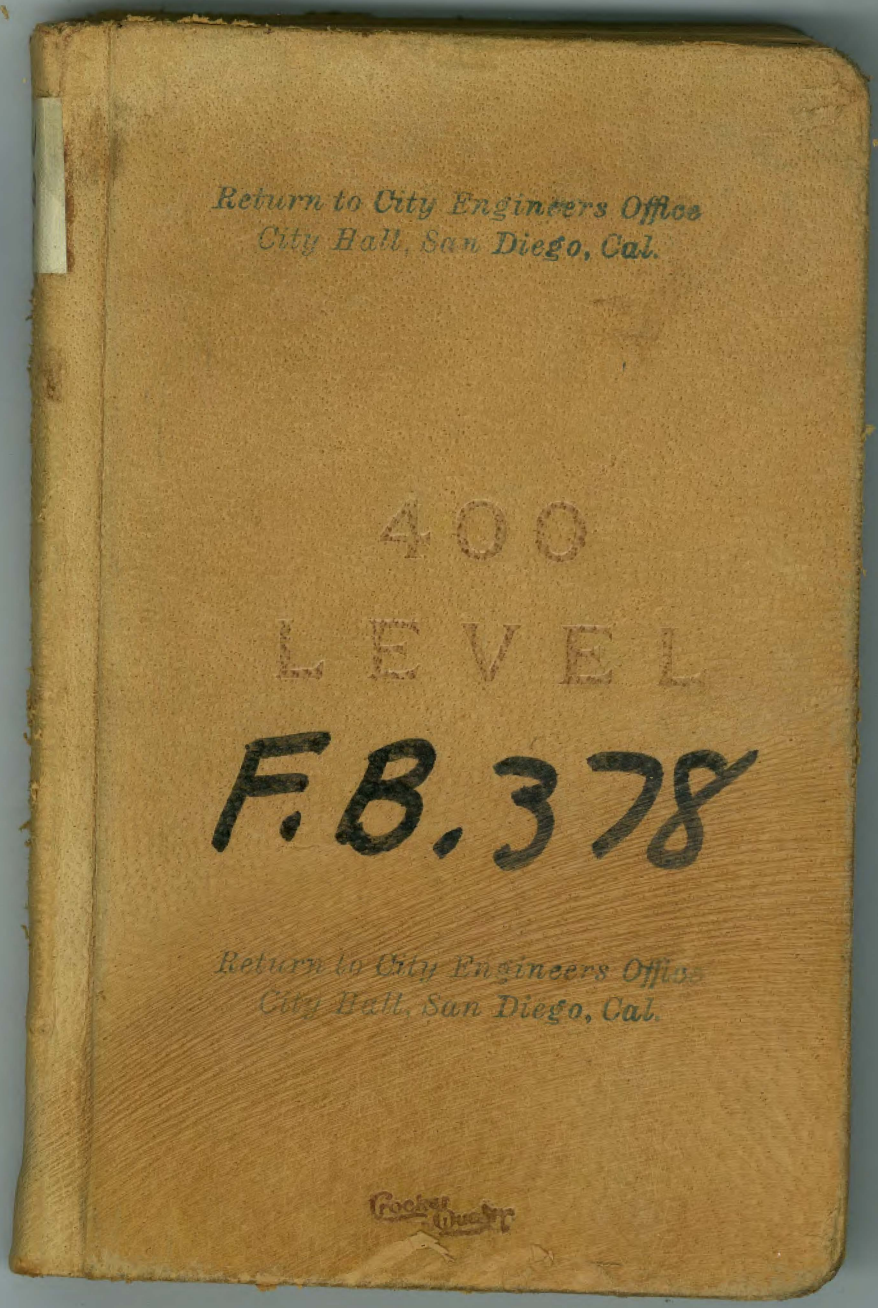
Return to City Engineers Office
City Hall, San Diego, Cal.
400
LEVEL
F.B. 378
Return to City Engineers Office
City Hall, San Diego, Cal.

