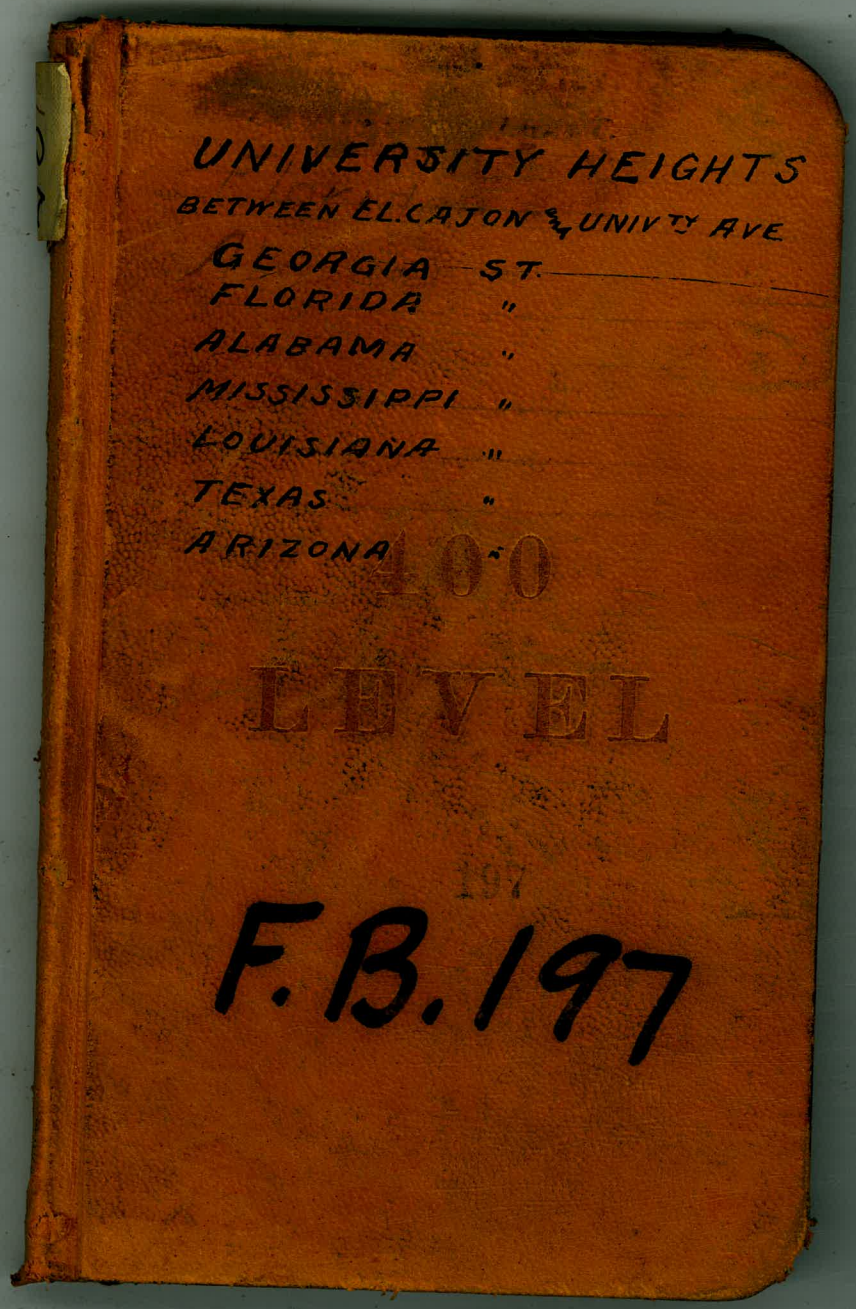

UNIVERSITY HEIGHTS
BETWEEN EL CAJON & UNIV'TY AVE
GEORGIA ST.
FLORIDA "
ALABAMA "
MISSISSIPPI "
LOUISIANA "
TEXAS "
ARIZONA "
LEVEL
F.B.197

197

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

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

MICROFILMED 1984

Return to City Engineers Office
City Hall, San Diego, Cal.

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
°		°		°		°	
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

197
Return to City Engineers Office
City Hall, San Diego, Cal.

338.68
327.28
7.74
335.02
0.95
334.07+
11.70
323.32
316.21
5.84
322.05
3.87
318.18
10.41
328.66
0.28
328.38
7.11
335.49
1.16
334.33
7.29
341.62

2.26
329.54
9.30
320.24
0.42
320.66

323.32
3.72
327.04

334.07
8.64
342.71

GEORGIA ST. EL CAJON AVE TO UNIV' AVE

{Fields
Gunn
Munson

May. 26 1905.

Cross Section Georgia St.
Elcajon ave. To University ave.

H.I. 322.05 Rod Elev.

So. line Elcajon ave.

W. line		8.5	313.6
ob		7.7	314.4
¼		8.2	313.9
C		9.1	313,0
½		9.7	312.4
ob		9.7	312.4
E. line		10.1	312,0

GEORGIA ST, EL CAJON AVE TO UNIV' AVE

May 26 1905

	12' So. Elcajon	Rod	Elev
E. line		10.5	311.6
cb		9.5	312.6
¼		9.1	313.0
C		8.3	313.8
¼		7.4	314.7
cb		6.2	315.9
W. line		5.7	316.4

	37' So. Elcajon		
W. line		4.8	317.3
cb		6.2	315.9
¼		6.5	315.6
C		7.6	314.5
¼		9.1	313.0
cb		9.4	312.7
E. line		9.2	312.9

	62' So. Elcajon		
E. line		8.7	313.4
cb		7.9	314.2
¼		7.3	314.8
C		7.3	314.8
¼		6.9	315.2
cb		5.7	316.4
W. line		4.8	317.3

	87' So. Elcajon		
W. line		4.0	318.1
cb		5.7	316.4
¼		6.4	315.7
C		6.0	316.1
¼		6.4	315.7
cb		8.0	314.1
E. line		7.9	314.2

	112' So. Elcajon		
E. line		8.3	313,8
cb		7.9	314,2
¼		7.4	314.7
C		6.4	315.7
¼		5.4	316.7
cb		5.1	317.0
W. line		4.5	317.6
	137' So. Elcajon		
W. line		4.0	318.1
cb		4.5	317.6
¼		5.2	316.9
C		6.9	315.2
¼		7.6	314.5
cb		8.0	314.1
E. line		8.8	313,3

	162' So. Elcajon		
E. line		8.2	313,9
cb		7.1	315.0
¼		6.4	315.7
C		6.9	315.2
¼		6.2	315.9
cb		4.7	317.4
W. line		3.8	318.3
	187' So. Elcajon		
W. line		4.1	318.0
cb		5.7	316.4
¼		6.1	316.0
C		6.3	315.8
¼		7.0	315.1
cb		7.8	314.3
E. line		8.6	313.5

212' So. Elcajon

E. line	8.5	313.6
cb	7.8	314.3
1/4	7.2	314.9
C	6.6	315.5
1/4	5.8	316.3
cb	5.2	316.9
W. line	4.6	317.5

237' So. Elcajon

W. line	5.0	317.1
cb	5.4	316.7
1/4	6.0	316.1
C	6.7	315.4
1/4	7.6	314.5
cb	8.4	313.7
E. line	9.3	312.8

262' So. Elcajon

E. line	9.7	312.4
cb	8.5	313.6
1/4	6.8	315.3
C	5.6	316.5
1/4	5.2	316.9
cb	4.5	317.6
W. line	3.2	318.9

277' So. Elcajon

W. line	3.1	319.0
cb	5.2	316.9
1/4	6.0	316.1
C	6.8	315.3
1/4	7.7	314.4
cb	8.6	313.5
E. line	8.5	313.6

312' So. Elcajon

E. line	9.5	312.6
cb	7.9	314.2
1/4	6.2	315.9
c	5.5	316.6
1/4	4.5	317.6
cb	4.1	318.1
W. line	3.2	318.9

North line Howard St.

W. line	3.9	318.2
cb	5.9	316.2
1/4	6.7	315.4
c	7.5	314.6
1/4	7.6	314.5
cb	8.8	313.3
E. line	9.4	312.7

May 27 1905 {Childs Gunn Munson

H.I. 328.66

North cb.

E. line	15.4	313.3
cb	15.0	313.7
1/4	14.5	314.2
c	13.5	315.2
1/4	12.1	316.6
cb	12.2	316.5
W. line	11.0	317.7

North 1/4

W. line	9.2	319.5
cb	10.0	318.7
1/4	10.9	317.8
c	11.9	316.8
1/4	12.6	316.1
cb	13.7	315.0
E. line	14.7	314.0

Center Howard

E line	14.2	314.5
cb	13.0	315.7
1/4	12.3	316.4
C	11.4	317.3
1/4	10.4	318.3
cb	9.7	319.0
W. line	8.6	320.1

South 1/4

W. line	9.0	319.7
cb	10.1	318.6
1/4	11.0	317.7
C	11.8	316.9
1/4	12.7	316.0
cb	13.9	314.8
E. line	15.3	313.4

South cb.

