25	1:1	.08	E90.61	40.67	37'	E86.56	85.68	.08	1/2:1	
23+00	1:1	.08	E90.69	38.67	37'	E86.80	85.92	.08	1/2:1	
22+75	1:1	.08	E90.82	38'	37'	E86.98	86.10	.08	1/2:1	
22+50	1:1	.08	E90.96	38.0'	37'	E87.12	86.24	.08	1/2:1	

March 18, 50
 Saturday
 F.S. 5500
 Smith
 Rorer
 Chavez
 Cota

Start 23+50
 Stop 34+0

S 8

47 42 <u>40.5</u> 550	5.1 47 <u>0.7</u> 500	6.1 47 <u>0.4</u> 373.5	10.8 15.7 <u>F 4.9</u> 260.5	11.7 15.7 <u>F 4.0</u> 330.	18.7 15.7 <u>0.0</u> 580.
30 22 <u>10.8</u> 512	5.2 30 <u>0.22</u> 462	5.9 30 <u>0.29</u> 320.5	10.2 17.5 <u>F 7.3</u> 26	11.1 17.6 <u>F 6.5</u> 26.8	17.6 17.9 <u>-0.3</u> 518.
66 58 <u>10.8</u> 457	8.6 6.6 <u>0.20</u> 40.7	9.2 6.6 <u>0.26</u> 26	13.1 20.8 <u>F 7.7</u> 26.0	14.0 20.8 <u>F 6.8</u> 47.2	20.8 21.0 <u>0.2</u> F 0.2
42 42 <u>10.1</u> 47.1	8.3 42 <u>0.41</u> 42.1	8.9 42 <u>0.47</u> 26	12.8 21.0 <u>F 8.2</u> 210.5	13.7 21.6 <u>F 7.3</u> 480.	21.0 21.7 <u>0.7</u> 530.

TP

0.52 96.49 3.92 95.77

9989

Lt. E Rt.

Shdr. Shdr. Shdr. Shdr

Sta. Slope Super Elev. Width Width Elev. Super Slope

26+00 .08 38' 80.98 .08 1:1

E 87.12 E 82.32

+728 = 0+0
N.M.O.C on H.
Page 36

87.76 50.0

81.64

4.7
4.3
+0.4
59.0

8.7
4.7
C 4.0
54.0

9.4
4.7
C 4.7
38.0

149
133
C 1.6
26.0 F

15.5
13.3
C 2.2
40.2

13.3
13.7
-0.4
45.2

E 87.66

E 82.86

25+50 1:1 .08 88.30 50.0' 38" 82.22 .08 1:1

4.3
4.0
+0.3
58.9

8.3
4.3
C 3.7
53.9

8.8
4.3
C 4.5
38.0

13.6
12.8
C 0.8
26.0

14.3
12.8
C 1.5
39.5

12.8
13.1
-0.3
44.5

E 88.74

E 83.94

25+00 1:1 .08 89.38 50.0 38' 83.80 .08 1:1

2.3
2.1
+0.2
59.8

7.1
4.3
C 4.8
54.8

7.8
4.3
C 5.5
38.0

12.6
11.9
C 0.7
26.0

13.3
11.9
C 1.3
39.3

11.9
13.4
-0.5
44.3

E 89.30
89.94

E 84.50
83.62

+70

3.0
2.7
+0.3
58.6

6.6
3.0
C 3.6
53.6

7.2
3.0
C 4.2
38.0

12.0
12.9
C 0.9
26.0

12.9
12.0
C 0.9
38.0

12.4
13.4
-0.5
43.0

E 89.67

E 84.87

24+50 1:1 .08 90.37 50.0' 37' 83.79 .08 4:1

4.4
4.2
+0.2
56.8

6.2
C 1.8
51.8

6.8
4.3
C 2.5
38.0 F

11.6
14.3
F 3.2
26.0 F

12.5
12.8
F 2.3
46.2

14.8
15.1
-0.3
51.2

E 90.08

E 85.28

24+25 1:1 .08 90.72 50' 37' 84.90 .08 4:1

96.49

5

5

9

Federal Bhd.

Sta.	Slope	Super	Elev.	Shdr. Width	Shdr. Width	Elev.	Super	Slope
------	-------	-------	-------	-------------	-------------	-------	-------	-------

28+00		.08	E76.62	38'		75.98	.08	1:1
-------	--	-----	--------	-----	--	-------	-----	-----

27+50		.08	E77.70	38'		77.06	.08	1:1
-------	--	-----	--------	-----	--	-------	-----	-----

27+00		.08	E78.92	38'		78.28	.08	1:1
-------	--	-----	--------	-----	--	-------	-----	-----

26+50		.08	E80.27	38'		79.63	.08	1:1
-------	--	-----	--------	-----	--	-------	-----	-----

5 10

14.5	15.2	9.7
9.7	9.7	10.3
048.	055	050
26.0	43.5	48.5

13.4	14.1	8.3
8.3	8.3	8.9
051	058	0.6
26.0	43.8	48.8

N.M.O.C

12.2	13.9	8.4
8.4	8.4	8.7
03.8	04.5	0.3
26.0	42.5	47.5

TP 4.74 91.13 10.10 86.39

16.2	16.9	13.8
13.8	13.8	14.3
02.4	03.1	0.5
26.0	41.1	46.1

9649

+35

Sta.	Slope	Super	Elev	Width	Width	Elev.	Super	Slope
			E 77.82 78.19	37'	38'	E 73.66 73.04	.08	1:1
			Shdr. E 77.73			Shdr. E 73.89		
30+00	.02	.08	78.61	37'	38'	73.25	.08	1:1

29+50	.02	.08	E 78.11 78.99	37'	38'	E 74.27 73.63	.08	1:1
-------	-----	-----	------------------	-----	-----	------------------	-----	-----

29+00	.02	.08	E 78.74 79.62	37'	38'	E 74.90 74.26	.08	1:1
-------	-----	-----	------------------	-----	-----	------------------	-----	-----

28+50	.02	.08	E 79.52 80.40	37'	38'	E 75.68 75.04	.08	1:1
-------	-----	-----	------------------	-----	-----	------------------	-----	-----

7.3	8.2	11.9	12.5	8.5
2.3	2.3	11.4	12.5	8.5
0.5	0.5	2.6	2.6	2.6
37.0	26.0	26.0	26.0	26.0
10.7	10.7	10.7	10.7	10.7
10.5	10.5	10.5	10.5	10.5
10.7	10.7	10.7	10.7	10.7
37	37	37	37	37

TP

6.68	85.51	12.30	78.83
10.3	10.3	10.3	10.3
20.8	20.8	20.8	20.8
12.1	13.0	15.2	17.5
5.6	5.6	10.8	10.8
0.6	0.7	0.6	0.6
37.0	26.0	26.0	44.7
10.8	10.8	10.8	10.8
12.7	12.7	12.7	12.7
1.9	1.9	1.9	1.9
14.7	14.7	14.7	14.7

88.427

8.8	9.7	16.2	16.9	9.9
8.1	8.1	9.9	9.9	10.8
0.7	0.7	0.7	0.7	0.9
37	26	26.0	25.0	50.0
11.5	12.4	16.2	16.9	10.7
4.8	4.3	10.7	10.7	11.6
0.2	0.1	0.2	0.2	0.3
37.0	26.0	26.0	44.8	49.2

8.0	8.9	15.5	16.1	9.8
8.1	8.1	9.8	9.8	10.8
0.7	0.7	0.7	0.7	0.2
37.0	26	26.0	26.0	49.3
10.7	11.6	15.5	16.1	9.8
2.9	2.9	9.8	9.8	10.8
0.2	0.2	0.2	0.2	0.2
37.0	26.0	26.0	44.3	49.3

91.13

Sta.	Slope	Super	Lt. Shdr. Elev.	℄ Shdr. Width	Rt. Shdr. Width	Rt. Shdr. Elev.	Super	Slope
32+00	1/2:1	.035	E76.11 76.49	37'	37'	E74.20 73.65	.045	1/2:1

4.0	-13.7	-13.3	-11.4	-19.8	6.0
4.1	4.6	4.0	6.0	6.0	6.1
-0.1	F17.9	F17.3	F17.7	F16.8	-0.1
88.6	83.8	26.0 F	26.0 F	82.2	87.2

31+50	1/2:1	.049	E76.33 76.87	37'	37'	E73.82 73.20	.056	1/2:1
E.C.			E74.36 74.93			E73.80 73.17		
31+45.83								

TP	5.18	62.84	10.50	57.66	
7.9	-8.8	-8.2	-5.6	-5.9	10.5
7.6	7.9	7.9	10.5	10.5	10.6
+0.3	F16.7	-16.1	F16.1	F15.5	-0.1
87.1	82.1	26.0	26.0	80.3	85.3

31+0			E76.69			E73.59		
31+08	1/2:1	.063	77.38	37'	37'	72.85	.067	1/2:1

0.7	-9.2	-8.5	-5.4	-4.7	8.1
1.0	0.7	0.7	8.1	8.1	8.0
+0.8	F9.9	F9.2	F13.5	F12.8	+0.1
56.9	51.9	26.0	26.0	53.2	61.8

+73			E76.96 77.72	37'	37'	E73.55 72.91		
30+55	.02	.075	E72.12 77.94	37'	38'	E73.56 72.95	.076	1:1
30+37.83								Start of Trans.

TP	5.72	68.16	11.42	62.44	
TP	1.15	73.86	12.80	72.71	
7.8	7.8	8.5	12.0	12.6	22.7
8.1	7.8	7.8	22.7	22.7	21.2
11.1	0.0	0.0	F10.7	F10.1	+1.5
42.0	37.0	26.0	26.0	52.2	57.2

+179.41 E7560 Page 61
 Shdr. Shdr. Shdr. Shdr.
 Sta. Slope Super Elev. Width Width Elev. Super Slope

34+00 1/2:1 .014 1 1/2:1
 49' 75.79 E76.24

33+61.83 End of Trans. End of Trans.

33+50 out 49' E7536 74.91 .047 1 1/2:1

+148.92 86.67 RT 19' E7534 74.89

33+00 1/2:1 .007 E76.11 75.86 37.5' out

+80 E76.09 75.79
 0014.03
 0018.03

32+50 1/2:1 .021 E76.05 75.95 37.5' 37' E74.73 74.18 .034 1 1/2:1

BM

1.07 56.09
 -19.1
 9.4
 F 28.5
 40.0
 -18.6
 9.4
 F 38.0
 9.0
 9.4
 9.4
 0.0
 9.0

Mon 52
 roadway
 13
 56.14
 2071-2

TP 673 5716 12.41 50.43

-13.0 -13.3

Same as
 5-175
 Page 61
 -13.1
 5.2
 F 18.3
 36.0
 -13.3
 5.2
 F 18.5
 36.0

49
 49
 40.0
 -13.1
 4.9
 F 18.0
 64.5
 -13.2
 4.9
 F 18.1
 36.0
 -11.9
 6.6
 F 18.5
 26.05
 -11.3
 6.6
 F 17.9
 62.9
 6.6
 6.6
 0.0
 28.9

62.84

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
------	-------	-------	-------------	-------------	-------------	-------------	-------	-------

36+86.95			E 75.95 75.5°	49'				
36+70.85						F 75.93 75.48		

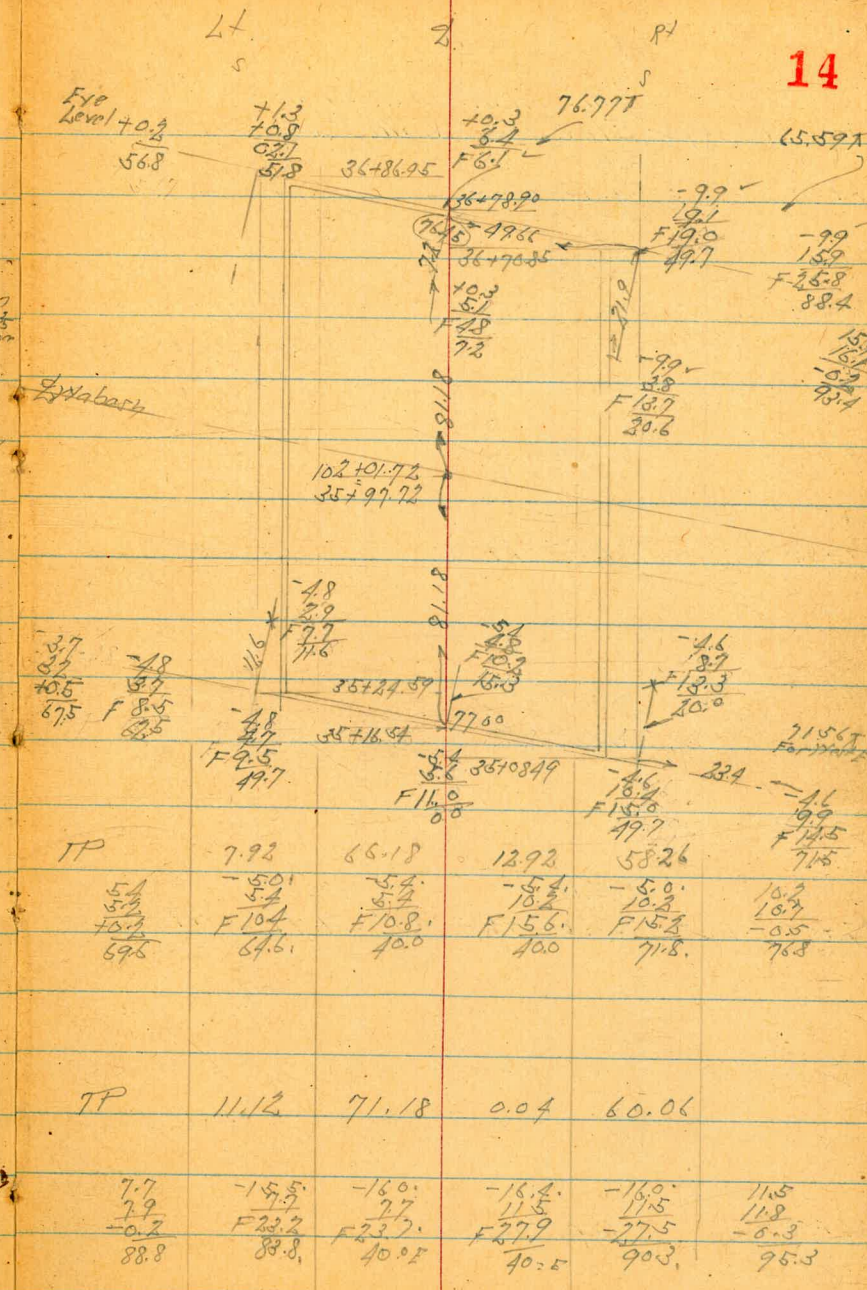
BM 5410
477.5
58.87
0.99
57.88
7.71
65.59
0.22
65.30
11.27
76.77
7.52
68.25
3.81
71.56
13.54
59.02
1.56
60.58
7.51
53.07

35+21.59
E 76.82
76.37
49'

35+08.49
E 76.60
76.15
49'

35+00 1/2:1
E 76.58
76.13
49' 49'
E 76.59
76.14
1/2:1

34+50 1/2:1
E 76.09
75.64
49' 49'
E 76.50
76.05
1/2:1



60.10 B/F Ford
2097.19

±

Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super Slope

38+00 1/2:1 - E74.95
74.40 48.33

37+75 1/2:1 - E75.24
74.69 49'

37+50 1/2:1 - E75.50
74.95 49'

37+25 1/2:1 - E75.73
75.18 49'

37+00 1:1 - E75.93
75.38 49' 49' E75.39
74.94 .047 1/2:1

36+50 Structure

L-H S

March 30-50
F.S. 5507
D. Smith
Rof. of
C. 6/1/52

S R/S
15

18.03
9.00
+1.0
79.8
-6.9
10.3
F17.2
74.8
74.1
-7.5
10.3
F17.8
38.05

TP 1.03 67.50 10.65 66.47

7.8
5.7
+2.1
6.4
2.3
7.8
F6.6
57.9
1.6
7.8
F6.2
38.0

2.8
3.8
+1.0
56.7
2.0
3.8
F1.8
51.7
1.4
3.8
F2.4
38.0

1.7
0.9
+0.8
54.0
1.7
1.7
0.6
49.0
1.2
1.7
F0.5
38.05

10.65 77.12 0.07 66.47

11.19 66.54 0.62 55.35

0.87 55.97 8.57 55.10

8M 1.55 63.67 62.12

L+D P/
Federal +
Federal Per.

