Ohio St.
30th St.
Boundary St.
Illinois St.

186

400

LEVEL

F.B. 188

Table showing the [illegible]e of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 1/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
o		o		o		o	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

1 Chir St

H.I.

North Line El Cajon

B.M.	3.39	373.03		369.64
T.P.	5.53	371.38	7.18	365.85
			6.25	365.13

371.38

North Line El Cajon

50'	North	N. Line		
100'				
150'				
200'				
250'				
300				
350				
T.P.	8.57	376.58	3.35	368.01
400				
450				
500				
550				

05/8/7 { McEwen Sawyer Wetmore

W.	Cr.	E.

Spike in pole S.W. Cor. Kansas & El Cajon

6.2	6.5	4.7
6.6	6.0	4.4
6.1	3.4	3.1
5.6	5.1	4.3
5.1	2.9	4.2
2.6	3.8	0.7
4.1	2.5	2.2
8.6	0.6	2.3
8.21	6.0	6.6
5.3	5.3	6.3
5.6	5.8	5.3
6.3	5.1	3.7

Ohio St.

		H.I.		
600		376.58		
640	Center	Meade		
680	N. Line	"		
50'	N of N Line of	Meade	St.	
T.P.	9.09	383.7	1.96	374.62
100'	N.			
150'				
200'				
250'				
300				
T.P.	7.48	389.08	2.11	381.60
350				
400				
450				
500				
550				

W.	Cr.	E.
5.20	3.20	1.7
2.4	3.2	3.5
1.7	1.3	2.6
3.8 4.71	(3.4 4.71).	
9.2	7.6	0.4
7.45	7.2	4.9
7.6	6.9	5.9
7.5	6.1	5.4
5.9	2.8	3.8
5.5	4.5	3.2
7.1	7.3	6.8
8.3	7.4	5.1
6.5	5.1	6.5
6.0	6.2	4.4
6.6	5.4	5.6

Ohio St

H.I.

389.08

600	S Line of Monroe			
40	N. of S. Line of "			
80	N. " " " " = N Line of Monroe			
50'	N. of N. Line of Monroe St			
~~100'~~				
~~T.P.~~			~~3.78~~	~~386.7~~
T.P.	6.57	391.87	3.78	385.30
100'	N. of N. Line of Monroe St.			
150'				
200				
250				
300				
350				
400				
450				
500				

W.	Cr.	E.
5.2	4.7	3.8
5.7	4.7	5.0
5.6	4.7	3.9
4.5	2.8	4.0
~~4.~~		
7.2	5.8	5.8
5.9	5.5	6.5
6.4	6.1	5.9
6.3	5.8	5.7
5.6	5.7	5.5
5.1	5.4	4.0
4.5	4.9	4.5
4.7	4.4	2.8
3.2	3.8	3.9

Ohio St.
H.I.
391.87

550
600 South line of Madison
650 Center of "
700 N. Line of "
B.M. 3.66 388.27

W.	Cr	E.
3.6	3.4	3.0
3.15	3.0	3.3
3.45	3.10	3.10
2.60	2.60	3.05

Stone 250' S.E. of Fence Cr.

	B.S.	H.I.	T.S.	El.
Ref.	30th St			
	North Line of El Cajon			
B.M.	3.76	373.40		369.64
	5.99	370.11	9.28	364.12
N.	Line of El Cajon			
~~50~~				
~~+50~~	N 79	Line of El Cajon		
100				
150				
200				
250				
300				
350				
T.P.	8.22	372.98	5.35	364.76
400				
450				
500				

8/10/05 { McEwen, Sawyer, Wetmore } 5.99 6.01

W.	Cr.	E.	
Spike in pole, S.W. Cor. Kansas + El Cajon			
6.0	6.1	5.3	
~~5.9~~	~~7.2~~	~~5.9~~	
5.9	4.2	6.0	
6.1	5.8	5.9	
5.9	5.6	5.2	150
5.8	5.4	5.4	
5.5	5.4	5.5	
5.6	5.3	5.4	
5.3	5.4	5.3	
8.4	8.4	6.2	
7.9	6.6	6.1	
6.6	7.9	5.9	

30th St

372.98

5.50

S line of Meade

℄ " " "

n " " "

50 n of N line of Meade

100

150

200

T.P. 7.95 378.31 2.62 370.36

250

300

350

400

450

500

TP 8.71 385.30 1.72 376.59

550

	W.	Cr.	E.
	7.4	7.1	5.3
	8.0	5.7	6.6
	6.9	6.0	5.6
	6.3	5.6	3.1
	5.3	3.1	3.2
	4.5	2.1	3.0
	2.8	3.3	2.4
		(378.31)	(378.31)
	0.7	4.6	7.9
	7.5	5.1	5.6
	7.5	7.1	5.6
	6.2	4.5	4.8
	5.8	4.0	4.1
	3.0	2.5	3.1
	3.3	3.7	0.6
	3.3	1.9	0.3
	9.4	8.7	5.9
	8.5	8.5	6.8

30th St

385.3 1.65 383.65

0.0 S line of Monroe

C of Monroe

N line of Monroe

50 N. of N. line

100

150

200

250

300

350

T.P. 5.39 389.04

400

450

500

550

S line of Madison

W	Cr.	E.
6.8	8.28	7.8
7.0	7.0	4.6
7.6	7.4	4.7
5.9	6.6	4.5
5.9	4.9	3.9
6.0	3.6	5.0
5.6	4.0	4.6
5.4	4.6	3.3
2.4	3.9	2.2
4.4	3.5	3.1
7.7	7.2	5.9
7.2	7.1	5.1
5.4	5.4	5.6
4.7	5.3	3.6
4.6	5.2	4.4

36th St

~~@~~

~~C T Madison~~

~~N Lane T Madison~~

W	Cr	E
~~5.0~~	~~4.5~~	4.2
5.1	4.6	2.9

8/14/15 { Davis √ Brooks Haslam } Ohio		St.		—	—	El Cajon		to	University		
	1.39	368.71			367.32	W		Ctr		E	
So. line El Cajon						5.0	363.7	4.9	363.8	4.2	364.5
38' So " "						—		2.5	366.2	—	
50' So " "						4.5	364.2	4.0	364.7	5.0	363.7
60' " " "								5.2	363 5		
75 "						5.5	363.7	4.1	364.6		
100 "						5.3	363.4	5.4	363.3	5.5	363.2
125 "										5.6	363.1
150 "						5.4	363.3	5.9	362.8	4.2	364.5
160 "										5.9	362.8
200 "						5.6	363.1	6.0	362.7	5.9	362.8
250 "						5.9	362 8	5.7	363.0	5.8	362.9
T.P.	7.81	370.70	5.82		362.89						
300' "						7.3	363.4	8.2	362.5	7.9	362.8
338 = N.L. Howard						7.5	363.2	7.1	363.6	8.1	362.6
32' S. of N.L.						7.2	363.5				
Ctr Line "						6.4	364.3	7.4	363.3	8.3	362.4
53' S. " "						5.0	365.7				
So. Line "						5.2	365.5	6.2	364.5	7.5	363.2

Ohio St

		370.70			
				5.24	365.46
30'	5o of	Howard			
50'	50 of	Howard			
100'	"	"			
150'	"	"			
185'	"				
200'	"				
220'	"				
250'	"				
265'	"				
T.P.	2.86	372.86	0.70		370.00
300'	"				
350'	"				
373'	"				
394'	"				
400'	"				
418'	"				

W		Ctr		E	
B.M. Pig S.W Cor Ohio & Howard					
		6.0	364.7		
3.8	366.9	4.6	366.1	6.7	364.0
3.2	367.5	4.1	366.6	5.1	365.6
2.6	368.1	3.6	367.1	4.2	366.5
2.5	368.2				
1.4	369.3	3.2	367.5	3.4	367.3
2.3	368.4				
2.9	367.8	2.6	368.1	3.0	367.7
		0.9	169.8		
4.4	367.5	4.5	368.4	4.5	368.4
5.1	367.8	4.9	368.0	4.3	368.6
4.8	368.1				
3.4	369.5				
4.2	368.7	4.8	368.1	4.5	368.4
5.7	367.2				

Ohio St

372.86

450	So Howard.			
480	"	"		
500	"	"		
520	"	"		
550	"			
575	"			
600	N.L. Polk.			
	5.93	371.08	7.71	365.15
Ctr	Line	Polk.		
55	So of N.L.	"		
So.	Line	Polk.		
10	So	"		
25	"	"		
30	"			
41	"			
50	"			
41	"			