E line	13.8	314.9
cb	13.0	315.7
1/4	12.9	315.8
C.	11.0	317.7
1/4	9.9	318.8
cb	8.7	320.0
W. line	7.5	321.2

Southline Howard

W. line	5.3	323.4
cb	8.2	320.5
1/4	9.3	319.4
C	10.5	318.2
1/4	11.7	317.0
cb	12.4	316.3
E. line	13.6	315.2

25' So. Howard

E. line	13.2	315.5
cb	11.8	316.9
1/4	10.2	318.5
C	9.6	319.1
1/4	8.0	320.7
cb	6.1	322.6
cb +7'	5.6	323.1
W. line	2.1	326.6

50' So. Howard

W. line	2.1	326.6
W. line +8'	5.1	323.6
cb	5.9	322.8
1/4	7.0	321.7
C	8.1	320.6
1/4	9.6	319.1
cb	11.7	317.0
E. line	12.8	315.9

75' So. Howard

E. line	14.4	314.3
cb	13.0	315.7
1/4	11.2	317.5
C	9.1	319.6
1/4	6.9	321.8
cb	5.8	322.9
cb + 6'	4.8	323.9
W. line	1.0	327.0

100' So. Howard

W. line	0.3	328.4
W. line +9'	6.0	322.7
cb	7.3	321.4
1/4	9.0	319.7
C	10.6	318.1
1/4	12.7	316.0
cb	14.4	314.3
E. line	15.8	312.9

	125' So. Howard			
E. line		15.8		312.9
CL		14.5		314.2
¼		12.9		315.8
C		11.1		317.6
¼		8.8		319.9
CL		8.0		320.7
W. line		4.1		324.6
	150' So. Howard			
W. line	HI 335.49	5.5	330.0	
W. line + 6	HI 328.66	2.2		326.5
CL		2.7		326.0
¼		3.7		325.0
C		6.7		322.0
¼		7.9		320.8
CL		9.2		319.5
E. line		10.9		317.8

	175' So. Howard			
E. line		9.1		319.6
CL		6.8		321.9
¼		4.3		324.4
C		2.7		326.0
¼		1.6		327.1
CL		0.2		328.5
W. line	HI 335.49	5.0	330.5	
	HI 335.49			
	200' So. Howard			
W. line		4.2		331.3
CL		5.7		329.8
¼		7.0		328.5
C		8.5		327.0
¼		10.0		325.5
CL		11.8		323.7
E. line		14.8		320.7

225' So. Howard

E. line	14.2	321.3
cb	11.6	323.9
1/4	9.5	324.0
C	7.2	328.3
1/4	5.7	329.8
cb	3.8	331.7
W. line	3.4	332.1

250' So. Howard

W. line	3.0	332.5
cb	3.6	331.9
1/4	4.5	331.0
C	5.8	329.7
1/4	7.6	327.9
cb	10.1	325.4
E. line	13.4	322.1

275' So. Howard

E. line	11.3	224.2
cb	8.6	226.9
1/4	6.9	228.6
C	5.0	330.5
1/4	3.7	331.8
cb	2.4	333.1
W. line	1.8	333.7

300' So. Howard

W. line	1.1	334.4
cb	1.5	334.0
1/4	2.8	332.7
C	4.2	331.3
1/4	6.4	329.1
cb	8.0	327.5
E. line	10.4	325.1

325' So. Howard

E. line	8.7	326.8
cb	7.0	328.5
1/4	4.4	331.1
C	3.0	332.5
1/4	1.8	333.7
cb	0.8	334.7
W. line	0.2	335.3

~~N.E.~~ 341.62

350' So. Howard

W. line	5.8	335.8
cb	6.2	335.4
1/4	7.4	334.2
C	8.4	333.2
1/4	9.7	331.9
cb	11.3	330.3
E. line	14.0	327.6

375' So. Howard

E. line	12.6	329.0
cb	10.8	330.8
1/4	9.3	332.3
C	7.3	334.3
1/4	6.3	335.3
cb	5.9	335.7
W. line	5.6	336.0

400' So. Howard

W. line	4.3	337.3
cb	4.7	336.9
1/4	5.6	336.0
C	7.0	334.6
1/4	8.3	333.3
cb	10.1	331.5
E. line	11.9	329.7

425' So. Howard

E. line		9.9	331.7
cb		8.2	333.4
1/4		7.2	334.4
c		5.9	335.7
1/4		5.3	336.3
cb		5.2	336.4
W. line		4.8	336.8

450' So. Howard

W. line		4.7	336.9
cb		4.8	336.8
1/4		5.2	336.4
c		5.7	335.9
1/4		6.6	335.0
cb		7.8	333.8
E. line		9.4	332.2

475' So. Howard

E. line		7.9	333.7
cb		6.5	335.1
1/4		5.7	335.9
c		5.2	336.4
1/4		4.9	336.7
cb		4.2	337.4
W. line		3.8	337.8

500' So. Howard

W. line		4.4	337.2
cb		3.7	337.9
1/4		4.5	337.1
c		4.9	336.7
1/4		5.6	336.0
cb		5.8	335.8
E. line		7.0	334.6

525' So. Howard

E. line		6.1	335.5
cb		5.6	336.0
1/4		5.3	336.3
C		4.8	336.8
1/4		4.4	337.2
cb		4.3	337.3
W. line		4.4	337.2

550' So. Howard

W. line		4.3	337.3
cb		4.5	337.1
1/4		4.8	336.8
C		4.5	337.1
1/4		5.0	336.6
cb		5.0	336.6
E. line		5.8	335.8

575' So. Howard

E. line		5.6	336.0
cb		5.1	336.5
1/4		4.8	336.8
C		4.7	336.9
1/4		4.5	337.1
cb		4.6	337.0
W. line		4.4	337.2

North line Polk

W. line		4.12	337.50
cb		4.1	337.5
1/4		4.6	337.0
C		4.7	336.9
1/4		4.6	337.0
cb		4.8	336.8
E. line		5.5	336.1

June 1, 1905

H.I 338.68

North curb

E. line	2.5	336.2
cb	2.3	336.4
1/4	1.9	336.8
C	1.9	336.8
1/4	1.5	337.2
cb	1.0	337.7
W. line	1.4	337.3

North 1/4

W. line	1.7	337.0
cb	1.6	337.1
1/4	1.9	336.8
C	2.2	336.5
1/4	2.3	336.4
cb	3.0	335.7
E. line	3.9	334.8

Schields
Gunn
Munson

Center Polk St.

E. line	3.8	334.9
cb	2.8	335.9
1/4	2.0	336.7
C	1.6	337.1
1/4	1.4	337.3
cb	1.3	337.4
W. line	1.2	337.5

South 1/4

W. line	1.8	336.9
cb	1.9	336.8
1/4	1.8	336.9
C	2.1	336.6
1/4	2.3	336.4
cb	3.2	335.5
E. line	4.4	334.3

South curb.

E. line	3.0	335.7
cb	2.2	336.5
1/4	2.0	336.7
C	1.5	337.2
1/4	1.0	337.7
cb	1.0	337.7
W. line	1.3	337.4

South line Polk

W. line	1.2	337.5
cb	1.3	337.4
1/4	1.1	337.6
C	1.1	337.6
1/4	1.6	337.1
cb	2.1	336.7
E. line	3.2	335.2

25' So. Polk

		335.3
E. line	3.4	~~337.3~~
cb	2.3	336.4
1/4	1.9	336.8
C	1.8	336.9
1/4	1.7	337.0
cb	1.1	337.6
W. line	1.4	337.3

50' So. Polk

W. line	1.6	337.1
cb	1.6	337.1
1/4	1.4	337.3
C	1.2	337.5
1/4	2.5	336.2
cb	3.0	335.7
E. line	4.0	334.7

75' So. Polk		
E. line	4.3	334.4
cb	2.8	335.9
1/4	2.3	336.4
C	1.7	337.0
1/4	1.6	337.1
cb	1.6	337.1
W. line	1.5	337.2
100' So. Polk		
W. line	1.7	337.0
cb	1.8	336.9
1/4	1.9	336.8
C	1.7	337.0 ~~336.8~~
1/4	2.4	336.3
cb	3.5	335.2
E. line	6.2	332.5

125' So. Polk		
E. line	5.5	333.2
cb	3.3	335.4
1/4	3.1	335.6
C	2.1	336.6
1/4	2.1	336.6
cb	2.0	336.7
W. line	1.8	336.9
150' So. Polk		
W. line	2.2	336.5
cb	2.2	336.5
1/4	2.1	336.6
C	2.4	336.3
1/4	3.2	335.5
cb	3.8	334.5
E. line	5.7	333.0

	175' So. Polk		
E. line	6.2	332.5	
cb	4.9	333.8	
1/4	3.7	335.0	
C	2.7	336.0	
1/4	2.5	336.2	
cb	2.8	335.9	
W. line	2.3	336.4	
	200' So. Polk		
W. line	2.5	336.2	
cb	2.8	335.9	
1/4	2.4	336.3	
C	2.8	335.9	
1/4	4.0	334.7	
cb	5.6	333.1	
E. line	7.8	330.9	