Federal Blvd.

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope						
40+00	1/2:1	-	E 71.95 71.40	37'	37'	E 72.18 72.16	0	1/2:1	5.2 4.8 +0.6 69.6	-13.2 5.2 F 184 64.6	13.9 5.2 F 189 26.0 F	-13.9 5.2 F 192 26.0 F	-13.9 5.2 F 192 26.0 F	5.2 5.2 0.0 70.8
39+67														
39+50	1/2:1	-	E 72.80 72.25	37'	37'	E 72.85 72.67	.008	1/2:1	5.4 5.2 +0.2 71.1	-14.0 5.4 F 194 66.1		-14.6 9.2 F 238 26.0	-14.6 9.2 F 238 26.0	9.2 5.8 13.2 77.4
39+10			E 73.47 72.84	37'	37'	E 73.48 73.19						-15.2 9.2 F 244 26.0	-15.0 9.2 F 244 26.0	
39+25	1/2:1		E 73.63 72.60	37'										
39+00	1/2:1	-	E 73.64 73.09	37.67'	37'	E 73.65 73.32	-	1/2:1	6.3 6.2 0.0 74.4	-14.9 6.2 F 211 69.9	-15.4 6.2 F 216 26.7 F			
38+75	1/2:1		E 74.02 73.47	39.67'										
38+50	1/2:1	-	E 74.34 73.79	43'	37'	E 74.40 73.93	-	1/2:1	7.6 7.7 0.1 82.8	-15.6 7.6 F 229 77.8	-16.1 7.6 F 237 32.0 F	-16.2	-15.7	
38+25	1/2:1		E 74.69 74.14	46.33'										

start of Trans.

6+40 S.E.D.

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
42+00	1/2:1	.053	66.90	37'	37'	70.62	.053	1/2:1

$\Delta = 18^\circ 38' 20''$
 $R = 2000'$
 $T = 328.21'$
 $L = 650.62'$

error in elev. grades at 41+50 & 41+75 on const. plots 1446-D

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
41+50	1/2:1	.041	68.09	37'	37'	70.75	.041	1/2:1
41+46.86			68.16			70.22		

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
41+00	1/2:1	.027	69.28	37'	37'	71.43	.027	1/2:1

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
40+50	1/2:1	.015	70.42	37'	37'	71.76	.015	1/2:1
40+39								

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
41+72	1:1	.500	71.17	36'	36'	75.23	.500	1:1
TP								

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
44								

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
43								

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
TP								

58.24

17

Federal Blvd.

Sta.	Slope	Lt.		E		Rt.		Super	Slope
		Shdr.	Shdr.	Shdr.	Shdr.	Elev.	Super		
44+00	.06			37'		68.14	.06		1 1/2:1

Elev. 67.48

43+50	.06	bridge		37'			.06		1 1/2:1
-------	-----	--------	--	-----	--	--	-----	--	---------

43+00	1/2:1	.06	E65.17	65.11	37'	37'	E68.65	69.31	.06	1 1/2:1
-------	-------	-----	--------	-------	-----	-----	--------	-------	-----	---------

43+70					37'		E68.97	69.63		1 1/2:1
-------	--	--	--	--	-----	--	--------	-------	--	---------

42+50	1/2:1	.06	E66.50	65.84	37'	37'	E69.38	70.04	.06	1 1/2:1
-------	-------	-----	--------	-------	-----	-----	--------	-------	-----	---------

End of Trans.

Grades on Rt.
Nov. 16. 50
H. J. ...
Garber
Roper
Pulley

18

-0.7	-1.3	5.2
5.2	5.2	5.2
F 5.9	F 6.5	0.0
26	468	51.00

B.M. 4.68 66.80 62.12

B.M. 62.12 L+D. ...
7.05 P.I. Federal
69.17 + " Parking
11.81
57.36
5.59
62.95

out

1.0	6.7
10.5	10.5
F 16.5	F 17.2
26.0	638

-0.6 out
10 N. 50 C.

-1.2	-1.8	
15.2	15.2	
F 17.2	F 17.9	
26.05	638	
-6.4	-7.1	
10.4	10.4	
F 16.8	F 17.5	
26.0	638	

65.23

Rt. det
17.5 diam
10.4
10.4
70.1
58.3

Sta.	Slope	Super	Elev.	Width	Width	Elev.	Super	Slope
46+00	4:1	.06	E62.67 62.13	48'	37'	E66.33 66.99	.06	4:1
45+75	4:1	.06	E62.70 62.16	48.33'	37'	E66.38 67.04	.06	4:1
45+50	4:1	.06	E62.76 62.22	48.67'	37'	E66.96 67.12	.06	4:1
45+25	4:1	.06	E62.86 62.32	49'	37'	E66.58 67.24	.06	4:1
45+00	1/2:1	.06	E62.96 62.42	49'	37'	E66.71 67.37	.06	1/2:1
44+50		.06		37'		E67.04 67.70	.06	1/2:1

March 31-50
H. S. Smith
Racer
Chavez
Cota

19

10.6 10.4 +0.2 778	4.4 10.6 F6.2 728.12 Channel	3.9 10.6 F6.7 370.5	2.5 1.5 10.7 26.0	1.5 0.0 14.0
TP Rts. side	2.40	68.52	4.68	62.12
	1.6	4.0		
16.3 10.2 0.0 773	4.3 10.2 F5.9 723.	3.8 16.2 F6.4 397.5	+0.3 10.7 26	-0.3 +0.3 0.0 519
TP Lts. side	10.02	66.56	8.69	56.54
8.7 8.3 +0.4 4.9	2.8 8.7 F5.9 599.	2.3 8.7 F6.4 40.05	+0.1 5.2 F5.1 26.0	-0.6 5.2 F5.8 46.7 = FH Cone Post
			-0.2 4.9 F5.1 26.0	-0.9 4.9 F5.8 46.7 = FH Cone Post
	65.23 Lts. side	66.80 Rts. side		

Sta.	Slope	Super	Lt.		Rt.		Super	Slope
			Shdr. Elev.	Shdr. Width	Shdr. Elev.	Shdr. Width		
48+00	4:1	.043	E64.18	38.63'	E66.15	37'	.036	4:1
E.C. 4:1			E64.14		E66.15			
47+77.48	4:1	.043	E63.80	38.6	E66.15	37'	.036	4:1
47+75	4:1	.048	E63.80	40.68'				
47+50	4:1	.053	E63.80	43.32'	E66.23	37'	.050	4:1
47+25	4:1	.056	E63.04	45.37'				
47+13.48			start of Trans.		start of Trans.			
47+00	4:1	.059	E62.80	46.59'	E66.29	37'	.059	4:1
46+75	4:1	.06	E62.70	47'				
46+50	4:1	.06	E62.66	47.33'	E66.28	37'	.06	4:1
46+25	4:1	.06	E62.65	47.67'				

9.1	3.0	2.1	2.4	2.0
9.2	9.1	9.1	2.6	2.0
-0.1	F 6.1	F 6.7	C 0.4	0.0
880	630.	280 F	26	400

Lt 420.61 - P 11 Box

9.5	3.7	3.2	2.3	1.2
out 17	9.5	9.5	1.7	1.7
water	F 5.8	F 6.3	C 0.6	0.0
	66.5.	33.6.	26.0	40.7

9.5	4.3	3.8	2.2	1.6	3.3
9.9	9.5	9.5	2.3	2.3	2.6
-0.4	F 5.2	F 5.7	F 1.7	F 1.7	40.7
724	874.	375	26.0	43.8	48.8

B.M.

4.45 62.11

Lt Dir. Pl.
Federal
4 11 Box
62.16
63.20 etc.

10.1	4.4	3.9	2.4	1.5	3.3
9.7	10.1	10.1	2.5	1.6	2.6
10.4	F 5.7	F 6.2	C 0.6	0.0	40.7
751	701.	38.3	26.0	42.3	

66.56

68.52 P 11 side

Lt. E Rt.
 Shdr. Shdr. Shdr. Shdr.
 S Sta. Slope Super Elev. Width Width Elev. Super Slope

450+00 4:1 - E67.20 66.75 31' 31' E67.22 66.77 - 4:1

49+75 4:1 .012 E.66.82 66.37 31.83' 31.66' E.66.90 66.54 .008 4:1

49+65.48 End of Trans. End of Trans.

49+50 4:1 .014 E.66.41 65.92 32.33' 32.45' E.66.62 66.35 .004 4:1

49+25 4:1 .019 E.65.97 65.47 34' 35' E.66.41 66.26 .001 4:1

49+00 4:1 .025 E.65.53 65.01 35.67' 36.11' E.66.28 66.26 .008 4:1

48+75 4:1 .028 E.65.18 64.63 36.67' 36.78' E.66.21 66.32 .015 4:1

48+50 4:1 .033 E.64.85 64.39 37' 37' E.66.17 66.41 .022 4:1

48+25 4:1 .038 E.64.52 63.97 37.41'

3.35
 3.61
 67.15 Elev
 67.85 Elev
 3.6
 3.6
 4.1
 4.1
 3.0
 3.0
 3.0

21
 B.P. 65.41 at 47.40
 B.M. 65.41
 72.83
 72.83

9.0
 9.5
 -0.5
 56.0
 4.0'
 9.0
 F5.0
 31.0
 3.6
 9.0
 F5.4
 22.45
 3.6
 3.6
 F0.5
 22.45
 4.1
 4.1
 3.0
 3.0

TP 10.40 70.76 6.20 60.36

6.0
 6.2
 -0.2
 58.9
 0.6'
 6.0
 F5.4
 53.9
 0.2'
 6.0
 F5.8
 22.9
 4.2
 4.2
 F0.7
 22.9
 4.5
 4.5
 F0.4
 25.1
 4.9
 4.9
 -0.7
 40.1

5.2
 5.2
 -0.5
 55.1
 1.6'
 5.2
 F3.6
 50.1
 1.0'
 5.2
 F4.2
 25.1
 4.6
 4.6
 F1.4
 25.1
 4.6
 4.6
 F1.4
 41.7
 6.0
 6.0
 0.0
 46.7

TP 07 Rt. 6.14 70.82 2.83 64.69

8.5
 8.5
 0.0
 66.8
 2.3'
 8.5
 F6.2
 61.8
 1.7'
 8.5
 F8.8
 28.05
 2.4
 2.4
 F1.5
 26.0
 2.1
 2.1
 F1.8
 11.2
 2.9
 2.9
 +0.5
 +1.1
 49.2

68.56 Elev
 68.52 Elev

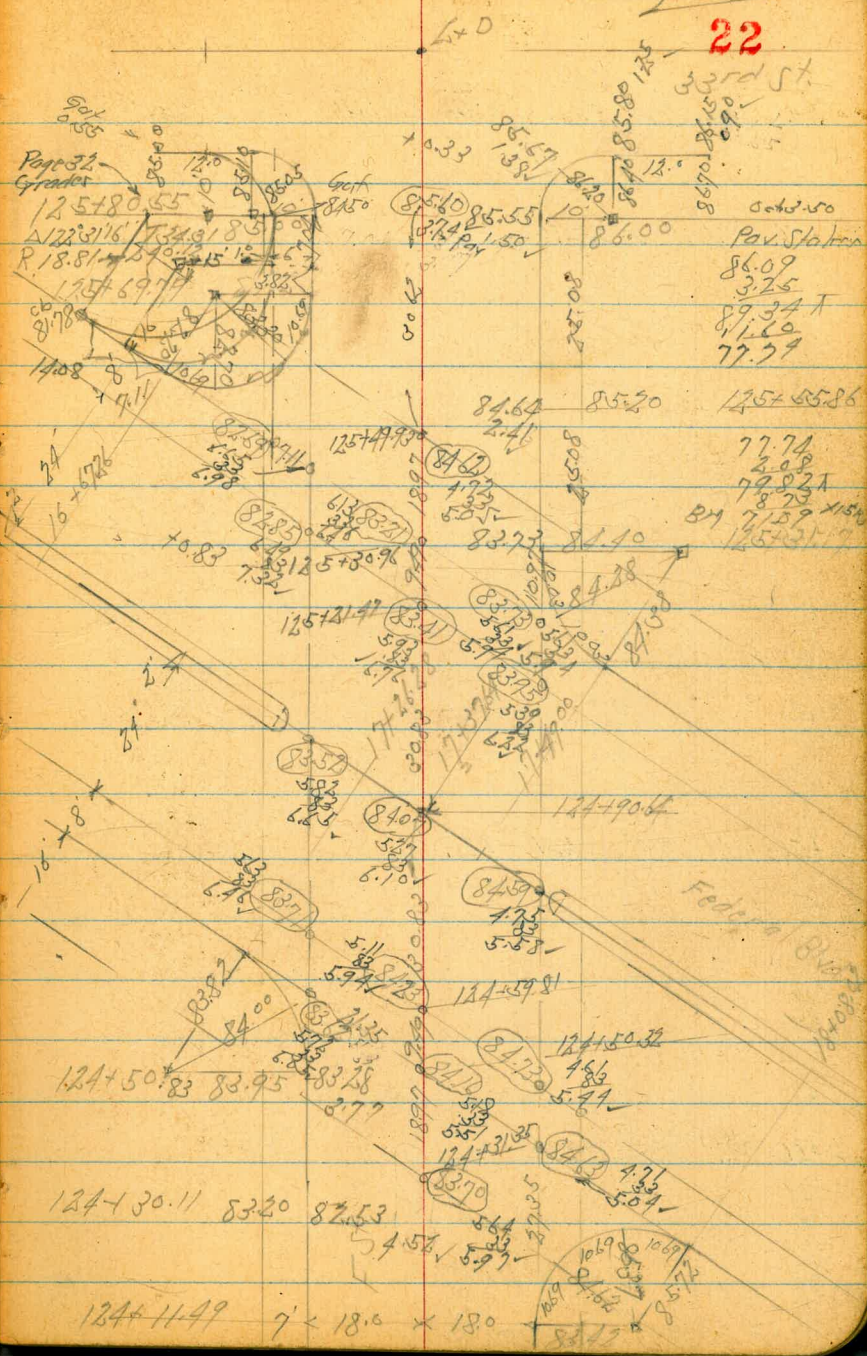
Fst. Grader At Federal Blvd.

Grader Page 25 Returns 50
S.W. Curb Change Page 32

124+11.49	81.37	82.73	82.76	83.42
124+10.11	81.94	81.27	81.78	
123+90.11	80.18	79.61	80.55	80.06
123+88.05		74.4	80.55	79.89
123+70.11	77.92	77.25	78.07	77.55
123+47.55		74.41	75.23	74.71
123+25	72.24	71.57	72.18	71.87
+12.5	70.88	70.21	71.03	70.50
123+0	69.52	68.85	69.56	69.80
+87.5	68.60	67.93	68.72	68.17
122+75	67.68	67.01	67.77	67.77
		66.34	67.11	67.89

756 RT Curb Cut

Sheet 14



Wobash Ave. "D" Lane

Lt. Left Lane Rt.

