

74

1054

EXPRESS

No. 76

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

1054

Handwritten notes and calculations in the top right corner of the page, including numbers like 215, 260, 230, 248, 228, and 230.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be $30.6 + (20 - 16) \div 2$ or 2 ft. added to $30.6 = 32.6$. For slopes of 1 on 1½ see inside of back cover.

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Quantities in Book # 8

2 Paris
24 Pouch
19 Shering

Cross-Section of Howard St. Park Blvd to Boundary

	1.07	340.95 E. L. Park Blvd	339.88 L. SER. Blvd
So		1.3	339.7
cl		1.7	393
1/2		1.2	398
C		1.0	400
1/2		1.2	398
cl		1.6	394
1/2		1.1	399
No		08	40.2
+25			
No		2.2	388
cl		2.7	383
1/2		2.6	384
C		2.8	382
1/2		2.7	383
cl		3.4	376
So		3.4	376
+50			
So		4.1	349
+8		4.6	364
cl		4.6	364
+8		3.8	372
1/2		4.9	36.1
C		5.1	359
1/2		4.5	365
cl		3.8	372
No		4.0	337.0

0+75

No	59	335.1
cl	6.0	335.0
1/2	6.1	349
C	6.6	344
1/2	6.7	343
+7	5.9	351
cl	6.7	343
So.	7.0	34.0
+100		
So	6.7	343
cl	7.3	33.7
+8	7.5	33.5
1/2	8.3	32.7
C	8.2	32.8
1/2	8.6	32.4
cl	7.0	34.0
No	7.1	33.9
+125		
No	8.7	32.3
cl	8.8	32.2
1/2	9.8	31.2
C	9.4	31.6
1/2	9.6	31.4
+7	8.0	33.0
cl	7.8	33.2
So	8.0	33.0

340.95
1+50

S		79	333.1
Ch		87	323
+7		87	323
1/4		107	303
C		108	302
1/2		113	297
Ch		10.8	302
No		10.9	301
	1+75		
No		127	283
Ch		133	277
1/4		126	284
C		123	287
1/4		124	286
+6		95	315
Ch		95	315
So		87	323
	2+00		
So		92	318
+3		106	304
Ch		110	300
+8		116	294
T.P.	0.73	32870	1298
1/4		18	269
C		16	271
1/4		19	268
+5		20	267
Ch		29	258
No		20	326.7

Howard St
328.70
2+25

No		54	323.3
Ch		48	239
1/4		34	253
C		35	252
1/2		40	247
+7		06	28.1
Ch		10	27.7
+11		00	287
So		+11	29.8
	2+50		
So		05	28.2
+4		25	26.2
Ch		30	257
+6		30	257
+10		51	236
1/4		51	236
C		53	234
1/4		51	236
+5		58	229
Ch		69	21.8
No		69	321.8

328.70
2+95

No	77	321.0
Ch	88	19.9
+6	87	20.0
+9	73	21.4
4	71	21.6
C	75	21.2
4	76	21.1
+2	76	21.1
+7	51	23.6
Ch	51	23.6
+8	50	23.7
So	18	26.9
2+97		
So	45	24.2
+6	67	22.0
Ch	72	21.5
+6	71	21.6
+10	84	20.3
4	84	20.3
C	85	320.2

Howard St.

3
3

3+00 = W.L. Georgia

So	74	321.3
Ch	77	21.0
4	85	20.2
C	85	20.2
4	89	19.8
Ch	9.1	19.6
No	84	20.3
T.P	0.64	320.50
		8.81
E. Line Georgia		
No	26	17.9
Ch	27	17.8
4	28	17.7
C	30	17.5
4	23	18.2
+5	2.3	18.2
+7	28	17.7
+11	30	17.5
Ch	22	18.3
+6	15	19.0
So	11	319.4

B.M. N.W. Cor.
Fig. 6.

320.53

+11

So	14	319.1
+5	24	18.1
Ch	54	15.1
+9	57	14.8
4	43	16.2
c	42	16.3
4	46	15.9
+8	30	17.5
Ch	46	15.9
+8	76	12.9
No	81	12.4
+10	74	13.1
+25		
+10	93	11.2
No	91	11.4
+9	91	11.4
Ch	64	14.1
4	49	15.6
4	56	14.9
+2	64	14.1
C	66	13.9
+10	63	14.2
4	71	13.4
Ch	68	13.7
So = Wall	60	314.5

Howard St.

320.53

+50

So	82	312.3
Ch	89	11.6
4	92	11.3
+6	86	11.9
C	90	11.5
+10	90	11.5
4	99	10.6
Ch	102	10.3
No	107	9.8
+10	108	9.7
+75		
+10	123	8.2
No	122	8.3
Ch	122	8.3
+8	110	9.5
4	116	8.9
C	114	9.1
4	118	8.7
+4	110	9.0
Ch	112	9.3
So	103	10.2
T.P. 0.87	308.30	13.10
		307.43

308.30

1+00

So	0.3	308.0
Ch	0.8	7.6
4	1.7	166
C	1.3	7.0
4	1.2	7.1
Ch	1.8	65
No	1.0	73

1+25

No	38	45
Ch	37	46
4	36	47
C	35	48
4	36	47
Ch	32	51
So	31	52

1+50

So	50	33
Ch	57	32
4	50	33
C	50	33
4	56	27
Ch	58	25
No	51	303.2

Howard St

308.30

1+75

No	62	302.1
Ch	68	1.5
4	73	1.0
C	69	1.4
4	68	1.5
Ch	62	2.1
So	65	301.8

2+00

So	8.1	300.2
Ch	8.1	300.2
4	8.5	299.8
C	8.7	299.6
4	8.7	299.6
Ch	7.8	300.5
No	7.1	301.2

2+25

No	7.7	300.6
Ch	8.6	299.7
4	9.3	299.0
4	10.3	98.0
C	10.4	97.9
4	9.8	98.5
Ch	9.5	98.8
So	9.4	298.9

308.30

2+50

So	110	2973
Ch	113	970
4	118	965
C	121	962
4	120	963
Ch	10.6	977
No	92	991

2+95

No	116	967
Ch	130	953
T.P. 1.07	29652	12.85
4	18	947
C	21	944
4	15	950
Ch	12	953
So	0.7	958

3+07

So	22	943
Ch	29	936
4	39	926
+7	38	927
+9	57	908
C	60	905
+9	53	912
+10	41	924
4	39	926
Ch	39	926
No	30	293.5

Howard St

29652

3+10 = W.L. Florida

66

No	57	292.1
Ch - on St.	603	290.49
4	60	90.5
C	65	90.0
4	67	89.8
Ch	56	90.9
So	54	91.1

E.L. Florida

So	77	88.8
Ch	79	88.6
4	74	89.1
C	67	89.8
4	64	90.1
Ch	66	89.9
No	69	89.6

+25

No	73	89.2
Ch	72	89.3
4	74	89.1
C	78	88.7
4	80	88.5
Ch	81	88.4
So	85	288.0

296.52
+50

So	84	288.1
Ch	88	877
4	85	880
C	84	881
4	78	887
Ch	81	884
No	77	888

+75

No	90	875
Ch	87	878
4	87	878
C	90	875
4	86	879
Ch	89	876
So	92	87.1

+82

So	96	869
Ch	90	875
4	96	869
C	90	875
4	89	876
Ch	94	87.1
No	96	2869

Howard St.

296.52

+90

No	101	286.4
Ch	99	866
4	100	865
C	108	857
4	106	859
Ch	96	869
So	95	870

+93

No	103	86.2
Ch	104	861

+100

So	95	87.0
Ch	92	873
4	106	859
+8	106	859
4	99	866
+11	95	870
C	86	879
+5	96	869
4	103	86.2
Ch	104	861
No	102	286.3

296.52
1+25

No	100	286.5
Ch	99	86.6
1/4	95	87.0
C	79	88.6
1/4	95	87.1
+10	104	86.1
+12	105	86.0
Ch	95	87.0
So	102	86.3
1+50		
So	9.8	86.7
+12	9.3	87.2
Ch	10.3	86.2
+2	11.0	85.1
+4	11.2	85.3
+8	9.1	87.4
1/4	88	87.7
e	78	88.7
1/4	9.4	87.1
Ch	96	86.9
No	95	287.0

Howard St.

296.5

1+56		
So	99	286.6
+7	96	286.9
Ch	110	85.5
+4	114	85.1
+9	90	87.5
1/4	87	87.8
C	81	88.4
1+64		
So	117	84.8
Ch	113	85.2
+2	93	87.2
1/4	84	88.1
C	81	88.4
1+65		
So	101	86.4
Ch	93	87.2
1+70		
So	105	86.0
Ch	91	87.4
1/4	83	88.2
C	83	88.2
1/4	91	87.4
Ch	91	87.4
No	86	287.9

296.52

2+00

No	82	288.3
Ch	82	88.3
4	84	88.1
C	86	87.9
4	81	88.4
Ch	78	88.7
S.	95	87.0

2+25

S.	79	88.6
4	73	89.2
Ch	78	88.7
4	79	88.6
C	81	88.4
4	81	88.4
Ch	78	88.7
No	76	88.9

T.P 1220

300.97

7.75

288.77

2+50

No	105	90.5
110	104	90.6
Ch	108	90.2
+8	113	89.7
4	121	88.9
C	122	88.8
+10	106	90.4
4	108	90.2
Ch	110	90.0
S	115	289.5

1 toward St.
300.97

97

2+75

S.	110	290.0
Ch	108	90.2
4	105	90.5
4	114	89.6
C	114	89.6
4	111	89.9
Ch	103	90.7
No	98	91.2

3+00

No	81	92.9
Ch	89	92.1
4	97	91.3
C	102	90.8
4	106	90.4
Ch	106	90.4
S.	107	90.3

3+10. Wt. A/a.

S.	109	90.1
Ch	109	90.1
4	103	90.7
C	94	91.6
4	86	92.4
Ch	89	92.1
No	86	292.4

300.97
E L. Alabama

No	66	294.4
Ch	78	93.2
4	81	92.9
C	78	93.2
4	80	92.6
Ch	80	92.6
So	83	92.7
	+25	
So	61	94.9
Ch	72	93.8
4	71	93.9
C	65	94.5
4	63	94.7
Ch	61	94.9
No	58	95.2
	+50	
No	37	97.3
Ch	40	97.0
4	43	96.7
C	45	96.5
4	48	96.2
4	56	95.4
Ch	55	95.5
So	41	96.9

Howard St.
300.97

20

		0.75	
So		25	298.5
Ch		38	97.2
4		32	97.8
C		28	98.2
4		24	98.6
Ch		21	98.9
No		22	298.8
T.P.	12.62	313.19	0.40
			300.57
		1.00	
No		11.9	301.3
Ch		12.4	300.8
4		12.9	300.3
C		13.0	300.2
4		13.4	299.8
Ch		13.4	299.8
So		12.2	301.0
		1.25	
So		10.7	302.5
Ch		11.4	01.8
4		11.1	2.1
C		10.6	2.6
4		10.9	3.2
Ch		9.1	3.5
No		9.3	303.9

313.19

1+50

No	70	306.2
Ch	71	61
4	76	56
C	81	51
4	91	41
Ch	89	43
S	84	48

1+75

So	61	68
Ch	61	68
4	62	70
C	61	71
4	59	73
Ch	52	80
No	39	93

2+00

No	21	11.1
Ch	30	10.2
4	33	9.9
C	37	9.5
4	43	8.9
Ch	42	9.0
So	41	309.1

Howard St.

313.19

7/1

2+25

So	22	311.0
Ch	19	113
4	15	11.7
C	14	118
4	09	123
Ch	12	120
No	05	127
TIP 1277	325.55	0.41
		312.78

2+50

No	11.5	140
Ch	120	135
4	122	133
C	121	134
4	12.5	130
Ch	126	130
So	128	128

2+75

So	11.8	138
Ch	11.7	139
4	11.3	143
C	11.0	146
4	11.6	140
Ch	11.5	141
4	11.0	14.6
No	10.6	3150

325.55

3+00 = W.L. Mississippi

No	97	315.9
Ch	108	148
4	106	150
+5	102	154
C	99	157
4	10.0	156
Ch	10.3	153
So	10.3	153

E.L. Mississippi

So	75	181
Ch	77	179
4	74	182
C	72	184
4	70	186
+10	73	183
Ch	68	188
+3	64	192
No	63	193
No	57	199
+9	56	200
Ch	65	191
4	68	188
C	67	189
4	66	190
Ch	72	184
So	78	317.8

0+25

Howard St.