	225' So. Polk		
E. line	9.9	328.8	
cb	7.4	331.3	
1/4	5.0	333.7	
C	3.3	335.4	
1/4	3.4	335.3	
cb	3.3	335.4	
W. line	2.9	335.8	
	250' So. Polk		
W. line	3.3	335.4	
cb	3.5	335.2	
1/4	4.0	334.7	
C	4.0	334.7	
1/4	6.6	332.1	
cb	9.8	328.9	
E. line	12.8	325.9	

275' So. Polk

E. line	14.5	324.2	
cb	11.3	327.4	
1/4	8.3	330.4	
C	5.2	333.5	
1/4	4.0	334.7	
cb	4.0	334.7	
W. line	3.5	335.2	

300' So. Polk

W. line	4.1	334.6	
cb	4.6	334.1	
1/4	5.9	332.6	
C	8.1	330.6	
1/4	10.7	328.0	
cb	12.7	326.0	
E. line	14.5	324.2	

325' So. Polk

E. line	17.5	321.2	
cb	14.2	324.5	
1/4	12.6	326.1	
C	10.2	328.7	
1/4	8.1	330.6	
cb	5.6	333.2	
W. line	4.6	334.1	

350' So. Polk

W. line	5.6	333.1	
cb	7.9	330.8	
1/4	10.6	328.1	
C	12.8	325.9	
1/4	HI 329.54 4.9	324.6	
cb	7.5	322.0	
E. line	11.4	318.1	

	375' So. Polk		
E. line	H.I. 329.54	14.4	315.1
cb		11.7	317.8
1/4		8.2	321.3
C	H.I. 338.68	14.7	324.0
1/4		12.9	325.8
Cb		10.6	328.1
W. line		7.6	331.1
	400' So. Polk		
W. line	H.I. 329.54	0.9	328.6
cb		3.6	325.9
1/4		6.0	323.5
C		8.2	321.3
1/4		10.7	318.8
cb		13.5	316.0
E. line		18.2	311.3

	425' So. Polk		
E. line		16.3	313.2
cb		13.0	316.5
1/4		10.5	319.0
C		7.8	321.7
1/4		5.4	324.1
Cb		3.9	325.6
W. line		2.0	327.5
	450' So. Polk		
W. line		3.7	325.8
cb		5.8	323.7
1/4		7.6	321.9
C		9.6	319.9
1/4		11.9	317.4
Cb		14.3	315.2
E. line		17.6	311.9

475' So. Polk

E. line	H.I. 320.66	12.0	308.7
cb		8.6	312.1
1/4		6.0	314.7
C	H.I. 329.54	12.5	317.0
1/4		9.6	319.9
cb		8.0	321.5
w. line		5.8	323.7

500' So. Polk

w. line		5.8	323.7
cb		8.4	321.1
1/4		11.4	318.1
C		14.6	314.9
1/4	H.I. 320.66	8.7	312.0
cb		10.8	309.9
E. line		13.6	307.1

525' So. Polk

E. line		14.5	306.2
cb		11.0	309.7
1/4		9.2	311.5
C	H.I. 329.54	14.9	314.6
1/4		11.4	318.1
cb		7.8	321.7
w. line		5.9	323.6

550' So. Polk

w. line		4.7	324.8
cb		7.9	321.6
1/4		10.5	319.0
C		13.9	315.6
1/4	H.I. 320.66	8.1	312.6
cb		10.7	310.0
E. line		14.5	306.2

575' So. Polk

E. line		12.1	308.6
cb		8.6	312.1
1/4		5.9	314.8
C	H.I. 329.54	12.8	316.7
1/4		9.4	320.1
cb		6.9	322.6
W. line		3.7	325.8

North line Lincoln Street,

W. line	H.I 338.68	11.40	327.28
cb	H.I. 329.54	3.9	325.6
1/4		6.7	322.8
C		10.3	319.2
1/4	H.I. 320.66	4.3	316.4
cb		6.8	313.9
E. line		10.0	310.7

North Curb.

E. line	H.I. 329.54	16.3	313.2
cb		13.7	315.8
1/4		11.0	318.5
C	H.I. 329.54	9.8	319.7
1/4		6.8	322.7
cb		3.9	325.6
W. line		1.8	327.7

North 1/4

W. line		1.6	327.9
cb		3.8	325.7
1/4		6.3	323.2
C		8.6	320.9
1/4		10.6	318.9
cb		12.6	316.9
E. line		15.4	314.1

Center Lincoln Street

E. line		14.5	315.0
cb		11.9	317.6
¼		10.0	319.5
c	H.I. 329.54	7.9	321.6
¼		5.3	324.2
cb		3.3	326.2
W. line		0.9	328.6

South ¼

W. line		1.5	328.0
cb		3.2	326.3
¼		4.9	324.6
c		7.4	322.1
¼		10.3	319.2
cb		12.4	317.1
E. line		15.4	314.1

South curb

E. line		15.7	313.8
cb	H.I. 329.54	12.7	316.8
¼		9.7	319.8
c		6.5	322.0
¼		3.7	324.8
cb		1.4	327.1
W. line	H.I. 335.02	5.2	329.8

South line Lincoln

W. line	H.I. 335.02	4.4	330.6
cb	H.I. 329.54	0.9	328.6
¼		3.1	326.4
c		6.5	323.0
¼		9.3	320.2
cb		12.6	316.9
E. line		15.7	313.8

	25' So. Lincoln			
E.line	H.I.	327.04	12.0	315.0
cb			9.7	317.3
¼	H.I.	335.02	13.5	321.5
C			9.7	325.3
¼			7.1	327.9
cb			5.2	329.8
W.line			3.0	332.0
	50' So. Lincoln			
W.line			1.6	333.4
cb			2.9	332.1
¼			5.7	329.3
C			8.8	326.2
¼			11.8	323.2
cb	H.I.	327.04	7.5	319.5
E.line			10.2	316.8

	75' So. Lincoln			
E.line			9.1	317.9
cb			5.2	321.8
¼	H.I.	335.02	10.0	325.0
C			6.4	328.6
¼			3.7	331.3
cb			2.3	332.7
W.line			1.4	333.6
	100' So. Lincoln			
W.line			0.4	334.6
cb			1.1	333.9
¼			1.8	333.2
C			3.9	331.1
¼			7.0	328.0
cb			9.8	325.2
E.line			13.8	321.2

125' So. Lincoln

E. line		10.6	334.4
cb		6.7	328.3
1/4		4.4	330.6
C		1.7	333.3
1/4		0.9	334.1
cb	H.I. 342.71	7.9	334.8
W. line		7.6	335.1

150' So. Lincoln

W. line		6.7	336.0
cb		7.3	335.4
1/4		7.8	334.9
C		8.3	334.4
1/4		9.2	333.5
cb		12.1	330.6
E. line		14.4	328.3

175' So. Lincoln

E. line		11.6	331.1
cb		9.1	333.6
1/4		7.7	335.0
C		7.1	335.6
1/4		6.9	335.8
cb		6.6	336.1
W. line		6.1	336.6

200' So. Lincoln

W. line		5.7	337.0
cb		5.5	337.2
1/4		5.5	337.2
C		6.1	336.6
1/4		6.8	335.9
cb		7.8	334.9
E. line		9.4	333.3

225' So. Lincoln

E. line	7.8	334.9
cb	6.9	335.8
1/4	6.2	336.5
C	5.6	337.1
1/4	5.5	337.2
cb	5.5	337.2
W. line	5.4	337.3

250 So. Lincoln

W. line	5.2	337.5
cb	5.0	337.7
1/4	4.9	337.8
C	4.7	338.0
1/4	5.2	337.5
cb	6.2	336.5
E. line	6.2	336.5

275' So. Lincoln

E. line	6.0	336.7
cb	5.5	337.2
1/4	5.2	337.5
C	4.8	337.9
1/4	5.1	337.6
cb	4.9	337.8
W. line	5.0	337.7

300' So. Lincoln

W. line	5.1	337.6
cb	4.9	337.8
1/4	4.9	337.8
C	4.4	338.3
1/4	4.4	338.3
cb	4.7	338.0
E. line	5.7	337.0

325' So. Lincoln		
E. line	5.3	337.4
cb	4.7	338.0
1/4	4.6	338.1
C	4.3	338.4
1/4	4.5	338.2
cb	4.7	338.0
W. line	5.0	337.7

350' So. Lincoln		
W. line	5.3	337.4
cb	5.0	337.7
1/4	4.8	337.9
C	4.4	338.3
1/4	4.6	338.1
cb	3.7	339.0
E. line	3.9	338.8

375' So. Lincoln		
E. line	4.4	338.3
cb	4.1	338.6
1/4	4.1	338.6
C	4.8	337.9
1/4	5.1	337.6
cb	5.2	337.5
W. line	5.4	337.3

400' So. Lincoln		
W. line	5.8	336.9
cb	5.7	337.0
1/4	5.0	337.7
C	4.8	337.9
1/4	4.7	338.0
cb	3.9	338.8
E. line	4.0	338.7