W		Ctr		E	
5.1	367.8	5.2	367.7	4.5	368.4
—		5.0	367.9	—	
6.7	366.2	6.0	366.9	5.3	367.6
		5.5	367.4		
7.6	365.3	6.9	366.0	5.7	367.2
6.8	366.1				
7.7	365.2	7.5	365.4	6.4	366.5
B.M. Pkg N.W Cor Ohio & Polk					
6.9	364.2	6.3	364.8	4.3	366.8
				3.4	367.7
6.3	364.8	6.3	364.8	5.2	365.9
				5.1	366.0
5.3	365.8				
5.8	365.3				
4.7	365.4				
5.4	365.7	6.4	364.7	6.2	364.9
6.5	364.6				

Ohio 5+

371.08

80	5o PoNK			
100	5o PoNK			
117	"			
125	"			
135	"			
150	"			
160	"			
165	"			
200	"			
225	"			
230				
250	"			
260	"			
266	"			
300	"			
320	"			
337	"			
333	"			
T.P.	4.74	369.11	6.71	364.37
338	"			
350	"			
355	"			

W		C+S		E	
		5.2	365.9	—	
6.5	364.6	6.5	364.6	6.2	364.9
—		—		4.1	367.0
4.8	366.3	—		—	
		—		6.6	364.5
6.4	364.7	6.5	364.6	6.5	364.6
5.9	365.2				
				5.7	365.4
6.7	364.4	6.4	364.7	6.7	364.4
				5.5	365.6
—		6.2	364.9	—	
6.8	364.3	5.1	366.0	6.5	364.6
—		—		5.4	365.7
5.4	365.7	7.0	364.1	—	
6.7	364.4	5.8	365.3	7.1	364.0
		7.1	364.0	6.7	365.4
				7.1	364.0
7.2	363.9				
6					
—		5.2	363.9	—	
4.3	364.8	4.4	365.7	4.4	364.7
4.0	3651				

Ohio 5A

369.11

360' So Polk
381 So Polk
400 " "
410 " "
431 " "
450 "
470 "
485 "
500 "
550 "
575 "
No. line Lincoln
15' So of N.L.
Ctr Line
50' So of N.L.
60' " " "
So. Line Lincoln
20' So "

W		Ctr		E	
		5.3	363.8		
5.3	363.8				
4.5	364.6	5.1	364.0	5.3	363.8
3.7	365.4				
5.4	363.7				
5.5	363.6	5.5	363.6	5.6	363.5
		5.6	363.5	4.0	365.1
		4.7	364.4		
5.6	363.5	5.9	363.2	6.0	363.1
6.3	362.8	6.1	363.0	6.2	363.9
				4.4	364.7
6.6	362.5	5.2	363.9	6.3	362.8
				4.5	364.6
6.4	362.7	6.3	362.8	6.1	363.0
—		—		7.1	362.0
7.1	362.0	6.9 5.4	362.2 363.7	4.3	364.8
		7.3	361.8		

Ohio St

369.11

T.P	4.31	366.29	7.13	361.98
28	5. Lincoln			
40	"			
50	"			
65	"			
69	"			
90	"			
100	"			
110	"			
126	"			
135	"			
150	"			
187	"			
200	"			
225	"			
250	"			
285	"			

W		Ctr		E	
B.M. Pig	S.W Cor	Ohio &	Lincoln		
4.6	361.7			4.5	361.8
3.5	362.8				
4.3	362.0	4.4	361.9	2.8	363.5
		2.9	363.4		
				4.8	361.5
				3.5	362.8
4.7	361.6	5.0	361.3	4.5	361.8
				5.2	361.1
				3.9	362.4
		3.8	362.5		
5.4	360.9	4.7	361.6	5.5	360.8
5.9	360.4	4.3	362.0		
6.9	359.4	5.7	360.6	5.5	360.8
		5.4	360.7		
7.7	358.6	6.6	359.7	6.6	359.7
		5.4	360.9		

Ohio 5+

3662.9

300' S. Lincoln

T.P	3.23	362.44	7.08	359.21
327'				
350 "				
375 "				
400 "				
415 "				
450 "				
473 "				
500 "				
532 "				
550 "				
568 "				
580 "				
600 - No Line Univ.				

W		Ctr		E	
7.8	358.5	7.7	358.6	7.4	358.9
3.6	359.8				
5.4	357.0	4.3	358.1	4.5	357.9
		5.1	357.3	3.4	358.0
5.1	357.3	5.5	356.9	5.0	357.4
6.5	355.9				
6.9	355.5	6.4	356.0	5.5	356.9
5.2	357.2	5.0	357.4		
7.4	355.0	7.0	355.4	5.9	356.5
				5.3	357.1
7.3	355.1	7.0	355.4	6.4	356.0
				5.8	356.6
				6.8	355.6
7.1	355.3	6.7	355.7	6.9	355.5

8/25/05 McLorraine & Lombard

(Stations 50')

University Ave.

Begin Intersection 9th & U. Ave

West side S. Rail

	+	Hi	−	E
B.M.	2.196			290.707
Tp.(a)	1.36	292.903	7.270	285.633
0		286.99	3.92	283.07
0	3.32			283.07
1		286.39	3.50	282.89
2			3.53	282.86
3			3.60	282.79
4			3.88	282.51
5			4.50	281.89
6 Hi			4.21	282.18
7			4.19	282.20
8			3.61	282.78
9			3.03	283.36
10			2.39	284.30
11			1.60	284.79
12 Tp.	7.59		0.80	283.59
		293.18		

290.707

University Ave

18

Vermont N E cor old Elec. Pole.

See description of Benchmarks at close of book.

University Ave

13		293.18	6.76	286.42
14		"	6.20	286.98
15		"	5.34	287.84
16 Br. 4.00		"	4.66	288.52
17		"	3.86	289.32
18		"	3.19	289.99
19		"	2.59	290.59
20	3.10	"	2.05	291.13
		294.23	3.45	290.78
BM	4.61			290.71
21	7.46	295.32	3.72	291.60
22		299.06	6.94	293.12
23			6.38	292.68
24			5.82	293.24
25			5.80	293.76
26			4.94	294.32
27			4.14	294.92
28			3.54	295.52

Vermont N.E. Spring Alley No. 2

Jp 29	6.47	299.06	2.98	296.08
30		302.55	6.00	296.55
31			5.46	297.09
32			4.90	297.65
33			4.56	297.99
34			4.01	298.54
35			3.52	299.03
36			3.02	299.53
37 Jp	6.57		2.56	299.99
38		306.56	6.10	300.46
39			5.55	301.01
40			4.82	301.74
41			4.22	302.34
B.M	6.75		4.55	~~302.17~~ 301.96 = .05-
42		308.71	5.64	303.07
43			5.14	303.57
44			4.75	303.96
45 +			4.30	304.41

University Ave.

43 End curve

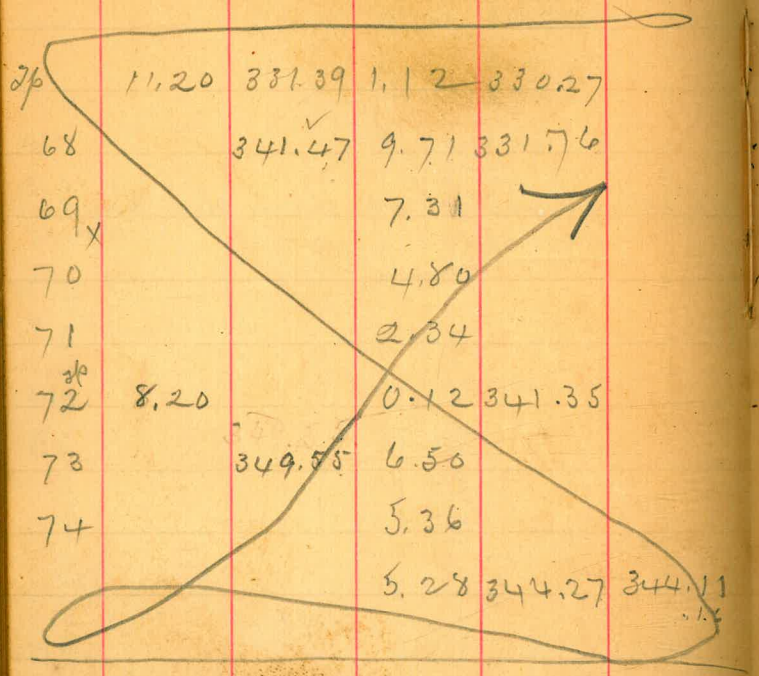
Begin Curve

{ University Ave & University Boulevard N.W. Spk in Elec. Pole 301.96

University Ave.

46		308.71	8.69	305.02		Linewen 0.255
47			3.14	305.57		
48			2.67	302.04		
49			2.22	306.49		
50			1.68	307.03		
B.M.	6.71		1.72	~~306.99~~ 306.97		Blaine Ave. NE. Spk on Phone Pole, 306.97
51		313.68	6.17	307.51		
52			5.69			
53			5.20			
54			4.80			
55			4.35			
56			3.83			
57			3.30			
58 SP.	8.73		2.65	311.03		
59		319.76	7.63			
BM			7.25	312.51	312.55	Lincoln St.
60			6.16	313.60		
61			4.62			
62			2.65			
63	11.91		0.28	319.48		
64		331.39	9.54			
65			7.09			
66			4.60			
67			2.16			

Universities Ave.