325.55

78

So	72	318.4
Ch	68	18.8
4	62	19.4
C	61	19.5
4	60	19.6
Ch	55	20.1
+5	47	20.9
No	46	21.0
No	38	21.8
+9	39	21.7
Ch	47	20.9
4	52	20.4
C	56	20.0
4	58	19.8
Ch	60	19.6
So	59	19.7
So	38	21.8
Ch	36	22.1
4	40	21.6
C	34	22.2
4	26	23.0
Ch	32	22.4
No	26	323.0

0+75

140.

325.55
1425

No.	18	323.8
Ch	23	233
4	31	22.5
C	34	22.2
4	33	22.3
Ch	39	21.7
So	41	21.5

1450

So	32	22.4
Ch	33	23.3
4	105	24.1
C	09	24.7
4	08	24.8
Ch	09	24.7
No	04	25.2

T.P. 10.44 324.93 1.06 324.49

1475

No	83	26.6
Ch	84	26.5
4	86	26.3
C	91	25.8
4	95	25.4
Ch	90	25.9
So	95	25.4

Howard St.
334.93

13

2100

So	77	327.2
Ch	76	273
4	78	271
C	77	272
4	72	27.7
Ch	66	283
No	66	283

2125

No	49	300
Ch	52	29.7
+6	48	30.1
4	50	29.9
C	55	29.4
4	57	29.2
Ch	61	28.5
So	66	28.3

2150

So	83	29.6
Ch	84	29.5
4	81	29.8
C	46	30.3
4	44	30.5
Ch	41	30.8
No	34	331.5

334.93

+275

No.	26	332.5
Ch	28	32.1
4	3.3	31.6
C	3.6	31.3
4	3.6	31.3
Ch	3.4	31.5
So.	38	31.1

2400 W.L. Lg.

So.	37	31.2
Ch	36	31.3
4	35	31.4
C	32	31.7
4	29	32.0
Ch	26	32.3
No.	21	32.8
T.P.	1.84	332.78
	3.99	330.94

EL. Lg.

No.	15	31.3
Ch	19	30.9
Gutr	2.6	30.7
4	2.5	30.3
C	2.4	30.4
4	0.9	31.9
4	0.6	32.2
Ch	0.5	32.3
So.	0.9	331.9

Note - Old Ch in on No side of St. from EL. Lg to 127'E. not good for line or grade.

Howard St.

332.78

14
14

+225

So.	27	330.1
Ch	24	30.4
4	2.5	30.3
+10	2.6	30.2
C	4.3	28.5
4	4.0	28.8
Ch	4.0	28.8
No.	3.3	29.5

+50

No.	6.3	26.5
Ch	6.6	26.2
Gutr	6.9	25.9
4	6.8	26.0
C	6.8	26.0
H6	5.9	26.9
4	5.9	26.9
Ch	5.8	27.0
So.	5.9	26.9

+75

So.	10.0	22.8
Ch	10.3	22.5
4	9.4	23.4
C	9.3	23.5
4	9.4	23.4
Gutr	9.4	23.4
Ch	9.4	23.4
No.	8.9	23.8
		323.9

332.78

1400

No		111	21.7
Ch		114	21.4
Crutr		119	20.9
4		117	21.1
C		115	21.3
↓		112	20.6
Ch		131	19.7
So		138	19.0
t10		138	19.0
T.P.	6.49	326.19	13.08
			319.70
		1425	
t10		104	15.8
So		105	15.7
Ch		105	15.7
t10		104	15.8
↓		99	16.3
↑		67	19.5
↓		67	19.5
↓		71	19.1
Crutr		70	19.2
Ch		66	19.6
No		63	319.9

Howard St.

326.19

1444

No		76	318.6
Ch		77	18.5
4		81	18.1
C		78	18.4
↑		83	17.9
↑		10.3	15.9
↑5		12.1	14.1
Ch		124	13.8
So		129	13.3
t10		130	13.2
		1450	
t10		133	12.9
So		132	13.0
Ch		126	13.6
t6		122	14.0
↓		103	15.9
↑5		89	17.3
C		79	12.3
4		84	17.8
Ch		88	17.4
↑3		100	16.2
No		91	317.1

15

326.19

1465

No	124	313.8
Ch	121	14.1
H	11.8	14.4
4	10.2	16.0
C	10.1	16.1
+8	10.4	15.8
4	11.3	14.9
+4	124	13.8
Ch	126	13.6
So	13.0	13.2
+10	13.2	13.0
1475		
+10	13.0	13.2
S	13.0	13.2
Ch	127	13.5
4	12.5	13.7
C	121	14.1
4	121	14.1
Ch	125	13.7
No	124	313.8

Howard St.

18

326.19

2400

No	124	313.8
Ch	125	13.7
H	126	13.6
C	121	14.1
H	124	14.0
Ch	122	14.0
So	12.3	13.9
+10	12.8	13.4
2+25 ✓		
+10	124	13.8
So	124	13.8
Ch	121	14.1
4	121	14.1
C	120	14.2
4	121	14.1
Ch	117	14.5
No	119	14.3
2+50		
No	11.3	14.9
Ch	11.4	14.8
4	11.5	14.7
C	11.8	14.4
H	120	14.2
Ch	11.8	14.4
So	11.7	14.5
+10	9.7	316.5

326.19

2775

t10	102	316.0
S0	111	151
Ch	114	14.8
4	115	147
C	118	144
+8	118	144
4	112	150
Ch	108	154
No	110	152

2795. Culvert Outlets

No	100	162
Ch	110	152
gubr. botm cul. outlet	11.57	314.62
+2 " "	11.57	314.62
+2	110	152
4	114	148
C	110	152
4	111	151
gubr. botm cul. outlet.	11.50	314.69
Ch	108	154
+2	96	166
S0	94	316.8

326.19

Howard St

17

3100-W.L. Texas

S0	99	316.3
Ch	102	16.0
4	105	157
C	106	156
4	110	152
Ch	102	160
No	99	163
T.P. 1289	330.93	8.15

E.L. Texas

S0	126	183
Ch	129	180
4	129	180
C	127	182
4	128	181
Ch	129	180
No	123	186
	+6	
No	113	196
Ch	116	193
4	122	187
C	117	192
4	121	188
Ch	113	196
S0	114	319.5

13 M. Pige
31804 S.E. Tex.

33093

+25

So	106	320.3
Ch	107	202
4	107	202
C	106	203
4	110	199
Ch	107	202
No	107	207

0+50

No	88	221
Ch	95	214
4	97	212
C	94	215
4	95	214
Ch	96	213
So	94	215

0+75

So	82	227
Ch	84	225
4	86	223
C	84	225
4	86	223
Ch	90	219
No	81	322.8

Howard St

330.93

1+00

No	73	323.6
46	83	226
Ch	83	226
4	80	229
C	76	233
4	76	233
Ch	74	235
So	69	240

1+25

So	65	244
Ch	64	245
4	71	238
C	72	237
4	75	234
Ch	76	233
+10	71	238
No	63	246

1+50

No	60	249
Ch	62	247
4	65	244
C	63	246
4	61	248
Ch	58	251
So	56	325.3

330.93

1+95

So	52	325.7
ch	55	25.4
4	58	25.1
C	59	25.0
4	60	24.9
ch	56	25.3
No	55	25.4

2+00

No	50	25.9
ch	50	25.9
4	53	25.6
C	50	25.9
4	5.1	25.8
ch	5.3	25.6
So	4.4	26.5

2+25

So	4.1	26.8
4	50	25.9
ch	4.9	26.0
4	4.7	26.2
C	4.3	26.6
4	4.8	26.1
ch	4.5	26.4
No	4.4	26.5

Howard St.

330.93

218

2+52

No	36	327.3
ch	37	27.2
4	43	26.6
C	40	26.9
4	40	26.9
ch	40	26.9
So	37	27.2

2+75

So	3.3	27.6
ch	2.3	27.6
4	3.5	27.4
C	3.0	27.9
4	3.4	27.5
ch	2.1	27.8
No	2.9	28.0

2+93

No	2.0	28.9
ch	2.4	28.5
4	2.9	28.0
C	2.9	28.0
4	2.8	28.1
ch	2.9	28.0
So	2.8	328.1

380.93

3 + 100 = W.L. Arizona.

So	1.5	329.4
tlr	1.7	292
Ch	2.2	287
4	2.0	289
C	2.1	288
4	1.7	292
tlr	2.7	282
Ch	1.5	29.4
No	0.8	20.1

TIP: 12-81

343.20	0.54
Cor Mt.	
342.25	11.74

330.39

13M. SE

331.46 331.51 Ariz

E.L. Ariz

No	10.7	325
tlr	11.2	320
Ch	11.7	315
4	11.7	315
C	11.8	314
4	11.8	318
Ch	12.0	312
So	11.5	331.7

Howard St.

343.25

+25

So	10.5	332.8
Ch	9.2	34.1
4	9.4	33.9
C	9.9	33.4
4	9.9	33.4
Ch	8.9	34.4
No	8.8	34.5

+50

No	7.0	36.3
Ch	7.7	35.6
tlr	8.4	34.9
C	8.1	35.2
4	8.6	34.7
Ch	8.5	34.8
So	8.6	34.7

+75

So	6.3	37.0
Ch	6.1	37.2
4	6.0	37.3
C	6.1	37.2
4	5.8	37.5
Ch	5.0	38.3
No	4.5	338.8

343.25

1700

No	30	340.3
Ch	24	40.9
4	24	40.9
C	28	40.5
4	30	40.3
Ch	37	39.6
So	37	39.6
T.P.	12.62	355.03
		0.85
		342.40

1725

No	114	43.6
Ch	124	42.6
4	124	42.6
C	127	42.3
4	131	41.9
Ch	129	42.1
So	133	41.7

1450

So	99	45.1
Ch	97	45.3
4	96	45.4
C	87	46.3
4	89	46.1
Ch	88	46.2
No	81	346.9

Howard St.

355.03

1775

No	46	350.4
Ch	52	49.8
4	55	49.5
C	60	49.0
4	67	48.3
Ch	69	48.1
So	69	48.1

2100

So	49	50.1
Ch	42	50.8
4	42	50.8
C	39	51.1
4	30	52.0
Ch	21	52.9
No	24	52.6
T.P.	1310	369.61
		0.52
		354.57

2225

No	121	55.5
Ch	127	54.9
No	129	54.7
4	139	53.7
C	137	53.9
4	137	53.9
Ch	145	53.1
So	151	352.5

21

367.61
2+50

So	13.0	354.6
Ch	12.9	54.8
4	11.5	56.1
C	10.5	57.1
4	10.0	57.6
Ch	10.2	57.4
No	9.6	58.0

2+75

No	7.2	60.4
Ch	8.0	59.6
4	8.8	58.8
C	8.9	58.7
4	9.4	58.2
Ch	9.4	58.2
So	10.1	57.5

3400 W.L. Hamilton

So	8.4	59.2
Ch	7.6	60.0
4	6.8	60.8
C	6.3	61.3
4	5.8	61.8
Ch	5.5	62.1
No	4.1	362.9

Howard St.
367.61

W. Ch.

No	37	363.9
Ch	43	63.3
4	45	63.1
C	47	62.9
4	51	62.5
Ch	58	61.8
So	63	61.3

W 4

So	51	62.5
Ch	52	62.4
4	43	63.3
C	40	63.6
4	36	64.0
Ch	23	64.3
No	22	64.4

Φ

No	22	65.4
Ch	28	64.8
4	27	64.9
C	35	64.1
4	37	63.9
Ch	43	63.3
So	42	363.4

367.61
E-4

So		38	3638
Ch		32	644
4		30	646
C		18	658
4		17	659
Ch		20	656
No		21	655
TIP	10.92	376.60	365.68
		E. Ch	
No		10.3	663
Ch		10.4	662
4		10.4	662
C		10.5	661
4		11.3	653
Ch		11.9	647
So		12.0	646
		EL. Hamilton	
So		11.0	656
Ch		11.1	655
4		11.1	655
C		10.6	66.0
4		10.1	66.5
Ch		9.6	67.0
No		8.7	67.9