425' So. Lincoln

E. line	3.8	338.9
cb	4.2	338.5
1/4	4.9	337.8
C	5.3	337.4
1/4	5.5	337.2
cb	5.9	336.8
W. line	6.0	336.7

450' So. Lincoln

W. line	6.0	336.7
cb	5.9	336.8
1/4	5.5	337.2
C	4.7	338.0
1/4	5.2	337.5
cb	4.6	338.1
E. line	4.2	338.5

475' So. Lincoln

E. line	4.5	338.2
cb	4.7	338.0
1/4	5.0	337.7
C	5.5	337.2
1/4	6.5	336.2
cb	6.5	336.2
W. line	6.4	336.3

500' So. Lincoln

W. line	6.9	335.8
cb	6.7	336.0
1/4	6.6	336.1
C	5.5	337.2
1/4	5.8	336.9
cb	5.4	337.3
E. line	5.0	337.7

525' So. Lincoln

E. line		4.3	338.4
cb		5.0	337.7
1/4		5.5	337.2
C		5.9	336.8
1/4		6.2	336.5
cb		6.7	336.0
W. line		7.0	335.7

530' So. Lincoln

W. line		6.3	336.4
cb		6.5	336.2
1/4		5.5	337.2
C		5.4	337.3
1/4		5.8	336.9
cb		5.1	337.6
E. line		4.6	338.1

575' So. Lincoln

E. line		4.6	338.1
cb		4.9	337.8
1/4		5.2	337.5
C		5.3	337.4
1/4		4.9	337.8
cb		5.3	337.4
W. line		5.8	336.9

North line University ave.

W. line		5.4	337.3
cb		4.5	338.2
1/4		4.0	338.7
C		4.6	338.1
1/4		4.6	338.1
cb		4.3	338.4
E. line	Blk. cor.	4.07	338.64

Florida St - El Cajon to University Ave

	ϕ	
	2.30	298.76
50 Line El C.		
6' S	" "	
10 "	" "	
14		
25' "	" "	
50' "	" "	
75 "	" "	
81		
84		
95		
100		
126		
140		
150		
165		
175 "	" "	

El C. & Florida
BM = 296.46

West		Ctr.		East	
0.4	298.4	1.2	297.6	4.0	294.8
4.4	294.4				
6.5	292.3				
4.9	293.9				
4.9	293.9	2.8	296.0	5.1	293.7
3.8	295.0	3.6	295.2	6.3	292.5
1.8	297.0	3.8	295.0	7.7	291.1
				8.1	290.7
				9.8	289.0
				7.9	290.9
2.8	296.0	3.9	294.9	7.8	291.0
1.7	297.1	4.2	294.6	6.7	292.1
				4.7	294.1
2.4	296.4	4.3	294.5	4.7	294.1
				6.8	292.0
3.2	295.6	4.7	294.1	5.7	293.1

6/ Davis
/ Brooks
05 Haslam

Florida St

ϕ 298.76

						West		Ctr		East	
200' So of El. Cajon						3.2	295.6	5.1	293.7	6.2	292.6
225 " " "						3.7	295.1	5.3	293.5	6.2	292.6
250' " " "						3.7	295.1	5.7	293.1	7.6	291.2
264 " " "						4.5	294.3				
275 " " "						3.0	295.8	5.9	292.9	7.5	291.3
300' " " "						3.9	294.9	6.4	292.4	8.1	290.7
337' So. No Line Howard.						5.2	293.6	6.6	292.2	9.2	289.6
T.P	7.99	298.55	8.20		290.56						
Ctr of Howard						5.0	293.6	6.6	292.0	8.6	290.0
So. line Howard						5.1	293.5	6.2	292.4	10.9	287.7
25' So of Howard						3.6	295.0	5.6	293.0	10.9	287.7
50' " " "						2.9	295.7	4.9	293.7	8.9	289.7
75' " " "						2.3	296.3	4.4	294.2	8.4	290.2
100' " " "						2.8	295.8	3.7	294.9	7.1	291.5
125' " " "						3.3	295.3	4.0	294.6	6.2	292.4
150' " " "						5.1	293.5	4.7	293.9	6.2	292.4
175 " " "						6.3	292.3	6.3	292.3	6.6	292.0

Florida St

		℄ 298.55		
200' So of Howard				
225 "		"		
250 "		"		
275 "		"		
300 "		"		
T.P.	1.21	286.85	12.91	285.64
325 ' So Howard.				
350	"	"		
375	"	"		
400	"	"		
425				
450	"	"		
475	"	"		
500	"	"		
525	"	"		
550	"	"		
575	"	"		

West		Ctr		East	
7.8	290.8	7.7	290.9 ✓	7.7	290.9
8.6	290.0	8.9	289.7	8.9	289.7
8.7	289.9	10.7	288.4	10.7	287.9
10.1	288.5	11.6	287.0	11.7	286.9
12.2	286.4	12.4	286.2	13.8	284.8
1.6	285.3 ✓	2.2	284.7	3.7	283.2 ✓
2.4	284.5	3.3	283.6	5.2	281.7
4.1	282.8	4.6	282.3	5.3	281.6
4.1	282.8	6.5	280.4	7.2	279.7
3.9	283.0	6.6	280.3	8.9	278.0
3.8	283.1	7.6	279.3	9.5	277.4
3.3	283.6	8.1	278.8	10.4	276.5
3.4	283.5	8.5	278.3	12.1	274.8
3.1	283.8	8.9	278.0	14.0	272.9
4.0	282.9	9.4	277.5	14.4	272.5
4.8	282.1	10.1	276.8	14.5	272.4

Florida St

286.85

600 So of No line Polk			
T.P.	5.72	281.38	11.19	275.66
24' So of No line Polk			
35 " " " " "			
Ctr of Polk			
13' So of Ctr "			
So line	"		
25' So	"		
40 "	"		
50 "	"		
75 "	"		
100 "	"		
125 "	"		
150 "	"		
175 "	"		
200 "	"		
225 "	"		

West		Ctr		East	
5.2	281.7	10.9	276.0	14.3	272.6
				11.1	270.2
				7.9	273.5
1.2	280.2	5.8	275.6	7.5	273.9
				9.0	272.4
2.8	278.6	7.0	274.4	9.7	271.7
2.6	278.8	7.4	274.0	10.9	270.5
				12.1	269.3
3.3	278.1	7.7	273.7	11.3	270.1
3.4	278.0	8.1	273.3	11.4	270.0
4.0	277.4	8.0	273.4	11.7	269.7
4.2	277.2	8.3	273.1	11.6	269.8
4.3	277.1	8.4	273.0	11.7	269.7
5.9	275.5	9.7	271.7	11.7	269.7
7.2	274.2	10.1	271.3	12.3	269.1
8.5	272.9	10.4	271.0	13.5	267.9

Florida St

℄ 281.38

250' So of Polk				
275' " " "				
300 " " "			Sta @ 300' So. Polk W. Side	
T.P.	0.93	273.00	9.31	272.07
325' So of Polk				
350 " " "				
363 " " "				
375 " " "				
400 " " "				
425 " " "				
450 " " "				
475 " " "				
500 " " "				
525' " " "				
531 " " "				
550				
575 " " "				

West		Ctr		East	
9.2	272.2	10.6	270.8	13.9	267.5
10.0	271.4	11.9	269.5	12.3	269.1
9.5	271.9	13.2	268.2	14.1	267.3
2.0	271.0	5.1	267.9	7.2	265.8
3.5	269.5	6.5	266.5	9.0	264.0
				10.5	262.5
4.2	268.8	7.8	264.2	9.0	264.0
5.8	267.2	8.6	264.4	5.0	268.0
4.9	268.1	11.1	261.9	4.1	268.9
6.2	266.8	9.1	263.9	4.6	264.4
9.3	263.7	8.8	264.2	5.2	267.8
10.7	262.3	8.9	264.1	5.6	267.4
12.1	260.9	9.2	263.8	6.2	266.8
10.3	262.7	8.1		6.7	
10.4	262.6	10.5	262.5	6.7	266.3
10.9	262.1	11.3	261.7	8.0	265.0

Florida St

℄

273.00

600' So. No line of Lincoln					
25' So of No. line "					
28 " " " " "					
Ctr of "					
So. line " "					
25' So " "					
T.P. 5.97	266.17	12.80			260.20
50' So of Lincoln					
75' " " "					
100' "					
125' "					
150' "					
175' "					
200' "					
225' "					
250' "					
264 "					

West		Ctr		East.	
12.9	260.1	11.6	261.4	8.7	264.3
		14.5	258.5		
		15.8	257.2		
9.0	264.0	12.2	260.8	9.2	263.8
9.3	263.7	13.3	259.7	11.0	262.0
8.7	264.3	13.8	259.2	12.7	260.3
1.4	264.8	7.2	259.0	6.6	259.6
1.8	264.4	6.2	260.0	6.7	259.5
2.4	263.8	7.2	259.0	7.5	258.7
6.1	260.1	8.3	257.9	7.9	258.3
8.1	258.1	8.8	257.4	7.7	258.5
9.0	257.2	9.8	256.4	6.6	259.6
9.4	256.8	11.7	254.5	8.0	258.2
10.3	255.9	13.9	252.3	11.1	255.1
11.1	255.1	13.6	252.6	11.5	254.7
10.0	256.2				