2p	11.20	331.39	1.12	330.27
68		341.47	9.71	331.76
69			7.31	
70			4.80	
71			2.34	
72 3p	8.20		0.12	341.35
73		349.55	6.50	
74			5.36	
			5.28	344.27 344.11

16

B.M.	8.44			312.55
60		320.99	7.35	313.64
61			5.80	315.19
62			3.80	317.19
63			1.49	319.50
3p	10.06	330.86	0.19	320.80

Lincoln B.M.

64		330.86	8.84	322.02	
65		"	6.45	324.41	
66		"	3.97	326.89	
67	5.51	"	1.51	329.35	
68		334.86	3.01	331.85	
69 BP	5.63		0.62	334.24	
70		339.87	3.15	336.72	
71 BP	5.72	"	0.68	339.19	
72		344.91	3.53	341.38	
73	6.85	"	2.49	342.42	
		349.27	5.13	344.14	344.11
74			5.21	344.06	

8/26/05 McLaran N. Lambert.

B.M.	5.13			344.11	
75		349.24	4.54	344.70	At 75+15 N. line of Tompkins St
76	"		4.39	345.85	

344.87 Van Buren
340.07 El Cajon

77		349.24	4.42	344.82
78			4.55	344.69
79			4.58	344.66
80			4.64	344.60
81			4.70	344.54
82	4.49		4.79	344.45
83		348.94	4.53	344.41
84			4.62	344.32
85			4.72	344.22
86			4.80	344.14
87			4.82	344.12
88			4.74	344.20
89			4.85	344.09
90	4.15		4.87	344.07
91		348.22	4.15	344.07
92			4.20	344.02

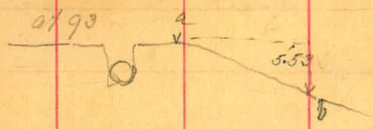
92+19.8 ℄ Line of El Cajon Rd

95+80 Curve left.

99 E.C. end curve

107+37 on ℄ Jackson

93		348.22	4.27	343.95	
a			4.54	343.68	5.53
b			10.07	338.15	
94			4.60	343.62	
95			4.98	343.24	
96			5.51	342.71	
97			6.24	341.98	
98			6.75	341.47	
B.M			8.13	340.09	340.08
98sp	4.32		6.73	341.49	
99		345.81	4.77	341.04	
100			4.72	341.09	
101			4.60	341.21	
102			4.55	341.26	
103 X			4.56	341.25	
104			4.37	341.44	
105			4.27	341.54	



N.E. Spk in Tel Pole 340.08 El Cajon Ave.

106		345.81	4.53	341.68
107 Jp	4.78		3.96	341.85
108		346.63	4.60	342.03
109			4.37	342.26
BM	4.48		3.80	~~342.83~~ 342.86
110		347.34	4.89	342.45
111			4.70	342.64
112			4.47	342.87
113 X			4.28	343.06
114			4.04	343.30
115			3.80	343.54
116			3.54	343.80
117 Jp	4.97		3.44	343.90
118		348.87	4.82	344.05
119			4.62	344.25
120			4.45	344.42
121			4.23	344.64

Monroe B.M. – 345.06 BM
Madison – 350.70 "
Pole E. of Mill – 356.41 "

122+27 N line Monroe
136+20 N " Madison
S149+36.8 End of track

Jackson B.M. N. SPK in Old Elec Pole

B.M		348.87	3.82	345.05	345.06
122			4.04		
123			3.74		
124			3.61		
125	6.24		3.48	345.39	
126		351.63	6.00		
127			5.73		
128			5.40		
129			4.73		
130			4.14		
131	6.74		3.40	348.23	
132		354.99	6.01		
133			5.79		
134			4.63		
135			3.84		
B.M			4.23	350.76	350.77

B.M Ямпуо

136		354.99	3.34	351.65
137			2.74	352.25
138			2.16	352.83
139 SP	5.06		1.72	353.27
140		358.33	4.74	353.59
141			4.43	353.90
142 X			4.11	354.22
143			3.76	354.57
144			3.48	354.85
145 SP	4.70		3.20	355.13
146		359.88	4.46	355.42
147			4.09	355.79
148			3.62	356.26
149			3.50	356.38
End of track. 149+36.8			3.21	356.67
B.M.			3.50	356.38

356.41

Aug. 20. 1905.
Finish field work at 2:15 p.m.
Pavilion - Spk in pole of end of Trolley line
356.41

OHIO ST.

Adams – El Cajon

COVERT WETMORE - MOORE. DEC. 4-05

B.M.	4.10	394.75	390.65
O = S.L. OHIO ST.			
50 - S.			
100 - S			
150 - S			
194 - S			
200 - S			
210 - S			
220 - S			
250 - S			
270 - S			
280 - S			
300 - S			
320 - S			
350 - S			
390 - S			
400 - S			

W.L.		C.L.		E.L	
HUB AT S.E. COR. ADAMS & OHIO.					
4.0	390.8	4.0	390.8	4.1	390.7
4.0	390.8	3.9	390.9	3.9	390.9
4.0	390.8	3.9	390.9	3.9	390.9
4.4	390.4	4.2	390.6	4.1	390.7
4.4	390.4				
3.6	391.2	4.5	390.3	4.3	390.5
3.4	391.4				
4.8	390.0				
4.6	390.2	4.6	390.2	4.3	390.5
4.6	390.2				
3.4	391.4				
4.4	390.4	4.7	390.1	4.6	390.2
3.8	391.0				
5.1	389.7	5.0	389.8	4.9	389.9
5.2	389.6				
4.1	390.7	5.3	389.5	5.1	389.7

OHIO ST.

394.75

440-S						
420-S						
450-S						
460-S						
500-S						
515-S						
530-S						
550-S						
600-S = N. L MADISON						
T. P.	1.87	391.10	5.52	389.23		
610-S						
630-S						
640-S = C. L. MADISON						
680-S = 0 = S. L. "						
25-S						
35-S						
50-S						

W. L		C. L		E. L	
		5.2	388.6	5.2	388.6
5.5	388.3				
5.5	388.3	4.4	389.4	4.4	389.4
		5.5	388.3	5.0	388.8
5.5	388.3	5.4	388.4	5.6	388.2
5.5	388.3				
4.5	389.3				
5.9	387.9	5.8	388.0	5.8	388.0
5.6	388.2	5.4	388.4	5.9	387.9
HUB AT N.W. COR. MADISON & OHIO					
		0.8	390.3		
		2.9	388.2		
1.9	389.2	1.9	389.2	1.8	389.3
2.6	388.5	2.3	388.8	2.6	388.5
2.1	389.0			2.3	388.8
				1.6	389.5
2.9	388.2	2.7	388.4	2.8	388.3

OHIO ST.

391.10

	W. L.		C. L.		E. L	
80-S	2.9	388.2				
90-S	1.9	389.2				
100-S	2.4	388.7	3.1	388.0	3.1	388.0
135-S					3.1	388.0
110-S	3.4	387.7				
150-S	3.9	387.2	3.3	387.8	1.8	389.3
165-S					3.0	388.1
200-S	3.8	387.3	4.1	387.0	4.0	387.1
240-S	3.7	387.4			4.2	386.9
210-S	4.0	387.1				
220-S	5.0	386.1				
250-S	4.3	386.8	4.5	386.6	3.4	387.7
255-S	5.1	386.0				
265-S			3.2	387.9	4.4	386.7
300-S	4.9	386.2	5.1	386.0	4.7	386.4
350-S	5.5	385.6	5.2	385.9	5.0	386.1
385-S	4.1	387.0				

		OHIO ST.			W.L.		C.L		E.L	
		391.10								
400-S					5.6	385.5	5.3	385.8	5.2	385.9
425-S					4.9	386.2				
445-S							5.3	385.8		
450-S					5.8	385.3	4.5	386.6	5.3	385.8
460-S							4.1	387.0		
475-S							5.0	386.1		
500-S					6.4	384.7	5.1	386.0	5.9	385.2
510-S							4.8	386.3		
520-S							6.0	385.1		
530-S					4.8	386.3				
540-S							5.5	385.6		
550-S					6.5	384.6	4.7	386.4	5.8	385.3
575-S							5.3	385.8	5.6	385.5
585-S									4.7	386.4
600-S	= M. L. MONROE								6.0	385.1
620-S					7.1	384.0	6.8	384.3	5.2	385.9
T.P.	2.62	386.66	7.06	384.04	HUB AT N.W. COR. MONROE & OHIO					

OHIO ST.