Sta. Slope Super Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

7+50 1 1/2 : 1 .035 202.13 45'

4.9
4.5
+0.4
78.6
-128.
4.9
4.7
FL 71.7
71.6

7+00 1 1/2 : 1 .022 200.44 44.5'

7.0
7.5
+0.5
76.7
-11.1.
7.0
7.1
FL 71.7
71.7

7+75 Culv. on Lt 200.02

Left Lane
-0.18 on Rt.

6+50 1 1/2 : 1 .008 199.61 43'

8.7
8.0
+0.7
76.5
-10.3
8.7
F 19.0
71.5

6+00 1 1/2 : 1 .006 199.32 41'

10.0
9.0
+1.0
76.0
-10.0
10.0
F 20.0
71.0

5+74.1' = 37' At of 182+51.64

2071-55

189.32 Brt. Ford.
2071-55

Wabash Riv. Left Lane "D" Line

24

Sta Slope Super Elev. Shdr. Shdr. Shdr. Shdr.
Width Width Elev. Super Slope

See Bk 2073 Pg 2 for following Sections

9+50

9+00

BM

0.33

188.99

1+T MH
167.6354
188.7900

8+50 1/2:1 .058 205.27 46'

3.0
2.9
+0.1
795

-160.
3.6
F190
745.

8+00 1/2:1 .049 203.55 46'

3.6
4.0
+0.4
77.7

-142.
3.6
F17.8
72.7.

189.32

Grades F St. H + Federal Blvd
East of 33rd St

CB Grade on Prop	Z	CB Grade on Prop	Page 30
+ 11.49 = 15' CB R. on Rt		83.42	0.9 3.6 F 2.7 33.4 on Red
124 + 10.11	81.94		
123 + 90.11	80.18		
+ 88.05 = P.L. BC on Rt		80.47	0.8 0.0 30.0
TP	88.50	78.25	
123 + 70.11	77.97	78.21	6.1 6.8 F 0.7 30.0
TP	9.87	74.40	
123 + 25. FC	72.24	72.54	3.6 3.9 0.06 30.0
+ 12.5	70.88	71.17	
123 + 0 PRC	69.52	69.80	6.30 1.1 c 2.3 30.0
123 + 87.5	68.60	68.84	
122 + 75 BC	67.68	67.89	8.21 8.17 6 inch
#2 BM	79.64	71.09	6.0 x 15' H 123.775
TP	1.70	74.40	
BM	0.35	86.09	NW II F 433rd

Saturday Aug. 12. 50
H. S. Iron
Garber
Rorer

Fill Slopes

25

Alignment Page 22	Page 20	Page 30	1/2 in
126 + 08.26	85.00	86.70	1.80 1.80 c 0.37
125 + 96.76 = FC	85.10	86.40	3.40 3.88 F 0.48
BM		86.11	6.15 F 0.42
125 + 88.41 = 2' Ret.	85.05	86.20	3.45 3.67 F 0.22
7.04 on CB 7.26			
125 + 80.55 = F.L. 37' on 15' BC, 10' CB R. on 15' CB Rd	85.00	86.00	3.50 3.62 F 0.12
TP	9.63	84.12	3.30 3.06 c 0.24
125 + 69.79		85.20	
TP	9.63	82.26	1.64
125 + 21.17		84.40	2.9 2.5 c 0.4 30.0
TP	9.63	82.63	
124 + 50.11	83.95		0.3 0.2 F 0.1 3.42
TP	1.1	83.20	5.30 5.45 F 0.12
BM	0.35	86.44	

84277

Wabash Ave. 'C' Line
 Right Lane

Sta	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
-----	-------	-------	-------------	-------------	-------------	-------------	-------	-------

INDEXED
 JUN 7 1950

6+50	-0.2		198.04	1' RT				
------	------	--	--------	-------	--	--	--	--

3/1
 193/0
 908' 11
 928' 5"

6+00	1 1/2:1		197.98	1.5' RT				
------	---------	--	--------	---------	--	--	--	--

3/1
 Lift out
 sewer pipe
 Dr 17'

5+50	1:1		197.96	1' RT				
------	-----	--	--------	-------	--	--	--	--

5+00	1:1		197.45	1' RT				
------	-----	--	--------	-------	--	--	--	--

BM 1212 20111

66881
 18899
 247.14 H
 167.68' H
 185+958
 109' 24"

Wabash Ave. Right Lane C-Line

Sta.	Slope	Super Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super Slope
------	-------	-------------	-------------	-------------	-------------	-------------

8+50	1 1/2:1	198.28	4' Lt			
------	---------	--------	-------	--	--	--

16.1
13.0
4.02
29.9

2.2
16.7
F13.9
29.9

8+00	1 1/2:1	198.58	3.5' Lt			
------	---------	--------	---------	--	--	--

2.5
16.7
F14.2
29.8
17.6'

7+50	1 1/2:1	198.35	3' Lt			
------	---------	--------	-------	--	--	--

2.8
16.5
F13.7
28.6
17.6' Hold
slope of 8'

7+00	-0.2	198.25	1' Rt			
------	------	--------	-------	--	--	--

2.9
16.0
0.0
9.0 org
17.6'

201.11

Stabosh Ave. Right Lane "C" Line

Sta Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

10+50 1/2:1 .063 200.78 1' Rt. 35.33' 202.96 .063 1/2:1

7.9

+0.3
2.7
F 2.6
11.4

28

~~5.6~~
~~+0.8~~
18.7

~~2.5~~
F 2.1
13.7

-4.7
Overlap

9+92.7 1/2:1
PRC 200.08 2' Lt.

7.7
2.6
+0.7
21.3

-1.8
2.7
F 2.5
16.3

9+50 1/2:1 199.67 4' Lt.

16.5
11.0
-0.5
26.9

-1.1
16.5
F 11.9
21.9

TP

9.31

198.30

12.12

188.99

2+7 39.4
4+188+25
B-Line

9+00 1/2:1 199.23 4.5' Lt.

15.3
12.2
+0.8
29.5

19.
15.2
F 13.3
24.5

201.11

Habash Rr Right Lane "C" Line

Dec. 7-50

H.S. Tyson
Hilco
Racor
Pulley

29

Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super Slope

See BK 2074 Pg. 7 for following section

12+50 1 1/2:1 201.60 204.70 1 1/2:1

201.10
3.89
197.21
6.80
204.01
211.90
291.9

S.M. Hill
Culvert

-0.5

-3.6
4.0
F 7.6
46.4

12+20 1 1/2:1 200.50 1' RT 35' 204.50 1 1/2:1

0.6
6.8
F 6.2
9.3

-3.4
3.2
F 6.6
44.9

14+50 1 1/2:1 200.00 1' RT 35' 204.10 1 1/2:1

4.2
F 6.1
9.2

-3.0
0.2
F 3.2
39.8

TP 1.20 201.10 11.74 199.90

201.10

BM 1.24 211.64 200.40

L+ Disc
M.H. Set
Habash Rr
Victoria

11+00 1 1/2:1 .107 200.04 1' RT 35' 203.69 .107 1 1/2:1

5.8
2.9
16.3

1.7
5.8
F 7.5
11.2
1.1
8.0
F 6.9
7.3

-5.4
Overlap 7 ±

198.00

Fst Grades At Federal Blvd.
Curb Returns

Alignment 22: Grades 25 Gutter Curb Grade

Federal
+20.06 EC

83.15 83.82
3.90 ✓ ^{4.88} _{F163}

+10.03

83.34 84.00
3.71 ✓ ^{4.53} _{F0.80}

0+0 = BC. Fst.
SF Curb Return

83.28 83.95
3.77 ✓ ^{4.55} _{F0.18}

+22.07 = EC
Federal

85.05 85.72
2.00 ✓ ^{2.78} _{F0.81}

+21.38

84.70 85.37
2.33 ✓ ^{3.13} _{F1.23}

+10.69

83.95 84.62
3.10 ✓ ^{3.88} _{F1.6}

0+0 = Fst BC.
NF Curb Return

82.75 83.42
4.35 ✓ ^{5.08} _{F0.68}

88.50 At Bt. Ford Page 25
87.05 Cb Cut

30

Gutter Curb Grade

Federal
+32.07 = EC

^{6.00}
^{6.12}
c0.18 82.20 ✓

+21.38

See Page 22
For Change

^{5.80}
^{5.92}
c0.14 82.70 ✓

+10.69

^{5.40}
^{4.66}
c0.54 83.30 ✓

0+0 = BC. Fst.
SW Curb Ret.

^{4.38}
^{5.98}
c0.10 84.12 ✓

Federal
+20.06 = EC

For Change 50' Curb
Page 22

83.71
3.34 ✓

^{4.12}
^{4.78}
F0.61 84.38

+10.03

83.61
3.11 ✓

^{4.32}
^{4.36}
F0.6 84.28

0+0 = BC. Fst.
NW Curb Ret

83.73
3.32 ✓

^{4.10}
^{4.10}
c0.0 84.40

87.05 Cb Cut
88.50

Nile St.
Left Lane

Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super Slope

April 13-50
F. Sisson
D. Smith
R. Porter
Chavez
Coto

31

7° 41.06'
0-175 1 1/2 : 1 .120 173.37 25'

8.8
3.8
0.0
51.2
-5.3
8.8
F141
462.

5° 17.81'
0-225 1 1/2 : 1 .116 172.18 25'

8.0
8.5
-8.5
48.2
-41.
8.0
F121
432.

TP 8.45 168.04 0.89 159.59

3° 54.56'
0-175 1 1/2 : 1 .095 171.25 25'

2.4
2.6
-0.2
49.8
-10.8
2.4
F132
44.8.

1° 42.94'
0-200 1 1/2 : 1 .074 170.89 25'

3.0
2.7
10.3
50.1
-10.4
3.0
F134
451.

0-335 1 1/2 : 1 .063 170.52 25'
169+9385

3.4
2.6
10.8
50.1
-10.0
3.4
F134
451.

160.48 8th Ford
3071-37

Curb Grader South West Fst + Federal Blvd

Curb Grader North West
Fst + Federal Blvd.

S.M.
Aug. 23, 50
F.S. Iron
Garber
Rorer
Shepard **32**

Alignment Page 22

	Gutter	Curb Grade	Gutter	Cb Grader
+64.83 = Fwd Cb South Line Fst to West	84.45 2.60 ✓	85.00 3.79 3.23 F0.14		
+55.83 = FC 10'R	84.50 2.55 ✓	85.11 3.68 3.21 C0.07	+50.16 = FC Federal	84.74
+47.97 = Z 10'R	84.55 2.50 ✓	85.17 3.60 3.53 C0.07	+37.62	84.38
+40.12 = P.C.C.	84.50 2.55 ✓	85.17 3.62 3.68 F0.06		
+30.09 = P.C.C.	83.95 3.10 ✓	4.17 4.96 84.62 3.79 C0.20	+25.08	84.28
+20.06	82.82 4.23 ✓	5.30 5.77 83.49 F0.47 C3.71	+12.54	84.45
+10.03	81.68 5.37 ✓	6.44 6.68 82.35 F0.34 C6.04		
0+00 = BC Federal R18.81	81.11 5.97 ✓	7.01 7.38 81.78 F0.37 C6.44	0+0 = BC FST	84.89
BM 2+20	88.79	86.09		
cbat 0+96	87.05	86.09		

M.V. E
Fst + 33rd.

Nile St.
Right Lane

April 10-50
W. S. ...
D. Smith
R. ...
Chavez
Cota

33

Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super Slope

0-725 24' 173.27 .023 1:1

23.1
56
C 175
71.5
56
40.4
76.5

0-775 24' 172.39 .008 1:1

24.0
27
C 163
70.5
77
43
40.4
46.3 X

0-825 24' 171.37 .033 1:1

25.0
40.0
C 150
39.0
10.0
47
40.3
47.0

TP 1268 196.37 .092 183.69

0-875 24' 170.09 .04 1:1

14.5
12
C 133
37.5
12
09
40.3
42.3

184.61 87 Ford 2071-27

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
------	-------	-------	----------------	----------------	----------------	----------------	-------	-------

BM

9.07 153.84

 L+T M.H.
 70' Lt. 164.45
 153.85

2.17 162.91 11.27 160.74

0.59 172.01 12.49 171.42

TP 0.46 183.91 12.92 182.45

0-592.56 24' 175.07 .104 1:1

 21.3.
 + 1.5
 C 22.8
 46.8

 412 Exclain
 51.8

0-625 24' 174.75 .087 1:1

 21.6.
 0.7
 C 20.9
 44.9

 0.7
 + 0.2
 + 0.9
 49.9

0-675 24' 174.13 .055 1:1

 22.3.
 4.3
 C 17.9
 41.9

 4.3
 2.2
 + 1.5
 46.9

Mile St. Under pass

April 14-50
H.S. 8807

	Lt	Rt		
0-75.08 POC End of Grading	23.0	5.0	176.00	14

INDEXED
JUN 7 1950

0-54.00 - BCR	23.0	5.0	173.80	
---------------	------	-----	--------	--

0-25	20.5	3.5	172.90	
------	------	-----	--------	--

0+0	20.5	3.5	172.50	07
-----	------	-----	--------	----

0+50 - NY Grading	20.5	3.5	171.90	02 Diag
-------------------	------	-----	--------	---------

55.7
57.8
249

1/11 1/2
211

231.74

3.80

55.7
14.7
20.7

229.43

35
Top Hill
Mile St.

209.317

TP	2.31	231.74	3.80	229.43
----	------	--------	------	--------

TP	11.02	232.23	0.01	221.21
----	-------	--------	------	--------

TP	12.57	221.22	0.66	208.65
----	-------	--------	------	--------

23.3
23.5
C 31.9

44.0 = 60 ft
178.52
C 15.0

NY Bridge line

209.317
3rd Ford 2071-41

35.5
20.1
C 15.4

26.5 = 15 ft
175.52
5th Bridge line

6.0
9.6
F 7.6

13.36 = NY Bridge
2.58

6.0
10.7
F 4.7

26.25 = Line Bridge

6.6
9.6
F 3.0

13.36 = NY Bridge
2.58

6.6
11.1
F 4.5

26.25 = Line Bridge

178.527
3rd Ford 2071-41

Federal Blvd. Interchange N. W. Outer Connection

Paving L.Rt
S. Lt.

36

Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super Slope

1+50 1:1 .05 E83.33
83.78 18'

12.2	16.3	16.6
12.2	16.3	16.6
0.00	0.00	0.00
27.0	22.0	6.0
8.9	17.3	12.7
+0.2	8.1	8.1
32.2	27.2	20.8

1+00 1:1 .067 E84.65
85.18 18'

8.9	14.8	15.3
8.9	8.9	9.4
+0.4	0.5.9	0.6.4
38.9	23.9	6
9.3	15.9	16.4
8.7	15.8	9.3
+0.6	0.7.6	0.7.3
29.6	12.6	6.0

0+50 1:1 .077 E85.89
86.51 18'

8.8	13.5	14.1
8.8	8.8	8.8
+0.2	0.4.7	0.5.3
27.7	22.7	6.6
9.8	14.6	15.2
9.7	14.5	9.1
+0.1	0.5.1	0.6.1
27.8	22.8	6.0

Federal Blvd.