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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	130⅔
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	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
°		°		°		°	
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

X-section Texas ST University to Park Line 3/16/10 Lemuel Shaw
" 50 wide 14' side walk
5' quarters.
B.M. N.E. Univ & Texas R.R. Spk 312.98

B.M.	4.27	317.25		
		S.T. University		
E			2.9	314.4
Crk			2.8	314.5
"q			3.0	314.3
M			3.6	313.7
"q			3.8	313.5
Crk			4.1	313.2
W			4.6	312.7
		0+75 S of Univ		
W			4.8	312.5
Crk			4.4	312.9
"q			4.2	313.1
M			3.7	313.6
"q			3.2	314.1
Crk			3.0	314.3
E			3.0	314.3

317.3

0+50

E	3.2	314.1
crb	3.7	313.6
1/4	3.8	313.5
M	4.3	313.0
1/4	4.7	312.6
crb	4.8	312.5
W	5.2	312.1

0+75

W	5.6	311.7
crb	5.2	312.1
1/4	5.0	312.3
M	4.4	312.9
1/4	4.1	313.2
crb	4.1	313.2
E	3.8	313.5

1+0

E	4.0	313.3
crb	4.2	313.1
1/4	4.2	313.1
M	4.9	312.4
1/4	5.4	311.9
crb	5.5	311.8
W	5.7	311.6

1+25

W	6.2	311.1
crb	5.5	311.8
1/4	5.3	312.0
M	5.0	312.3
1/4	4.8	312.5
crb	4.8	312.5
E	4.6	312.7

317.3

1+50

E	4.7	312.6
crb	4.9	312.4
1/4	5.2	312.1
M	5.3	312.0
1/4	5.8	311.5
crb	5.9	311.4
W	6.5	310.8

1+75

W	7.0	310.3
crb	6.5	310.8
1/4	6.3	311.0
M	5.8	311.5
1/4	5.6	311.7
crb	5.6	311.7
E	5.4	311.9

2+0

E	6.0	311.3
crb	6.1	311.2
1/4	6.1	311.2
M	6.6	310.7
1/4	7.0	310.3
crb	7.1	310.2
W	7.6	309.7

2+25

W	8.1	309.2
crb	7.6	309.7
1/4	7.4	309.9
M	6.7	310.6
1/4	6.6	310.7
crb	6.5	310.8
E	6.3	311.0

3+7.3

2+50

E	6.5	310.8
crb	6.9	310.4
1/4	6.9	310.4
M	7.2	310.1
1/4	7.7	309.6
crb	7.8	309.5
W	8.5	308.8

2+75

W	9.2	308.1
crb	8.6	308.7
1/4	8.3	309.0
M	7.9	309.4
1/4	7.5	309.8
crb	7.3	310.0
E	7.0	310.3

3+0 = N. Line Wightman St 60' wide

E	8.0	309.3
crb	8.0	309.3
1/4	8.1	309.2
M	8.4	308.9
1/4	9.1	308.2
crb	9.2	308.1
W	9.6	307.7

North Curb

W	9.9	307.4
crb	9.3	308.0
1/4	9.3	308.0
M	8.6	308.7
1/4	8.4	308.9
crb	8.4	308.9
E	8.3	309.0

317.3

North 1/4

E	8.8	308.5
crb	8.6	308.7 +8
1/4	8.8	308.5
M	8.9	308.4
1/4	9.4	307.9
crb	9.5	307.8
W	10.0	307.3 ++

Center

W	10.4	306.9
crb	9.8	307.5
1/4	9.7	307.6
M	9.3	308.0
1/4	9.3	308.0
crb	9.3	308.0
E	9.2	308.1

South 1/4

E	9.7	307.6
crb	9.7	307.6
1/4	9.5	307.8
M	9.7	307.6
1/4	9.9	307.4
crb	10.0	307.3
W	10.4	306.9

South curb

W	10.9	306.4
crb	10.4	306.9
1/4	10.2	307.1
M	9.9	307.4
1/4	9.9	307.4
crb	9.9	307.4
E	10.1	307.2