386.66

		W. L		C. L.		E. L	
640-S.	= C. L. MONROE.	3.2	383.5	2.9	383.8	2.4	384.3
650-S				2.9	383.8		
670-S						2.5	384.2
680-S	= 0 = S. L. MONROE.	3.0	383.7	2.4	384.3	1.4	385.3
10-S				0.9	385.8	0.8	385.9
35-S						2.8	383.9
40-S				3.8	381.9		
50-S		4.3	382.4	4.0	382.7	3.2	383.5
75-S		4.2	382.5				
85-S						3.3	383.4
90-S		2.8	383.9				
100-S		3.7	383.0	4.2	382.5	1.6	385.1
125-S						3.5	383.2
110-S		4.9	381.8				
125-S		3.2	383.5				
145-S		4.8	381.9				
150-S		4.1	382.6	3.1	383.6	4.1	382.6
165-S		3.5	383.2	2.5	384.2		
190-S		5.7	380.8				
185-S				5.1	381.6		

OHIO ST.

386.66

	W. L		C. L		E. L	
200-S	5.9	380.8	5.0	381.7	3.1	383.6
225-S					5.6	381.1
235-S			3.9	382.8	6.4	380.3
250-S	4.8	381.9	5.4	381.3	4.4	382.3
275-S	7.7	379.0				
260-S			6.8	379.9		
270-S					5.8	380.9
300-S	8.5	378.2	7.4	379.3	6.3	380.4
325-S			7.8	378.9		
330-S					5.5	381.2
340-S					7.0	379.7
350-S	8.9	377.8	6.2	380.5	6.8	379.9
365-S	7.4	379.3			8.0	378.7
375-S			7.8	378.9		
400-S	10.5	376.2	9.5	377.2	8.5	378.2
450-S	10.6	376.1	10.0	376.7	9.0	377.7
485-S	11.6	375.1				
475-S					9.1	377.6

		OHIO ST.			W.L		C.L		E.L	
		386.66								
490-S									7.9	378.8
500-S					10.4	376.3	11.0	375.7	8.7	378.0
515-S									10.3	376.4
510-S					9.6	377.1				
530-S					12.1	374.6				
550-S					12.2	374.5	10.1	376.6	10.7	376.0
565-S					10.7	376.0			9.5	377.2
585-S					13.0	373.7				
570-S							12.5	374.2		
585-S							10.4	376.3		
600-S	= N.L. JACKSON.				11.9	374.8	11.3	375.4	12.7	374.0
610-S							12.8	373.9		
T.P.	0.93	375.71	11.88	374.78	HUB AT N.W. COR. JACKSON & OHIO					
620-S					3.2	372.5				
640-S	= C.L. JACKSON				1.5	374.7	2.7	373.0	2.7	373.0
650-S					3.7		3.4	373.3		
665-S					3.9	371.8	3.4		0.0	375.7

OHIO ST

375.71

680 =	0 =	S. L. JACKSON	W. L.		C. L.		E. L.	
25-S			4.4	371.3	2.4	373.3	0.9	374.8
15-S							3.3	372.4
50-S					3.3	372.4		
90-S			5.4	370.3	4.5	371.2	2.4	373.3
60-S			4.0	371.7				
75-S							2.2	373.5
100-S							4.4	371.3
115-S			5.5	370.2	5.3	370.4	4.8	370.9
135-S			6.3	369.4				
150-S			3.5	372.2	6.0	369.7		
170-S			4.8	370.9	4.2	371.5	5.5	370.2
160-S			7.5	368.2				
175-S					3.6	372.1		
185-S					5.2	370.5	5.0	370.7
200-S					4.2	371.5		
225-S			7.0	368.7	5.1	370.6	6.0	369.7
					7.3	368.4		

OHIO ST.

375.71

	W.L		C.L		E.L	
250-S	7.8	367.9	5.6	370.1	6.6	369.1
275-S			7.2	368.5		
260-S					6.6	369.1
275-S					4.9	370.8
300-S	8.6	367.1	6.9	368.8	6.7	369.0
310-S			7.7	368.0	7.6	368.1
330-S					7.5	368.2
325-S	7.3	368.4	7.0	368.7		
340-S	8.4	367.3				
350-S	6.9	368.8	8.1	367.6	5.0	370.7
360-S	6.1	369.6				
385-S	9.3	366.4				
370-S			6.7	369.0		
390-S			8.4	367.3		
375-S					8.4	367.3
400-S	9.4	366.3	7.1	368.5	8.7	367.0
440-S					7.3	368.4

OHIO ST

375.71

430.-S										
425-S										
450-S					W. L.		C. L.		E. L.	
475-S							9.3	366.4		
460-S					7.2	368.5				
480-S					9.9	365.8	9.5	366.2	8.6	367.1
500-S							8.2	367.5		
520-S									9.6	366.1
540-S									6.3	369.4
550-S					10.3	365.4	9.8	365.9	7.7	368.0
560-S							7.5	368.2	10.2	365.5
580-S							10.6	365.1		
600-S = N. L. EL CAJON					11.0	364.7	10.4	365.3	9.6	366.1
B.M.			10.63	365.08					8.4	367.3
									10.3	365.4
	6.47	371.17	11.01	364.70	10.60	365.1	10.8	364.9	9.0	366.7
B.M.			3.70	367.27	HUB AT N.W. COR. EL. CAJON & OHIO					

366.13
365.08
1.05

367.32
367.27
.05

SPIKE IN PHONE POLE S.W. COR. 30TH & EL. CAJON

30TH ST.
EL CAJON - ADAMS
(COVERT WETMORE MOORE) DEC. 4, 05.

371.17

	W.L.		C.L.		E.L.	
0 = N.L. EL CAJON	7.0	364.2	7.1	364.1	6.4	364.8
25-N			6.7	364.5		
40-N			5.5	365.7		
50-N	7.0	364.2	6.2	365.0	7.1	364.1
100-N	6.9	364.3	6.8	364.4	7.0	364.2
125-N					5.1	366.1
150-N	6.9	364.3	7.0	364.2	6.3	364.9
200-N	6.9	364.3	6.5	364.7	6.5	364.7
250-N	6.5	364.7	6.5	364.7	6.6	364.6
300-N	6.7	364.5	6.4	364.8	6.6	364.6
350-N	6.3	364.9	6.4	364.8	6.6	364.6
390-N					4.3	366.9
400-N	6.6	364.6	6.6	364.6	5.0	366.2
410-N					6.5	364.7
430-N			6.1	365.1	4.0	367.2
450-N	6.1	365.1	4.7	366.5	6.0	365.2

30TH ST.

371.17

	W.L		C.L		E.L	
475-N					6.5	364.7
470-N			6.4	364.8		
490-N	6.2	365.0	4.9	366.3		
500-N	5.0	366.2	6.1	365.1	4.0	367.2
510-N	4.9	366.3				
520-N	6.5	364.7	6.4	364.8		
530-N			5.2	366.0		
515-N					3.8	367.4
530-N					5.4	365.8
550-N	5.6	365.6	5.3	365.9	3.4	367.8
575-N			5.5	365.7	5.2	366.0
600-N = S.L. JACKSON	6.2	365.0	4.0	367.2	4.7	366.5
620-N	4.5	366.7	2.8	368.4		
640-N = C.L "	5.1	366.1	4.1	367.1	3.8	367.4
660-N					2.7	368.5
HUB AT N.W. JACKSON & 30TH	4.44	366.73				
680 N = 0 = N.L. JACKSON	4.5	366.7	3.8	367.4	1.3	369.9

30TH ST.

371.17

				W.L		C.L		E.L	
25-N				2.0	369.2				
40-N						3.1	368.1		
10-N								2.3	368.9
50-N.				3.4	367.8	1.3	369.9	1.9	369.3
70-N						2.4	368.8	0.0	371.2
90-N								2.0	369.2
100-N				2.6	368.6	0.2	371.0	0.5	370.7
125-N				0.8	370.4			0.5	
110-N						1.4	369.8	0.5	
150-N				1.0	370.2	1.4	369.8	0.6	370.6
	11.21	381.80	0.58	370.59					
175-N				12.0	369.8				
200-N				9.4	372.4	11.3	370.5	10.3	371.5
225-N				11.3	370.5				
250-N				11.0	370.8	10.6	371.2	9.2	372.6
270-N						9.5	372.3		
300-N				9.7	372.1	7.7	373.9	8.3	373.5

		30TH ST		W.L		C.L		E.L	
		381.80							
320-N						6.9	374.9		
340-N						8.7	373.1		
310-N								8.4	373.4
340-N								6.5	375.3
350-N				9.3	372.5	7.7	374.1	7.5	374.3
380-N				8.6	373.2	7.0	374.8		
390-N						7.7	374.1		
400-N				6.5	375.3	6.3	375.5	6.6	375.2
425-N				7.9	373.9			6.6	375.2
450-N				6.8	375.0	7.1	374.7	4.2	377.6
470-N				7.8	374.0			5.8	376.0
390-N								3.5	378.3
500-N				6.8	375.0	5.3	376.5	4.0	377.8
510-N						5.9	375.9		
530-N						4.4	377.4		
525-N								5.3	376.5
550-N				6.0	375.8	5.0	376.8	2.4	379.4

30TH ST.