0+00 1:1 .08 E87.12
87.76 18'
25+7238 Federal Blvd. on Rt.
Page 9

13.4	14.0
9.3	
0.4.9	

BM #1 1.96 10111
1. #2 1.08 9997

NFW
Brooklyn
10-1-1969
99.15
98.89

3 + 95.1 E 76.23
 2 + 85.48 / 76.23
 Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
 Elev. Width Width Elev. Super Slope

3 + 50 1/2:1 .023 E 77.37 77.37 40.5' 11' E 76.86 79.11 .050 -02

2 + 05.96
 2 + 95.25 FC
 2 + 00 11' E 79.37 79.72

3 + 0 out 11' E 79.84 79.97 .027 -02

2 + 75 14' E 80.32 80.43 .013 -02

2 + 50 14' E 80.81 80.81 .00 -02

2 + 00 1:1 .027 E 82.10 82.31 18'

Access Road Page 47

Pavement 37.41
 1.3 20.8 20.8 19.0
 3.2 4.3 4.3 18.7
 7.07 16.5 16.5 9.3
 53.8 48.8 37.0 6.0
 09.7 09.4
 11.0

37

3.0 19.6 19.6 18.1 17.9
 3.5 3.5 3.5 0.81 0.99
 7.05 16.6 16.6 6.02 11.0
 53.8 48.8 37.0

TP 7.15 97.01 11.25 89.86

21.9 21.4
 12.1 12.1
 09.4 09.3
 6.0 11.0

#2
 87
 76
 11.0

7.6 42.6
 6.88
 51.74
 20.3 20.3
 12.2 12.2
 07.7 07.7
 6.0 14.0

#2
 6.181 16.3
 3.7 3.7
 07.9 07.9
 30.4 6

#3P 0.55 #2 88.42 12.10 87.87 07 Sawh
 #2 99.97 17K
 101.11

North West Outer Connection

Sta.	Slope	Super	Elev.	Shdr. Width	Elev.	Shdr. Width	Super	Slope
5430	1/2:1	.02	E 72.67 72.67	40.5'	11'	E 74.67 75.07	.08	-.02
5400	1/2:1	.02	E 73.75 73.75	40.5'	11'	E 75.75 76.15	.08	-.02
4450	1/2:1	.02	E 74.88 74.88	40.5'	11'	E 76.91 77.19	.077	-.02
4400	1/2:1	.020	E 76.12 76.12	40.5'	11'	E 77.85 78.18	.067	-.02

47
Z
ft 38

6.7 +6.7 54.6	24.9 6.7 18.2 49.6	24.9 6.7 18.2 37.0	22.0 22.5 0.5 6.5	22.5 22.5 0.0 11.0	22.5 22.3 0.2 7.0
---------------------	-----------------------------	-----------------------------	----------------------------	-----------------------------	----------------------------

6.4 8.9 +0.2 54.5	24.3 6.4 17.9 49.5	24.3 6.4 17.9 37.0	22.3 10.5 11.8 8.5	21.9 10.5 11.4 11.0
----------------------------	-----------------------------	-----------------------------	-----------------------------	------------------------------

6.4 8.9 +0.2 54.5	22.3 6.4 15.9 49.0 49.0 54.5	22.3 6.4 15.9 37.0	21.3 10.2 11.1 8.0	20.9 10.2 10.7 11.0
----------------------------	---	-----------------------------	-----------------------------	------------------------------

0.22
74.43

4.7 4.1 +0.6 54.2	22.1 2.7 19.4 49.2	22.1 2.7 19.4 37.0	20.2 10.1 10.1 8.0	19.8 10.1 9.7 11.0
----------------------------	-----------------------------	-----------------------------	-----------------------------	-----------------------------

Slope E F Slope
97.01

+64 E 68.83
 68.77
 Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
 Elev. Width Width Elev. Super Slope

7+50 1 1/2:1 .02 E 68.97 E 71.01
 68.91 71.41 .08 1 1/2:1
 40' 11'

7+00 1 1/2:1 .02 E 69.73 E 71.73
 69.67 72.13 .08 1 1/2:1
 40' 11'

6+50 1 1/2:1 .02 E 70.59 E 72.59
 70.53 72.99 .08 1 1/2:1
 40' 11'

+22 .02 E 71.13 E 73.13
 71.13 73.53 .08 1 1/2:1

6+00 1/2:1 .02 E 71.60 E 73.60
 71.60 74.00 .08 1 1/2:1
 40.5' 11'

-1.9 out
 -2.0

-4.0
 1.9
 F 10.4
 8
 -4.1
 6.4
 F 10.8
 27.2
 = R. Slopes

39

4.5
 4.2
 +0.3
 348
 -2.9
 2.5
 F 5.5
 49.8
 2.7
 9.3
 F 6.1
 49.9
 -2.1
 2.6
 9.2
 F 5.7
 37.0
 0.8
 3.6
 F 3.0
 6
 -4.1
 4.7
 F 10.8
 8
 -4.9
 4.7
 F 10.2
 27.8
 0.2
 3.8
 F 3.4
 7.1
 out

3.0
 2.6
 +0.4
 537
 -2.8
 3.0
 F 5.8
 48.7
 -2.0
 3.0
 F 5.9
 37.0
 -4.9
 6.3
 F 11.3
 60
 -5.3
 6.3
 F 11.5
 28.4
 out
 6.3
 6.3
 6.0
 33.4

TP 4.47 66.87 12.94 62.40

8.7
 7.8
 +0.9
 509
 4.8
 8.7
 F 3.9
 45.9
 0.79
 4.7
 8.7
 F 4.0
 37.0
 7.534K
 3.8
 14.9
 F 12.1
 6
 14.4
 F 12.5
 29.8
 1.49
 1.51
 -0.2
 34.8

TP 15.8
 15.8
 +0.2
 350
 15.8
 15.8
 0.0
 40.0
 15.8
 15.8
 0.0
 37.0
 12.42
 74.55
 2.2
 13.7
 F 12.2
 6
 14.8
 14.4
 F 12.6
 29.9
 1.44
 1.48
 -0.4
 34.9

7.534K

0.8
 12.4
 +3.2
 52.8
 15.4
 0.8
 C 14.6
 47.8
 15.4
 0.8
 C 14.6
 37.0
 14.7
 14.0
 10.3
 8.0
 13.0
 13.0
 F 10.7
 27.1
 1.0
 12.9
 0.9
 32.1
 6.5

TP 3.08 86.97 13.12 83.89
 97.01

North West Outer Connection

Sta. Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

OK on R
9+50 1 1/2:1 .08 E68.58 67.70 17' 11' E69.54 69.94 .08 1 1/2:1

9+28.31 Mid

9+00 1 1/2:1 .08 E68.74 67.86 17' 11' E69.70 70.10 .08 1 1/2:1

8+50 11' E69.99 70.39 .08 1 1/2:1

146.54
300
8+28.31 Acc
Page 48

E.68.16 68.07 40' 11' E.70.43 70.83 .08 1 1/2:1

Lt.

5

Z

Rt.

5

40

6.6
7.7
0.8
33.1

-9.8
2.8
F7.4
28.1

-1.7
6.6
F8.3
6.6

-2.6
1.0
F12.7
6.0

-3.0
1.0
F13.1
30.7

10.7
-0.6
35.7

BM
TP

4.71

66.92

4.66

62.21

on R.P.
50.21 8+28.31
PCC Acc

6.8
7.7
-0.6
33.7

-4.8
2.8
F7.8
28.7

-1.7
6.6
F8.7
F

-2.9
1.0
Slope
NW 1/2

-3.3

Jan. 26.57
4 box c
BM 62.21
9.36
7/15.7 T

out
in slope NW corner

E70.01
70.41

1.14
5.3
F4.2
6

0.71
5.3
F4.6
1.79

5.0
4.8
F0.2
57.3

-1.2
5.0
F6.2
49.3

-1.3
5.0
F6.3
37.0E

-3.6

-4.0
5.0
F10.5
26.8

out

66.87

March 21-50
start 9+50 S

S

41

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
------	-------	-------	-------------	-------------	-------------	-------------	-------	-------

TP 10.16 72.65 4.43 62.47

11+50	1/2:1	.08	E 69.38 68.50	17'	11'	E 70.34 70.74	.08	1/2:1
-------	-------	-----	------------------	-----	-----	------------------	-----	-------

4.8	-1.6	-2.5	-3.4	-3.8	5.8
5.3	4.8	4.8	5.8	5.8	5.8
-0.5	F 6.7	F 7.3	F 7.2	F 9.6	70.7
31.2	26.6	30.5	60.5	25.7	30.4

11+00	1/2:1	.08	E 68.97 68.09	17'	11'	F 69.93 70.33 Culvert		
-------	-------	-----	------------------	-----	-----	-----------------------------	--	--

6.8	-1.2	-2.1	-3.0	-3.4	1.1
6.8	6.8	6.8	7.4	7.8	4.3
+0.2	F 8.0	F 8.9	F 7.4	F 7.8	70.1
34.0	29.0	30.0	6.0	22.7	27.7

10+50	1/2:1	.08	E 68.70 67.82	17'	11'	E 69.66 70.06	.08	1/2:1
-------	-------	-----	------------------	-----	-----	------------------	-----	-------

7.0	-0.9	-1.8	-2.7	-3.1	1.6
7.1	7.0	7.8	7.7	7.7	1.6
-0.7	F 7.9	F 8.8	F 7.7	F 7.8	+0.2
33.9	28.9	30.0	6.0	22.7	27.7

10+00	1/2:1	.08	E 68.57 67.69	17'	11'	E 69.53 69.93	.08	1/2:1
-------	-------	-----	------------------	-----	-----	------------------	-----	-------

7.2	-0.8	-1.7	-2.6	-3.0	5.9
7.3	7.2	7.2	6.9	6.9	5.6
-0.1	F 8.0	F 8.9	F 8.5	F 8.9	+0.3
34.0	29.0	30.5	6.0	24.4	29.4

66.92

North West Outer Connections

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
13+50	1 1/2:1	.078	E72.48 71.63	17'	11'	E73.41 73.00	.078	1 1/2:1

4.3	+1.0	+0.1	-0.8	-1.2	7.2
5.1	5.3	5.2	7.2	7.2	7.2
+0.2	+4.3	-5.2	F8.0	F8.4	0.0
28.5	23.5	6.0F	6.0F	23.6	28.6

Corrected	2.62	72.58		69.96	* 0.07171111
TP			2.62	70.03	75.64 109+0
					69.96
					* 2071-8

13+00	1 1/2:1	.08	E71.47 70.59	17'	11'	E72.43 72.03	.08	1 1/2:1
-------	---------	-----	-----------------	-----	-----	-----------------	-----	---------

7.3	2.1	1.2	+0.2	-0.2	7.7
7.0	7.0	7.3	7.2	7.2	7.7
+0.3	+5.2	F6.7	F7.0	F7.4	+0.1
29.8	24.8	8.0	8.0	22.1	27.1

12+50	1 1/2:1	.08	E70.64 69.76	17'	11'	E71.60 72.00	.08	1 1/2:1
-------	---------	-----	-----------------	-----	-----	-----------------	-----	---------

7.4	2.9	2.0	1.1	3.7	8.1
7.1	7.1	7.4	8.1	7.7	8.1
+0.3	+4.5	F5.4	F7.0	F7.4	0.0
28.8	23.8	8.0	8.0	22.1	27.1

12+00	1 1/2:1	.08	E69.93 69.05	17'	11'	E70.89 71.29	.08	1 1/2:1
-------	---------	-----	-----------------	-----	-----	-----------------	-----	---------

9.2	3.6	2.7	1.8	1.4	9.5
9.1	9.2	9.2	9.5	9.6	9.5
-0.2	+5.6	F5.5	F7.7	F8.1	+0.2
30.4	25.4	6.0F	6.0F	22.2	28.2

72.65

Sta.	Slope	Super	shdr. Elev.	shdr. Width	shdr. Width	shdr. Elev.	Super	Slope
------	-------	-------	----------------	----------------	----------------	----------------	-------	-------

15+50	1 1/2:1	.02	E 77.68 77.46	17'	11'	E 77.92 78.02	.02	1 1/2:1
-------	---------	-----	------------------	-----	-----	------------------	-----	---------

4.9	-4.9	-5.1
3.6	4.0	4.0
+0.4	F 8.9	F 9.1
35.4	30.4	6.0 F

15+00	1 1/2:1	.04	E 76.41 75.97	17'	11'	E 76.89 77.09	.04	1 1/2:1
-------	---------	-----	------------------	-----	-----	------------------	-----	---------

3.9	-3.4	-3.8
3.4	3.9	3.9
+0.5	F 7.9	F 7.7
33.0	28.0	6.0

+6.1'	FC.		E 75.33 74.71	17'				
-------	-----	--	------------------	-----	--	--	--	--

4.1	-2.1	-2.8
3.6	4.1	4.1
+0.5	F 6.2	F 6.9
31.3	26.3	7.0

14+50	1 1/2:1	.058	E 75.00 74.36	17'	11'	E 75.69 75.98	.058	1 1/2:1
-------	---------	------	------------------	-----	-----	------------------	------	---------

4.3	-1.8	-2.4	-3.1	-3.4
3.8	4.3	4.3		
+0.5	F 6.7	F 6.7		
31.2	26.2	6.0		
			out in	Slope Warab

14+00	1 1/2:1	.07	E 73.69 72.92	17'	11'	E 74.53 74.86	.07	1 1/2:1
-------	---------	-----	------------------	-----	-----	------------------	-----	---------

5.1	-0.3	-1.1	-2.0	-2.3
5.0	5.4	5.1	6.2	6.2
+0.1	F 5.4	F 6.2	F 8.2	F 8.5
30.1	25.1	6.0 F	6.0 F	23.8
				Too Slope Warab

72.58

North West Outer Connection

Sta. Slope Super Shdr. Shdr. Shdr. Shdr. Super Slope
 Elev. Width Width Elev.

17+50 1 1/2:1 .038 E 81.72
 82.13 17'

7.0
 7.2
 -0.2
 7.0
 7.2
 -0.2
 7.0
 7.2
 -0.2
 7.0

17+00 1 1/2:1 .03 E 80.81
 81.14 17'

7.1
 7.2
 -0.1
 7.1
 7.2
 -0.1
 7.1
 7.2
 -0.1
 7.1

16+50 1 1/2:1 .018 E 79.85
 80.04 17'

8.0
 8.2
 -0.2
 8.0
 8.2
 -0.2
 8.0
 8.2
 -0.2
 8.0

TP 7.77 76.91 3.44 69.14

16+00 1 1/2:1 0 E 78.82
 78.82 17'

3.5
 3.5
 -0.2
 3.3
 3.5
 -0.2
 3.3
 3.5
 -0.2
 3.3

78.58

Sta. Slope Super. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super Slope

18+9.97 1/2:1 .04 E. 83.89
84.33 17'

18+50 1/2:1 .04 E. 83.27
83.71 17'

18+00 1/2:1 .04 E. 82.53
82.97 17'

BM 4.01 79.27

TP 8.18 82.58 1.57 75.40

3.6	-7.4	-7.0
3.6	3.6	3.6
0.0	F 11.0	F 10.6
38.5	33.5	6'E

	7	
-4.4	-6.8	-6.4
5.1	5.1	5.1
-0.7	F 11.2	F 10.8
39.8	34.8	6.0
	33.8	

6.1	-6.1	-5.6
6.7	6.1	6.1
-0.6	F 12.2	F 11.7
40.3	35.3	6.0E

2015 M.H.R.
100' 116+10
Woburn
79.26
#2071-10

96.91

Access Road

March 30-50

Final Grader

Paving 10' RT
10' LT

J. Sisson
O. Smith
Roner
Chavez
Cota

LT.
S

RT

46

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
------	-------	-------	-------------	-------------	-------------	-------------	-------	-------

1+50	1/2:1	.05	E 89.22 89.22	13.5'	14'	E 90.22 90.22	.050	1:1
------	-------	-----	------------------	-------	-----	------------------	------	-----

115.2
110.2
0.8
13.5
4.4
4.1
+0.3
23.3
114
17.5
17.3

119.1
114
07.5
10.0

10.55
12.7
F 2.3
17.3
10.9
8.5
0.34
16.4
8.5
6.0
21.4

1+00	1/2:1	.037	E 93.55 93.55	13.5'	14'	E 94.29 94.29	.037	1:1
------	-------	------	------------------	-------	-----	------------------	------	-----

7.18
7.18
08.00
15
3.8
3.2
+0.6
20.4
7.6
3.8
03.8
15.4

7.6
3.8
03.8
10.0

6.8
6.0
0.8
14.8
6.8
6.0
-0.8
19.8

0+50	1/2:1	.003	E 96.65 96.65	13.5'	14'	E 96.91 96.71	.003	1/2:1
------	-------	------	------------------	-------	-----	------------------	------	-------

4.08
3.8
01.28
10.5
3.2
3.1
+0.1
19.2
15
3.2
01.2
14.2

4.5
3.2
01.3
10.0

4.98
4.2
0.78
15.2
4.2
3.2
F 0.8
15.2
5.7
5.7
-0.5
20.2

0+00	1/2:1	.03	E 98.30 185	13.5'	14'	E 97.70 98.89	.03	1:1
------	-------	-----	----------------	-------	-----	------------------	-----	-----

Finish Grader
1.41
2.85
20.24
10.25
2.8
2.2
+0.6
24.0
2.8
2.8
0.3
19.0

8.04
8.0
14
3.4
3.2
F 0.3
19.5
3.7
3.9
-0.2
19.5

Finish
B.M.