Howard St
376.60
+25

23

No		90	367.6
Ch		9.2	67.3
4		9.4	67.2
C		9.5	67.1
4		9.9	66.7
Ch		10.0	66.6
So		10.1	66.5
		+50	
So		9.4	67.2
Ch		9.1	67.5
4		8.8	67.8
C		8.6	68.0
4		8.2	68.4
Ch		8.2	68.4
No		8.1	68.5
		+75	
No		67	69.9
Ch		69	69.7
4		76	69.0
C		83	68.3
4		82	68.4
Ch		84	68.2
So		82	368.4

376.60

1400

So	29	368.7
Ch	26	69.0
4	6.4	70.2
C	6.8	69.8
4	7.2	69.4
Ch	7.1	69.5
No	6.9	69.7

1425

No	5.3	71.3
Ch	6.2	70.4
4	6.8	69.8
C	6.9	69.7
4	7.0	69.6
Ch	7.2	69.4
So	7.6	69.0

1450

So	6.3	70.3
Ch	5.8	70.8
4	5.8	70.8
C	6.2	70.4
4	6.2	70.4
Ch	6.2	70.4
No	6.0	370.6

Howard St

376.60

1475

No	4.5	372.1
Ch	5.1	71.5
4	5.6	71.2
C	5.9	70.7
4	5.9	70.7
Ch	5.9	70.7
So	6.4	70.2

1490

No	5.3	71.3
Ch	5.2	71.4

2400

So	5.8	70.8
Ch	5.9	70.7
4	5.0	71.6
C	5.0	71.6
4	5.3	71.3
Ch	5.3	71.3
No	4.3	72.3

2412

No	3.2	73.4
Ch	4.5	372.1

24

276.60

2+25

No	38	372.8
Ch	46	720
4	39	727
e	39	727
4	38	728
Ch	37	729
No	49	717

2+35

So	33	733
Ch	37	734

2+50

So	32	734
Ch	29	737
4	30	736
C	29	737
4	34	732
Ch	36	730
No	31	735

2+75

No	29	737
Ch	30	736
4	33	733
C	29	737
4	29	738
Ch	23	743
So	27	373.9

Howard St.

376.60

3+00-W.L. Oregon.

So	25	374.1
Ch	27	73.9
4	29	73.7
C	29	73.7
4	30	73.6
Ch-on curb.	25.4	
No	24	74.2

6.26

379.27

E.L. Idaho

So	63	730
Ch	64	729
4	65	728
C	62	731
4	61	732
Ch	60	733
No	57	736

+75

No	50	743
Ch	51	742
4	55	738
C	53	740
4	50	743
Ch	52	741
So	52	374.1

Note. Street closed between Oregon & Idaho 25

BM. Pig rt+SE
37301-Idaho

379.27
+50

So	51	374.2
Ch	48	74.5
4	47	74.6
C	51	74.2
4	52	74.1
Ch	49	74.4
No	44	74.9
	+65	
No	45	74.8
Ch	48	74.5
	+75	
No	54	73.9
Ch	50	74.3
4	53	74.0
C	46	74.7
4	51	74.2
Ch	50	74.3
So	49	374.4

Howard 51
379.27
1400

286

So	48	374.5
Ch	52	74.1
4	52	74.1
C	48	74.5
4	53	74.0
Ch	59	73.4
No	56	73.7
	+25	
No	54	73.9
4	58	73.5
Ch	60	73.3
4	61	73.2
C	55	73.8
4	57	73.6
Ch	55	73.8
So	53	74.0
	+50	
So	60	73.3
Ch	59	73.4
4	57	73.6
C	54	73.9
4	58	73.5
Ch	55	73.8
No	51	374.2

379.27

1+65

No	40	375.3
Ch	49	374.4
1+75		
No	50	374.3
Ch	55	373.8
4	58	373.5
C	56	373.7
4	58	373.5
Ch	62	373.1
So	62	373.1
2+00		
So	63	373.0
Ch	62	373.1
4	60	373.3
C	55	373.8
4	40	375.3
Ch	41	375.2
No	58	373.5
2+20		
No	60	373.3
Ch	59	373.4
4	58	373.5
C	61	373.2
4	58	373.5
Ch	62	373.1
So	61	373.2

Howard St.

379.27

277

2+50

So	62	373.1
Ch	64	72.9
4	59	73.4
C	56	73.7
4	51	74.2
Ch	59	73.4
No	60	73.3
2+75		
No	55	73.8
Ch	62	73.1
4	63	73.0
C	62	73.1
4	57	73.6
Ch	57	73.6
So	59	73.4
2+90		
So	64	72.9
Ch	63	73.0
4	64	72.9
C	64	72.9
4	64	72.9
Ch	62	73.1
Ch	49	74.4
No	39	375.4

379.27
3 to 0 = W. L. Utah

No		44	374.9
bl.		50	74.3
+r		58	73.5
4		60	73.3
C		58	73.5
4		63	73.0
bl.		62	73.1
S ₀		54	73.9
T.P	28r	375.06	6.13
		<u>E. L. Utah</u>	373.04
S ₀		38	72.1
bl.		36	72.3
4		35	72.4
C		36	72.3
4		34	72.5
bl.		35	72.4
+r		27	73.2
No		28	373.1

Howard 57
 375.86 + 25

No		38	372.1
bl.		43	71.6
4		41	71.8
C		35	72.4
4		38	72.1
bl.		40	71.9
S ₀		27	73.2
		+20	
No		24	73.5
bl.		33	72.6
		+50	
S ₀		37	72.2
bl.		26	73.3
4		38	72.1
C		47	71.2
4		48	71.1
bl.		39	72.0
No		34	372.5

375.86

+59

No	39	372.0
Ch	45	71.4
4	50	70.9
C	50	70.9
4	43	71.6
Ch	29	73.0
S.	3.0	72.9

+75

S	40	71.9
Ch	40	71.9
4	50	70.9
C	48	71.1
4	48	71.1
Ch	32	72.7
No	41	71.8

+88

No	50	70.9
Ch	48	71.1
4	50	70.9
C	48	71.1
4	49	71.0
Ch	46	71.3
S	49	71.0

Howard

St.

23

375.86

1400

S.	48	371.1
Ch	37	72.2
4	47	71.2
C	49	71.0
4	46	71.3
4	40	71.9
Ch	42	71.7
No	47	71.2

1425

No	40	71.9
Ch	47	71.2
4	50	70.9
C	47	71.2
4	48	71.1
Ch	51	70.8
S.	51	70.8

1440

S.	50	70.9
Ch	52	70.7
4	49	71.0
C	39	72.0
4	45	71.4
Ch	49	71.0
No	49	371.0

375.86
1750

No	49	3710
Ch	48	71.1
4	51	70.8
C	49	71.0
4	49	71.0
Ch	50	70.9
So	50	70.9
	1760	
So	51	70.8
Ch	41	71.1
	1775	
So	29	72.0
Ch	29	73.0
4	40	71.9
C	50	70.9
4	46	71.3
Ch	45	71.4
No	50	70.9
No	45	71.4
Ch	53	70.6
4	53	70.6
C	50	70.9
4	46	71.3
Ch	52	70.7
So	52	370.7

Howard St.
375.86
2410

30

So	50	370.9
Ch	49	71.0
4	36	72.3
4	36	72.3
C	46	71.3
4	55	70.4
Ch	53	70.6
No	41	71.8
	2425	
No	57	70.8
Ch	56	70.3
4	56	70.3
C	57	70.2
4	47	71.2
4	45	71.4
Ch	51	70.8
So	56	70.3
	2450	
So	59	70.0
Ch	56	70.3
4	50	70.9
C	49	71.0
4	49	71.0
Ch	46	71.3
No	61	369.8

375.86

2175

No	48	371.1
Ch	52	70.7
1/4	49	71.0
C	58	70.1
1/4	56	70.3
Ch	60	69.9
So	61	69.8
2194		
So	62	69.7
Ch	62	69.7
1/4	60	69.9
C	49	71.0
1/4	50	70.9
Ch	53	70.6
No	55	70.4
3100-Wh. Kansas		
No	52	70.7
1/2	54	70.5
Ch	60	69.9
1/4	57	70.2
C	55	70.4
1/4	58	70.1
Ch	60	69.9
1/2	54	70.5
So	52	370.7

Howard St.

31

TIP	259	372.58	587	269.99
E.L. Kansas.				
So			36	369.0
Ch			36	69.0
1/4			33	69.3
C			31	69.5
1/4			30	69.6
Ch			27	69.9
1/10			26	70.0
No			28	68.8
+25				
No			43	68.3
Ch			43	68.3
1/4			43	68.3
C			42	68.4
1/4			34	69.2
Ch			35	69.1
So			27	69.4
+50				
So			42	68.4
Ch			40	68.2
1/4			46	68.0
C			39	68.7
1/4			21	70.5
1/10			24	70.2
Ch			34	69.2
No			44	368.2

372.58

9+75

No	4.6	368.0
Ch	50	67.6
4	49	67.7
C	48	67.8
4	4.2	68.4
d.	4.3	68.3
So	4.3	68.3
	0+9	✓
So	4.2	68.4
+10	4.2	68.4
Ch	3.0	69.6
+9	3.0	69.6
4	38	68.8
C	50	67.6
4	50	67.6
Ch	49	67.7
No	4.6	68.0
	1+0	
No	4.4	68.2
Ch	3.6	69.0
4	50	67.6
C	52	67.4
4	4.4	68.2
+9	3.7	68.9
Ch	4.2	68.4
So	4.4	368.2

Howard St.

372.58

1+12

So	4.4	368.2
Ch	4.8	367.8
	1+25	
So	4.4	68.2
Ch	3.4	69.2
4	5.1	67.5
C	5.1	67.5
4	4.1	68.5
Ch	4.4	68.2
No	4.7	67.9
	1+50	
No	5.1	67.5
Ch	5.2	67.4
4	5.1	67.5
C	5.3	67.3
4	5.4	67.2
Ch	5.1	67.5
So	5.0	67.6
So	5.0	67.6
Ch	5.5	67.1
4	5.5	67.1
C	5.5	67.1
4	5.3	67.3
Ch	4.7	67.9
No	4.7	367.9

372.58

2400

No	50	367.6
Ch	5.5	67.1
4	5.5	67.1
C	5.6	67.0
4	5.4	67.2
Ch	5.7	66.9
43	5.4	67.2
So	5.1	67.5

2425

So	5.1	67.5
Ch	5.7	66.9
4	5.6	67.0
C	5.6	67.0
4	5.6	67.0
Ch	5.5	67.1
No	5.3	67.3

2450

No	5.1	67.5
a	4.9	67.7
4 ⁴	4.3	68.3
4	4.3	68.3
C	5.1	67.5
4	5.6	67.0
Ch	5.8	66.8
4 ⁺	5.2	67.2
So	5.1	67.5

Howard St

372.58

2475

So	50	367.6
Ch	5.4	67.2
4	5.7	66.9
C	5.7	66.9
4	5.3	67.3
4 ⁺	5.6	67.0
Ch	5.2	67.4
4 ⁺	4.5	68.1
No	5.4	67.2

3400 = W.L. 30th

No	5.2	67.4
Ch	5.2	67.4
4	5.0	67.6
C	5.3	67.3
4	5.7	66.9
Ch	5.8	66.8
4 ⁺	5.3	67.3
So	5.0	67.6

T.P. 677

372.85

E.L. 30th

367.08 5502 1/2

So	6.1	67.8
Ch	7.0	66.9
4	7.1	66.8
C	6.7	67.2
4	6.7	67.2
Ch	6.8	67.1
No	6.3	367.6

373.85
0+25

No	41	369.8
tg	55	684
Ch	57	682
4	62	677
C	59	680
4	58	681
Ch	57	682
S	57	682

0+50

So	45	694
Ch	64	675
tg	53	686
4	50	683
C	50	689
4	62	677
Ch	62	677
No	58	681

0+75

No	64	675
Ch	67	672
4	60	679
tg	52	687
C	53	686
4	61	678
Ch	67	672
So	66	367.3

Howard St.
373.85 1400

34

So	49	369.0
tg	56	683
Ch	57	682
4	43	696
tg	42	697
C	50	689
4	65	674
Ch	66	673
No	68	671

1+12

No	62	675
Ch	67	672
4	66	673
C	66	673
4	63	676
Ch	61	678
So	59	680

1+25

So	52	687
tg	49	690
Ch	54	685
4	64	675
C	68	671
4	59	680
tg	54	685
Ch	59	680
No	64	367.5

37385

1440

No	66	367.3
Ch	55	68.4
+9	42	69.7
+4	43	69.6
C	59	68.0
+7	68	67.1
+4	67	67.2
Ch	62	67.7
So	57	68.2
1400		
So	63	67.6
Ch	66	67.3
+4	65	67.4
+4	65	67.4
C	57	68.2
+4	46	69.3
+4	47	69.2
Ch	60	67.9
No	65	367.4

Howard St.