381.80

				W.L		C.L		E.L	
575-N.						2.9	378.9	4.2	377.6
570-N				4.2	377.6				
90-N				4.6	377.2				
600-N = S.L. MONROE.				3.3	378.5	4.7	377.1	4.4	377.4
610-N				2.6	379.2			3.9	377.9
640-N = C L. "				4.1	377.7	3.6	378.2	1.2	380.6
360-N								3.1	378.7
380-N. = O = N.L. "				4.1	377.7	3.8	378.0	1.2	380.6
B.M. HUB. N.W. COR. {MONROE / 30TH	4.06	377.74							
30-N				3.8	378.0				
40-N								2.5	379.3
50-N				2.4	379.4	3.1	378.7	1.1	380.7
75-N						1.0	380.8	1.9	379.9
90-N								0.1	381.7
	7.98	387.75	2.03	379.77					
100-N				8.4	379.3	7.4	380.3	6.4	381.3
110-N				7.8	379.9				

30TH ST.

387.75

	W.L		C.L		E.L	
120-N.			8.5	379,2		
150-N	8.4	379,3	6.1	381,6	7.4	380,3
160-N					7.0	380,7
175-N	6.6	381,1	7.7	380,0	5.9	381,8
185-N					7.1	380,6
200-N.	8.0	379,7	6.6	381,1	7.0	380,7
225-N	5.7	382,0	7.7	380,0		
250-N	7.7	380,0	7.0	380,7	5.8	381,9
260-N					5.2	382,5
290-N					4.2	383,5
275-N			4.4	383,3		
280-N	7.3	380,4				
300-N.	4.9	382,8	6.4	381,3	4.7	383,0
310-N					5.7	382,0
350-N	7.1	380,6	5.5	382,2	5.5	382,2
400-N	6.5	381,2	5.8	381,9	4.5	383,2
430-N			3.9	383,8	5.2	382,5

30TH ST.

387.75

	W.L		C.L		E.L	
450-N	5.9	381,8	5.7	382,0	3.8	383,9
460-N					3.3	384,4
470-N	4.3	383,4				
490-N	5.4	382,3	5.5	382,2		
500-N	4.0	383,7	3.9	383,8	4.3	383,4
510-N	3.6	384,1				
525-N	5.0	382,7				
515-N			2.2	385,5		
540-N			4.4	383,3		
530-N					4.1	383,6
550-N	3.4	384,3	3.8	383,9	2.3	385,4
570-N	4.7	383,0	3.7	384,0	1.5	386,2
590-N	2.6	385,1			3.4	384,3
585-N			2.1	385,6		
600-N = S.L. MADISON	3.4	384,3	3.9	383,8	3.1	384,6
640-N = C L "	2.9	384,8	2.4	385,3	1.8	385,9
655-N	3.9	383,8				

30TH ST.

387.75

656

680 = 0 = N.L. MADISON.

T.P.	7.32	391.33	3.74	384.02
50-N				
100-N				
150-N				
200-N				
250-N				
300-N				
350-N				
400-N				
450-N				
500-N				
550-N				
600-N = S.L. ADAMS				
		0.67	390.66	390.66 / 390.55 / .01

W.L.		C.L		E.L	
2.8	384.9				
3.8	383.9	3.2	384.5	1.6	386.1
ON HUB N.W. COR. MADISON & 30TH					
6.2	385.1	5.5	385.8	4.9	386.4
6.2	385.1	5.4	385.9	4.5	386.8
5.6	385.7	5.0	386.3	4.2	387.1
5.3	386.0	4.6	386.7	4.2	387.1
5.3	386.0	4.7	386.6	4.0	387.3
5.0	386.3	4.6	386.7	4.2	387.1
4.9	386.4	4.4	386.9	3.9	387.4
4.8	386.5	4.5	386.8	3.9	387.4
4.4	386.9	4.0	387.3	3.6	387.7
3.7	387.6	3.5	387.8	3.0	388.3
3.2	388.1	2.9	388.4	2.3	389.0
2.3	389.0	2.0	389.3	1.9	389.4
HUB AT S.E COR. ADAMS & OHIO					

BOUNDARY ST.

ADAMS — UNIVERSITY. AVE

COVERT.
WETMORE.
MOORE.

12/5/05

			E. L			W. L	
	4.45	395.10	390.65	HUB	AT S.E. COR ADAMS & OHIO		
0 = S.W. COR. ADAMS & BOUNDARY.						4.4	390.7
+17.5 = S.E. " " & "				4.1	391.0		
+50				4.2	390.9	4.2	390.9
1				4.2	390.9	4.5	390.6
+50				4.6	390.5	4.5	390.6
2				4.6	390.5	4.9	390.2
+50				4.7	390.4	4.2	390.9
3				5.1	390.0	4.8	390.3
+30				4.8	390.3		
+40				3.7	391.4		
+50				4.1	391.0	5.0	390.1
+65				4.9	390.2	4.9	390.2
+80						3.6	391.5
4				4.0	391.1	5.0	390.1
+50				5.3	389.8	5.2	389.9
+80						4.4	390.7

	BOUNDARY ST.				E.L.		W.L	
		395.10						
5					5.7	389.4	5.6	389.5
+03	= INTERSECTION OF W.L. OF ILLINOIS						5.6	389.5
+50					5.8	389.3	5.7	389.4
6					5.1	390.0	5.8	389.3
+10							5.5	389.6
+24	= N.L. MADISON						4.4	390.7
	3.44	392.60	5.94	389.16				
+50					3.6	389.0	3.1	389.5
B.M.			2.57	390.03	△ WHITE STAKE AT S.W. COR. ILLINOIS & MADISON			
7					4.1	388.5	2.9	389.7
+07	= S.L. MADISON						2.9	389.7
+20							3.8	388.8
+50					3.7	388.9	3.9	388.7
+96	= E.L. ILLINOIS						4.2	388.4
8					3.9	388.7	4.2	388.4
+50					4.0	388.6	4.2	388.4
9					4.2	388.4	4.6	388.0

BOUNDARY ST.

					E.L		W.L	
		392.60						
+15							3.6	389.0
+50					4.5	388.1	4.7	387.9
10					4.6	388.0	5.1	387.5
+30							5.0	387.6
+40							3.4	389.2
+50					5.0	387.6	3.7	388.9
+65							5.5	387.1
11					5.5	387.1	5.8	386.8
+20							4.3	388.3
+50					5.7	386.9	6.6	386.0
+75							5.5	387.1
12					5.9	386.7	6.6	386.0
+40							5.7	386.9
	4.27	390.25	6.62	385.98				
+50					4.0	386.2	4.5	385.7
13					4.2	386.0	4.7	385.5
+295 = N. L. MONROE							4.7	385.5

BOUNDARY ST.

390.25

		E.L.		W.L.	
+50		4.6	385.6	4.1	386.1
+60				3.7	386.5
+75				4.8	385.4
14		4.6	385.6	4.8	385.4
+13	- S.L., MONROE			4.8	385.4
+40				4.9	385.3
+50		4.7	385.5	2.9	387.3
+75				4.8	385.4
15		4.3	385.9	3.7	386.5
+15				4.9	385.3
+50		4.3	385.9	4.9	385.3
16		5.0	385.2	5.0	385.2
+10				4.1	386.1
+30				5.4	384.8
+50		5.3	384.9	4.2	386.0
+75				5.6	384.6
17		5.3	384.9	5.8	384.4

BOUNDARY ST.

390.25

			E. L		W. L	
+40					5.8	384.4
+50			5.5	384.7	5.0	385.2
18			5.7	384.5	6.3	383.9
	3.66	387.35	6.56	383.69		
+50			2.6	384.7	3.0	384.3
+88	= W. L. IOWA				3.6	383.7
19			3.0	384.3	3.7	383.6
+25					3.0	384.3
+50			3.2	384.1	3.7	383.6
+75					2.4	384.9
20+0			3.4	383.9	3.8	383.5
+38.3	= N. L. JACKSON				4.1	383.2
+50			3.6	383.7	4.4	382.9
21			4.3	383.0	4.5	382.8
+15					4.5	382.8
+22	= S. L. JACKSON				3.4	383.9
+35					3.3	384.0

BOUNDARY ST.