317.25

South Line of Wightman St

E		10.5	306.8
crb		10.4	306.9
1/4		10.4	306.9
M		10.5	306.8
1/4		10.6	306.7
crb		10.8	306.5
W		11.10	306.2
	0+25 S of Wightman		
W		11.9	305.4
crb		11.7	305.6
1/4		11.7	305.6
M		11.5	305.8
1/4		11.4	305.9
crb		11.4	305.9
E		11.5	305.8

0+50

E			12.9	304.4
crb			12.8	304.5
1/4			12.8	304.5
M			12.9	304.4
1/4			13.0	304.3
crb			13.2	304.1
W			13.4	303.9
T.P.	1.25	305.90	12.60	304.65
		0+75		
W			3.7	302.2
crb			3.7	302.2
1/4			3.8	302.1
M			4.0	301.9
1/4			4.1	301.8
crb			4.1	301.8
E			4.4	301.5

		305.90		
		170		
E			7.5	298.4
crk			7.7	298.2
¼			7.5	298.4
M			7.4	298.5
¼			7.0	298.9
crk			6.9	299.0
W			6.8	299.1
		1+25		
W			11.7	294.2
crk			12.1	293.8
¼			12.4	293.5
M			12.8	293.0
¼			14.5	291.4
crk			14.3	291.6
E			14.3	291.6
T.P.	0.28	293.21	12.97	292.93

		293.21		
		1+50		
-20				
E			9.4	283.8
			9.7	283.5
crk			8.5	284.7
¼			8.5	284.7
M			9.4	283.8
¼			10.6	282.6
crk			10.3	282.9
W			10.0	283.2
+20			10.3	282.9
T.P.	0.71	281.06	12.86	280.35
		1+75		
-20			10.8	270.3
W			10.1	271.0
crk			10.6	270.5
¼			10.4	270.7
M			7.9	273.2
+5			7.3	273.8
¼			11.8	270.3
crk			12.0	269.1
E,			12.6	268.5
+20			10.5	270.6

281.06

2+0

-30	14.3	266.8
E	15.1	266.0
Cole	15.7	265.4
"	16.0	265.1
M	16.7	264.4
"	16.6	264.5
Cole	16.0	265.1
W	16.2	264.9
+30	17.0	264.1

2+25

-30	17.8	263.3
W	16.9	264.2
Cole	13.9	267.2
"	13.1	268.0
M	13.3	267.8
"	14.9	266.7
Cole	14.4	266.7
E	14.2	266.9
+30	14.2	266.9

2+50

-20	7.8	273.3
E	7.3	273.8
Cole	6.0	274.1
"	5.9	275.2
M	6.5	274.6
"	7.1	274.0
Cole	7.3	273.8
W	8.4	272.7
+20	9.8	271.3

2+75

-20	2.3	278.8
W	1.6	279.5
Cole	1.3	279.8
"	1.1	280.0
M	0.5	280.6
"	0.0	281.1
Cole	0.1	281.0
T.P	11.56	292.18
E	8.9	283.3
+20	9.1	283.1

		3+0		
+20			2.0	290.2
E			2.1	290.1
crb			2.4	289.8
¼			2.5	289.7
M			2.7	289.5
¼			3.4	288.8
crb			3.6	288.6
W			5.0	287.2
+20			5.3	286.9
T.P	11.95	303.66	0.47	291.71
		3+25		
+20			11.0	292.7
W			10.6	293.1
crb			9.7	294.0
¼			9.4	294.3
M			8.0	295.7
¼			6.9	296.8
crb			6.9	296.8
E			7.0	296.7
+20			7.4	296.3

		3+50		
E			2.5	301.1
crb			1.8	301.9
¼			1.7	302.0
M			2.0	301.7
¼			2.7	301.0
crb			2.9	300.8
W			3.8	299.9
T.P.	7.34	310.69	0.31	303.35
		3+75		
W			8.9	301.8
curb			8.3	302.4
¼			8.1	302.6
M			7.5	303.2
¼			7.1	303.6
crb			7.2	303.5
E			7.6	303.1