37385

1475

335

No	65	367.4
Ch	66	67.3
+4	60	67.9
C	55	68.4
+4	65	67.4
Ch	62	67.6
So	48	69.1
2400		
So	57	68.2
Ch	54	68.5
+10	49	69.0
+4	51	68.8
C	66	67.3
+9	73	66.6
+4	70	66.9
Ch	68	67.1
No	73	66.6
2425		
No	79	66.0
Ch	77	66.2
+4	76	66.3
C	68	67.1
+4	68	67.1
Ch	67	67.2
So	71	366.8

373.85

2+50

So	6.7	367.2
Ch	7.5	66.4
4	7.8	66.1
C	7.6	66.3
4	8.2	65.7
7	7.8	66.1
Ch	8.6	65.3
No	8.4	65.5

2+75

No	9.8	64.1
Ch	9.6	64.3
4	9.2	64.7
C	9.0	64.9
4	7.5	66.4
Ch	7.2	66.7
So	7.4	66.5

3+100-W.L. Ohio

So	8.4	65.5
Ch	8.7	65.2
4	9.2	64.7
C	9.6	64.3
4	9.9	64.0
Ch	10.0	63.9
4	9.5	64.4
Ch	9.1	64.8
No	9.2	364.7
T.P	2.64	367.11
	9.36	364.49

364.49 364.49 S.E. Ohio

367.11 Howard St.

E.L. Ohio

36

No	29	364.2
Ch	34	63.7
+3	38	63.3
4	30	63.3
C	35	63.6
4	32	63.9
Ch	27	64.4
So	25	64.6

+25

So	35	63.6
Ch	32	63.9
4	39	63.2
4	33	63.8
C	30	64.1
4	36	63.5
+11	40	63.1
Ch	35	63.6
No	35	63.6

+50

No	40	63.1
+3	33	63.8
+12	35	63.6
Ch	40	63.1
4	41	63.0
+5	33	63.2
C	30	64.1
4	36	63.5
Ch	34	63.7
So	44	362.7

367.11
0+75

So	48	362.3
Ch	49	62.7
4	48	62.3
C	42	62.9
49	46	62.5
4	50	62.1
Ch	52	61.9
No	46	62.5

1+00

No	45	62.6
Ch	51	62.0
4	52	61.9
C	49	62.2
4	53	61.8
Ch	50	62.1
So	48	62.3

1+25

So	48	62.3
Ch	53	61.8
4	54	61.7
C	51	62.0
4	53	61.8
Ch	53	61.8
No	46	362.5

Howard St.
367.11
1+50

37

No	50	362.1
Ch	53	61.8
4	55	61.6
C	51	62.0
4	53	61.8
Ch	54	61.7
So	5.3	61.8

1+75

So	53	61.8
4	50	61.8
Ch	59	61.2
4	56	61.5
C	52	61.9
4	55	61.6
411	6.0	61.1
Ch	51	62.0
No	44	62.7

2+00

No	52	61.7
Ch	57	61.4
4	63	60.8
4	59	61.2
C	55	61.6
4	57	61.4
Ch	59	61.2
45	53	61.8
So	53	361.8

367.11

2+25

So	55	361.6
Ch	58	61.8
4	60	61.1
C	54	61.7
4	58	61.3
Ch	59	61.2
+2	49	62.2
No	49	62.2

2+50

No	51	62.0
+12	51	62.0
Ch	58	61.3
4	59	61.4
+7	51	62.0
C	58	61.5
4	59	61.2
Ch	59	61.2
+4	52	61.9
So	56	361.5

Howard St.

38

367.11

2+75

So	58	361.3
Ch	54	61.7
+2	61	61.0
4	58	61.3
C	57	61.4
4	63	60.8
Ch	60	61.1
+3	53	61.8
No	56	61.5

3+00 - WL III

No	58	61.3
+4	60	61.1
Ch	64	60.7
4	61	61.0
C	60	61.1
4	62	60.9
+10	66	60.5
Ch	58	61.3
So	54	361.7

T.P. 4.69

365.70

6.09

361.02/

361.01 AM SE 211

36570

EL II

So	45	361.2
Ch	48	60.9
+2	54	60.3
4	52	60.5
C	51	60.6
4	52	60.5
+9	60	59.7
Ch	52	60.5
No	48	60.9
	+5	
So	36	62.1
+6	33	62.4
Ch	49	60.8
	+25	
So	47	61.0
+10	47	61.0
Ch	53	60.4
4	55	60.2
C	52	60.5
4	50	60.7
+5	52	60.5
+6	61	59.6
+10	59	59.8
+11	51	60.6
Ch	49	60.8
No	45	361.2

Howard St.

39

36570

+50

No	46	361.1
Ch	45	61.2
+5	51	60.6
+7	63	59.4
+9	62	59.5
+10	55	60.2
4	49	60.8
C	56	60.1
4	58	59.9
Ch	52	60.5
+7	60	59.7
+10	50	60.7
So	58	59.9
So	59	59.8
+7	49	60.8
+9	55	60.2
Ch	54	60.3
+3	59	59.8
4	57	60.0
C	56	60.1
4	54	60.3
Ch	52	60.5
No	46	361.1

3657°

1+00

16		
Ch	49	360.8
4	51	60.6
C	53	60.4
4	55	60.2
+8	58	59.9
+10	60	59.7
Ch	60	59.3
+5	55	60.2
So	49	60.8
	59	59.8

1+25

So	57	60.0
+11	51	60.6
Ch	55	60.2
+6	67	59.0
+9	60	59.7
4	58	59.9
C	54	60.3
4	52	60.5
Ch	50	60.7
No	50	360.7

No

3657

Howard St.

1+50

No	43	361.4
Ch	45	61.2
4	45	61.2
C	52	60.5
4	59	59.8
+4	61	59.6
+7	69	58.8
Ch	50	60.1
+2	52	60.5
So	54	60.3

1+75

So	55	60.2
Ch	56	60.1
+3	67	59.0
+11	69	58.8
4	59	59.8
C	54	60.3
2	50	60.7
Ch	46	61.1
No	42	361.5

365.70

2400

No.	41	361.6
Cl	45	61.2
4	49	60.8
C	50	60.7
44	52	60.5
4	69	58.8
+10	72	58.5
Cl	57	60.0
So	52	60.5

2425

So	51	60.6
Cl.	55	60.2
43	61	59.6
+5	70	58.7
+10	73	58.4
4	70	58.7
+11	49	60.8
C	51	60.6
44	46	61.1
4	44	61.3
No	42	361.5

Howard St.

365.70

2450

46	37	362.0
Cl	39	61.8
4	42	61.5
4	44	61.3
4	64	59.3
44	64	59.3
+9	77	58.0
Cl	73	58.4
42	48	60.9
+10	41	61.6
So	40	61.7

2475

So	43	61.4
+9	42	61.5
Cl	41	60.9
+3	54	60.3
+4	73	58.4
4	71	58.6
+10	46	61.1
C	46	61.1
48	38	61.9
44	37	62.0
Cl	36	62.1
No	32	362.5

41

365.70

3 + 100 = W. L. Iowa

No	33	362.4
Ch	39	61.8
4	38	61.9
+6	39	61.8
C	52	60.5
+6	58	59.9
4	76	58.1
+5	76	58.1
+7	65	59.2
Ch	43	61.4
So	42	61.5

E L. Iowa

So	40	61.7
Ch	40	61.7
4	40	61.7
C	40	61.7
4	38	61.9
Ch	34	62.3
No	32	362.5

Howard St

365.7 + 25

No	19	362.8
Ch	21	63.6
4	26	63.1
C	24	63.3
4	29	62.8
Ch	30	62.7
So	32	62.5

+50

So	29	62.8
Ch	30	62.7
4	26	63.1
C	23	63.4
4	22	63.5
Ch	16	64.1
No	13	64.4

+75

No	09	64.8
Ch	14	64.3
4	18	63.9
C	19	63.8
4	26	63.1
Ch	29	62.8
So	29	362.8

TP. 9.26 372.12 284 362.86

372.12
1700

S	89	3632
Ch	93	628
4	87	634
C	78	643
4	79	642
Ch	74	647
No	72	649

1725

No	73	648
Ch	72	649
4	77	644
C	84	637
4	81	634
Ch	92	629
S	98	623

1750

S	86	635
Ch	85	636
4	82	639
C	71	650
4	67	654
Ch	67	654
No	61	3660

Howard St
372.12 1775

48

No	52	3669
Ch	59	662
4	63	658
C	69	652
4	75	646
Ch	79	642
S	78	643

2100

S	69	652
Ch	72	649
4	66	655
C	59	662
4	54	667
Ch	50	671
No	42	679

2125

No	36	685
Ch	43	678
4	49	672
C	53	668
4	60	661
Ch	65	656
S	61	3660

2/28/19 Gregory. CROSS SECTION OF
 LINCOLN AVE 80' wide
 from E.L. Idaho to City Boundary 10' deep
 for sections west of Idaho see Book 1055

Quantities in Grade Book #8

435

on BM. 656 367.41 360.85 8P. SE IDAHO

E. L. IDAHO

So.	62	361.2
cb	63	61.1
+2	71	60.3
1/4	63	61.1
c	62	61.2
+8	59	61.5
1/4	61	61.3
+12	62	61.2
cb	55	61.9
No.	52	62.2
25' E		
No.	52	62.2
+13	51	62.3
cb	60	61.4
1/4	58	61.6
c	60	61.4
1/4	62	61.2
cb	69	60.5
+1	63	61.1
So.	64	61.0
50' E		
So.	64	61.0
+13	60	361.4

367.41

cb	6.7	360.7
1/4	6.1	61.3
c	5.7	61.7
1/4	5.9	61.5
cb	5.9	61.5
+1	5.1	62.3
No	5.1	62.3
75' E		
No	5.2	62.2
+12	4.5	62.9
cb	5.6	61.8
1/4	5.5	61.9
c	5.6	61.8
1/4	5.9	61.5
cb	6.6	60.8
+1	5.8	61.6
So.	6.5	61.9
100' E		
So.	6.4	61.0
+13	5.7	61.7
cb	6.4	61.0
1/4	5.8	61.6
c	5.4	62.0
1/4	5.5	61.9
cb	5.6	61.8
+1	4.7	362.7

367.41

+8		44	363.0
No.		48	62.6
	140' E		
No.		46	62.8
+13		43	63.1
cb		52	62.2
3			
So. cb.		57	61.7
+1		50	62.4
+8		60	61.4
So.		62	61.2
	150' E		
So.		61	61.3
+12		51	62.3
cb		58	61.6
1/4		54	62.0
c		50	62.4
1/4		49	62.5
cb		50	62.4
+7		44	63.0
No.		43	63.1
	160' E		
No.		39	63.5
+13		40	63.4
cb.		48	362.6

367.41

LINCOLN

46

	200' E		
No.		40	363.4
+7		27	63.7
+13		43	63.1
cb		49	62.5
1/4		46	62.8
c		48	62.6
1/4		50	62.4
cb.		57	61.7
+1		48	62.6
So.		57	61.7
	225' E		
So.		52	62.2
+13		51	62.3
cb		56	61.9
1/4		48	62.6
c		42	63.2
1/4		43	63.1
cb		44	63.0
+1		33	64.1
+8		27	64.7
No.		28	64.6
	275' E		
No.		32	64.2
+8		29	64.5
cb		33	64.1

367.41

+1	41	363.3
1/4	41	63.3
c	40	63.4
1/4	45	62.9
cb	5.0	62.0
+1	47	62.7
So.	47	62.7

300' E = W.L. UTAH (Graded)

So	43	63.1
1/2	44	63.0
cb	52	62.2
1/4	47	62.7
c	43	63.1
1/4	43	63.1
+1	43	63.1
cb	36	63.8
No.	31	64.3