				E. L.		W. L	
		387.35					
+50				4.2	383.1	4.9	382.4
+79	= E.L. IOWA.	5.01	382.34	ON.	HUB.	5.0	382.3
22				4.6	382.7	5.1	382.2
+50				4.9	382.4	5.7	381.6
23				5.3	382.0	5.4	381.9
+10						4.6	382.7
+35						6.0	381.3
+50				5.6	381.7	4.7	382.6
+75						6.1	381.2
+90						4.8	382.5
24				6.1	381.2	5.2	382.1
+50				6.1	381.2	6.7	380.6
	2.65	383.40	6.60	380.75			
+75						3.2	380.2
25				2.8	380.6	2.4	381.0
+10						3.4	380.0
+50				3.3	380.1	3.1	380.3

	BOUNDARY ST.		E.L		W.L
	383,40				
+90					4.1 379.3
26			3.7	379,7	3.0 380,4
+25					4.8 378,6
+50					5.0 378,4
+60					4.7 378,7
+75					3.0 380.4
27			5.2	378,2	5.5 377,9
+20					4.6 378,8
+40					5.7 377,7
+46.5 = N.L. EL CAJON					5.5 377,9
+50			5.4	378,0	5.3 378,1
28			5.9	377,5	6.0 377,4
			SPIKE IN HOME PHONE POLE		
B.M.	5.97	378.31	N.E. COR. EL CAJON & BOUNDARY		
+50			6.1	377,3	6.2 377,2
29			6.6	376,8	6.3 377,1
+03 = S.L EL CAJON					6.6 376,8
+50			7.4	376,0	7.4 376,0

BOUNDARY ST.

383.40

					E. L			W. L	
30					7.6	375.8		8.2	375.2
+30								9.1	374.3
+50					9.4	374.0		8.7	374.7
31					10.3	373.1		10.5	372.9
+50					11.3	372.1		11.5	371.9
	0.40	372.23	11.57	371.83					
32					1.6	370.6		1.3	370.9
+50					3.4	368.8		2.3	369.9
+53.5 = N.L. - HOWARD.								2.5	369.7
33					4.3	367.9		4.1	368.1
+35.5 = S.L. HOWARD								4.9	367.3
+50					4.7	367.5		4.8	367.4
+10								5.7	366.5
34					5.5	366.7		6.1	366.1
+50					6.2	366.0		7.9	364.3
+60								7.4	364.8
35					7.2	365.0		8.6	363.6

BOUNDARY ST.

372.23

+50

+65 = E. L. MISSOURI

36

0.03 359.77 12.49 359.74

+50

37

+50

38

+50

+75

39

+50

0.60 349.14 11.23 348.54

+25

+50

+62 = N. L. POLK

+70

E. L.		W. L.	
8.9	363.3	10.6	361.6
		11.1	361.1
10.1	362.1	12.5	359.7
0.0	359.8	1.9	357.9
3.5	356.3	4.2	355.6
5.9	353.9	6.0	353.8
7.8	352.0	7.1	352.7
9.5	350.3	7.9	351.9
10.5	349.3		
12.5	347.3	8.5	351.3
		10.8	349.0
5.4	343.7		
3.9	345.2		
		1.4	347.7
3.0	346.1		

BOUNDARY . ST.

B.M	0.36	348.78
+75		
40		
+25		
+45.5		
+50		
+75		
+85		
41		
+35		
+45		
+50		
+70		
42		
+10		
+35		
+45		
+50		

E.L		W.L.	
△ POST AT POLK & BOUNDARY.			
		2.4	346.7
3.0	346.1	4.5	344.6
4.0	345.1		
		5.4	343.7
6.8	342.3	5.6	343.5
7.4	341.7		
		5.7	343.4
8.0	341.1	4.3	344.8
9.1	340.0		
6.9	342.2		
6.6	342.5	4.6	344.5
		5.0	344.1
6.1	343.0	4.1	345.0
6.2	342.9		
4.6	344.5		
5.6	343.5		
6.5	342.6	5.0	344.1

	BOUNDARY ST. 349.14			
+55				
43				
+50				
+60				
44				
+50				
45				
+50				
46				
+50				
	3.78	345.56	7.36	341.78
+70.5	= N.L. LINCOLN			
47				
+25				
+50				
+53-6	= S. L. LINCOLN			
48.				

E.L.		W.L	
8.7	340.4		
10.8	338.3	6.0	343.1
15.2	333.9	6.6	342.5
15.7	333.4		
14.5	334.6	6.7	342.4
14.6	334.5	6.3	342.8
11.8	337.3	6.4	342.7
11.9	337.2	6.1	343.0
11.5	337.6	5.9	343.2
10.6	338.5	5.4	343.7
		1.7	343.9
6.3	339.3	1.7	343.9
3.7	341.9		
4.3	341.3	1.4	344.2
		1.5	344.1
3.9	341.7	1.4	344.2

BOUNDARY ST.

345.56

+50

49

+47.6 = E.L. WISCONSIN

+50

50+

+50

51

+50

52

+50

53

+50

+74.7 = N.W. COR. UNIVERSITY.

+91.8 = N.E. " "

CK.

0.77 344.79

E.L.		W.L.	
3.4	342.2	1.7	343.9
3.3	342.3	2.3	343.3
		2.9	342.7
3.3	342.3	3.0	342.6
3.6	342.0	4.0	341.6
4.2	341.4	5.1	340.5
5.0	340.6	6.1	339.5
5.8	339.8	7.2	338.4
6.9	338.7	8.3	337.3
7.8	337.8	9.6	336.0
8.9	336.7	11.0	334.6
10.3	335.3	12.1	333.5
		12.9	332.7
11.7	333.9		

ON HUB AT S.W. COR. OF WISCONSIN & LINCOLN

WISCONSIN ST. UNIVERSITY – LINCOLN

COVERT
WETMORE
MOORE

12/5/05

	0.83	345.56		344.73
.0 =	S. L. LINCOLN			
+50				
1				
+50				
+89.5 =	W. L. BOUNDARY.			
2				
+50				
3				
+50				
+60				
4.0				
	2.97	337.31	11.22	334.34
3+90				
4				
+40				
+50				

E. L		W. L	
ON. PLUG AT S. W. COR. WISCONSIN & LINCOLN			
		0.8	344.8
		1.1	344.5
		1.5	344.1
		2.7	342.9
3.0	342.6		
3.1	342.5	4.2	341.4
4.3	341.3	5.8	339.8
5.8	339.8	7.6	338.0
7.2	338.4	9.6	336.0
7.2		10.1	335.5
9.2	3364	10.1	
		9.8	327.5
		8.3	329.0
		2.9	334.4
3.0	334.3	3.1	334.2

WISCONSIN ST.

337.31

5				
+25				
+50				
+60				
+65				
+90				
6 = N. L. UNIVERSITY.				
	12.76	343.47	6.60	330.71
	12.13	354.49	1.11	342.36
			2.65	351.84

E.L.		W. L	
5.8	331.5	2.0	335.3
8.6	328.7		
14.0	323.3	0.6	336.7
12.9	324.4		
10.4	326.9		
7.7	329.6		
6.6	330.7	+2.0	339.3

ON HUB AT N. E. COR. UNIV. & WISCONSIN

NAIL IN PHONE POLE AT S. E. COR. UNIV. & MISSOURI

MISSOURI ST.

(HOWARD — UNIVERSITY.)

12/7/05

{COVERT. WETMORE. MOORE

B.M.	2.33	369.65		367.32
B.M.			4.53	365.12
1	10.76	379.37	1.04	368.61
B.M.			12.86	366.51
B.M.			1.06	378.31
	0.44	373.45	6.36	373.01
0 = S.L. HOWARD.				
50-S				
77.5-S = W.L. BOUNDARY.				
100-S				
150-S				
200-S				
	0.16	360.76	12.85	360.60
228-S = W.L. BOUNDARY.				
250-S				
300-S				
350-S				

E.L		C.L.		W.L	
SPIKE IN PHONE AT S.W. COR. EL CAJON — 30TH					
HUB AT N.W. COR. OHIO — EL CAJON.					
HUB AT N.W. COR. EL CAJON — ILLINOIS					
SPIKE IN PHONE POLE AT N.E. COR. EL CAJON & BOUNDARY.					
				6.5	366.9
				7.7	365.7
		7.6	365.8		
		8.2	365.2	8.9	364.5
		10.2	363.2	11.2	362.2
		12.6	360.8	13.4	360.0
0.0	360.8				
1.3	359.5	1.9	358.9	2.5	358.3
3.4	357.4	3.4	357.4	4.0	356.8
5.5	355.3	4.8	356.0	5.1	355.7

		MISSOURI ST		
		360.76		
400-S				
450-S				
500-S				
550-S				
600-S	= N.L.	POLK		
B.M.	1.67	357.25	5.18	355.58
	C.L	POLK		
0 =	S.L	POLK		
50-S				
100-S				
150-S				
200-S				
250-S				
300-S				
350-S				
400-S				
450-S				