310.7

4+00

E	7.1	303.6
curb	6.8	303.9
1/4	6.9	303.8
M	7.4	303.3
1/4	7.9	302.8
curb	8.0	302.7
W	8.6	302.1

4+25

W	8.4	302.3
curb	7.8	302.9
1/4	7.6	303.1
M	6.9	303.8
1/4	6.7	304.0
curb	6.9	303.8
E	6.9	303.8

4+50

E	6.3	304.4
curb	6.7	304.0
1/4	6.7	304.0
M	6.5	304.2
1/4	7.4	303.3
Crb	7.6	303.1
W	8.5	302.2

4+75

W	8.3	302.5
Crb	7.4	303.3
1/4	7.1	303.6
M	6.6	304.1
1/4	6.4	304.3
Cr	6.4	304.3
E	6.2	304.5

310.7

5+0

E	6.2	304.5
crb	6.2	304.5
¼	6.2	304.5
M	6.4	304.3
¼	6.8	303.9
crb	7.0	303.7
W	7.7	303.0

5+25

W	6.8	303.9
crb	6.0	304.7
¼	5.9	304.8
M	5.6	304.9
¼	5.6	305.1
crb	5.5	305.2
E	5.7	305.0

5+50

E	5.2	305.5
crb	4.7	306.0
¼	4.7	306.0
M	4.4	306.3
¼	4.8	305.9
crb	5.0	305.7
W	5.8	304.9

5+75

W	5.1	305.6
crb	4.0	306.7
¼	3.7	307.0
M	3.2	307.5
¼	3.5	307.2
crb	3.6	307.1
E	4.1	306.6

310.69

6+03.8 = N Line of Landis St 60'

⊠	2.5	308.2
crb	2.4	308.3
¼	2.3	308.4
M	3.1	307.6
¼	4.2	306.5
crb	4.3	306.4
W	5.2	305.5

North Curb

W	5.4	305.3
crb	4.5	306.2
¼	4.2	306.5
M	3.0	307.7
¼	2.4	308.3
Crb	2.4	308.3
E	2.5	308.2

North ¼

⊠	2.8	307.9
curb	2.5	308.2
¼	2.4	308.3
M	3.2	307.5
¼	4.1	306.6
Crb	4.6	306.1
W	5.6	305.1

Center

W	6.1	304.6
Crb	5.2	305.5
¼	4.9	305.8
M	4.0	306.7
¼	3.5	307.2
Crb	3.3	307.4
E	3.5	307.2

310.69

South 1/4

E		4.2	306.5
Crb		4.0	306.7
1/4		4.1	306.6
M		4.3	306.4
1/4		5.4	305.3
Crb		5.5	305.2
W		6.6	304.1

South Curb

W		6.8	303.9
Crb		5.8	304.9
1/4		5.4	305.3
M		4.4	306.3
1/4		4.0	306.7
Crb		4.0	306.7
E		4.2	306.5

South Line Landis

E		4.5	306.2 (3 3)
Crb		4.5	306.2
1/4		4.6	306.1
M		4.9	305.8
1/4		5.8	304.9
Crb		6.2	304.5
W		7.2	303.5 S.W. Cor.
T.P	6.03	309.50	7.22	303.47

0+25 S of Landis.

W		6.7	302.8
Crb		5.8	303.7
1/4		5.5	304.0
M		4.8	304.7
1/4		4.4	305.1 (1.3)
Crb		4.3	305.2
E		4.3	305.2

309.5

2/17 Dunphy
1/9 Shaw
Evans,

	0+50		
E		4.9	304.6
crk		5.1	304.4
"q		5.2	304.3
M		5.3	304.2
"q		6.2	303.3
crk		6.5	303.0
W		7.3	302.2
	0+75		
W		7.8	301.7
crk		7.0	302.5
"q		6.8	302.7
M		5.8	303.7
"q		5.4	304.1
crk		5.3	304.2
E		5.6	303.9