E.L. UTAH

No.	31	64.3
cb	32	64.0
+1	43	63.1
1/2	43	63.1
c	43	63.1
1/4	46	62.8
+1/2	53	62.1
cb	45	362.9

LINCOLN

47

So.	43	363.1		
6.75	367.52	4.64	362.77 = 24	SE UTAH

25' E

So.	65	63.0
cb	65	63.0
+1	71	62.4
1/4	65	63.0

c	59	63.6
---	----	------

1/4	60	63.5
-----	----	------

+1/2	60	63.5
------	----	------

cb	53	64.2
----	----	------

No.	51	64.4
-----	----	------

75' E

No.	51	64.4
-----	----	------

cb	51	64.4
----	----	------

+1	59	63.6
----	----	------

1/2	55	64.0
-----	----	------

c	55	64.0
---	----	------

1/4	61	63.4
-----	----	------

cb	68	62.7
----	----	------

+1	63	63.2
----	----	------

So.	66	62.9
-----	----	------

112' E

So.	60	63.5
-----	----	------

+1/3	55	64.0
------	----	------

cb	63	363.2
----	----	-------

369.52

125' E

So.	6.3	363.2
+13	6.0	63.5
cb	6.2	63.1
1/4	5.8	63.7
c	5.5	64.0
1/4	5.6	63.9
cb	5.8	63.7
+1	5.2	64.3
No.	4.9	64.6

150' E

No.	4.8	64.7
cb	5.3	64.2
1/4	5.6	63.9
c	5.6	63.9
1/4	5.9	63.6
cb	6.3	63.2
So.	6.3	63.2

175' E

So.	6.9	62.6
cb	6.5	63.0
1/4	5.5	64.0
+5	6.0	63.5
c	5.8	63.7
1/4	5.5	64.0
cb	4.7	364.8

369.52

LINCOLN

48

No.

47

364.8

200' E

No.	47	64.8
cb	5.2	64.3
1/4	5.9	63.6
c	5.9	63.6
1/4	5.5	64.0
+4	5.1	64.4
cb	6.2	63.3
So.	6.8	62.7

225' E

So.	7.0	62.5
cb	6.1	63.4
1/4	5.1	64.4
+10	6.3	63.2
c	6.1	63.4
1/4	5.9	63.6
cb	5.4	64.1
No.	4.8	64.7

250' E

No.	47	64.8
cb	5.6	63.9
1/4	6.2	63.3
c	6.5	63.0
+7	6.8	62.7
1/4	5.8	363.7

369.57

cb	6.3	363.7
So.	7.0	62.5
275' E		
So.	6.9	62.6
cb	6.7	62.8
1/4	6.9	62.6
c	6.6	62.9
1/4	6.3	63.2
cb	6.1	63.4
No.	5.4	64.1

296' E

No.	5.8	63.7
cb	5.9	63.6
+5	6.9	62.6
1/4	7.2	62.2
c	7.3	62.2
1/4	7.5	62.0
cb	6.9	62.6
So.	7.2	62.3

300' E = W.L. KANSAS (Graded)

So.	7.4	62.1
cb	7.9	61.6
1/4	7.8	61.7
c	7.5	62.0
1/4	7.5	62.0
cb	7.2	362.3

369.57

361.47
LINCOLN 49

tr	6.5	363.0
No.	6.3	63.2

E.L. KANSAS

No.	6.1	63.4
+12	6.4	63.1
cb	7.8	61.7
1/4	7.9	61.6
c	7.7	61.8
1/4	8.3	61.2
cb	8.8	60.7
+1	7.8	61.7
So.	7.5	62.0
T.P.	5.99	367.48
T.P.	8.03	361.49

18' E

So.	5.2	62.3
cb	5.2	62.3
1/4	5.2	62.3
c	4.6	62.9
1/4	4.3	63.2
cb	3.7	63.8
No.	3.6	63.9

35' E

No.	3.2	64.3
+7	3.5	64.0
+10	4.6	62.9
cb	4.6	362.9

367.48

1/2	47	362.8
c	46	62.9
1/2	52	62.3
+6	50	62.5
dt	54	62.1
+10	52	62.3
So.	42	63.3
50' E		
So	41	63.4
+5	45	63.0
dt	41	63.4
1/2	48	62.7
+6	51	62.4
c	49	62.6
1/2	44	63.1
dt	47	62.8
+10	33	64.2
No	33	64.2
75' E		
1/2	2.6	64.9
+6	3.9	63.6
dt	4.2	63.3
1/2	4.6	62.9
c	4.7	62.8
1/2	4.7	62.8
dt	5.2	62.3
So.	4.6	362.9

367.48

LINCOLN 50

100' E		
So	42	363.3
dt	50	62.5
1/2	4.1	63.4
c	4.9	62.6
1/2	4.7	62.8
+3	5.2	62.3
dt	4.6	62.9
+11	4.5	63.0
No	3.5	64.0
125' E		
No.	4.4	63.1
+7	4.0	63.5
dt	4.4	63.1
1/2	5.3	62.2
+5	4.7	62.8
c	5.1	62.4
+4	5.1	62.1
+7	4.7	62.8
1/2	4.6	62.9
+6	4.6	62.9
dt	5.2	62.3
So.	4.9	62.6
150' E		
So.	5.1	62.4
dt	5.0	362.5

367.48

1/2	53	362.2
c	4.8	62.7
+12	4.6	62.9
1/2	5.6	61.9
+3	5.9	61.6
+4	5.0	62.5
cb	4.7	62.8
No.	4.8	62.7

162' E

No.	4.6	62.9
+4	5.0	62.5
cb	4.9	62.6
+9	5.2	62.3
+11	6.0	61.5
1/2	5.7	61.8
+3	5.0	62.5
c	5.2	62.3
1/4	5.6	61.9
cb	6.0	61.5
So	5.9	61.6

175' E

So	6.2	61.3
cb	5.1	62.4
+4	4.6	62.9
+8	5.1	62.4
1/4	5.1	362.4

367.48

+6	5.5	362.0
c	5.1	62.4
+11	4.9	62.6
1/2	5.7	61.8
+3	5.1	62.4
cb	5.0	62.5
No.	4.9	62.6

183' E

No.	5.1	62.4
cb	4.8	62.7
+8	4.8	62.7
1/2	5.8	61.7
+2	5.0	62.5
c	5.1	62.4
1/2 +9	5.6	61.9
1/2	5.3	62.2
cb	4.8	62.7
+8	5.9	61.6
So	6.0	61.5

200' E

So	6.1	61.4
cb	6.2	61.3
1/2	5.9	61.6
c	5.3	62.2
+8	5.1	62.4
1/4	5.9	361.6

51

367.48

+5	55	362.0
cb	5.3	62.2
+10	5.2	62.3
No.	4.8	62.7
225' E		
No.	4.5	63.0
cb	5.0	62.5
+10	5.5	62.0
1/4	6.2	61.3
+1	5.4	62.1
+5	5.1	62.4
c	5.3	62.2
1/4	6.2	61.3
cb	6.2	61.3
So.	6.2	61.1
245' E		
So.	6.6	60.9
cb	6.2	61.1
1/4	5.8	61.7
c	5.2	62.3
1/4	5.3	62.2
+2	6.1	61.4
+8	5.0	62.5
cb	4.8	62.7
No.	4.7	62.8

367.48

52

253' E

No.	4.7	362.8
cb	4.5	63.0
+5	4.6	62.9
1/4	5.6	61.9
+2	5.0	62.5
c	5.2	62.3
+5	5.3	62.2
1/4	4.3	63.2
+6	4.3	63.2
cb	5.8	61.7
So.	6.5	61.0
265'		
So.	6.2	61.1
cb	5.8	61.7
1/4	5.3	62.2
c	5.5	62.0
+11	5.1	62.4
1/4	6.3	61.2
+2	6.3	61.2
+3	5.1	62.4
cb	4.2	63.3
+6	4.8	62.7
No.	4.3	363.2

367.48

268' E

No.	44	362.1
cb	52	62.3
+10	51	62.4
1/4	6.4	61.1
+2	5.3	62.2
c	5.5	62.0
1/4	5.4	62.1
cb	5.8	61.7
+10	5.9	61.6
So.	5.7	61.8

280' E

So	5.7	61.8
cb	5.2	62.3
1/4	5.1	62.4
+3	5.1	62.4
+9	6.0	61.5
c	5.7	61.8
+11	5.6	61.7
1/4	6.7	60.8
+2	6.6	60.9
+5	5.2	62.3
cb	5.1	62.4
No	46	362.9

367.48

LINCOLN

53

300' E = W.L. 30th St (Graded.)

No.	54	362.1
cb	60	61.5
+4	6.7	60.8
1/4	6.9	60.6
c	6.4	61.1
1/4	6.9	60.6
+11	7.3	60.2
cb	6.5	61.0
So.	6.4	61.1
T.P. 635	595	361.53

367.88
E.L. 30th St

So.	7.3	60.6
cb	7.6	60.3
+2	8.0	59.9
1/4	7.7	60.2
c	7.2	60.7
1/4	7.6	60.3
cb	7.4	60.5
+3	6.8	61.1
No.	66	61.3

H' E

No.	58	62.1
cb	5.5	62.4
+6	7.1	60.8
1/4	7.2	60.7
c	6.5	361.4

367.88

1/4	7.4	360.5
+7	77	60.2
ob	71	60.8
So.	67	61.2

20' E

So.	67	61.2
ob	63	61.6
1/4	58	62.1
c	63	61.6
1/4	66	61.3
ob	56	62.3
No.	56	62.3

50' E

No.	55	62.4
ob	57	62.2
1/4	67	61.2
+1	63	61.6
c	62	61.7
1/4	63	61.6
ob	66	61.3
So.	70	60.9

75' E

So.	63	61.6
+7	63	61.6
ob	49	61.0
1/4	66	361.3

367.88

c	68	361.1
+11	65	61.4
1/4	7.4	60.5
+5	61	61.8
ob	55	62.4
No.	55	62.4

85' E

1/4	51	62.8
ob	57	62.1
+6	56	62.3
1/4	68	61.1
+2	63	61.6
c	62	61.7
1/4	69	61.0
ob	71	60.8
So.	71	60.8

100' E

So.	67	61.2
+5	61	61.8
ob	59	62.0
1/4	67	61.2
c	63	61.6
1/4	62	61.7
+2	66	61.3
ob	55	62.4
+7	52	362.7

LINCOLN

54

367.88

No.	5.2	362.7
	125 E	
No.	53	362.6
cb	53	62.6
+9	56	62.3
1/2	61	61.8
C	53	62.6
1/2	66	61.3
+9	56	62.3
cb	58	62.1
+8	68	61.1
So.	70	60.9
	137' E	
So.	59	62.2
+5	64	61.5
cb	65	61.4
1/2	65	61.4
C	52	62.7
+7	54	62.5
1/2	61	61.8
cb	46	63.3
No.	51	62.8
	150' E	
No.	47	63.2
cb	52	62.7
1/2	62	361.7

367.88

LINCOLN 55

+8	52	362.7
C	54	62.5
1/4	60	61.6
cb	60	61.9
So	53	62.6
	161' E	
So	64	61.5
cb	64	61.5
1/4	63	61.6
C	53	62.6
1/2	57	62.2
+6	57	62.2
cb	55	62.4
+10	52	62.7
No.	57	62.2
	175' E	
No.	58	62.1
cb	52	62.7
1/4	58	62.1
C	52	62.7
+8	63	61.6
1/4	63	61.6
cb	64	61.5
So	63	61.6

367.88

193' E

So.	6.5	361.4
+4	6.3	61.6
+11	5.2	62.7
cb	5.1	62.8
+7	5.7	62.2
1/2	5.6	62.3
C	4.9	63.0
1/4	5.2	62.7
+8	4.6	63.5
cb	4.1	63.8
No.	4.8	63.1

210' E

No.	5.4	62.5
cb	5.0	62.9
1/2	5.1	62.8
+7	4.9	63.0
C	5.5	62.4
1/2	6.0	61.9
cb	6.1	61.8
So.	6.2	61.7

242' E

So.	5.9	62.0
cb	6.0	61.9
1/4	6.0	61.9
C	5.6	62.3
1/4	5.5	362.4

367.88

LINCOLN 56

+2

cb

No.