E.L		C.L		W.L	
7.1	353.7	5.4	355.4	5.4	355.4
6.9	353.9	5.6	355.2	5.1	355.7
6.7	354.1	5.6	355.2	4.8	356.0
6.8	354.0	5.7	355.1	5.5	355.3
5.6	355.2	6.7	354.1	5.3	355.5
ON. HUB AT N.W. COR. POLK - MISSOURI					
3.0	354.2	2.1	355.1	2.0	355.2
2.6	354.6	2.3	354.9	2.2	355.0
3.1	354.1	2.5	354.7	2.5	354.7
3.2	354.0	3.2	354.0	2.9	354.3
4.9	352.3	3.6	353.6	3.5	353.7
4.6	352.6	4.4	352.8	4.5	352.7
5.2	352.0	4.9	352.3	5.6	351.6
5.8	351.4	5.8	351.4	7.4	349.8
6.7	350.5	7.3	349.9	8.6	348.6
7.8	349.4	9.0	348.2	10.8	346.4
9.0	348.2	10.3	346.9	12.2	345.0

MISSOURI ST

357.25

					E.L.		C.L		W.L	
500-S					10.7	346.5	11.4	345.8	13.3	343.9
550-S					12.0	345.2	12.6	344.6	14.2	343.0
	6.59	351.53	12.31	344.94						
600	= N.L.	LINCOLN			7.5	344.0	7.7	343.8	8.9	342.6
B.M			8.88	342.65	ON HOB AT N.W. COR. LINCOLN - MISSOURI					
+30					7.9	343.6			9.2	342.3
+35					3.3	348.2				
+40	C.L.	LINCOLN.			3.3	348.2	7.9	343.6	10.5	341.0
+45					3.3	348.2				
+55					8.3	343.2			10.3	341.2
+60									8.5	343.0
0	S.L.	LINCOLN			9.4	342.1	7.9	343.6	5.9	345.6
25-S									3.3	348.2
40-S					11.2	340.3				
50-S					13.5	338.0	6.6	344.9	2.8	348.7
65-S					12.7	338.8				
100-S					9.8	341.7	4.9	346.6	1.5	350.0

MISSOURI ST

351.53

					E.L		C.L		W.L	
150-S					6.7	344.8	3.0	348.5	0.6	350.9
200-S					4.1	347.4	1.8	349.7		
250-S					2.0	349.5	0.1	351.4		
	11.58	362.27	0.84	350.69						
200-S									10.1	352.2
250-S									9.0	353.3
300-S					11.5	350.8	10.0	352.3	8.2	354.1
350-S					10.9	351.4	8.9	353.4	7.9	354.4
400-S					9.9	352.4	8.4	353.9	7.5	354.8
450-S					9.5	352.8	8.3	354.0	7.7	354.6
500-S					9.3	353.0	8.4	353.9	8.2	354.1
550-S					9.3	353.0	8.6	353.7	8.5	353.8
600-S	= M.L - UNIVERSITY				9.7	352.6	9.2	353.1	9.4	352.9
B.M			10.38	351.88	3 NAILS IN PHONE S.E COR. UNIV. - MISSOURI					

IOWA ST.

(UNIVERSITY – JACKSON) { COVERT. WETMORE. MOORE.

12/7/05

					E. L		C. L.		W. L	
B.M.	10.38	362.27		351.89	3 NAILS IN PHONE POLE S.E. COR MISSOURI – UNIV.					
0	= N.L. UNIVERSITY.				6.5	355.8	5.4	356,9	5.6	356.7
50-N					6.4	355,9	5.1	357,2	4.9	357,4
100-N					5.6	356,7	4.8	357,5	4.8	357,5
150-N					5.5	356,8	4.5	357,8	4.7	357,6
200-N					5.0	357,3	4.1	358,2	3.7	358,6
250-N					4.6	357,7	3.7	358,6	4.0	358,3
300-N					4.0	358,3	3.1	359,2	3.4	358,9
350-N					3.2	359,1	2.7	359,6	3.1	359,2
400-N					2.5	359,8	2.2	360,1	2.3	360,0
450-N					2.5	359,8	1.7	360,6	1.5	360,8
500-N					1.4	360,9	1,1	361,2	1.1	361,2
515-N									1.5	360,8
550-N					1.7	360,6	0.6	361,7	0,5	361,8
595-N					1,2	361,1				
600-N	= S. L. LINCOLN				0.2	362,1	0.8	361,5	0.0	362,3
	6.37	367.35	1.27	360.98						

IOWA ST

367.35

		E.L		C.L		W.L	
+07		3.1	364.2				
+30		6.1	361.2			4.7	362.6
+35		8.0	359.3			6.9	360.4
+40	= C.L. LINCOLN	7.9	359.4	7.1	360.2	6.6	360.7
+45		7.8	359.5			6.8	360.5
+50						4.3	363.0
+55		2.9	364.4				
+75		2.8	364.5				
+80	= N.L. LINCOLN = 0+0	5.1	362.2	5.4	361.9	4.8	362.5
B.M.	4.80 362.55	HUB	N.W. COR. LINCOLN IOWA.				
+ 05-N		5.7	361.6				
50-N		5.6	361.7	4.7	362.6	4.8	362.5
100-N		5.3	362.0	4.4	362.9	4.5	362.8
150-N		5.3	362.0	4.6	362.7	4.2	363.1
200-N		5.2	362.1	4.5	362.8	4.2	363.1
250-N		5.7	361.6	4.5	362.8	4.1	363.2
300-N		5.8	361.5	4.3	363.0	4.3	363.0

IOWA ST

367.35

		E. L		C. L		W. L	
350-N		6.8	360.5	4.3	363.0	4.2	363.1
400-N		7.7	359.6	5.1	362.2	4.2	363.1
450-N		8.9	358.4	6.2	361.1	4.7	362.6
500-N		9.7	357.6	7.6	359.7	5.1	362.2
550-N		10.2	357.1	8.5	358.8	6.6	360.7
600-N	= S. L. POLK	10.6	356.7	9.1	358.2	8.1	359.2
+25	C. L. POLK	10.8	356.5				
+30		11.5	355.8				
+40	= C. L. POLK	10.6	356.7	9.1	357.6	8.7	358.6
+80	= N. L. POLK = 0+0	10.6	356.7	9.5	357.8	9.0	358.3
B.M	7.77 364.54	ON HUB AT N.E COR. POLK & IOWA					
50-N		8.2	356.3	7.1	357.4	6.6	357.9
100-N		8.6	355.9	7.7	356.8	6.8	357.7
115-N		9.1	355.4				
120-N		10.2	354.3				
150-N		8.2	356.3	9.1	355.4	7.7	356.8
200-N		7.6	356.9	8.7	355.8	8.2	356.3

					E.L		C.L		W.L	
		IOWA ST								
		364.54								
250-N					7.1	357.4	7.8	356.7	7.8	356.7
300-N					6.5	358.0	6.7	357.8	6.7	357.8
350-N					5.8	358.7	6.2	358.3	6.0	358.5
400-N					5.3	359.2	5.3	359.2	5.7	358.8
450-N					4.6	359.9	5.1	359.4	5.2	359.3
500-N					4.7	359.8	4.4	360.1	4.5	360.0
550-N					3.7	360.8	3.8	360.7	4.1	360.4
600-N	= S.L.	HOWARD			2.8	361.7	3.3	361.2	3.3	361.2
+30									3.5	361.0
	= C.L	HOWARD			2.6	361.9	2.4	362.1	2.6	361.9
0 =	N.L	HOWARD			1.9	362.6	1.8	362.7	2.3	362.2
			1.92	362.62	ON. HUB AT N.E COR. HOWARD - IOWA					
30-N					1.3	363.2				
50-N					0.1	364.4	1.4	363.1	1.3	363.2
	12.96	377.09	0.41	364.13						
75-N					13.5	363.6				
100-N					12.1	365.0	13.1	364.0	13.0	364.1

IOWA ST

377.09

150-N

200-N

210-N

215-N

250-N

300-N

337.5-N = S. L. EL. CAJON

387.5 N =

437-5-N =

487.5-N = N. L. EL. CAJON = 0+0

11.43 386.99 1.53 375.56

0 = N. L. EL CAJON

CH. B.M. 8.68 378.31

50-N

100-N

125-N

150-N

E.L		C.L		W.L	
10.1	367.0	10.7	366.4	11.9	365.2
9.0	368.0	9.2	367.9	10.2	366.9
9.0	368.1				
8.0	369.1				
6.6	370.5	7.0	370.1	8.6	368.5
4.0	373.1	6.1	371.0	7.5	369.6
3.7	373.4	5.0	372.1	6.0	371.1
1.6	375.5	3.3	373.8	4.9	372.2
1.1	376.0	2.0	375.1	3.3	373.8
		0.1	377.0	1.5	375.6
8.7	378.3				

SPIKE IN PHONE POLE N.E. COR. EL CAJON & BOUNDARY

9.3	377.7	9.6	377.4	11.1	375.9
8.1	378.9	7.5	379.5	8.8	378.2
7.6	379.4				
6.1	380.9	7.4	379.6	7.7	379.3