Florida St

ϕ 266.17

275' So of Lincoln				
300' " " "				
T.P.	11.68	276.62	1.23	264.94
300' So " "				
325 "				
350 "				
375				
T.P.	0.83	265.77		264.94
325 So of Lincoln				
350 "				
375 "				
400				
T.P.	13.05	278.66	0.16	265.61
425 "				
450 "				
475 "				
T.P.	13.22	290.09	1.79	276.87

West		Ctr		East	
4.9	261.3	13.0	253.2	11.6	254.6
		6.7	259.5	13.2	253.6
4.9	271.7				
3.1	273.4	14.3	262.8		
1.8	274.8	13.2	263.4		
0.7	275.9	9.5	266.9		
				14.7	251.1
				10.9	254.9
I.H. 286.36		I.H. 272.48		-7.1	258.7
8.8	277.6	4.2	268.3	3.7	262.1
+0.6	279.3	8.0	270.7	13.3	265.4
		4.3	274.4	12.0	266.7
		1.5	277.2	8.5	270.2

Florida St

290.09

450 So of Lincoln
475 "
500 "
525 "
550 "
575 "
600 " No Linc. Univ Ave.

West		Ctr		East	
8.2	281.9				
6.1	284.0				
4.9	285.2	10.2	279.9	15.0	275.1
3.0	287.1	7.7	282.4	12.4	277.7
1.4	288.7	6.9	283.2	11.4	278.7
0.6	289.5	6.4	283.7	11.5	278.6
0.3	289.8	5.9	284.2	11.0	279.1
			BM =	279.09	.15 dif
Ch K BM Hub N.E Cor			10.95	279.14	

Alabama St - El Cajon to Univ Ave

6/20/05 { Davis, Bradn, Haslam

						West		Ctr		East	
	1.36	308.10			306.74						
So. Line El Cajon						8.0	300.1	7.0	301.1	5.5	302.6
25' So of "						8.9	299.2	6.3	301.8	4.7	303.4
50' " " "						7.6	300.5	8.2	299.9	6.2	301.9
57 "										7.0	301.1
75' "						10.6	297.5	7.3	300.8	5.4	302.7
100 "						10.3	297.8	9.1	299.0	7.3	300.8
125 "						10.7	297.4	8.6	299.5	6.1	302.0
150 "						11.4	296.7	9.1	299.0	8.1	300.0
175 "						12.2	295.9	9.6	298.5	7.8	300.3
200' "						11.2	296.9	10.9	297.2	8.7	299.4
225 "						13.0	295.1	11.2	296.9	8.0	300.1
250' "						13.3	294.8	11.8	296.3	9.3	298.8
275 "						14.4	293.7	12.7	295.4	10.7	297.4
T.P.	1.99	298.45	11.64		296.46						
300' So of El. C.						5.0	293.4	4.3	294.1	3.1	295.3
320' " " "										2.4	296.0
337 " = No line Howard						4.9	293.5	4.4	294.0	3.5	294.9

Alabama St

298.45'

Ctr of Howard

So. line	"
25'	So.
50'	"
63'	"
75'	"
93'	"
100'	"
125'	"
150'	"
175'	"
200'	"
225'	"
250'	"
275'	"
300'	"

West		Ctr		East	
6.8	291.7	6.8	291.7	5.0	293.0
9.2	289.3	7.4	291.1	5.6	292.8
9.6	288.9	8.2	290.3	5.9	292.6
8.7	289.8	7.6	290.9	5.9	292.6
6.0	292.5				
6.3	292.2	9.0	289.5	6.2	292.3
10.6	287.9				
11.1	287.4	8.7	289.8	7.1	291.4
11.5	287.0	8.3	290.2	6.7	291.8
11.5	287.0	6.7	291.8	6.2	292.3
11.6	286.9	5.9	292.6	7.3	291.2
11.5	287.0	6.0	292.5	7.0	291.5
11.7	286.8	6.2	292.3	7.4	291.1
11.9	286.6	6.1	292.4	7.8	290.7
12.0	286.5	6.1	292.4	8.2	290.3
11.9	286.6	6.1	292.4	8.1	290.4

Alabama St.

		290.45		
T.P	6.25	296.68	8.02	290.43
325' So of Howard				
350'	"			
375	"			
400'	"			
425	"			
450'	"			
475	"			
500'	"			
5.25	"			
550	"			
575	"			
600 = No Line	Polk			
Ctr	"			
So. line	"			

Note - R.R embt in ctr of Ala average about 5' fill; from 4 to 5 about 4 to 4' fill - from 5 to " about 1 to 3' fill.

West		Ctr		East	
11.0	285.7	4.3	292.4	6.1	290.6
11.1	285.6	4.4	292.3	6.1	290.6
11.0	285.7	4.4	292.3	6.2	290.5
11.2	285.5	4.3	292.4	5.7	291.0
10.9	285.8	4.5	292.2	5.5	291.2
10.9	285.8	4.5	292.2	4.1	292.6
10.9	285.8	4.4	292.3	3.9	292.8
10.0	286.7	4.6	292.1	4.2	292.5
9.1	287.6	4.4	292.3	2.5	294.2
8.8	287.9	4.1	292.6	2.0	294.7
8.8	287.9	4.2	292.5	2.3	294.4
8.8	287.9	4.2	292.5	2.4	294.3
8.1	288.6	4.2	292.5	1.6	295.0
7.4	289.3	4.1	292.6	2.1	294.6

from Howard to Polk from Sta 1 to 4

Alabama St

296.68

25'50	of Polk			
36	"			
50	"			
63	"			
75	"			
100	"			
125	"			
150	"			
175	"			
T.P.	8.25	299.44	5.49	291.19
200	"			
225	"			
250	"			
275	"			
300	"			
325	"			
350	"			

West		Ctr		East	
7.1	289.6	4.1	292.6	2.1	294.6
				2.9	293.8
6.9	289.8	4.1	292.6	0.9	295.8
				0.0	296.7
6.6	290.1	3.9	292.8	1.2	295.5
6.4	290.3	4.0	292.7	2.4	294.3
6.1	290.6	4.0	292.7	2.1	294.6
5.7	291.0	4.0	292.7	2.2	294.5
5.6	291.1	4.0	292.7	2.0	294.7
8.9	290.6	6.7	292.8	4.8	294.7
9.4	290.1	6.3	293.2	5.3	293.2
9.1	290.4	6.7	292.8	4.4	295.1
8.6	290.9	6.4	293.1	4.1	295.4
8.9	290.6	6.1	293.4	4.0	295.5
8.8	290.7	5.9	293.6	3.6	295.9
9.0	290.5	5.6	293.9	3.6	295.9

Alabama St

299.44

375" So of Polk.				
400' "				
425 "				
450' "				
476 "				
500 "				
525 "				
550 "				
575 "				
600 = No Line Lincoln				
T.P	1.12	290.47	10.09	289.35
Ctr of Lincoln				
So. Line "				
25' So				
50' "				
T.P	0.05	278.11	12.41	278.06
75' "				

West		Ctr		East	
8.7	280.8	5.3	294.2	4.1	295.4
8.7	280.8	5.9	293.6	3.1	296.4
9.0	290.5	6.4	293.1	4.6	294.9
9.0	290.5	6.5	293.0	4.6	294.9
9.5	290.0	7.1	292.4	5.3	294.2
9.6	289.9	7.7	291.8	4.0	295.5
10.3	289.2	8.3	291.2	6.6	292.9
11.0	288.5	9.4	290.1	7.4	292.1
12.1	287.4	10.5	289.0	9.0	290.5
12.9	286.6	11.6	287.9	10.1	289.4
6.1	284.4	4.4	286.1	3.3	287.2
8.7	281.8	7.8	282.7	6.3	284.2
11.5	279.0	10.3	280.2	8.9	281.6
14.0	276.5	13.7	276.8	11.8	278.7
10.2	267.8	8.4	269.7	3.6	274.5

Alabama St

278.11

85' S. of Lincoln				
97' "				
100 "				
105 "				
107 "				
123 "				
125 "				
132				
150				
175' "				
T.P.	9.58	285.80	1.89	276.22
200' "				
225' "				
250' "				
275' "				
300' "				
325 "				
350 "				
375 "				

West		Ctr		East	
13.9	264.2				
				9.9	268.2
14.6	263.5	13.8	264.3	12.9	265.2
14.6	363.5				
		16.6	261.5	14.3	263.8
				13.1	265.0
16.0	262.1	14.1	264.0	14.2	263.9
			132'50	{13.0 / 14.8}	
11.5	266.6	9.2	268.9	12.4	265.7
5.5	272.6	4.1	274.0	2.9	275.2
8.4	277.4	6.6	278.2	4.2	281.6
6.7	278.1	5.2	280.6	2.8	283.0
6.4	279.4	4.2	281.6	2.7	283.1
6.6	279.2	4.4	281.4	2.9	282.9
7.2	278.6	4.7	281.1	2.8	283.0
8.3	277.5	5.5	280.3	3.4	282.4
9.3	276.5	6.2	279.6	4.2	281.6
11.0	274.8	7.5	278.3	4.8	281.0

Alabama St

		d	
		285.80	
400' So Lincoln			
T.P.	0.65	279.49	6.96	278.84
425 "			
450 "			
475 "			
500' "			
525 "			
550 "			
576 "			
600' Notime Univ. Ave.			
		9.24	270.23

West		Ctr		East	
14.1	271.7	8.5	277.3	5.9	279.9
9.1	270.4	3.4	276.1	6.0	273.5
10.3	269.2	4.2	275.3	1.5	278.0
11.1	268.4	5.3	274.2	2.6	276.9
12.1	267.4	6.3	273.2	3.5	276.0
12.8	266.7	7.1	272.4	5.1	274.4
12.9	266.6	8.3	271.2	6.6	272.9
13.7	265.8	9.3	270.2	8.2	271.3
16.1	263.4	10.9	268.5	9.2	270.3

= BM. H46 N.E Ala. & Univ.