185

100.74

98.89

N.E. Mon
Broadway
+341 East
New

B.M.

1.96

101.11

99.15

N.E. Mon
Broadway
+341 East

Sta. Slope Super. Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super. Slope

Sec 111, O.C. Page 37

TP

985 78.41

072 2840
Federal
78.86
2116-9

9.96
8.87
-1.87
13.5

2795.98 EC 1/2:1 .04 E 78.30
78.30 13.5'
3788.71 NW 1/4

7.1 22.8 22.8
7.0 21 21
+0.1 C 15.7 C 15.7
26.1 31.4 10.0

2750 1/2:1 .05 E 80.21
80.21 13.5'

8.05
7.30
-0.75
13.5

7.7 20.9 20.9
6.9 17 17
+0.8 C 13.2 C 13.2
25.1 20.1 10.0

2720 1/2:1 .05 E 84.30
84.30 13.5' 14' E 85.30
85.30 .05 1:1

2.96
2.26
0.9
13.5

16.8
5.6
-11.2
19.1

16.8
5.6
-11.2
100.2

15.8
9.7
-6.1
10.0

15.8
9.7
-6.1
20.1

9.7
10.0
-0.3
25.1

TP. E 1106 8.52 8826 13.00 87.74

100.74

101.11

Access Road

Sta	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope				
9+50	1 1/2:1	.064	E66.48 65.29	13'	10'	E66.76 66.76	.064	1 1/2:1	$\begin{array}{r} 6.0 \\ \hline 9.9 \\ 13 \end{array}$	$\begin{array}{r} 5.8 \\ \hline 10.2 \\ 10 \end{array}$	4.5	$\begin{array}{r} 4.5 \\ \hline 5.4 \\ 11.4 \\ \hline 7.6 \\ \hline 2.2 \end{array}$
+23					10'	67.26			$\begin{array}{r} 9.1 \\ \hline 2.1 \\ \hline 11.2 \\ \hline 0.0 \\ \hline 26.1 \end{array}$	$\begin{array}{r} 3.7 \\ \hline 11.4 \\ \hline 21.1 \\ \hline 7.7 \\ \hline 7.6 \\ \hline 17.0 \end{array}$		$\begin{array}{r} 2.2 \\ \hline 2.8 \\ \hline 9.8 \\ \hline 20.2 \end{array}$
9+00	1 1/2:1	.08	E66.02 65.78	12'	10'	E67.62 67.62	.08	1 1/2:1	$\begin{array}{r} 8.7 \\ \hline 8.4 \\ \hline 10.3 \\ \hline 26.3 \end{array}$	$\begin{array}{r} 3.7 \\ \hline 3.7 \\ \hline 10.5 \\ \hline 21.3 \end{array}$		$\begin{array}{r} 3.6 \\ \hline 3.6 \\ \hline 17.1 \end{array}$
8+50	1 1/2:1	.074	E66.77 66.55	16'		E68.25			$\begin{array}{r} 6.9 \\ \hline 6.7 \\ \hline 10.5 \\ \hline 24.8 \end{array}$	$\begin{array}{r} 1.7 \\ \hline 8.2 \\ \hline 33.5 \\ \hline 31.3 \\ \hline 2.8 \\ \hline 6.7 \\ \hline 10.5 \\ \hline 19.8 \end{array}$		$\begin{array}{r} 4.5 \\ \hline 8.7 \\ \hline 10.7 \\ \hline 2.8 \\ \hline 8.9 \\ \hline 17.7 \\ \hline 10.0 \end{array}$
P.C.E.			E67.21 67.03	5'		E68.41			$\begin{array}{r} 4.2 \\ \hline 6.6 \\ \hline 6.7 \\ \hline 0.7 \\ \hline 25.1 \end{array}$	$\begin{array}{r} 4.2 \\ \hline 7.9 \\ \hline 29.2 \\ \hline 21.2 \\ \hline 6.7 \\ \hline 20.4 \end{array}$		$\begin{array}{r} 4.8 \\ \hline 4.8 \\ \hline 11.0 \\ \hline 11.6 \\ \hline 10.0 \end{array}$
8+28.39	1 1/2:1	.06	67.03	13'					$\begin{array}{r} 2.8 \\ \hline 2.8 \\ \hline 2.8 \\ \hline 2.8 \\ \hline 2.8 \end{array}$		$\begin{array}{r} 2.8 \\ \hline 2.8 \\ \hline 2.8 \\ \hline 2.8 \\ \hline 2.8 \end{array}$	

F7.7 = P.I. Toss 10%
21.6 9+48 H.W.C.

17 H.W.C. slope

3.0
3.2
FL3
11.8

4.2

on RPHub
50' at
8+28.39
Page 40

B.M.

+2

Sta. Slope Super Shdr. Shdr. Shdr. Shdr.
Elev. Width Width Elev. Super. Slope

11+07 — .04 E. 65.25 65.13 13' 10' E. 65.25 65.25 .04 —
 2.9
2.5
+0.4
18.9

11+91 — .04 E. 65.15 65.11 13' 10' E. 65.15 .04 1 1/2:1
 3.8
2.9
0.9
13.9

+80 — .04 E. 65.07 64.95 13' 10' 2 65.07 .04 1 1/2:1
 4.0
3.9
+0.1
13.0

10+50 1 1/2:1 .04 E. 64.85 64.73 13' 10' E. 64.85 64.85 .04 1 1/2:1
 6.5
6.5
0.0
134.2
1.2
+1.0
216

10+00 1 1/2:1 .04 E. 65.09 64.97 13' 10' E. 65.79 65.79 .03 1 1/2:1
 9.5
9.7
0.2
+1.0
26.3

6.1 6.0 6.0

3.7
2.9
0.8
17.0

6.3
6.3
0.0
13.0

4.0
3.9
+0.1
13.0

6.5
6.5
0.0
134.2
1.2
+1.0
216

6.3
6.3
0.0
13.0

9.5
9.7
0.2
+1.0
26.3

6894
#27185

50

Federal Blvd. Interchange

N.E. Outer Connection

Sta. Slope Super Shdr. Shdr. Shdr. Shdr. Super Slope
Elev. Width Width Elev.

1+50 1:1 .094 E. 71.19
70.63 18' 7 Ditch
100' Lt

1+25 1:1 .08 E. 71.89
71.41 18'

1+00 1:1 .066 E. 72.67
72.27 18' 2 Ditch
100' Lt

0+75 1:1 .055 E. 73.43
73.10 18'

0+50 1:1 .046 E. 74.16
73.86 18' 2 Ditch
100' Lt

0+25 1:1 .041 E. 74.84
74.54 18'

0+00 1:1 .04 E. 75.47
75.17 18' 2 Ditch
100' Lt

Sheet 34 Profiled F.P. 8' Lt
" 30-31 Grader " 6' Rt
March 13-50
H. Simon
D. Smith
R. R. Roper
R. J. W. Clark
51
Slope R.P.

LT-NE
RP Slope E F
 $\frac{73}{63} + 1.10 = 92.7$
 $\frac{77.0}{73} = 1.055$
 $\frac{76.5}{73} = 1.048$
c 69.7 c 69.2
877 8

$\frac{62}{52} + 1.10 = 93.2$
 $\frac{75.4}{62} = 1.216$
 $\frac{75.0}{62} = 1.290$
c 69.2 c 68.8
872 8

$\frac{67}{56} + 1.12 = 90.1$
 $\frac{73.8}{67} = 1.101$
 $\frac{73.5}{67} = 1.099$
c 67.1 c 66.8
85.1 8

$\frac{71}{52} + 1.12 = 88.4$
 $\frac{72.5}{71} = 1.021$
 $\frac{72.2}{71} = 1.017$
c 65.4 c 65.1
83.4 8.2

TP 4.68 147.64 5.65 142.96
BM 12.21 143.61 131.40
0+7 100' RP
3+0 N FOC
3071-7

Sta. Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

3+50	1:1	.12	E. 68.17 67.45	18'	12'	E. 69.85 70.09	.12	Daylight
3+25	1:1	.12	E. 68.38 67.66	18'	12'	E. 70.06 70.30	.12	Daylight
3+00	1:1	.12	E. 68.60 67.88	18'	12'	E. 70.28 70.52	.12	Daylight
2+75	1:1	.12	E. 68.84 68.12	18'	12'	E. 70.52 70.76	.12	Daylight
2+50	1:1	.12	E. 69.14 68.42	18'	12'	E. 70.82 71.06	.12	Daylight
2+25	1:1	.119	E. 69.50 68.79	18'	12'	E. 71.16 71.40	.119	Daylight
2+00	1:1	.114	E. 69.96 69.28	18'	14'	E. 71.55 72.46	.114	Daylight
1+75	1:1	.105	E. 70.52 69.89	18'	14'	E. 71.99 72.89	.105	Daylight

Lt.
slope

13.2
13.2
+0.7
13.9
90' off
of 2
69.5
69.2
69.3
77.3
77.3
68.8
68.2
68.6
8

BM

5.59 131.89

100' 1/4 of 2
3+0

Ditch 7.8
95' off
of 2
7.2
+0.6
84.3
69.1
69.2
69.3
79.3
68.4
68.8
68.6
8

5.0
2.6
+0.4
88.6
100'
68.6
68.0
68.8
83.6
67.8
67.8
67.8
8

TP

0.39 136.98 110.5 136.59

9.8
9.8
+0.7
9.1
100' off
Ditch
78.4
78.2
78.6
86.6
76.7
76.8
76.8
8

147.64

North East Outer Connection

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super.	Slope	R.P.	Slope	E	Slope					
470						E67.93 68.44						4.6 4.1 4.6 +0.30 77.0 0.75262 5.65					
									TP	0.48	72.58	13.05 + 89.80					
5+50	1:1	.12	E.66.41 65.69	18'	11.75'	E68.09 68.33	.12	3/4:1	8.0 7.6 +0.4 34.5	19.5 8.0 29.5	18.7 8.0 c107.8	17.1 5.9 c112.0	21.5 7.8 c109.0 119.7				
5+25	1:1	.12	E66.63 65.91	18'	11.75'	E.68.31 68.55	.12	3/4:1				89.80	21.9 8.4 3.5 2.5 2.2				
									TP	0.97	85.15	12.93	84.18 21.3 2.2				
5+00	1:1	.12	E.66.85 66.13	18'	11.75'	E.68.53 68.77	.12	3/4:1	2.9 2.9 0.0 31.1	31.0 2.9 46.1	30.3 2.9 c27.4 8.0	28.4 2.9 c27.6	28.1 2.9 c27.8 100.7				
									TP	2.80	97.11	13.13	94.31				
4+75	1:1	.12	E67.07 66.35	18'	11.75'	E68.75 68.99	.12	3/4:1					0.7 58.6 7+50				
									TP	0.26	107.44	7.48	107.18				
4+50	1:1	.12	E67.29 66.57	18'	11.75'	E68.97 69.21	.12	3/4:1	End 7.5 7.2 Ditch 40.3 80.44 83.6	48.1 7.5 c106.5 58.6	47.4 7.5 c39.9 8	45.7 7.5 c39.4 6.0 89.80	45.5 7.5 c39.3 13.45 29.5 20.6 6.3 c14.5 22.5 27.5				
4+25	1:1	.12	E.67.51 66.79	18'	12'	E69.19 69.43	.12	End Daylight					TP	2.19	114.66	13.26	111.47
4+00	1:1	.12	E.67.73 67.01	18'	12'	E69.41 69.65	.12	Daylight	8.3 8.0 Ditch 40.4 85.44 72.4	57.7 8.3 c49.4 87.4	57.0 8.3 c48.7 8		81.5 106+62 61 100 11				
3+75	1:1	.12	E.67.95 67.23	18'	12'	E69.63 69.87	.12	Daylight					TP	0.92	124.73	13.17	122.81
															136.98		