IOWA ST

386.99

	E.L		C.L		W.L	
165-N	7.6	379.4				
180-N					6.1	380.9
190.N	7.3	379.7				
200-N	5.3	381.7			7.3	379.7
210-N	5.3	381.7				
225-N	6.8	380.2				
235-N					5.7	381.3
250-N	6.6	380.4			7.0	380.0
275-N	5.7	381.3				
300-N	4.5	382.5			5.9	381.1
310-N	6.0	381.0				
335-N					3.6	383.4
350-N	5.1	381.9			5.6	381.4
370-N	4.8	382.2				
375-N					4.2	382.8
390-N	5.6	381.4			5.4	381.6
400-N	5.5	381.5			4.2	382.8

IOWA ST

386.99

	E. L	C. L	W. L	
410-N				
425-N			3.6	383.4
450-N			5.4	381.6
475-N	5.5	381.5	3.4	383.6
500-N			5.3	381.7
515-N	5.1	381.9	4.5	382.5
545-N = W. L. BOUNDARY.			3.0	384.0
550-N	4.7	382.3		
600-N = S. L. JACKSON			4.4	382.6
C. L. JACKSON			4.4	382.6
0 = N. L. JACKSON			4.3	382.7
4.05 382.94			4.1	382.9
50-N	HUB AT N.W COR. JACKSON & IOWA			0
90-N			3.2	383.8
100-N			3.4	383.6
120-N			2.5	384.5
144.8 = W. L. BOUNDARY.			3.4	383.6
5.06 391.84 3.21 383.78			3.2	383.8

ILLINOIS ST.

					E.L.		C.L.		W.L.	
B.M.	8.90	391.84		382.94	ON HUB AT N.W. COR. JACKSON & IOWA.					
B.M.			1.80	390.03	△ WHITE STAKE S.W. COR. MADISON & ILLINOIS					
122.7 - N. OF MADISON = W.L. BOUNDARY									2.4	389.4
100 - N.									2.4	389.4
50-N									1.9	389.9
	N.L. MADISON								2.7	389.1
	C.L. MADISON								2.3	389.5
	S.L. MADISON								3.2	388.6
50-S									3.4	388.4
86.3 - S					3.5	388.3			3.4	
100-S					3.3	388.5			3.4	388.4
150-S					3.6	388.2			3.8	388.0
200-S					2.6	389.2			3.8	388.0
215-S									2.2	389.6
210-S					3.7	388.1				
250-S					4.0	387.8			4.2	387.6
300-S					4.1	387.7			4.8	387.0

ILLINOIS – ST

391.84

	E. L		C. L		W. L	
325-S					2.5	389.3
350-S	4.6	387.2			4.5	387.3
375-S					3.2	388.6
400-S	5.0	386.8			4.8	387.0
430-S	2.9	388.9				
435-S					5.1	386.7
450-S	5.1	386.7			4.1	387.7
460-S					5.1	386.7
475-S					3.8	388.0
490-S	3.3	388.5				
500-S	4.1	387.7			5.6	386.2
510-S	5.6	386.2				
530-S	3.6	388.2				
550-S	5.5	386.3			5.9	385.9
560-S	6.1	385.7				
570-S					4.8	387.0
590-S	4.5	387.3			6.3	385.5

ILLINOIS ST

391.84

600 = N. L. MONROE.

+15

+40 = C. L. MONROE

0 = S. L MONROE

6.49 385.35

10-S

15-S

25-S

50-S

75-S

90-S

100-S

115-S

135-S

150-S

170-S

180-S

E.L.		C.L.		W.L	
6.1	385.7			6.2	385.6
				4.6	386.2
6.3	385.5			6.2	385.6
6.5	385.3			6.7	385.1
PLUG AT S.E. COR. MONROE & ILLINOIS					
				6.6	385.2
6.4	385.4				
5.1	386.7			4.5	387.3
6.6	385.2			6.9	384.9
6.3	385.5				
4.8	387.0				
5.3	386.5			6.9	384.9
6.6	385.2			6.7	385.1
				5.5	386.3
6.3	385.5			7.1	384.7
				6.1	385.7
				7.5	384.3

ILLINOIS S.T

391.84

	E.L.		C.L.	W.L.	
200-S	6.9	384.9		6.8	385.0
210-S				5.6	386.2
240-S	5.3	386.5			
235-S				7.3	384.5
250-S	5.8	386.0		7.3	384.5
260-S	7.3	384.5			
290-S	7.2	384.6			
300-S	5.7	386.1		7.6	384.2
325-S	7.9	383.9		6.2	385.6
350-S	8.0	383.8		8.2	383.6
360-S				8.0	383.8
375-S				6.6	385.2
400-S	8.4	383.4		8.9	382.9
415-S				8.5	383.3
430-S	7.0	384.8		7.0	
435-S				7.0	384.8
450-S	9.2	382.6		8.8	383.0

ILLINOIS ST

					E.L		C.L		W.L	
45	2.16	385.37	8.63	383.21						
460-S									1.8	383.6
480-S									2.9	382.5
490-S					1.0	384.4				
500-S					0.8	384.6			1.9	383.5
510-S					2.4	383.0			3.0	382.4
540-S					1.8	383.6				
550-S					2.4	383.0			3.7	381.7
560-S					3.8	381.6				
575-S									2.2	383.2
600-S	= N. L. JACKSON				4.3	381.1			3.7	381.7
+25					3.0				5.0	380.4
+40	= C. L. JACKSON				3.0	382.4			2.6	382.8
+50					2.3	383.1				
+75									5.9	379.5
0	= S. L. JACKSON				5.0	380.4			5.5	379.9
10-S									5.1	380.3

ILLINOIS

385.37

	E. L.		C. L.	W. L.	
20-S	4.9	380.5			
30-S	3.6	381.8		7.2	378.2
50-S	5.2	380.2		7.3	378.1
60-S	5.2			7.0	378.4
80-S				4.9	380.5
90-S	6.0	379.4			
100-S	4.3	381.1		6.4	379.0
110-S				8.9	376.5
125-S	6.1	379.3			
140-S	6.9	378.5			
150-S	6.5	378.9		9.3	376.1
200-S	8.1	377.3		10.5	374.9
240-S	8.9	376.5		10.3	375.1
250-S	7.8	377.6		11.6	373.8
260-S	6.9	378.5		11.7	
275-S				11.7	373.7
300-S	10.6	374.8		9.2	376.2

ILLINOIS ST

385.37

					E.L.		C.L.		W.L.	
330-S					8.8	376.6			13.4	372.0
350-S					10.6	374.8			13.6	371.8
360-S					11.9	373.5				
385-S									12.7	372.7
395-S					10.4	375.0				
400-S					10.8	374.6				
	2.01	375.41	11.97	373.40						
		8.91								
		3.00								
415-S					2.9	372.5			4.9	370.5
425-S									4.1	371.3
450-S					2.9	372.5			5.4	370.0
460-S					4.6	370.8			4.7	370.7
475-S					3.3	372.1				
480-S									6.1	369.3
500-S					4.7	370.7			5.7	369.7
510-S					5.9	369.5				
515-S									7.2	368.2
525-S					4.0	371.4				

ILLINOIS ST

375.41

540-S

550-S

560-S

555-S

575-S

590-S

600-S = N.L. EL. CAJON.

+50

+100

+150 = S.L. EL. CAJON 366.51

0 8.94 366.47

E.L.	C.L.	W.L.
		6.1 369.3
5.8	369.6	7.7 367.7
6.8	368.6	
		7.9 367.5
		6.8 368.6
5.7	369.7	
6.6	368.8	9.0 366.4
8.1	367.3	8.6 366.8
9.9	365.5	10.1 365.3
10.0	365.4	10.7 364.7

ON PLUG AT N.W. COR. EL. CAJON - ILLINOIS

E. L. C. L. W. L

B.M. 367.32 - Spk S.W. Cor in Pole 3

149

369.64 - Kan S & S

(8/25/05 McLeran)

Main 125 ft W. of Spk. in Old Elec. Pole 296.48
University, N.W. Spk in Elec. Pole (boulevard) 301.96
✓ Blaine NE Spk in New Phone Pole (100 ft from Cor. N) 306.97
Lincoln S.E. " " " " " 312.55
Campus S.E. " " " " " 344.11
Van Buren S.W. " " " " 344.85
El Cajon Ave N.E. " " 340.08
Jackson N. " Old Elec 342.86
Monroe S. " " " 345.06
Madison S Spk in Old Elec Pole 350.77
Pavilion " " Pole at end of Trolly Line 356.41
Top of 3" outlet pipe in east side of small reservoir front of Pavilion 360.52

{390.65 SE Hub Ohio & Adams

367.32 - { 30TH & EL CAJON S.W. SPIKE IN PHONE POLE

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	[illegible]	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

Published by H. S. Crocker Company, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.