Mississippi St — El Cajon to Univ Ave

6/20/05 { Davis, Brooks, Haslam

	3.02	330.51			327.49	West		Ctr		East	
So. line El. C.						11.0	319.5	8.4	322.1	6.4	324.1
25' So "						10.9	319.6	8.8	321.7	7.0	323.5
50' "						9.5	321.0	9.3	321.2	6.9	323.6
75 "						11.2	319.3	9.8	320.7	7.2	322.3
80 "						11.9	318.6				
88 "						11.2	319.3				
100 "						11.5	319.0	9.4	321.1	7.2	323.3
114 "						10.7	319.8				
125 "						11.4	319.1	10.1	320.4	6.8	323.7
150 "						12.3	318.2	9.6	320.9	6.9	323.6
175 "						13.1	317.4	9.9	320.6	7.2	323.3
200 "						12.4	318.1	10.0	320.5	7.7	322.8
217					217 =	13.6	316.9				
225 "						12.6	317.9	10.6	319.9	8.6	321.9
250 "						13.0	317.0	11.6	318.9	9.3	321.2
275 "						14.5	316.0	12.4	318.1	9.9	320.6
300						14.6	315.9	13.0	317.5	11.9	318.6

Mississippi St

330.51

322' So of E.C.

337 = No line Howard

1.28	321.89	9.90	320.61

Ctr of Howard.

S. Line "

19'	5.0
25'	5.1
38'	"
50'	"
75	"
81'	"
100	
125	"
150'	"
175	"
200	"
225	"
250	"
275	

West		Ctr		East	
14.2	316.3				
15.3	315.2	12.0	318.5	9.9	320.6
= B.M. Plg N.E Cor Howard & Miss.					
6.0	315.9	5.0	316.9	3.0	318.9
6.2	315.7	5.0	316.9	4.2	317.7
8.1	313.8	6.8	315.1	5.4 = 19'50 5.0	316.9
				4.1	317.8
8.5	313.4	6.2	315.7	5.0	316.9
7.5	314.4				
8.4	313.5	6.8	315.1	5.2	316.7
8.1	313.8	8.3	313.6	5.8	316.1
10.2	311.7	8.4	313.5	6.1	315.8
8.1	313.8	7.4	314.5	5.8	316.1
9.7	312.2	7.3	314.6	7.6	314.3
10.3	311.6	8.8	313.1	7.7	314.2
9.3	312.6	9.7	312.2	7.2	314.7
10.5	311.4	9.3	312.6	7.9	314.0
10.6	311.3	8.5	313.4	8.1	313.8

Mississippi St

321.89

300' So of Howard.				
325 "				
350 "				
375 "				
400 "				
425 "				
T.P.	5.31	315.05	12.15	309.74
	3.49	315.16	3.38	311.67
450 "				
475 "				
500 "				
525 "				
528 "				
550				
575				
No line Polk				
Ctr "				
So. line "				

West		Ctr		East	
11.3	310.6	8.4	312.5	7.8	314.1
11.1	310.8	9.9	312.0	9.0	312.9
11.8	310.1	10.4	311.5	7.7	314.2
11.3	310.6	10.3	311.6	8.8	313.1
11.4	310.5	9.6	312.3	8.7	313.2
12.2	309.7	10.7	311.2	9.4	312.5

BM. Pin NE Polk & Miss.

5.6	309.6	4.3	310.9	1.5	313.7
4.0	311.2	4.2	311.0	2.9	312.3
5.3	309.9	4.4	310.8	1.6	313.6
4.1	311.1	4.0	311.2	3.3	311.9
3.6	311.6				
5.5	309.7	4.5	310.7	3.7	311.5
6.5	308.7	3.2	312.0	4.2	311.0
6.2	309.0	5.6	309.7	3.5	311.7
7.1	308.1	5.5	309.7	4.4	310.8
7.4	307.8	5.1	310.1	4.4	310.8

Mississippi St

315.16

25' So of Polk				
50 "				
75 "				
100 "				
150 "				
200 "				
250 "				
300 "				
T.P.	1.54	304.00	12.70	302.46
350 "				
400 "				
450 "				
500 "				
550 "				
T.P.	1.50	292.79	12.71	291.29
575 "				
No. line Lincoln			5.47	287.32

West		Ctr		East	
7.0	308.2	6.2	309.0	5.5	309.7
7.0	308.2	6.2	309.0	5.8	309.4
7.4	307.8	6.4	308.8	6.2	309.0
7.6	307.6	6.9	308.3	6.4	308.8
8.8	306.4	8.4	306.8	8.0	307.2
10.2	305.0	9.9	305.3	9.2	306.0
11.4	303.8	11.6	303.6	11.7	303.5
13.2	302.0	13.8	301.4	14.5	300.7
4.5	299.5	5.7	298.0	5.2	298.8
6.6	297.4	7.4	296.6	6.9	297.1
9.1	294.9	9.9	294.1	8.7	295.3
11.8	292.2	11.8	292.2	10.6	293.4
14.3	289.7	13.7	291.3	13.4	290.6
4.1	288.7	4.3	288.5	3.6	289.2
5.5	287.3	6.6	286.2	5.5	287.3

= BM E/O NW Lincoln & Miss

Mississippi St

		292.79		
14' S. of No line				
26' " " "				
Ctr Lincoln				
T.P.	1.74	282.60	11.93	280.86
Ctr Lincoln				
15' S of Ctr				
18' " " "				
20' " " "				
30' " " "				
So. line Lincoln				
14' S. "				
16' "				
24' "				
T.P.	9.32	291.58	0.34	282.26
25'				
33' "				
50' "				
75' "				
100' "				
125' "				
150				
T.P.	3.01	294.27	0.32	291.26

West		Ctr		East	
				14'- 7.0	285.8
		8.6		26'- 10.7	282.1
				14.4	278.4
9.5	283.3	8.6	284.2		
				8.2	274.4
		1.9	280.7		
				4.9	277.7
1.2	~~291.8~~ 281.4	9.3	~~283.5~~ 273.3		
6.2	~~286.6~~ 276.4	9.6	~~283.2~~ 273.0	1.3	281.3
8.5	~~284.5~~ 275.9				
10.5	272.1				
11.2	271.4				
18.2	273.4	9.4	282.8	4.7	286.9
13.4	278.2				
11.7	279.9	6.7	284.9	2.7	288.9
8.4	283.2	4.8	286.8	2.0	289.6
6.3	285.3	4.0	287.6	1.5	290.1
5.6	286.0	2.9	288.7	0.4	291.2
4.7	286.9	1.6	290.0		

Mississippi St

294.27

150' So Lincoln				
200' " "				
225 "				
250 "				
300 "				
350 "				
400 "				
450 "				
500 "				
525 "				
550 "				
T.P	0.38	285.39	9.24	285.11
575 "				
No line Univ Ave				

West		Ctr		East	
				2.6	291.7
6.5	287.8	4.6	289.7	2.5	291.8
6.6	287.7				
5.5	288.8	4.0	290.3	3.2	291.1
6.4	287.9	5.1	289.2	4.0	290.3
7.0	287.3	5.5	288.8	5.6	289.7
7.8	286.5	6.3	288.0	5.4	288.9
8.7	285.6	7.3	287.0	6.5	287.8
10.5	283.8	9.4	284.9	7.6	286.7
11.3	283.0	13.3	281.0	8.2	286.1
14.2	280.1	12.8	281.5	8.8	285.5
B.M N.E Pig Miss & Univ Ave.					
11.2	274.2	3.7	281.7	0.3	285.1
6.9	278.5	3.8	281.6	0.4	285.0

Louisiana St

11.44 337.89 326.45

So. line El Cajon

25 "

50 "

62 "

65 "

75 "

100 "

125 "

150 "

163 "

175 "

200 "

225 "

250 "

275 "

300 "

El Cajon to Univ 6/3/65 Davis Brooks Harlan

West		Ctr		East	
3.2	334.7	7.5	330.4	11.1	326.8
3.1	334.8	6.9	331.0	10.9	327.0
2.2	335.7	5.1	332.8	9.9	328.0
				8.7	329.2
2.9	335.0				
2.2	335.7	4.7	333.2	9.3	328.6
1.9	336.9	3.3	334.8	8.7	328.2
1.0	336.9	3.6	334.3	8.3	328.6
2.0	335.9	3.2	334.7	7.7	330.2
0.9	337.0				
2.0	335.9	2.8	335.1	7.3	330.6
2.6	335.3	2.6	335.3	6.6	331.3
2.9	335.0	3.1	334.8	6.4	331.5
3.2	334.7	3.1	334.8	5.6	332.3
3.3	334.6	2.4	335.3	5.8	332.1
3.2	334.7	3.6	334.3	5.1	332.8

Louisiana St.