	1+0		
E		6.0	303.5
crk		5.9	303.6
"q		5.9	303.6
M		6.1	303.4
"q		7.2	303.3
crk		7.6	302.9
W		8.6	301.9
	1+25		
W		9.2	300.3
crk		8.5	301.0
"q		7.9	301.6
M		6.3	303.2
"q		6.1	303.4
crk		6.1	303.4
E		6.3	303.2

309.5

1+50

E	6.6	302.9
Crk	6.5	303.0
1/4	6.6	302.9
M	7.3	302.2
1/4	8.9	300.6
Crk	9.3	300.2
W	10.5	299.0

1+75

W	11.3	298.2
Crk	9.8	299.7
1/4	9.4	300.1
M	8.0	301.5
1/4	6.8	302.7
Crk	6.7	302.8
E	6.7	302.8

2+0

E	6.6	302.9
Crk	6.9	302.6
1/4	7.0	302.5
M	8.2	301.3
1/4	9.8	299.7
Crk	10.1	299.4
W	11.8	297.7

2+25

W	13.0	296.5
Crk	11.1	298.4
1/4	10.5	299.0
M	8.9	300.6
1/4	7.4	302.1
Crk	7.2	302.3
E	6.7	302.8

		309.50		
		2+50		
E			7.1	302.4
Crk.			7.7	302.2
"			7.9	301.6
M			9.4	300.1
"			11.6	297.9
Crk			12.2	297.3
W			14.0	295.5
T.P.	4.76	302.71	11.55	297.95
		2+75		
W			8.0	294.7
Crk			6.6	296.1
"			5.9	296.8
M			3.5	299.2
"			1.9	300.8
Crk			1.6	301.1
E,			0.6	302.1

	3+0		
E		1.1	301.6
Crk		2.2	300.5
"		2.8	300.2
M		4.3	298.4
"		6.9	295.8
Crk		7.4	294.8
W		8.8	293.9
	3+25		
W		9.4	294.3
Crk		7.9	294.8
"		7.4	295.3
M		5.0	297.7
"		3.3	299.4
Crk		3.0	299.7
E		1.7	301.0

302.7

3+50

E		2.5	300.2
Cole		3.7	299.0
"9		4.0	298.7
M		6.0	296.7
"9		8.1	294.6
Cole		8.7	294.0
W		9.9	292.8

3+75

W		10.3	292.4
Cole		9.1	293.6
"9		8.6	294.1
M		6.9	296.3
"9		4.7	298.2
Cole		4.3	298.4
E		3.2	299.5

4+0

E		3.9	298.8
Cole		4.8	297.9
"9		5.2	297.5
M		6.8	295.9
"9		9.0	293.7
Cole		9.5	293.2
W		10.8	291.9

4+25

W		11.0	291.7
Cole		9.8	292.9
"9		9.3	293.4
M		7.1	295.0
"9		5.9	296.8
Cole		5.5	297.2
E		4.6	298.1

302.71

4+50

E	5.3	297.4 (4.0)
crk	5.9	296.8
"/4	6.3	296.4
M	8.0	294.7
"/4	10.0	292.7
crk	10.4	292.3
W	11.4	291.3

4+75

W	11.8	290.9
crk	10.7	292.0
"/4	10.1	292.6
M	8.1	294.6
"/4	6.8	295.9
crk	6.4	296.3 (3.9)
E	5.9	296.8 (4.2)

5+0

E	6.5	296.2 (3.9)
crk	6.7	296.0
"/4	6.9	295.8
M	8.3	294.4
"/4	10.4	292.3
crk	10.8	291.9
W	11.7	291.0

5+25

W	12.1	290.6 (1.8)
crk	11.1	291.6
"/4	10.6	292.1
M	8.5	294.2
"/4	7.1	295.6
crk	6.9	295.8
E.	6.8	295.9

302.71

5+50

E	7.1	295.6
Crk	7.2	295.5
"4	7.3	295.4
M	8.5	294.2
"4	10.5	292.2
Crk	11.2	291.5
W	12.5	290.2

5+95

W	12.7	290.0
Crk	11.1	291.6
"4	10.5	292.2
M	8.3	294.4
"4	7.3	295.4
Crk	7.2	295.5
E	7.3	295.4