No.

cb

1/4

C

+6

1/4

cb

So

So

cb

1/4

C

1/2

cb

No.

No.

cb

1/4

C

1/4

5.9

5.3

5.4

3.9

5.4

5.8

5.5

5.8

6.0

5.9

5.8

5.4

5.5

5.6

5.4

5.9

5.2

3.7

4.6

5.1

5.8

5.3

5.6

362.0

62.6

62.5

64.0

62.5

62.1

62.4

62.1

61.9

62.0

62.1

62.5

62.4

62.3

62.5

62.0

62.7

64.2

63.3

62.8

62.1

62.6

362.4

250' E

262' E

270' E

367.88

cl	54	362.5
So.	56	62.3
285' E		
So	54	62.5
cl	52	62.7
1/4	52	62.7
c	52	62.5
+10	57	62.2
1/4	53	62.6
cl	52	62.7
No.	51	62.8

298.5' E = W.L. OHIO ST (Graded)

No.	45	63.4
+12	51	62.8
cl	55	62.4
+3	60	61.9
1/2	56	62.3
c	55	62.4
1/4	58	62.1
+11	61	61.8
cl	56	62.3
So	53	62.6
24K	5.49	367.78
E.L. OHIO		
So.	51	62.7
cl	55	62.3

367.78

LINCOLN

57

+4	61	361.7
1/4	55	62.0
c	54	62.4
1/4	52	62.6
cl	49	62.9
No.	46	63.2
6' E		
No.	41	63.7
+8	31	64.7
cl	41	63.7
1/2	52	62.6
+2	53	62.5
c	53	62.5
1/4	59	61.9
+10	57	62.1
cl	35	64.3
+5	1.9	65.9
So	21	65.7
12' E		
So	30	64.8
+9	32	64.6
cl	40	63.8
+4	55	62.3
1/4	56	62.2
c	52	62.6
1/4	48	363.0

367.78

+3	43	363.5
dt	40	63.8
No.	42	63.6
27'E		
No.	38	64.0
dt	44	63.4
1/4	49	62.9
c	51	62.7
1/6	54	62.4
dt	54	62.4
So.	51	62.7
43'E		
So.	48	63.0
dt	52	62.6
1/6	54	62.4
+9	53	62.5
c	44	63.4
1/6	45	63.5
dt	46	63.2
No.	40	63.8
58'E		
No.	39	62.9
dt	35	64.3
1/6	46	63.2
c	52	62.6
1/4	55	362.3

367.78

LINCOLN 58

+10	51	362.7
dt	45	63.3
+7	27	64.1
So.	36	64.2
67'E		
So.	41	63.7
dt	53	62.5
1/4	53	62.5
c	52	62.6
1/6	48	63.0
dt	42	63.6
No.	42	63.6
76'E		
No.	43	63.5
dt	45	63.3
1/4	50	62.8
c	53	62.5
1/6	55	62.3
dt	55	62.3
So.	55	62.3
90'E		
So.	55	62.3
dt	54	62.4
1/4	54	62.4
c	52	62.6
1/4	47	363.1

367.78

cb	47	363.1
+7	51	627
No.	47	63.1
105' E		
No.	47	63.1
cb	50	628
1/4	50	628
c	52	626
1/4	56	622
+9	58	625
d	47	631
+4	42	636
So	44	634

120' E

So	57	621
cb	56	622
1/4	54	624
c	53	625
1/4	49	629
+6	43	635
cb	47	631
+7	52	626
No.	49	629

154' E

No.	41	637
cb	51	362.7

367.78

LINCOLN

59

1/4	50	3628
c	49	629
1/4	52	626
cb	55	623
So	56	622
164' E		
So	51	627
cb	55	623
1/4	51	627
c	51	627
1/4	52	626
cb	53	625
No.	51	627

181' E

No.	38	640
cb	46	632
1/4	53	625
c	54	624
1/4	52	626
+8	48	630
cb	54	624
So	54	624

191' E

So	56	622
cb	54	624
1/4	53	362.5

367.78

c	52	3626
1/4	52	626
cb	47	631
+4	37	641
No.	43	635

202' E

No.	53	625
cb	50	628
1/4	52	626
c	52	626
1/4	54	624
cb	48	630
So.	54	624

225' E

So.	54	624
cb	56	623
1/4	51	627
c	51	627
1/4	53	625
cb	50	628
No.	51	627

239' E

No.	50	628
cb	49	629
1/4	52	626
c	51	3627

367.78

+5	50	3628
+8	44	634
1/4	48	630
+8	44	634
cb	52	626
So.	55	623

253' E

So.	36	642
cb	53	625
1/4	53	625
c	52	626
1/4	53	625
cb	49	629
No.	48	630

265' E

No.	47	631
cb	46	632
1/4	52	626
c	53	625
1/4	56	622
cb	54	624
So.	50	628

280' E

So.	56	622
cb	48	630
+5	44	3634

LINCOLN

60

367.78

1/4	5.2	3626
c	5.2	626
1/4	5.4	624
cb	5.0	628
No.	5.1	627
292' E		
No.	5.1	627
cb	4.9	629
1/4	5.2	626
c	5.2	626
1/4	5.2	626
+9	5.1	627
cb	4.6	632
+6	4.1	637
So.	5.0	628
297' E		
So.	4.1	637
+10	3.6	642
cb	4.6	632
+3	5.1	627
1/4	5.2	626
c	5.1	627
1/4	5.2	626
cb	5.2	626
+5	4.1	637
No.	4.4	3634

367.78

LINCOLN

61

300' E = W.L. Illinois (Graded)

No.	4.1	3637
+10	4.6	632
cb	5.3	625
1/4	5.2	626
c	4.9	629
1/4	5.2	626
+8	5.0	623
cb	4.9	629
So	4.7	631
T.P. 503	367.83	362.83

E.L. I Illinois

So.	4.8	631
+10	5.1	628
cb	5.6	623
+3	6.0	619
1/4	5.3	626
c	4.9	630
1/4	5.3	626
cb	5.1	628
+2	4.6	633
No.	4.7	632
25' E		
No.	5.0	629
cb	5.1	628
1/4	5.3	3626

BP
SE III.

367.86

c		5.1	362.8
1/4	"	5.2	627
db		5.6	623
So.		5.5	624

33' E

So		5.9	620
db		5.8	621
1/4		5.4	625
c		5.1	628
1/4		5.4	625
+7		5.2	627
db		4.6	634
No.		5.1	628

50' E

No.		5.4	625
db		5.6	624
1/4		5.5	624
+2		5.8	621
c		5.2	627
+6		5.0	629
1/4		5.6	624
db		5.7	622
+7		5.1	628
So		5.4	625

75' E

So.		5.5	362.4
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367.86

LINCOLN 82

db		5.3	362.6
+7		5.7	622
1/4		5.4	625
+8		5.1	628
c		5.4	625
1/4		5.9	620
+3		5.6	623
db		5.5	624
No		5.2	627

100' E

No.		5.0	629
db		5.3	626
1/4		5.6	623
+3		5.9	620
c		5.0	629
+6		4.8	631
1/4		5.4	625
+6		5.9	620
db		5.8	621
So.		5.5	624

110' E

So.		5.9	620
db		5.8	621
1/4		5.2	627
+6		4.8	631
c		5.1	362.8

367.86

1/4	5.7	362.2
cb	5.2	62.7
No.	4.7	63.2

125' E

No.	5.1	62.8
cb	5.2	62.7
1/4	5.5	62.4
c	5.1	62.8
1/4 +7	4.9	63.0
1/4	5.2	62.7
cb	5.8	62.1
So.	5.2	62.7

140' E

So.	5.5	62.4
cb	5.5	62.4
1/4	5.1	62.8
c	5.0	62.9
1/4	5.8	62.1
cb	5.3	62.6
No.	5.0	62.9

150' E

No.	4.8	63.1
cb	5.0	62.9
1/4	5.5	62.4
c	5.1	62.8
1/4	4.7	363.2

367.86

d	5.0	362.9
So.	5.3	62.6

175' E

So.	5.6	62.3
cb	5.7	62.2
1/4	5.4	62.5
c	5.2	62.7
1/4	5.6	62.3
cb	5.3	62.6
No.	5.3	62.6

200' E

No.	5.1	62.8
cb	5.3	62.6
1/4	5.6	62.3
c	5.3	62.6
1/4	5.2	62.7
cb	5.4	62.5
So.	5.7	62.2

220' E

So.	5.8	62.1
cb	6.1	61.8
1/4	5.2	62.7
+2	4.9	63.0
c	5.0	62.9
1/4	5.4	62.5
cb	5.0	362.9

LINCOLN

63

36786

No.	50	362.9
	230' E	
No.	50	62.9
dt	4.9	630
1/4	5.3	626
c	5.2	627
1/4	5.4	625
dt	5.7	622
So.	5.1	628
	250' E	
So	5.3	626
dt	5.7	622
+6	5.2	627
1/4	5.5	624
c	5.4	625
1/4	5.4	625
dt	5.2	627
No	5.1	628
	275' E	
No	5.3	626
dt	5.4	625
1/4	5.8	62.1
c	5.3	62.6
+10	5.7	62.2
1/4	5.6	62.4
+8	5.2	62.7
dt	5.7	362.2

36786

LINCOLN 64

So	5.6	362.3
	300' E = W.L. IOWA	
So	5.6	62.3
dt	6.3	61.6
1/4	6.3	61.6
c	6.1	61.8
1/4	6.3	61.6
dt	6.2	61.7
+3	5.6	62.3
No	5.3	62.6
	E. L. IOWA	
No.	6.6	61.3
dt	7.1	60.8
1/4	7.2	60.7
c	7.3	60.6
1/4	7.3	60.6
dt	7.3	60.6
+7	6.3	61.3
So	6.5	61.4
T.P.	256	363.45
	4' E	
So	6.97	360.89
		SE Iowa
	1.6	61.9
+5	0.5	63.0
+11	0.9	62.6
dt	2.1	61.4
+3	2.8	360.7

363.45

1/4		2.6	360.9
c		2.9	60.6
1/4		2.6	60.9
db		1.9	61.6
+9		1.6	61.9
No.		1.8	61.7
	12'E		
No.		1.9	61.6
db		1.7	61.8
1/4		2.3	61.2
c		2.7	60.8
1/4		2.5	61.0
+10		2.5	61.0
db		1.8	61.7
So.		2.2	61.3
	25'E		
So.		2.2	61.3
db		2.1	61.4
1/4		2.3	61.1
c		2.1	61.1
1/4		2.3	61.2
db		2.0	61.5
No.		2.2	61.3
	50'E		
No.		2.5	61.0
db		2.6	360.9

363.45

65

1/4		2.6	360.9
c		2.1	61.1
1/4		2.7	60.8
db		2.9	60.6
So		3.1	60.4
	75'E		
So.		3.0	60.5
db		3.1	60.1
1/4		2.8	60.7
+7		3.3	60.2
c		2.9	60.6
1/4		2.8	60.7
db		3.1	60.4
No.		3.0	60.5
	100'E		
No.		3.7	59.8
db		3.8	59.7
1/4		3.7	59.8
+8		3.6	60.0
c		3.9	59.6
1/4		3.3	60.2
db		3.6	59.9
So.		3.7	59.8
	125'E		
So		4.2	59.3
+7		4.7	358.8

cb	363.45	42	359.3
1/4c		43	59.2
+6		60	57.5
c		51	58.4
1/4		49	58.6
cb		46	58.9
No		47	58.8
	155' E		
No.		68	56.7
cb		66	56.9
1/4		7.0	56.5
c		67	56.8
1/4		6.1	57.4
cb		58	57.7
So.		53	58.2
	175' E		
So		7.1	56.4
cb		7.2	56.3
1/4		7.3	56.2
+10		8.2	55.3
c		7.9	53.6
1/4		8.1	53.4
cb		8.4	55.1
No.		8.8	54.7
	200' E		
No		10.5	353.0

cb	363.45	10.2	353.3
1/4		9.9	53.6
c		8.8	54.7
1/4		9.3	54.7
cb		9.2	54.3
So.		8.4	55.1
	225' E		
So		10.4	53.1
cb		11.1	52.4
1/4		11.1	52.4
c		9.6	53.9
+5		9.8	53.7
1/4		11.5	52.0
cb		12.0	51.5
No		12.3	51.2
TP	300 353.46	12.99	350.46
	240' E		
No		3.3	50.2
cb		3.2	50.3
1/4		3.3	50.2
+10		1.2	52.3
c		1.1	52.4
1/4		1.2	52.3
1/4 +9		2.5	51.0
1/4		2.1	51.4
cb		1.9	351.6