338'50	No line	Howard.		
T.P.	2.495	335.435	4.95	332.94
Ctr	Howard.			
St. line		"		
25'	So	"		
50	"			
75	"			
100	"			
150	"			
200	"			
250	"			
T.P.	0.50	323.32	12.615	322.82
250	"			
300	"			
350	"			
400	"			
T.P.	1.77	312.56	12.53	310.79

West		Ctr		East	
4.5	333.4	3.6	334.3	5.0	332.9
= BM. P19	NE Cor	Louisiana & Howard.			
2.3	333.1	1.8	333.6	2.5	332.9
4.1	331.3	2.6	332.8	3.3	332.1
4.2	331.2	2.9	332.5	3.7	331.7
5.1	330.3	3.6	331.8	4.7	330.7
4.6	331.8	4.4	331.0	5.3	330.1
5.3	333.1	4.2	331.2	6.3	329.1
6.8	328.6	6.4	329.0	8.9	326.5
8.2	327.2	9.0	326.4	12.8	322.6
11.1	324.3	12.7	322.7		
				5.3	518.0
2.4	320.9	4.7	318.6	9.3	314.0
4.8	318.5	9.8	313.5	13.6	309.7
7.7	315.6	12.6	310.7		

Louisiana St

312.56

400' So of Howard

450 "

475 "

488 "

500 "

550 "

555 "

575 "

600 " = No line Polk

12.22 300.34

Ctr "

3.62 303.96 300.34

So. line Polk

15' So "

25 '

40 "

50 '

63 '

West		Ctr		East	
				5.3	307.3
1.1	311.5	4.6	308.0	9.8	302.8
				12.0 = 475	300.6
				12.4 = 488	300.2
3.7	308.9	7.7	304.9	11.7	300.9
6.2	306.4	12.0	300.6	11.9	300.7
		13.7	298.9		
6.7	305.9	14.0	298.6	12.1	300.5
8.3	304.3	14.6	298.0	12.2	300.4

= B.M. Pig N.E Cor Louisiana & Polk.

9.6	303.0	14.2	298.4	12.4	300.2
25	301.5	7.9	296.1	2.9	301.1
		9.0	295.0		
44	299.6	8.4	295.6	3.2	300.8
6.2	297.8				
8.2	295.8	5.2	298.8	3.1	300.9
10.7	293.3				

Louisiana St

313.96

75'50 Polk				
100' "				
125' "				
150' "				
200' "				
250' "				
300' "				
336				
350' "				
T.P.	5.31	306.36	2.95	301.01
400' "				
450' "				
500' "				
550' "				
600' No line Lincoln				
			4.01	302.35
29'50 " " "				
36' " " " "				

West		Ctr		East	
9.3	294.7	5.0	299.0	2.9	301.1
10.0	294.0	5.4	298.6	2.6	301.4
11.4	292.6				
11.3	292.7	5.9	298.1	2.1	301.9
9.6	294.4	5.6	298.4	2.2	301.8
7.3	296.7	6.1	297.9	2.7	301.3
7.5	296.5	6.1	297.9	3.9	300.1
9.1	294.9				
8.7	295.3	6.1	297.9	3.4	300.6
10.5	295.9	7.9	298.5	5.1	301.3
9.8	296.6	7.6	298.8	5.2	301.2
9.0	297.4	7.2	296.2	4.8	301.6
8.9	297.5	6.8	296.6	4.1	302.3
8.6	297.8	6.7	296.7	4.0	302.4
B.M. Pig NE Cor Lincoln & La.					
7.5	298.9	6.3	300.1	3.7	302.7
3.2	303.2	2.5	303.9	1.2	305.2

St Louis 1909 St

306.36

Ctr Lincoln					
4' So of Ctr					
12' " " "					
So. line Lincoln					
50' So "					
T.P.	3.54	306.34	3.56		302.80
100' "					
150 "					
200 "					
250 "					
300 "					
350 "					
400 "					
450 "					
500 "					
550					
600 = No line Univ					

West		Ctr		East	
3.2	303.2	2.2	304.2	1.1	305.3
3.2	308.2	2.3	304.1	1.1	305.3
7.6	298.8	5.5	300.9	3.3	303.1
7.0	299.4	5.3	301.1	3.3	303.1
6.3	300.1	4.9	301.5	2.9	303.5
6.6	299.8	5.1	301.3	3.4	303.0
7.0	299.4	5.6	300.8	4.1	302.3
7.0	299.4	5.8	300.6	3.8	302.6
7.9	298.5	5.9	300.5	3.7	302.7
7.8	298.6	5.5	300.9	3.6	302.8
7.7	298.7	5.8	300.6	3.6	302.8
8.3	298.1	6.3	300.1	4.3	302.1
8.7	297.7	6.8	299.6	4.4	302.0
8.8	297.6	7.2	299.2	4.7	301.7
9.6	296.8	8.0	298.8	5.4	301.0
9.5	296.9	7.9	298.5	5.8	300.6

Texas St - El Cajon to University 6/26/05 {Davis, Brooks, Haslam

	1.54	326.51			324.97	West		Ctr		East	
So. line	El Cajon					4.6	321.9	3.3	323.2	2.8	323.7
15' So						3.6	322.9				
50' So						5.5	321.0	4.1	322.4	3.6	322.9
100' "						5.6	320.9	5.0	321.5	4.3	322.2
150' "						7.8	318.7	5.9	320.6	5.3	321.2
180' "						7.0	319.5				
200 "						7.8	318.7	6.7	319.8	5.7	320.8
250 "						8.1	318.4	7.5	319.0	6.6	319.9
300 "						9.2	317.2	8.2	318.3	7.0	319.5
338 "	No. line	Howard				10.2	316.3	8.5	318.0	7.3	319.2
			10.22		316.29	BM. Plg N.W Texas & Howard.					
Ctr of		"				11.4	315.1	9.1	317.4	7.2	319.3
So line "		"				9.9	316.6	9.4	317.1	7.5	319.0
17' So		"				11.5	315.0				
50' "						11.4	315.1	9.1	317.4	7.1	319.4
T.P. "	5.64	323.28	8.87		317.64						
100 "						7.3	316.0	5.7	317.6	3.4	319.9
150 "						6.0	317.3	5.3	318.0	2.4	320.9
200 "						7.7	315.6	4.7	318.6	1.8	321.5

Texas St

323.28

250' So of Howard.
300 "
350 "
400 "
440 "
T.P. 7.18 329.27 1.19 322.09
450 "
500 "
550 "
600 No line Polk
P 6.72 323.55
Ctr of "
So line " "
50' So
100 "
150 "
200 "

W		Ctr		E	
6.5	316.8	4.6	318.7	1.7	221.6
6.3	317.0	4.6	318.7	2.3	321.0
6.8	316.5	4.1	319.2	2.0	321.3
4.0	319.3	2.9	320.4	0.2	323.1
4.9	318.4				
9.8	319.5	7.7	321.6	5.0	324.3
8.8	320.5	5.9	323.4	4.3	325.0
6.5	322.8	4.7	324.6	3.5	325.8
5.7	323.6	4.4	324.9	3.8	325.5

323.53 = B.M. Pig N.W. Texas & Polk.

5.9	323.4	4.4	324.9	3.7	325.6
6.7	322.6	4.6	324.7	3.9	325.4
6.3	323.0	4.6	324.7	3.6	325.7
7.3	322.0	4.8	324.5	3.6	325.7
8.3	321.0	5.5	323.8	3.3	326.0
8.6	320.7	5.8	323.5	3.5	325.8

Texas St

329.27

250' So of Polk				
T.P.	2.13	325.29	6.11	323.16
300' "				
350' "				
400 "				
450 "				
500 "				
550 "				
No. line Lincoln				
30' So of No line				
35' "				
Ctr of Lincoln				
6' So of Ctr "				
8' " " "				
10' " " "				
12'				
So. line Lincoln				
	4.51	320.88	8.92	316.37

W		Ctr		E.	
8.3	321.0	6.8	323.5	4.4	324.9
4.3	321.0	2.4	322.9	1.0	324.3
4.8	320.8	3.2	322.1	1.5	323.8
6.4	318.9	4.3	321.0	2.9	322.4
5.9	319.4	5.4	219.9	4.3	321.0
7.1	318.2	5.8	319.5	5.5	319.8
7.5	317.8	6.4	318.9	6.3	319.0
7.8	317.5	7.6	317.7	6.7	318.6
8.7	316.6			6.5	318.8
				9.7	315.6
13.0	312.3	7.9	317.4	10.2	315.1
12.4	312.9			9.6	315.7
				6.6	318.7
8.2	317.1				
8.9	316.4	8.3	317.0	7.4	317.9

BM. Pig S.W. Cor Texas & Lincoln.