March 29-50

54

Sta Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

7+50 1 1/2:1 .12 E.64.65
63.57 17' 11' E.66.93
66.93 .12 1 1/2:1

7.5
7.2
+0.3
87.2
-26.
2.5
F10.1
32.2
-3.7
2.5
F11.2
8.0F
-5.4
16.4
F15.8
6.0F
-6.0
10.4
F16.4
35.6
10.4
10.1
+0.3
40.6

7+25 1 1/2:1 .12 E.64.87
63.79 17' 11' E.66.55
67.15 .12 1 1/2:1

7+00 1 1/2:1 .12 E.65.09
64.01 17' 11' E.66.77
67.37 .12 1 1/2:1

8.3
8.6
-0.3
39.0
-3.0
8.3
F11.3
34.0
-4.1
8.2
F12.4
8.0
-5.8
9.6
F15.4
6.0
-6.4
9.6
F16.0
35.0
9.6
9.8
-0.2
40.0

6+75 1 1/2:1 .12 E.65.31
64.23 17' 11' E.66.99
67.59 .12 1 1/2:1

6+50 1 1/2:1 .12 E.65.53
64.45 17' 11' E.67.21
67.81 .12 1 1/2:1

7.3
7.1
-0.2
38.2
-3.5
7.3
-10.8
33.2
-4.6
7.3
F11.9
8.0
-6.2
9.3
F15.5
6.0
-6.8
9.3
F16.1
35.2
9.3
9.5
-0.2
40.2

6+25 1 1/2:1 .12 E.65.75
64.67 17' 11' E.67.43
68.03 .12 1 1/2:1

6+00 1 1/2:1 .12 E.65.97
64.89 17' 11' E.67.65
68.25 .12 1 1/2:1

1.3
1.0
+0.3
29.8
-3.9
1.3
F5.7
24.8
-5.0
1.3
F6.3
8.0F
-6.7
1.4
F8.1
6.0F
-7.3
1.4
F8.7
24.1
1.4
1.6
-0.2
29.1

TP 1.67 60.97 13.28 59.30

5+75 1:1 .12 E.66.19
65.47 18' 11' E.67.87
68.47 .12 1 1/2:1

7.1
7.2
-0.1
23.0
7.1
4.1
6.0
F0.7
8.0

7258

North East Outer Connection

55

Sta	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope	
9+50	1 1/2:1	.12	E.62.95 61.87	17'	11'	E.64.63 65.23	.12	1 1/2:1	
$\begin{array}{r} .56 \\ .57 \\ \hline - .01 \\ \hline 30.7 \end{array}$									
$\begin{array}{r} -0.2 \\ .56 \\ \hline F 58 \\ \hline 28.7 \end{array}$									
$\begin{array}{r} -1.2 \\ .56 \\ \hline F 68 \\ \hline 80 \end{array}$									
$\begin{array}{r} -2.9 \\ .57 \\ \hline F 98 \\ \hline 80 \end{array}$									
$\begin{array}{r} -3.5 \\ .57 \\ \hline F 132 \\ \hline 263 \end{array}$									
$\begin{array}{r} 6.7 \\ 6.7 \\ \hline 0.0 \\ \hline 31.3 \end{array}$									
9+25	1 1/2:1	.12	E.63.13 62.05	17'	11'	E.64.81 65.41	.12	1 1/2:1	
$\begin{array}{r} 6.7 \\ 6.8 \\ \hline - .1 \\ \hline 32.8 \end{array}$									
$\begin{array}{r} -0.5 \\ 6.7 \\ \hline F 72 \\ \hline 27.8 \end{array}$									
$\begin{array}{r} -1.4 \\ 6.8 \\ \hline F 83 \\ \hline 80 \end{array}$									
$\begin{array}{r} -3.3 \\ 6.8 \\ \hline F 111 \\ \hline 80 \end{array}$									
$\begin{array}{r} -3.9 \\ 6.8 \\ \hline F 117 \\ \hline 286 \end{array}$									
$\begin{array}{r} 7.8 \\ 7.9 \\ \hline - .1 \\ \hline 33.7 \end{array}$									
8+75	1 1/2:1	.12	E.63.56 62.48	17'	11'	E.65.2A 65.84	.12	1 1/2:1	
TP									
8.33									
61.72									
7.58									
53.39									
8+50	1 1/2:1	.12	E.63.78 62.70	17'	11'	E.65.46 66.06	.12	1 1/2:1	
$\begin{array}{r} 6.6 \\ 6.6 \\ \hline - .08 \\ \hline 33.3 \end{array}$									
$\begin{array}{r} -1.2 \\ 6.6 \\ \hline F 82 \\ \hline 30.3 \end{array}$									
$\begin{array}{r} -2.8 \\ 6.6 \\ \hline F 93 \\ \hline 80 \end{array}$									
$\begin{array}{r} -4.5 \\ 6.8 \\ \hline F 122 \\ \hline 80 \end{array}$									
$\begin{array}{r} -5.1 \\ 6.8 \\ \hline F 132 \\ \hline 30.4 \end{array}$									
$\begin{array}{r} 7.8 \\ 7.6 \\ \hline - .2 \\ \hline 35.4 \end{array}$									
8+25	1 1/2:1	.12	E.63.99 62.91	17'	11'	E.65.67 66.27	.12	1 1/2:1	
$\begin{array}{r} 6.8 \\ 6.7 \\ \hline +0.1 \\ \hline 35.5 \end{array}$									
$\begin{array}{r} -2.2 \\ 6.8 \\ \hline F 90 \\ \hline 30.5 \end{array}$									
$\begin{array}{r} -3.2 \\ 6.8 \\ \hline F 100 \\ \hline 80 \end{array}$									
$\begin{array}{r} -4.9 \\ 6.8 \\ \hline F 127 \\ \hline 80 \end{array}$									
$\begin{array}{r} -5.5 \\ 6.8 \\ \hline F 141 \\ \hline 326 \end{array}$									
$\begin{array}{r} 8.9 \\ 9.0 \\ \hline - .1 \\ \hline 37.6 \end{array}$									
8+00	1 1/2:1	.12	E.64.21 63.13	17'	11'	E.65.89 66.49	.12	1 1/2:1	
$\begin{array}{r} 6.8 \\ 6.7 \\ \hline +0.1 \\ \hline 35.5 \end{array}$									
$\begin{array}{r} -2.2 \\ 6.8 \\ \hline F 90 \\ \hline 30.5 \end{array}$									
$\begin{array}{r} -3.2 \\ 6.8 \\ \hline F 100 \\ \hline 80 \end{array}$									
$\begin{array}{r} -4.9 \\ 6.8 \\ \hline F 127 \\ \hline 80 \end{array}$									
$\begin{array}{r} -5.5 \\ 6.8 \\ \hline F 141 \\ \hline 326 \end{array}$									
$\begin{array}{r} 8.9 \\ 9.0 \\ \hline - .1 \\ \hline 37.6 \end{array}$									
7+75	1 1/2:1	.12	E.64.43 63.35	17'	11'	E.66.11 66.71	.12	1 1/2:1	

80.97

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super.	Slope
------	-------	--------	-------------	-------------	-------------	-------------	--------	-------

11+25	1 1/2:1	103	E. 62.53 61.60					
11+25	1 1/2:1	112	E. 62.43 61.42	17'				
11+20	1 1/2:1	112	E. 62.40 61.42					
10+75	1 1/2:1	118	E. 62.40 61.34	17'	11.75'	E. 64.05 64.73	118	1 1/2:1
10+50	1 1/2:1	112	E. 62.44 61.36	17'	11'	E. 64.12 64.72	112	1 1/2:1
10+25	1 1/2:1	112	E. 62.53 61.45	17'	11'	E. 64.21 64.81	112	1 1/2:1
10+00	1 1/2:1	112	E. 62.65 61.57	17'	11'	E. 64.33 64.93	112	1 1/2:1
9+75	1 1/2:1	112	E. 62.78 61.70	17'	11'	E. 64.46 65.06	112	1 1/2:1

110x16.50
62.95T, FA. 18. 1/17

	6.2 6.0 +0.2 29.1	1.5 6.2 F. 4.7 24.1	0.5 6.2 F. 5.7 8.					
BM				5.15	62.08			L.D. 2 P. Fiederolt EXIST. Pav. 62.12
TP		8.95	67.23	2.44	58.28			
	5.8 5.8 0.0 30.1	+0.4 5.8 F. 5.4 25.1	-0.7 5.8 F. 6.5 8.0	-2.3 7.0 F. 9.3 6.0	-2.0 7.0 F. 10.0 26.8			7.0 7.5 -0.5 31.8
	5.6 5.3 +0.3 29.8	+0.4 5.6 F. 5.2 24.8	-0.7 5.6 -6.3 8.0	-2.4 7.1 F. 9.3 6.0	-2.0 7.1 F. 10.1 26.2			7.1 7.0 0.1 31.2
	4.6 4.6 0.0 28.6	+0.2 4.6 F. 4.4 23.6	-0.9 4.6 F. 5.5 8.0	-2.6 5.6 F. 9.2 6.0	-2.2 5.2 F. 9.8 25.7			6.6 6.6 0.0 30.7

North East Outer Connection

57

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
12+50	1 1/2:1	.06	E 62.96 62.42	17'				
12+25	Wing Wall							
12+00	Culvert							

Federal Blvd. Interchange N. W. Inner Loop

Sta. Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

March 15-50
H. Sisson
D Smith slope
Rorer Lt
Chavez Lt

E.P.
C.Rt
S.Lt
Slope
Rt

58

1+50								
1+50	-02	.12	E. 63.68 62.60	17'	12'	E. 65.36 65.60	.12	1:1
1+25	-02	.12	E. 63.00 61.92	17'	14'	E. 64.68 65.1	.12	1:1
1+00	-02	.12	E. 62.35 61.27	17'	11'	E. 64.03 64.63	.12	Daylight
0+75	1:1	.17	E. 61.77 61.07	18'	13'	E. 63A1 64.23	.17	Daylight
0+50	1:1	.14	E. 61.35 60.73	18'				
0+25	1:1	.085	E. 61.05 60.53	18'				
0+00	1:1	.065	E. 60.79 60.40	18'				

	9.0 9.6 -0.6 290	9.0 9.0 0.0 22.0	7.9 7.9 F.L. 8"	6.2 3.5 0.37 6.0	6.0 3.5 0.37 15.5	2.5 1.8 10.7 34.5
TP		3.11	71.60	12.51	68.49	
	19.5 30.1 -0.6 35.0	61.46 19.5 19.5 6.0 30	18.0 19.5 F.L. 8"	16.3 9.7 0.6 8	15.9 9.7 0.6 30.2	9.7 2.0 20.7 25.2
	11.3 11.3 -0.3 31.4	19.7 11.3 0.4 26.7	18.6 11.3 0.73 8.0	17.0 7.0 0.6 7 F	16.4 7.0 0.6 20.4	
	8.4 9.2 -0.8 34.5	19.9 8.2 0.1 29.5	19.3 8.2 0.8 8.0			
	5.0 6.4 -1.4 38.3	20.3 5.0 0.5 33.3	19.1 5.0 0.5 8.0			
TP		1.96	31.7 31.7 31.7 15.2 -1.3 40.5	81.00	12.20	79.04
B.M.		2.75	92.24			

078 Hub
1057.498
2071-5

North West In mar Loop

Pay 6' RT
8' LT

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super Slope	Slope Lt.	RT	59				
3+50	1 1/2:1	.12	E. 69.58 68.50	17'	11'	E. 71.26 71.86	.12 1 1/2:1	8.4 8.4 0.0 38.8	-2.8 8.4 F 11.6 38.8	-3.8 8.4 F 13.2 8.0	-5.5 8.4 F 9.9 8	-6.1 8.4 F 10.0 26.0	3.9 10 -10.1 31.0	
3+25	1 1/2:1	.12	E. 68.89 67.75	17'	11'	E. 70.51 71.11	.12 1 1/2:1							
3+00	1 1/2:1	.12	E. 68.09 67.01	17'	11'	E. 69.77 70.37	.12 1 1/2:1	10.1 10.5 -0.4 39.1	-10.3 F 11.2 34.1	-7.3 10.1 F 13.4 8	-4.0 7.5 F 11.5 8	-4.6 7.5 -12.1 29.2	7.5 7.5 0.0 37.2	
2+75	1 1/2:1	.12	E. 67.95 66.27	17'	11'	E. 69.03 69.63	.12 1 1/2:1	11.2 8.8 +1.9 39.6	-0.5 11.2 F 11.7 34.6	-1.6 11.2 F 13.8 8.0	-3.3 9.7 F 13.0 8	-3.9 9.7 F 13.6 31.1	9.7 9.6 7.0 38.4	
2+50	1 1/2:1	.12	E. 66.60 65.52	17'	11'	E. 68.28 68.88	.12 1 1/2:1	7.5 7.5 10.0 33.0	0.2 7.5 F 7.3 28.0	-0.9 7.5 F 8.4 8.0	-2.5 7.3 F 9.8 8	-3.1 7.3 F 10.4 26.6	7.3 8.2 -1.1 31.6	
2+25	1 1/2:1	.12	E. 65.86 64.78	17'	11'	E. 67.54 68.14	.12 1 1/2:1	4.1 4.8 -0.7 26.7	1.0 4.1 F 3.1 24.7	-0.1 4.1 F 4.2 8.0	-1.8 3.8 F 5.7 8	-2.2 3.8 -6.0 20.0	3.1 3.2 7.0 28.0	
1+97	Col. V.		63.95			67.31								
		0.296 J ₃												
								TP	369	65.75	9.54	62.06	0.21106 212280 P ₂₀	
1+75	1 1/2:1	.12	E. 64.38 63.30	17'	11'	E. 66.06 66.66	.12 1 1/2:1	10.5 10.6 -0.1 25.2	8.3 10.5 F 2.2 30.3	7.2 10.2 F 3.0 8.0	5.5 7.3 F 1.8 8.5	4.9 7.3 F 2.4 1.6	7.3 8.4 7.1 19	
										71.6°				

Hor to West Inner Loop

Sta Slope Super. Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super. Slope

5+50 1/2:1 .12 E.73.81 72.73 17' 11' E.75.49 76.09 .12 1/2:1

5+25 1/2:1 .12 E.73.47 72.39 17' 11' E.75.15 73.75 .12 1/2:1

5+00 1/2:1 .12 E.73.07 71.99 17' 11' E.74.75 73.35 .12 1/2:1

4+75 1/2:1 .12 E.72.63 71.55 17' 11' E.74.31 74.91 .12 1/2:1

*4+50 1/2:1 .12 E.72.12 71.04 17' 11' E.73.80 74.40 .12 1/2:1

4+27 = P.I. of slope at Pt. 7+64

4+25 1/2:1 .12 E.71.57 70.49 17' 11' E.73.25 73.85 .12 1/2:1

4+00 1/2:1 .12 E.70.96 69.88 17' 11' E.72.64 73.24 .12 1/2:1

3+75 1/2:1 .12 E.70.29 69.21 17' 11' E.71.97 72.57 .12 1/2:1

BM 2221 50' RP
26' 8+28.30
69.72 100' 149.40

2.8
2.7
10.1
38.5

TP 2.22 62.85

6.5
6.8
-0.3
37.9

5 Lt

4.4
4.3
-0.3
73.5

-9.9
4.4
F14.3
38.5

3.2
3.8
-0.6
70.5

-9.1
3.2
F12.3
35.5

-5.7

65.75

L. Pt 8+21
-5.8
10.8
F16.6
6.0

-1.4
10.8
F17.2
38.8

-10.6
-11.8
F16.5
6.0

-5.9
8.9
F13.7
6.0

-11.9
3.8
F15.7
6.0

-4.4
F10.5
3.0

-4.7
F11.1
29.7

-8.1
F13.4
8.1

-5.6
-5.4
F11.7
6.5

-2.9
3.8
F6.7
6.0

60

8.9
-0.3
37.8

6.4
-0.3
33.7

-8.1
-P.I. Slope
F13.4
8.1

1.9
1.2
10.2
37.0

Hortb road Inner Loop

Sta. Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

5 Lt.

±

5 Rt

61

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super	Slope
6+96.30	1 1/2:1	.065	E.75.60 75.01	17'				
6+75	1 1/2:1	.082	E.75.28 74.54	17'				
6+50	1 1/2:1	.102	E.74.89 73.97	17'				
6+25	1 1/2:1	.116	E.74.57 73.53	17'	12.3'	E.76.19 76.92	.116	1 1/2:1
6+00	1 1/2:1	.12	E.74.33 73.25	17'	11'	E.76.01 76.61	.12	1 1/2:1
5+75	1 1/2:1	.12	E.74.10 73.02	17'	11'	E.75.78 76.38	.12	1 1/2:1

BM

6.73

51.75

N 34 8 P
Federal
+3573
51.77
3100
10.79

TP

3.16

58.48

7.53

55.82

75
75
+0.2
57.6

-12.2
12.2
F19.7
46.6

-12.8
12.8
F26.3
80

10.75
Broadway
+2.3573
BM 54.10
10.79
+64.87

114
114
+0.3
55.8

-11.1
11.1
F22.5
50.8

-12.0
12.0
F23.9
80

out on Rt.

54
49
+0.5
45.7

-10.4
10.4
F15.8
40.7

-11.5
11.5
F16.9
80

-13.2
13.2
F18.6
60.0

-13.8
13.8
F19.2
39.8

54
54
0.0
74.8

62.85

-12.9
12.9
F18.7
8

-12.5
12.5
F18.7
39.1

same
33180913
Page 13

-11.1
11.1
F19.6
4

-11.5
11.5
F19.6
37.4

Federal Blvd. Interchange
S. W. Inner Loop

Sta. Slope Super. Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super. Slope

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super.	Slope
1+75	1 1/2:1	.12	E. 69.28 68.20	17'	11'	E. 70.96 71.56	.12	1 1/2:1
1+50	1 1/2:1	.12	E. 70.38 69.30	17'	12'	E. 72.06 72.78	.12	1 1/2:1
1+25	1 1/2:1	.12	E. 71.36 70.28	17'	14'	E. 73.04 74.00	.12	1 1/2:1
1+00	1 1/2:1	.118	E. 72.24 71.18	17'	14'	E. 73.89 74.83	.118	1 1/2:1
0+75	1 1/2:1	.107	E. 73.11 72.15	17'	14'	E. 74.61 75.47	.107	1 1/2:1
0+50	1 1/2:1	.088	E. 73.97 73.18	17'				
0+25	1 1/2:1	.068	E. 74.73 74.12	17'				
0+00								

Pen & Rt
" 8' Lt
Lt
slope

April 5-50
51500
Smith
Rorer
Chavez
Cota
slope

62

5410 #2
863
12.727

Reset May 12 1950

#3

7.3
7.7
+0.1
42.7

-6.6
7.2
F 13.8
87.7

-7.7
7.2
F 12.9
80.