So.	35346	1.6	351.9
	250' E		
So		2.1	51.1
cb		2.1	51.1
+11		2.9	50.6
1/2		3.6	49.8
+3		3.6	49.9
+10		1.1	52.1
c		1.1	52.1
+1		1.1	52.1
+10		1.3	49.2
1/4		4.1	49.1
cb		4.2	49.3
No.		4.5	49.0
	275' E		
No		6.1	47.1
+6		6.7	46.8
+10		8.7	44.8
cb		8.6	44.9
1/4		7.9	45.6
+5		7.6	45.9
+9		2.9	50.6
c		3.1	50.4
+4		3.6	49.9
1/4		6.6	46.9
+8		6.7	346.8

cb	35346	6.0	347.5
+7		5.0	48.5
So		5.2	48.3
	240' E		
So		7.2	46.3
cb		8.0	45.5
1/4		9.1	44.4
+8		5.1	48.1
c		7.9	45.6
1/2		8.4	45.1
+5		10.0	43.5
cb		10.2	43.3
+4		9.6	43.9
+9		7.7	45.8
No.		7.1	46.1
	294' E		
No.		7.5	46.0
+6		7.9	45.6
cb		10.1	43.4
1/4		9.6	43.9
+3		8.5	45.0
c		8.6	44.9
+8		8.5	45.0
1/4		9.6	43.9
cb		8.2	45.3
So		7.4	346.1

35346

300' E = W.L. 32nd St (GRADED)

So	8.2	345.3
db	8.8	44.7
1/4	9.0	44.5
c	9.0	44.5
1/4	9.0	44.5
+10	8.9	44.6
db	8.5	45.0
No.	8.3	45.2

E.L. 32nd St.

No.	9.5	44.0
db	9.5	44.0
1/4	9.6	43.9
c	9.3	44.2
1/4	9.6	43.9
db	9.9	43.6
So	9.6	43.9

25' E

So	10.5	43.0
db	9.6	43.9
1/4	9.7	43.8
c	9.7	43.8
1/4	9.3	44.2
db	9.3	44.2
No.	8.8	344.7

LINCOLN 68

35346 40' E

No.	8.9	344.6
db	9.1	44.4
1/4	9.3	44.2
c	9.6	43.9
+11	10.1	43.4
1/4	9.8	43.7
db	10.1	43.4
So	10.0	43.5

40' E

So	10.7	42.8
db	10.6	42.9
1/4	10.3	43.2
c	9.5	44.0
1/4	9.1	44.4
db	8.8	44.7
No.	8.5	45.0

75' E

No.	8.1	45.0
db	8.2	45.1
1/4	8.6	44.9
+5	9.3	44.2
c	9.1	44.4
1/4	10.0	43.5
db	10.2	43.3
So	10.5	343.0

353.46

125' E

So	9.5	3440
db	9.3	442
1/2	8.9	446
c	8.2	453
+5	8.5	450
1/2	8.1	454
db	8.0	455
No	7.3	462

150' E

No	7.1	464		
db	7.5	460		
1/2	7.2	463		
c	7.1	464		
1/2	8.3	452		
db	8.6	449		
So	9.2	443		
T.P.	5.42	350.11	8.77	344.69

175' E

So	5.5	446
db	5.1	450
1/2	4.7	454
+5	4.8	453
c	4.0	461
+10	3.6	465
1/2	4.2	3459

LINCOLN 69

350.11

db	3.8	3463
No	3.8	463
200' E		
No	3.9	462
db	3.7	464
1/2	4.2	457
+5	3.9	462
c	4.0	461
+7	4.5	456
1/2	4.2	457
db	4.9	452
So	5.0	451

225' E

So	4.8	453
db	4.7	454
1/2	4.5	456
c	4.5	456
1/2	4.2	459
db	4.1	460
No	4.0	461

250' E

No	4.3	458
db	4.3	458
1/2	4.5	456
c	4.7	454
1/2	4.2	3457

350.11

ob 47 3454

So. 48 453

275'E

So. 50 451

ob 48 453

1/4 48 453

+8 53 448

c 51 450

1/4 50 451

ob 49 452

No. 50 451

$$\left. \begin{array}{l} 301.5 \text{ E } 27 \text{ No.} \\ 311.5 \text{ E } 30 \end{array} \right\} = \text{V.L. WASHINGTON?}$$

No. 63 438

ob 59 442

1/4 61 440

+5 64 437

c 61 440

1/4 60 441

ob 58 443

So. 58 443

ob 7.25 342.86 ob 51/2 Wash

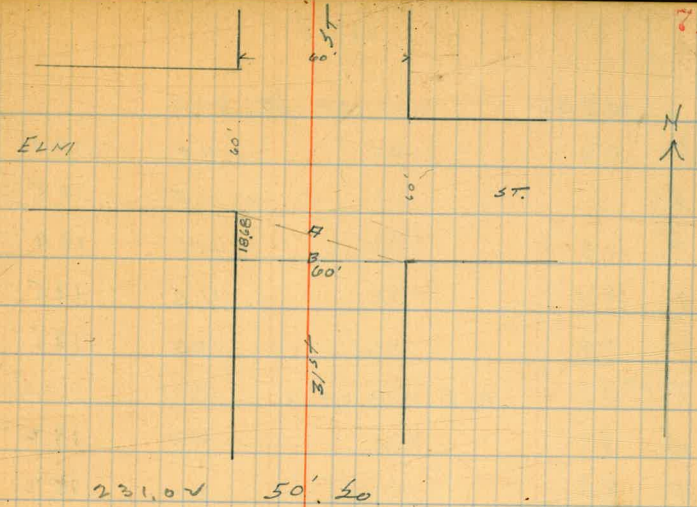
70

2/2/19

CROSS SECTION OF
31st St 60' wide 10' above 1/2
from S.L. Elm St to
N.L. of So. Park Addn

S.L. Elm St = SECT. A

BM	1.86	231.02	229.16	Max S.L. Elm
W			0.4	230.6
cb			0.8	30.2
1/4			1.5	29.5
C			1.9	29.1
1/2			2.4	28.6
cb			3.0	28.0
E			4.0	27.0
18.65' to 27.11' - E SECT B = 00				
E			4.0	27.0
cb			3.4	27.6
1/4			2.7	28.3
C			2.3	28.7
1/2			2.0	29.0
cb			1.8	29.2
W			1.9	29.1
25' 50"				
W			4.2	26.8
cb			3.9	27.1
1/4			4.2	26.8
C			4.2	26.8
1/2			4.5	26.5
cb			5.1	25.9
E			5.7	225.3



E	7.6	223.6
cb	7.1	23.9
1/4	6.6	24.5
C	6.2	24.8
1/2	6.3	24.7
cb	6.5	24.5
W	7.1	23.9
75' 50"		
-10	12.6	18.4
W	11.1	19.9
cb	10.0	21.0
1/4	9.1	21.9
C	8.5	22.5
1/2	8.6	22.4
cb	9.0	22.0
E	9.5	221.5

23102

100' So.

E			11.9	219.1
H			11.5	195
1/4			11.1	19.9
C			11.5	195
1/4			12.5	185
T.P.	0.18	218.12	13.08	217.94
dt			0.9	17.2
W			2.4	15.7
+10			4.2	13.9

125' So.

-15			8.6	9.5
W			7.2	10.9
dt			5.8	12.3
1/4			4.0	14.1
C			2.3	15.8
1/4			1.6	16.5
dt			1.5	16.6
E			1.7	16.4

150' So.

E			4.1	14.0
dt			4.6	13.5
1/4			6.2	11.9
C			2.1	11.0
1/4			8.6	9.5
dt			9.8	208.3

3157 72

W

218.14

10.9

207.2

+15

12.4

57

168' So.

-15

14.7

3.4

W

13.2

4.9

dt

12.1

6.0

1/4

11.4

6.7

C

10.3

7.8

1/4

9.4

8.7

dt

8.0

10.1

E

7.1

11.0

185' So.

E

10.6

7.5

dt

10.9

7.2

1/4

11.9

6.2

C

12.2

5.9

1/4

13.2

4.9

T.P.

0.07

205.15

13.04

205.08

dt

0.7

4.5

W

2.1

3.1

+15

4.4

200.8

+20

0.7

198.5

195' So.

-20

9.6

195.6

W

4.5

200.7

dt

2.9

202.3

205.15

1/2	14	203.8	
C	0.2	5.0	
1/4	0.5	4.8	
cb	+0.4	5.6	
E	+0.6	5.8	
203 So.			
E	0.9	4.3	
cb	0.8	4.4	
1/4	1.5	3.7	
C	1.5	3.7	
1/2	2.1	302.8	
cb	4.7	200.5	
W	8.2	197.0	
+30	11.3	193.9	
+45	14.9	190.3	
225 So.			
-23	16.2	189.0	
W	13.6	191.6	
cb	11.0	194.1	
1/2	7.6	197.6	
+5	6.5	198.7	
C	6.0	199.2	
1/4	5.4	199.8	
cb	4.8	200.4	
+8	4.9	200.3	
E	4.3	200.9	on/avg

31st 73

250 So

E	8.6	196.5	
+2	9.0	196.1	
cb	9.0	196.1	
1/4	9.5	195.6	
C	9.8	195.3	
1/2	11.0	194.1	
T.P.	1.36	193.70	
cb	2.7	191.0	
W	5.6	188.1	
+15	8.4	185.3	
+40	11.2	182.5	wash
+30	10.5	183.3	
275 So.			
-30	10.9	182.8	
-20	11.9	181.8	wash
W	9.1	184.6	
cb	5.5	188.3	
1/2	1.9	191.8	
C	1.3	192.4	
1/4	1.1	192.6	
cb	0.5	193.3	
E	0.3	193.4	
+10	0.3	193.4	
290 So.			
-10	1.8	191.9	

199.70

E	2.0	191.7	
cb	2.1	191.3	
1/4	3.2	190.5	
+5	3.8	189.9	
c	3.7	190.0	
1/4	3.6	190.1	
cb	8.0	185.7	
+5	10.0	183.7	
W	11.2	182.5	
+17	12.0	181.7	wash
+30	11.5	182.2	

303' So

-30	11.8	181.9	
W	12.1	181.3	
cb	11.8	181.9	
+6	10.6	183.1	
1/4	8.7	185.0	
+3	7.2	186.5	
c	6.2	187.5	
+2	6.4	187.3	
1/4	5.1	188.6	
cb	4.0	189.7	
E	3.7	190.0	
+10	3.5	190.2	

308' So

-10	3.6	190.1	
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31st St

74

E	4.1	189.6	
cb	4.9	189.0	
1/4	6.1	187.6	
c	7.6	186.1	
1/4	9.7	184.0	
cb	11.7	182.0	
W	13.8	179.9	Bottom und
+5	12.1	181.3	
+25	12.1	181.6	
+35	11.1	182.6	

315' So

-35	10.7	183.0	
-20	12.6	181.1	
-2	12.6	181.1	
W	13.9	179.8	wash Bottom
+5	13.8	179.9	
+7	12.5	181.2	
cb	12.0	181.7	
1/4	10.5	183.2	
c	8.6	185.1	
1/4	6.8	186.9	
cb	5.3	188.4	
E	4.8	188.9	
+10	4.1	189.3	

322' So

-10	5.2	188.5	
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193.70

E	57	188.0
dt	67	187.0
1/2	10.4	183.5
C	126	181.1
1/2	131	180.6
+6	131	180.6
dt	145	179.2
+4	146	179.1
+6	133	180.4
W	130	180.7
+25	125	181.2
+35	10.6	183.1

331' So

-35	11.6	182.1
-25	11.8	181.9
-20	13.0	180.7
W	13.6	180.1
dt	14.2	179.5
+5	14.8	178.9
1/2	14.5	179.2
C	14.7	179.0
1/2	14.2	179.5
dt	10.0	183.7
+5	9.7	186.0
E	7.1	186.6
+15	5.8	187.9