Texas 57

320.88

50' So of Lincoln.
100 "
150 "
200 "
250 "
300 "
350 "
400 "
450 "
500 "
550 "
600 " = No line Univ.

5.09

315.71 = D.M.
315.79 = VBM NE Tex & Univ

W		Ctr		E.	
5.3	315.6	4.1	316.8	3.4	317.5
5.4	315.5	4.5	316.4	4.1	316.8
5.9	315.0	4.6	316.3	4.2	316.7
6.1	314.8	4.9	316.0	4.0	316.9
5.8	315.1	4.7	316.2	4.7	316.2
5.1	315.8	4.2	316.7	3.9	317.0
5.1	315.8	3.8	317.1	3.5	317.4
4.8	316.1	3.8	317.1	3.9	317.0
5.0	315.9	4.0	316.9	4.5	316.4
5.3	315.6	4.4	316.5	4.7	316.2
5.7	315.2	4.7	316.2	5.1	315.8
6.1	314.8	5.1	315.8	5.1	315.8

6 Davis
26 Brooks
05 Haslam

Arizona St

	1.16	341.13			339.97
So. line El Cayon					
24, So					
50 So	"				
+80					
100 "					
150 "					
200 "					
250 "					
300 "					
338 "	No. line Howard.				
	1.56	334.53	8.16		332.97
Ctr of Howard.					
So line	"				
50 So	"				
100 "					
150 "					
200 "					
250 "					
300 "					

El Cayon to University

West		Ctr		East	
8.5	332.6	6.2	334.9	3.2	337.9
				24 4.2	336.9
8.9	332.2	6.3	334.8	3.2	337.9
				80 3.5	337.6
9.4	331.7	7.4	333.7	4.8	336.3
10.1	301.0	8.2	332.9	4.8	336.3
10.5	330.6	8.7	332.4	6.0	335.1
11.3	329.8	9.6	331.5	6.6	334.5
11.9	329.2	10.2	330.9	8.3	332.8
11.6	329.5	10.6	330.5	8.2	332.9
B.M Stake NE Arizona & Howard					
5.4	329.1	3.9	330.6	2.1	332.4
6.0	328.5	4.3	330.2	2.7	331.8
5.7	328.8	4.5	330.0	3.4	331.1
5.6	328.9	4.6	329.9	3.5	331.0
5.4	229.1	4.6	329.9	4.0	330.5
5.5	329.0	4.8	329.7	3.7	330.8
5.2	329.3	4.6	329.9	4.2	330.3
5.2	329.3	4.6	329.9	4.1	330.4

Arizona St

334.53

350' So Howard

400 "

450 "

500 "

550 "

No line Polk

2.73 333.37 3.89 330.64

Ctr Line Polk

50 " "

50' So "

50' "

100 "

150 "

180 "

200 "

250 "

300 "

350 "

N		Ctr		E	
5.6	328.9	4.7	329.8	3.8	330.7
5.9	328.6	5.2	328.3	4.7	329.8
6.1	328.4	5.5	329.0	5.1	329.4
5.6	328.9	5.5	329.0	4.9	329.6
5.9	328.6	5.3	329.2	4.6	329.9
5.8	328.7	5.5	329.0	3.9	330.6

BM Stake NE. Cor Polk & Arizona

4.9	328.5	4.3	329.1	4.2	329.2
5.2	328.2	5.0	328.4	3.5	329.9
				Hor = 2.6	330.8
4.5	328.9	5.1	328.3	5.1	328.3
5.9	327.5	5.3	328.1	5.5	327.9
5.0	328.4	6.2	327.2	5.2	328.2
6.8	326.6				
6.5	326.9	4.7	326.7	4.7	326.7
6.6	326.8	7.2	326.2	7.0	326.4
7.1	326.3	6.5	326.9	7.1	326.3
8.3	325.1	8.6	324.8	8.0	325.4

Arizona St

333.27

	2.83	327.05	9.15	324.22
400' So Polk				
450 "				
500 "				
550 "				
No. line Lincoln				
			8.1.0	218.95
28' So of No line				
36' " " " "				
Ctr Line Lincoln				
5' So of Ctr "				
10' " "				
Soiling Lincoln				
50' So				
T.P.	1.94	317.95	11.04	316.01
100' So				
150 "				

W.		Ctr		E	
2.8	324.3	3.1	324.0	3.0	324.1
4.3	322.8	4.2	322.9	3.8	323.3
5.4	321.7	5.6	321.5	5.3	321.8
7.0	320.1	7.0	320.1	6.5	320.6
8.1	319.0	8.2	218.9	8.1	319.1
B.M. Pk N.W. Cor Arizona & Lincoln					
8.1	319.0	8.1	319.0	7.9	319.2
6.0	321.1	5.1	322.0	4.5	322.6
6.0	321.1	5.1	322.0	4.4	322.7
6.1	321.0	5.1	322.0	4.8	322.3
8.5	318.6	8.6	318.5	7.8	319.8
9.3	317.8	8.9	318.2	8.4	318.7
11.0	316.1	10.2	316.9	9.8	317.3
2.8	315.2	2.7	315.8	1.7	316.3
3.8	314.2	3.4	314.6	3.3	314.7

Arizona St

317.95

200' So Lincoln

250' "

300 "

350 "

400 "

2.01 307.99 11.97 30598

450 "

500 "

550'

No Line Univ.

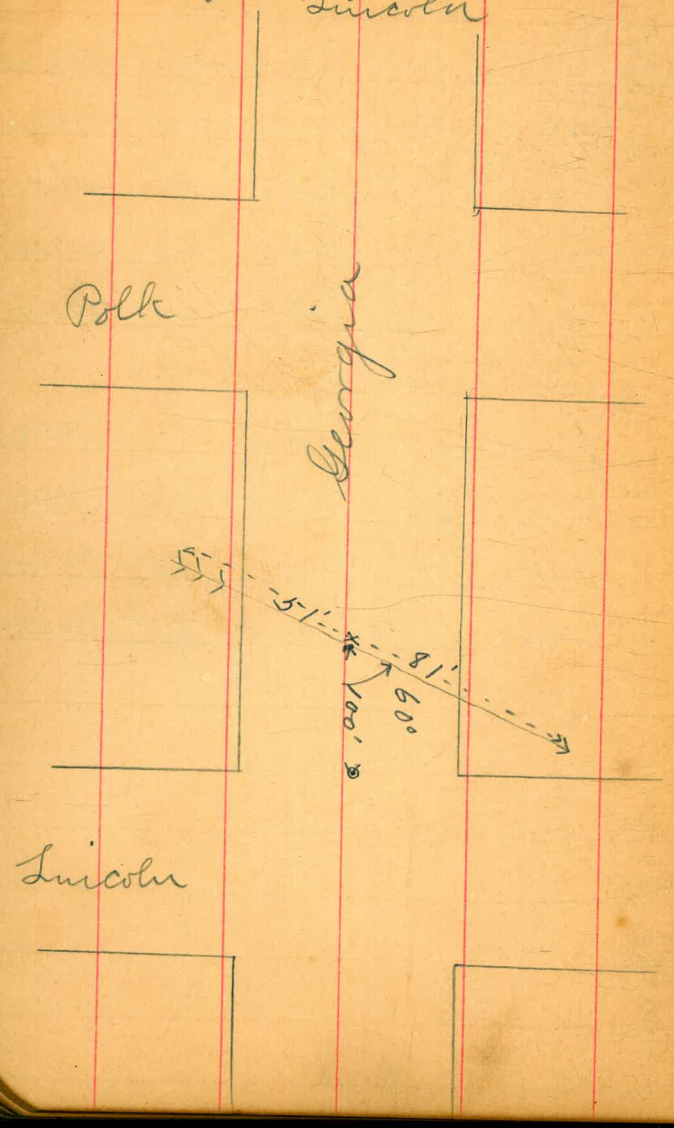
W		Ctr		E	
4.7	313.3	5.1	312.9	4.3	313.7
6.3	311.7	6.6	311.4	5.8	312.2
8.1	309.9	8.4	309.6	7.8	310.2
10.5	307.5	9.9	308.1	9.2	308.8
12.4	305.6	11.5	306.5	10.6	307.4
4.2	303.8	3.0	305.0	2.2	305.8
5.5	302.5	4.3	303.7	3.5	304.5
7.0	301.0	5.4	302.6	4.6	303.4
8.0	300.0	6.5	301.5	5.5	302.5

Sept. 25. 1905

Childs,
Brooks
Hawkins

62

Georgia St. bet Polk & Lincoln



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	98.32	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	75.18	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.		

Return to City Engineer's Office
City Hall, San Diego, Cal.

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