-8.2
7.7
F 13.3
37.0

-9.8
7.1
F 14.4
80.

-8.2
7.7
F 13.3
37.0

-11.0
7.9
F 14.9
80.

-8.9
7.7
F 13.3
35.4

OK
3.9
3.0
70.7

-12.0
7.3
F 16.3
89.1

-12.9
7.2
F 17.2
39.8

-12.8
7.7
F 15.8
80.

out in Federal

16
48
-52
44.1

-10.1
7.6
F 14.7
39.1

-11.8
7.8
F 15.8
80.

6.3
6.9
-0.7
49.5

-12.6
8.2
F 18.3
44.5

-13.9
8.2
F 19.1
80.1

8M 6.99 6.109

5410 Monday 1950
S. B. Broadway

South West Linner Loop

49
Dec. 18 50
F.S. 107
Garber
Rorer
Rimmer

Par. L'RT
" 8 ft

145 150
185 10

63

Sta. Slope Super. Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super. Slope

3475 1/2:1 .12 E. 58.93
57.85 17' 11' E. 60.61
61.21 .12 1/2:1

3450 1/2:1 .12 E. 60.23
59.15 17' 11' E. 61.91
62.51 .12 1/2:1

3425 1/2:1 .12 E. 61.53
60.45 17' 11' E. 63.21
63.81 .12 1/2:1

3400 1/2:1 .12 E. 62.83
61.75 17' 11' E. 64.51
65.11 .12 1/2:1

2475 1/2:1 .12 E. 64.14
63.06 17' 11' E. 65.81
66.41 .12 1/2:1

2450 1/2:1 .12 E. 65.43
64.35 17' 11' E. 67.11
67.71 .12 1/2:1

2425 1/2:1 .12 E. 66.73
65.65 17' 11' E. 68.41
69.01 .12 1/2:1

2400 1/2:1 .12 E. 68.04
66.96 17' 11' E. 69.72
70.32 .12 1/2:1

Reset

BM 1136 69.861 52.50

47 31
47
54
53
+0.1
31.6
-1.0
F64
26.6
-2.0
5.4
F74
8.0
2.9
8.2
F84
8
3.8
3.8
F94
8.0
1.4
8.2
F104
21.8
-1.2
11.2
F114
25.6
5.4
8.0
30.8

+2.1 11.0
1.5
4.7
-0.2
34.2
-3.6
4.5
F81
39.2
-4.7
4.5
F91
8.0
-0.7
8.2
F91
8
-1.1
11.2
F101
25.6
4.1
8.0
33.0

-0.5
8.9
F91
31.1
-6.2
3.3
F85
31.3
-1.6
7.9
F96
8
-3.3
8.2
F96
8
-3.9
8.2
F96
25.4
3.0
8.0
33.8

TP 408 58.18 699 54.10

52
58
-0.6
38.7
-5.9
5.4
F111
33.7
-7.9
5.2
F121
80.5
-8.1
8.2
F126
70.1
-8.1
8.2
F132
30.8
4.0
8.0
+0.2
35.8

43
-3.1
8.1
F112
33.8
-4.2
8.2
F122
61.09
-5.9
8.2
F126
8
-1.5
8.2
F132
27.7

M. 7 35 55 ft
S Broadway

Sout to west Inner Loop

65

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super.	Slope
------	-------	--------	-------------	-------------	-------------	-------------	--------	-------

6+75.90	1/2:1	.039	E. 53.76 53.41	17'				
---------	-------	------	-------------------	-----	--	--	--	--

6+50	1/2:1	.06	E. 53.27 52.73	17'				
------	-------	-----	-------------------	-----	--	--	--	--

6+25	1/2:1	.08	E. 52.94 52.22	17'				
------	-------	-----	-------------------	-----	--	--	--	--

TP	3.78	53.36	1.31	49.58
----	------	-------	------	-------

3.8
4.0
-0.2
30.4

-1.8
3.2
F. 56
25.4

-3.4
3.8
F. 52
80E

50.89

Federal Blvd. Interchange
S. E. Inner Loop

Pav 6' RT
8' Lt.

March 29. 56
H.S. 0099
D Smith
Rerer
Chavez
Coto

66

Sta. Slope Super Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super Slope

Sta.	Slope	Super	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super Slope
1+75	4:1	.12	E. 52.13 52.05	17'	11'	E. 54.81 55.41	.12 1 1/2 : 1
1+50	4:1	.12	E. 52.83 51.75	17'	12'	E. 54.51 55.23	.12 1 1/2 : 1
1+25	4:1	.12	E. 52.63 51.55	17'	13'	E. 54.31 55.15	.12 1 1/2 : 1
1+00	4:1	.12	E. 52.54 51.46	17'	14'	E. 54.22 55.18	.12 1 1/2 : 1
0+75	4:1	.117	E. 52.59 51.54	17'			
0+50	4:1	.104	E. 52.89 51.95	17'			
0+25	1:1	.085	E. 53.89 52.63	17'			
0+00	4:1	.065	E. 53.95 53.37	17'			

								86 86 86 86 86 324	6.0 8.6 8.6 8.6 8.6 274.	4.9 8.6 8.6 8.6 8.6 80.1	3.2 9.7 9.7 9.7 9.7 F. 6.5 6.0	2.5 9.7 9.7 9.7 9.7 F. 7.2 22.8	9.7 9.2 10.5 27.8
								81 79 79 79 79 292	6.3 8.1 8.1 8.1 8.1 24.2	5.2 8.1 8.1 8.1 8.1 8	3.5 9.0 9.0 9.0 9.0 F. 5.5 6.0	2.6 9.0 9.0 9.0 9.0 F. 6.4 23.6	Apr. 99.0 F. 4.7 51.9
								5.8 5.8 5.8 5.8 5.8 22.0	5.8 5.8 5.8 5.8 5.8 17.0	4.8 5.8 5.8 5.8 5.8 F. 1.0 8.0			
								4.4 4.4 4.4 4.4 4.4 22.0	4.4 4.4 4.4 4.4 4.4 17.0	3.8 4.8 4.8 4.8 4.8 F. 0.6 8.0			

BM

36.5

57.75

54.10

July 25. 53
Sof Good

South East Inner Loop

C. Pt
8.2f.

67

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super.	Slope
------	-------	--------	-------------	-------------	-------------	-------------	--------	-------

3+75	1 1/2:1	.12	E. 59.19 58.11	17'	11'	E. 60.87 61.47	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

3+50	1 1/2:1	.12	E. 58.20 57.12	17'	11'	E. 59.88 60.48	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

3+25	1 1/2:1	.12	E. 57.20 56.12	17'	11'	E. 58.88 59.48	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

3+00	1 1/2:1	.12	E. 56.25 55.17	17'	11'	E. 57.93 58.53	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

2+75	1 1/2:1	.12	E. 55.42 54.34	17'	11'	E. 57.10 57.70	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

2+50	1 1/2:1	.12	E. 54.69 53.61	17'	11'	E. 56.87 56.97	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

2+25	1 1/2:1	.12	E. 54.06 52.98	17'	11'	E. 55.74 56.34	.12	1 1/2:1
------	---------	-----	-------------------	-----	-----	-------------------	-----	---------

2+00	4:1	.12	E. 53.55 52.47	17'	11'	E. 55.23 55.83	.12	1 1/2:1
------	-----	-----	-------------------	-----	-----	-------------------	-----	---------

6.9 1.6 +0.3 34.2	-1.2 6.3 F8.1 29.2	-2.3 6.9 F9.2 8.0	-1.0 10.5 F14.5 6.0	-4.5 10.5 F15.0 33.5	R.P. 17 Change 1st 500
----------------------------	-----------------------------	----------------------------	------------------------------	-------------------------------	------------------------------

60.0053	TP	6.19	55.95	7.99	49.76	0.2406 2+35 P.O.C.
---------	----	------	-------	------	-------	--------------------------

8.8 8.4 +0.4 31.3	26. 8.8 F8.2 26.3	1.5 8.8 F7.3 8.0	-0.2 11.1 F11.3 6.0	-0.8 11.7 F11.9 28.9	11.1 11.2 -0.1 30.9
----------------------------	----------------------------	---------------------------	------------------------------	-------------------------------	------------------------------

9.4 9.5 -0.1 30.0	4.1 9.4 F5.3 25.0	3.1 9.4 F6.3 8.0	1.4 11.8 F10.4 6.0	0.8 11.8 F11.0 27.5	11.8 11.8 0.0 33.5
----------------------------	----------------------------	---------------------------	-----------------------------	------------------------------	-----------------------------

8.9 8.9 0.0 36.4	5.3 8.9 F3.6 31.4	4.7 8.9 F4.7 8.0	2.5 9.5 F7.0 8.0	1.9 9.5 F7.6 22.4	9.5 9.5 0.0 27.4
---------------------------	----------------------------	---------------------------	---------------------------	----------------------------	---------------------------

57.75

South East Inner Loop

6' RT
8' LT

5

5

68

Sta. Slope Super. Shdr. Shdr. Shdr. Shdr. Super. Slope
Elev. Width Width Elev.

5+75 1/2:1 .12 E. 67.16 17' 11' E. 68.84
66.08 69.44 .12 1/2:1

4.4
4.3
-0.3
42.8

-91.
F135
373.

-10.2
4.2
-12.6
8.0

5+50 1/2:1 .12 E. 66.17 17' 11' E. 67.85
65.09 68.45 .12 1/2:1

15.3
4.8
10.5
43.8

-91
F134
388

-10.2
4.8
-15.5
8.0

-11.9
5.5
F174
6.0

-12.5
5.5
F180
38.0

5.5
4.8
+0.7
43.0

5+25 1/2:1 .12 E. 65.17 17' 11' E. 66.85
64.09 67.45 .12 1/2:1

+12.19 PCC

22
7.7
70.1
43.5

-71
4.2
F143
388

-8.2
7.2
F151
8.0

-9.9
6.4
F167
6.0

-12.5
5.5
F173
37.0

6.8
7.5
10.3
42.0

5+00 1/2:1 .12 E. 64.17 17' 11' E. 65.85
63.09 66.45 .12 1/2:1

4.4
10.1
42.5

-71
4.2
F142
373

-8.2
7.2
F150
8.0

-9.9
5.1
F170
6.0

-10.5
7.1
F174
37.4

9.1
10.1
42.4

4+75 1/2:1 .12 E. 63.18 17' 11' E. 64.86
62.10 65.46 .12 1/2:1

-71

-8.2

-10.5

4+50 1/2:1 .12 E. 62.18 17' 11' E. 63.86
61.10 64.46 .12 1/2:1

7.7
7.1
70.7
40.5

-5.2
7.1
F123
353

-6.2
7.1
F133
8.0

-7.9
6.6
F162
6.0

-8.5
8.2
F168
36.2

8.3
8.0
41.3

4+25 1/2:1 .12 E. 61.18 17' 11' E. 62.86
60.10 63.46 .12 1/2:1

E. 62.81
62.91

6.0
6.8
-0.2
35.8

-3.2
6.8
F92
308.

-4.2
6.8
F102
8.0

-5.9
10.1
F160
6.0

-6.5
10.1
F166
35.9

R.P. 17
Channel
out

712 - Rip Rap on Rt

4+00 1/2:1 .12 E. 60.19 17' 11' E. 61.87
59.11 62.47 .12 1/2:1

5595

South East Inner Loop

Sta. Slope Super. Shdr. Elev. Shdr. Width Shdr. Width Shdr. Elev. Super. Slope

7+75	1 1/2:1	.093	E. 74.13 73.29	17'					
7+50	1 1/2:1	.111	E. 73.43 72.43	17'					
7+25	1 1/2:1	.119	E. 72.71 71.64	17'	11'	E. 74.38 75.09	.119	1 1/2:1	
7+00	1 1/2:1	.12	E. 71.98 70.90	17'	11'	E. 73.66 74.26	.12	1 1/2:1	
6+75	1 1/2:1	.12	E. 71.13 70.05	17'	11'	E. 72.81 73.41	.12	1 1/2:1	
6+50	1 1/2:1	.12	E. 70.15 69.07	17'	11'	E. 71.83 72.43	.12	1 1/2:1	
6+25	1 1/2:1	.12	E. 69.16 68.08	17'	11'	E. 70.84 71.44	.12	1 1/2:1	
6+00	1 1/2:1	.12	E. 68.16 67.08	17'	11'	E. 69.84 70.44	.12	1 1/2:1	

6.6 6.8 -0.2 579	-17.3' 6.6 F 23.9 52.9	-18.2' 8.6 F 24.8 8.0			
	-16.5	-17.5	out.		
7.4 7.4 0.0 587	-15.7' 7.4 F 23.7 51.7	-16.8' 7.4 F 24.3 8.0	-18.4' 8.4 F 24.8 8.0	-19.4' 8.4 F 25.5 49.3	6.4 8.2 +0.2 54.3
7.7 7.9 -0.2 581	-15.0' 7.7 F 23.7 51.7	-16.0' 7.7 F 23.7 8.0	-17.7' 7.5 F 22.3 8.0	-18.3' 7.5 F 22.8 45.2	4.5 8.5 +1.0 50.2
3.8 3.2 +0.5 47.4	-13.1' 3.8 F 16.9 42.4	-14.2' 3.8 F 18.0 8.0	-15.9' 7.1 F 23.6 8.0	-16.5' 7.1 F 23.6 46.4	7.1 8.0 +0.5 81.4
2.2 3.1 +0.7 42.0	-11.1' 2.2 F 13.3 37.0	-12.7' 2.2 F 14.4 8.0	-13.9' 3.2 F 17.1 8.0	-14.5' 3.2 F 17.7 37.6	3.2 8.7 +0.5 42.6

5595

Sta.	Slope	Super.	Shdr. Elev.	Shdr. Width	Shdr. Width	Shdr. Elev.	Super.	Slope
------	-------	--------	----------------	----------------	----------------	----------------	--------	-------

8+10.64	1/2:1	.065	E. 74.96 74.37	17'				
---------	-------	------	-------------------	-----	--	--	--	--

8+00	1/2:1	.075	E. 74.72 74.04	17'				
------	-------	------	-------------------	-----	--	--	--	--

BM

1.55 62.10

L+D P.I.
Federal
" Pay
62.12

TP

8.57

63.65

0.87

55.08

6.5	-18.4	-19.0
6.6	6.5	6.5
-0.1	F 24.9	F 25.5
59.4	54.4	80.5

out

5595

Market St East of 32nd

- Back of Prop
+ 12 02 Street

Curb Grader
Dec. 4-50
F. Sisson

Aug-10-50
H. Sisson
Garber
Poret
Bunch

71

TP 2.41 7468 11.73 72.27

Alignment 2070.3 North Curb Gr.