314 ST 75

339' So

-20	7.1	186.6 ✓
-9	7.7	186.0 ✓
E	123	181.4 ✓
dt	150	178.7 ✓
1/2	16.1	177.6 ✓
C	15.7	178.0 ✓
1/2	15.2	178.5 ✓
dt	14.5	179.2 ✓
W	14.0	179.7 ✓
+15	13.4	180.3 ✓
+25	10.5	183.2 ✓

344' So

-25	29	183.8 ✓
W	14.6	179.1 ✓
dt	14.6	179.1 ✓
1/2	14.7	179.0 ✓
C	14.8	178.9 ✓
1/2	15.9	178.1 ✓
dt	16.4	177.3 ✓
E	16.0	177.7 ✓
+11	8.2	185.5 ✓
+20	7.9	185.8 ✓

348' So

-20	9.0	184.7 ✓
-10	10.6	183.1 ✓

-4	15.9	177.8	bottom nasty
E	16.8	176.9	
cb	16.0	177.7	✓
1/2	15.2	178.5	✓
C	14.7	179.0	✓
1/4	14.3	179.4	✓
cb	14.2	179.5	✓
W	14.0	179.7	✓
+8	11.8	181.9	✓
+20	10.0	183.7	✓
353' So.			
-20"	9.3	184.4	✓
W	12.0	181.7	✓
cb	13.6	180.1	✓
1/4	14.1	179.6	✓
C	14.7	179.0	✓
1/4	15.1	178.6	✓
cb	15.8	177.9	✓
E	16.3	177.4	✓
+5	17.1	176.6	✓
+15	11.4	182.3	✓
+25	10.2	183.5	✓
363' So.			
-35	13.8	179.9	✓
-13	16.1	177.6	✓
-8	17.4	176.3	bottom nasty

E	16.3	177.4	✓
cb	15.8	177.9	✓
1/2	15.3	178.4	✓
C	14.6	179.1	✓
1/2	13.9	179.8	✓
cb	13.1	180.6	✓
W	11.2	182.5	✓
+15	8.2	185.5	✓
375' So.			
-15	4.9	188.8	✓
W	8.8	184.9	✓
cb	11.4	182.3	✓
1/4	13.5	180.2	✓
C	14.3	179.4	✓
1/4	15.2	178.5	✓
cb	15.8	177.9	✓
E	16.4	177.3	✓
+12	18.4	175.2	bottom
+22	16.8	176.9	✓
+40	16.4	177.5	✓
400' So.			
-40	17.5	176.2	✓
-30	17.5	176.2	✓
-20	19.9	173.8	✓
-18	18.3	175.4	✓
E	16.1	177.6	✓

193.70

dt	15.8	177.9 ✓
1/4	15.0	178.7 ✓
C	13.8	179.9 ✓
1/2	12.5	181.2 ✓
dt	10.1	183.6 ✓
W	6.8	186.9 ✓
+10	2.7	191.0 ✓

425' So.

-10	+1.2	194.9 ✓
W	3.3	190.4 ✓
dt	6.6	187.1 ✓
1/4	10.2	183.5 ✓
C	11.9	181.8 ✓
1/4	13.9	179.8 ✓
dt	15.0	178.7 ✓
E	16.2	177.5 ✓
+21	18.4	175.3 ✓
+26	20.8	174.9 ✓ bottom
+32	18.6	175.1 ✓
+46	18.4	175.1 ✓
TP	4.06	197.33 ✓
	431' So.	0.43

431' So.

-40	22.5	174.8 ✓
-34	22.6	174.7 ✓
-29	24.8	172.5 ✓ bottom
-24	21.9	175.4 ✓
E	19.2	178.1 ✓

31st ST 77

dt	18.0	179.3 ✓
1/2	16.2	181.1 ✓
C	14.4	182.9 ✓
1/4	12.3	185.0 ✓
dt	8.8	188.5 ✓
W	5.0	192.3 ✓
+10	0.3	197.0 ✓

440' So.

-5	0.0	197.3 ✓
W	1.7	195.6 ✓
dt	5.3	192.0 ✓
1/4	8.6	188.7 ✓
C	12.1	185.2 ✓
1/4	13.4	183.9 ✓
dt	15.6	181.7 ✓
E	17.7	179.6 ✓
+28	22.2	175.1 ✓
+34	24.9	172.4 ✓ bottom
+40	24.5	174.8 ✓

455' So.

-40	24.0	173.3 ✓
-30	21.1	176.2 ✓
E	12.9	184.4 ✓
dt	10.3	187.0 ✓
1/4	7.8	189.5 ✓
C	6.2	191.1 ✓

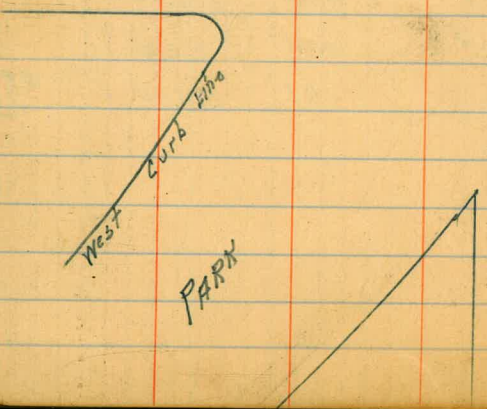
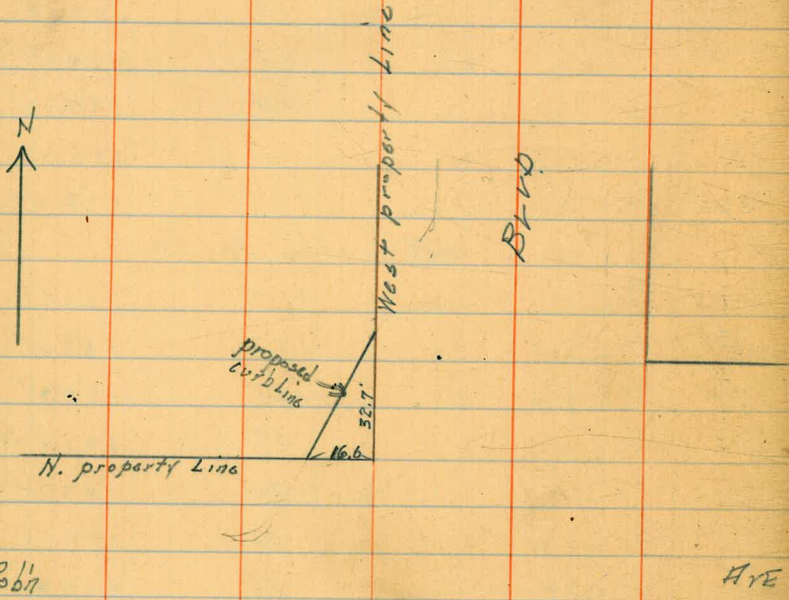
1/4		30	194.3 ✓
T.P.	11.98	205.25	406 193.27
db		68	198.0 ✓
W		39	201.4 ✓
		465 So	
W		25	202.8 ✓
db		51	200.2 ✓
1/4		75	197.8 ✓
C		104	194.9 ✓
1/4		130	192.3 ✓
+3		130	192.3 ✓
db		147	190.6 ✓
E		15.3	187.0 ✓
+25		26.5	178.8 ✓
		477 So	
-30		27.6	177.7 ✓
E		16.1	189.2 ✓
db		13.3	192.0 ✓
1/4		11.1	194.2 ✓
0		89	196.4 ✓
1/4		64	198.9 ✓
db		39	201.4 ✓
W		17	203.6 ✓

		490 So	
W		0.6	204.7 ✓
db		27	201.6 ✓
1/4		55	199.8 ✓
C		83	197.0 ✓
1/4		104	194.9 ✓
db		133	192.0 ✓
E		17.0	188.3 ✓
+25		27.1	178.2 ✓
		498.9 = N.L. So Park	
-25		27.1	177.9 ✓
E		177	187.6 ✓
db		13.1	197.2 ✓
1/4		98	195.5 ✓
C		75	197.8 ✓
1/4		55	199.8 ✓
db		31	202.2 ✓
W		0.3	205.0 ✓
T.P.	1204	216.54 ✓	075 204.50 ✓
	1247	226.54 ✓	249 214.05 ✓
			108 225.44 ✓

3/5⁺ 5770-77
 835
 30962
 201.89

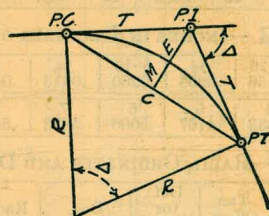
EP
 SW Grove
 a Bador

5/13/22 Gregory, proposed Curb Line
PARK BLVD
+ Rob'n



DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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187.1	155
183.5	151.8
10.2	119
195	126
179.5	178.7
162	150
	179.8
	139

CURVE FORMULAS

- Radius = $R = \frac{50}{\sin \frac{D}{2}}$ (1) Degree of Curve = D and $\sin \frac{D}{2} = \frac{50}{R}$ (2)
- Tangent = $T = R \tan \frac{\Delta}{2}$ (3) Length of Curve = $L = 100 \frac{\Delta}{D}$ (4)
- Middle ordinate = $M = R(1 - \cos \frac{\Delta}{2}) = R \text{vers} \frac{\Delta}{2}$ (6)
- External = $E = T \tan \frac{\Delta}{4} = R \div \cos \frac{\Delta}{2} - R$ (8) = $R \text{exsec} \frac{\Delta}{2}$ (9)
- Long Chord = $C = 2 R \sin \frac{\Delta}{2}$ (10) Δ = Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I. = Sta. 161 + 60.35 to find Sta. of P. C. and P. T. $\Delta = 62^\circ 10'$ $D = 8^\circ 20'$. From Table IV for 1° curve $T = 3454.1$ and $\div 8\frac{1}{3} = 414.49$ ft. From Table V correction = .36 or $T = 414.85$ ft. P. C. = Sta. P. I. - $T = 157 + 45.50$. Also from (4) $L = 746.00$ and P. T. = Sta. P. C. + $L = 164 + 91.50$.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft. = 7.27 ft. Distance = $158 - \text{Sta. P. C.} = 54.50$, hence offset = $7.27 (54.50 \div 100)^2 = 2.16$ ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2 \div (2 \times 688.26) = 2.16$ ft.

Deflections.—Deflection angle = $\frac{1}{2} D$ for 100 ft., $\frac{1}{4} D$ for 50 ft., etc. For c ft. = (in minutes) $.3 \times C \times D^\circ$ or = defl. for 1 ft. from Table III $\times C$. For Sta. 158 of above curve = $.3 \times 54.5 \times 8\frac{1}{3} = 136.2'$ or $2^\circ 16.2'$, or = $2.50 \times 54.5 = 136.2'$ from Table III. For Sta. 159 deflection angle = $2^\circ 16.2' + 8^\circ 20' \div 2 = 6^\circ 26.2'$, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37 For from Table IV for 1° curve $E = 960.6$ for $8^\circ 20' = 960.6 \div 8\frac{1}{3} = 115.27$ and from Table V correction = .10 or $E = 115.37$ Or suppose $\Delta = 32^\circ$ and E is measured and found to be 42 ft. What is D ? From Table IV $E = 230.9$ and $\div 42 = 5.5$ or $D = 5^\circ 30'$.

108	226.55		32547	5th Grove
0.59	214.67	12.47	214.08	20889
2.75	204.52	1300	201.67	
		11.42	193.30	TP
12.42	216.34	0.60	203.92	
12.98	229.01	0.31	216.03	
1.12	229.94	0.19	228.82	
		0.78	229.16	MOH
31.01		27.35		
27.35				
369				
229.16				

186	
18	1206
07	1364
136	1281
347	0.43
	39.36
	247
	35.89
	193.27

Howard

150 168
 175
 190
 205
 220
 235
 250
 275
 290
 305
 320
 335
 350
 365
 380
 395
 410
 425
 440
 455
 470
 485
 500

Gto NW Spk 319.92
 Ala 20' N. of NE Spk 294.65
 Miss NE 320.15
 La SW Spk fence 330.97
 Tex SE pigt 318.04
 Arizona SE pig 321.54 321.51
 Idaho " 373.01
 Neb. SW. Spk pole 367.70
 Ohio SE pigt. 364.47
 Ill. SE 361.01
 Fla. SE Spk 290.27

199

DISTANCES FROM CENTER OF ROADWAY FOR
CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1 1/2.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	25.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9 + (20 - 16) ÷ 2 or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.