Gutter Gutter

South Curb Grade

7+17.62 $\begin{matrix} 11.47 \\ 11.12 \\ 11.12 \\ 0.0 \end{matrix}$ $\begin{matrix} 9.45 \\ 7.00 \\ 20.35 \end{matrix}$ 72.70

7+124 $\begin{matrix} 11.04 \\ 10.54 \\ 0.5 \end{matrix}$ 72.96

6+98.8 $\begin{matrix} 10.24 \\ 8.24 \\ 2.00 \end{matrix}$ 73.93

6+92.62 $\begin{matrix} 9.91 \\ 9.91 \\ 0.0 \end{matrix}$ $\begin{matrix} 10.24 \\ 8.24 \\ 2.00 \\ -0.1 \\ 0.066 \end{matrix}$ 73.93

6+67.62 $\begin{matrix} 8.68 \\ 9.68 \\ 0.0 \end{matrix}$ $\begin{matrix} 9.01 \\ 7.61 \\ 7.00 \\ 10.18 \\ \text{Cone} \end{matrix}$ 75.16

6+60 $\begin{matrix} 8.47 \\ 8.06 \\ 0.37 \end{matrix}$ 75.53

6+42.62 $\begin{matrix} 7.44 \\ 7.44 \\ 0.0 \end{matrix}$ $\begin{matrix} 7.77 \\ 6.27 \\ 2.00 \\ 0.72 \\ 0.07 \end{matrix}$ 76.40

6+37.4 $\begin{matrix} 6.86 \\ 6.36 \\ 0.50 \end{matrix}$ 77.14

5+98.95 $\begin{matrix} 5.28 \\ 5.28 \\ 0.0 \end{matrix}$ $\begin{matrix} 5.61 \\ 3.45 \\ 2.16 \\ 3.4 \\ \text{on Driv} \end{matrix}$ 78.56

5+78.7 $\begin{matrix} 4.65 \\ 3.90 \\ 0.55 \end{matrix}$ 79.55

5+55.28 $\begin{matrix} 3.13 \\ 3.13 \\ 0.0 \end{matrix}$ $\begin{matrix} 3.46 \\ 2.70 \\ 0.77 \\ \text{on Road} \end{matrix}$ 80.71

BM 2.63 84.00 81.37

BM 2.80 84.17 81.37

BM 1.37 83.84 81.147

73.26
9.68
74.24

74.56
8.06

75.87
7.07

77.19
5.75

81.47

South Side
Curb Stakes
BM

1.47 82.94

514 BP
Market
+32

INDEXED
JUN 7 1950

Market St. East of 82nd
New South Curb Stationing

8+80.68 B.C.H.

N.C.B. Grade

+67.62

+42.62

8+17.62

+92.62

+67.62

7+49.8 (M) H

TP

7+42.62 H.P.L. B.C.

offset 45.

74.68

84.17

71.10

11.68

71.46

12.38

83.84 T C.B. Station

See page 75
For Work

Cont 3088-24

Gutter

So. Curb
grade

72

65.34
5.16
out

10.49

10.03

60.47

+0.11 on Fence

65.84
4.64

9.93

9.11

60.82

+0.15 on Fence

67.04
3.44

8.70

7.55

61.15

+0.30 on Fence

68.29
2.19

7.48

6.33

61.33

+0.25 on Fence

69.54
0.94

6.25

3.77

62.78

-1.0

stap

TP

0.35

70.48

12.81

70.13

5.02

5.02

62.00

-1.0

stap

75.79

70.79
12.15

72.04
10.90

12.17

11.32

64.63

(M)

12.80

11.21

60.79

4

82.94 T Curb Station

Market St. East of 32nd St.

New South 1/2 Curb Stationing

Also Curb Grade

+29.30 B.C.

10+17.62

+92.62

+68.82 F.C.

12° 37.50'

TP

402 52.86 12.82 52.84

+42.62

8° 52.34'

9+17.62

5° 17.48'

8+92.62

1° 42.62'

8M

12.08

66.66

54.58

Chirp'd
4 1/2" x 5"
Curb.

66.66

May 25 50

K. J. Simon

D. Smith

R. R. R.

Chavez

Coto

73

Curb Grade

59.37

1 1/2'

F 9.7

3/16

-1.5

8.2

-1.0

3/16

8.3

8.3

-0.1

3/16

60.03

out

61.50

-3.1

10.9

-1.4

3/15

10.9

10.6

+0.7

3/15

changed

2088-16

62.33

-1.1

9.8

-1.4

3/15

9.8

10.8

-0.9

3/15

62.86

63.27

8.2

7.9

-1.5

1/8

7.9

8.3

-0.3

3/8

64.07

2.6

3.8

F 0.7

1/2' 11.1

6.3

6.3

+0.1

1/8

11.7

13.5

-0.8

64.85

out

Market St. East of 33rd St.
 New South Curb Stationing

Curb Grade

BM

11.07 50.07

NE LAT
 Market
 33rd St

11+17.60 EC
 Join Exit Curb

12° 38.90'

54.51
 Exit Curb

6.63
 6.54 07 Curb 6.6
 0.0 0.7 1.1
 11.7

+92.62

9° 04.20'

55.82

5.3
 4.8
 0.7
 10.7
 4.6
 4.7
 -0.1
 15.7

TP

4.12 61.14

0.85 57.01

+67.62

5° 29.34'

57.19

0.7
 0.7
 0.0
 10.0
 0.7
 0.8
 -0.1
 11.0

10+42.62

1° 54.48'

out

58.61

57.86

57.86

Federal Blvd & Market St. Grader
 Northwest Curb Line Stationing
 Alignment 2070

Curb Grader
 Dec. 2-50
 R. S. Brown
 Garber
 Porter
 Pullen

75

L of Z Slope

Curb Grader

+42.21 INDEXED
 JUN 7 1950

62.46
 8.23 ✓

+20.20

64.25
 7.81 ✓

6.1
 6.1
 30.0

-3.9
 6.1
 F 13.0
 23.0

60.36

TP 0.26 60.36 12.88 60.10

+98.18

65.26
 6.32 ✓

106
 102
 +0.4
 19.4

77.7
 16.6
 F 2.9
 14.7

+76.15 * 17.5 ft of Cb
 Tol. Good.

66.46
 5.80 ✓

50
 4.9
 +0.1
 16.5

64.2
 5.0
 C 1.5
 11.5

+57.41

67.51
 7.55 ✓

+35.3 = 100

59
 5.20
 60.71
 3.0

0.657

68.77

+32.05

68.95
 3.11 ✓

4.03
 4.03
 C 2.00
 12.5 on Comp
 Wall

+09.98

70.21
 1.85 ✓

TP c6 ofaker 1.33 72.06 13.11 70.73

0+0 = Curb B.C. Lt.

70.74
 13.10 ✓

2.24
 0.24
 C 2.00
 10.9 on Comp
 Wall

TP 1.05 72.98 13.01 71.93

72.98

BM 2.47 83.94 81.47

S. M. B. P.
 Market
 432 ft

83.84 Brit Ford Page 73

Curb Grade

+58.34 P.R.C.

63.83
8.33

+52.04

63.64
8.43

+30.10

63.09
8.995.0
5.9
+6.7
28.2-2.7
3.0
F 7.7
21.8

2+08.15

62.75
9.314.6
4.3
+0.3
25.5-2.4
1.6
F 7.0
20.5

+98.18

62.65
9.41

+86.18 = 17/101

62.63
9.43
9.415.1
5.3
-0.2
26.1-2.3
5.1
F 7.4
21.0

+74.18

62.71
9.35

BM

5.78

54.58

1/4 D
F 210/4
54.60
2097-15

1+64 20

62.87
9.195.3
4.9
+0.4
26.7-2.5
5.3
F 7.8
21.7720606
6036

6036

Federal Blvd + Market St. Grader
North East Curb Line Sta.

May 5-50

77

Sketch # 2070-2

Curb Grade

+31.40	3° 09' 05"	61.35	1/2" 19.4 15 c 126 163.	6.5 6.3 +0.2 21.3
	c 15' Proj. 2034			
+09.40 PCC	0° 00' 33° 49' 07"	60.28	20.3 75 c 127 164.	7.5 7.0 +0.5 21.4
+91.69	16° 51' 33"	59.40	21.1 cut	
+78.99 PCC cbr 30"	0° 00' 9° 08' 32"	58.47	22.9 15.1 17.6	1/2" 6.9 6.6 +0.3 22.6
+54.84	1° 34' 16"	57.36	1/2" 23.1 7.0 c 161 18.1.	7.9 7.2 +0.6 23.1
	c. 15' Proj. 16.74			
+35.70 B.C.R.		56.35	24.1 17.9 18.5	1/2" 7.3 6.7 +0.5 23.5
+17.85		55.45		
0 + 0.0 = Fly Project		54.65		
			Curb 0.09 low	
B.M.	6.52 80.47 3.53	73.91	07 Hub 30' Curb Rad.	
	12.83 77.44 0.95	64.61		
B.M.	10.98 65.56	54.58	Curb 0/11 11' 48" c 114	

Chan 7900
 + 20' P.P. Proj. 2034

beam
 62.16
 18.4
 4.2
 c/14.2 / page 2

1 + 754° = PRC 9° 27' 15"
 cb 62.88
 1/2" 17.6
 4.4
 c/13.2
 76.6
 1.1
 4.4
 6.0
 20.6

1 + 5340
 6° 18' 10"
 cb 62.22
 18.3
 5.3
 c/13.0
 76.5
 5.3
 5.3
 6.0
 21.5

80.47

Slopa Intersections
 Hobbs Blvd + N.E.O.C

Nov. 14-50
 ASINON
 Garbar
 Rorer
 Pullen

79

1+41.08	P.R.F.	201 ^{#1} 54 C1510 713	69.45	26.9 213 C222 787	9/11
---------	--------	---	-------	----------------------------	------

1+05.81		212 ^{#1} 43 C169 169	18.58	27.1 31 C213 243	
---------	--	--	-------	---------------------------	--

0+70.54		22.1 ^{#1} 40 C181 181	17.73	28.8 43 C259 259	
---------	--	---	-------	---------------------------	--

0+25.27		22.9 ^{#2} 52 C177 177	16.88	29.1 36 C209 209	
---------	--	---	-------	---------------------------	--

TP	9.05	95.97	208	86.92	
----	------	-------	-----	-------	--

0+0 = B.C. Rt.		23.8 ^{#2} 62 C176 176	66.03	33.0 ^{#1} 31 C202 202	1/1
----------------	--	---	-------	---	-----

opp 106+43 Hobbs
 17.60 From
 626 From
 2 Hobbs

36.9 From
 2 Hobbs

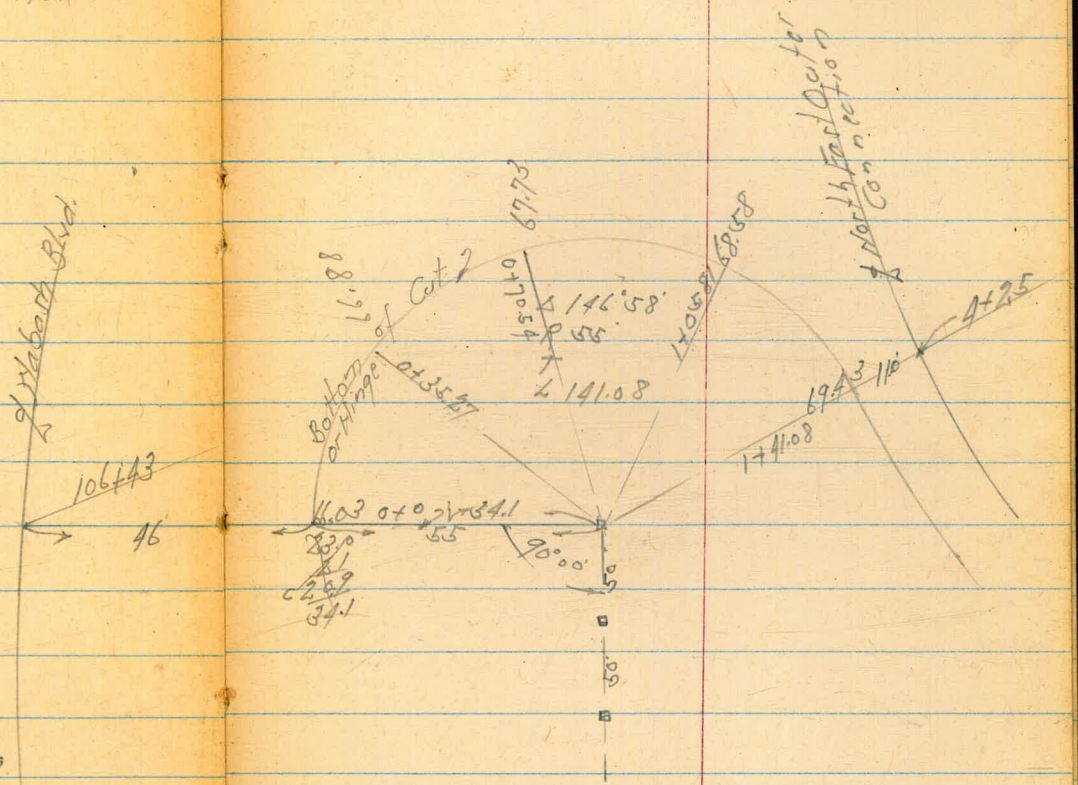
TP	850	89.00	0.14	80.50	
----	-----	-------	------	-------	--

BM ^{#2}	720	80.94		78.66	B.P.H. In lat Rt 3140 Federal
------------------	-----	-------	--	-------	----------------------------------

TP	4.63	89.80	0.70	85.17	
----	------	-------	------	-------	--

BM	9.89	85.87	538	75.98	N.E. Ch 150/15 Federal Hobbs Br.
----	------	-------	-----	-------	--

BM ^{#5}	770	81.36		78.66	B.P.H. In lat Rt 3140 Federal
------------------	-----	-------	--	-------	-------------------------------------



Slope Pt. Nabash Blvd + N.E.O.C.

May 1 - 1950

H.S. Wood

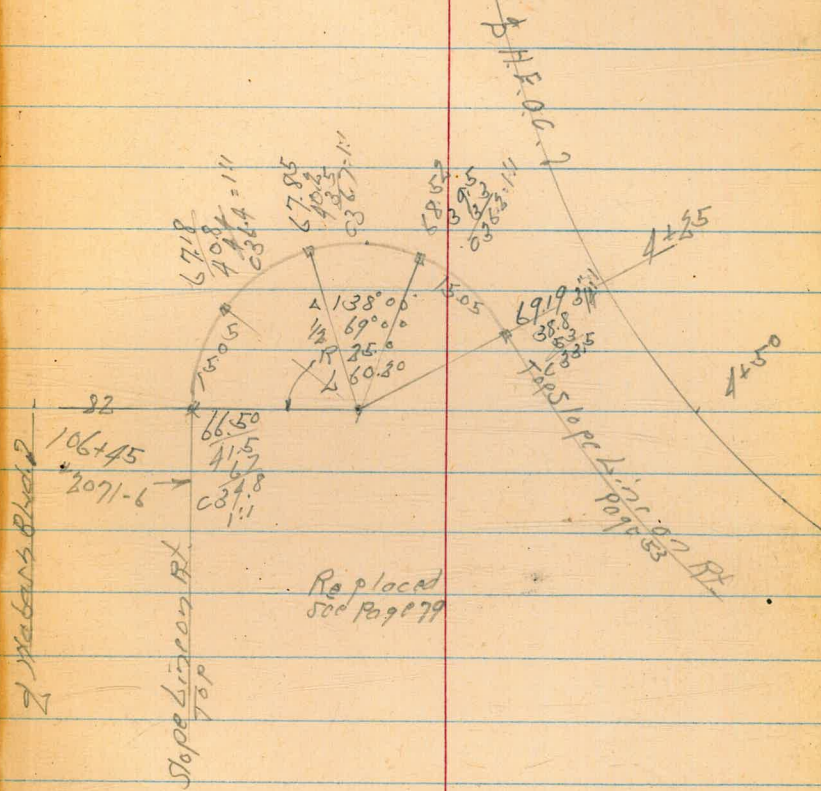
D. Smith

Rorer

Chavez

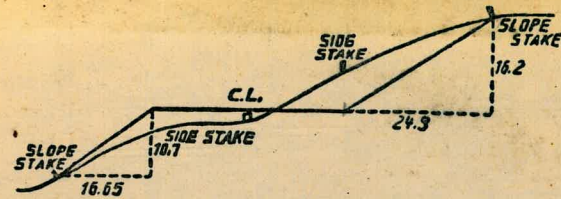
Cota

80



BM 2.74 108.03T

105.29 0.5 ft.
106+75
2071-6



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

THE NATIONAL BLANK BOOK COMPANY
 HOLYOKE MASSACHUSETTS
 NEW YORK CHICAGO BOSTON SAN FRANCISCO