6+0 = N.L. Dwight 60' wide

E	7.4	295.3 (1.8)
Crk	7.1	295.6
"4	7.1	295.6
M	8.2	294.5 (0.8)
"4	10.8	291.9
Crk	11.4	291.3
W	12.9	289.8

N. Crk

W	13.1	289.6
Crk	11.5	291.2
"4	10.9	291.8
M	8.3	294.4 (0.9)
"4	6.9	295.8
Crk	6.9	295.8
E	7.4	295.3 (1.2)

302.7

N ¼

E	7.4	295.3 (0.9)
curb	7.0	295.7
¼	7.0	295.7
M	8.2	294.5
¼	10.5	291.9
curb	11.6	291.1
W	12.8	289.9

Center

W	12.7	290.0
curb	11.5	291.2 (8.9)
¼	11.1	291.6
M	8.4	294.3
¼	7.0	295.7
curb	7.0	295.7 (1.3)
E	7.5	295.2 (1.3)

S ¼

E	7.5	295.2 (0.5)
curb	7.1	295.6
¼	7.2	295.5
M	8.7	294.0
¼	11.2	291.5
curb	11.7	291.0 (8.6)
W	12.7	290.0

S curb

W	12.8	289.9
curb	11.8	290.9
¼	11.2	291.5
M	8.7	294.0
¼	7.2	295.5
curb	7.1	295.6
E	7.6	295.1

302.71

S.L. Dwight.

E		7.6	295.1
crk		7.2	295.5
"4		7.2	295.5
M		8.7	294.0
"4		11.3	291.4
crk		11.9	290.8
W		13.1	289.6

0+25 S of Dwight

W		13.3	289.4
crk		12.2	290.5
"4		11.5	291.2
M		9.4	293.3
"4		7.9	295.3
crk		7.2	295.5
E		7.4	295.3

0+50

E		7.4	295.3
crk		7.5	295.2
"4		7.9	294.8
M		10.0	292.7
"4		12.0	290.7
crk		12.4	290.5
W		13.6	289.1

0+75

W		14.0	288.7
crk		12.8	289.9
"4		12.5	290.2
M		10.8	291.9
"4		8.6	294.1
crk		8.3	294.4
E		7.6	295.1
T.B	2.03	296.20	8.54	294.17

296.20

170

E	1.5	294.7
Crk	2.4	293.8
"/4	2.8	293.4
M	4.7	291.5
"/4	6.5	289.7
Crk	6.8	289.4
W	7.9	288.3

1725

W	7.9	288.3
Crk	7.1	289.1
"/4	6.6	289.6
M	4.7	291.5
"/4	3.3	292.9
Crk	2.9	293.3
E	2.2	294.0

1750

E	2.7	293.5
Crk	3.1	293.1
"/4	3.5	292.7
M	5.0	291.2
"/4	7.0	289.2
Crk	7.3	288.9
W	7.9	288.3

1775

W	8.0	288.2
Crk	7.2	289.0
"/4	6.7	289.5
M	5.0	291.2
"/4	4.0	292.0
Crk	3.6	292.6
E	3.3	292.9

296.2

2+00

E		4.0	292.2 (9.8)
crk		4.6	291.6 (8.5)
⅓		4.8	291.4 (9.9)
M		6.1	290.1 (7.8)
⅓		7.7	288.5 (6.6)
crk		7.7	288.5
W		8.5	287.7

2+25

W		9.6	286.6
crk		8.9	287.3
⅓		8.6	287.6
M		7.3	288.9
⅓		5.8	290.4
crk		5.5	290.7
E		4.4	291.8

2+50

E		4.3	291.9 (8.1)
crk		6.1	290.1 (7.9)
⅓		6.6	289.6 (7.4)
M		8.0	288.2 (7.1)
⅓		9.1	287.1
crk		9.4	286.8
W		10.1	286.1

2+75

W		10.1	286.1
crk		9.6	286.6
⅓		9.4	286.8
M		8.7	287.5
⅓		7.4	288.8
crk		7.0	289.2
E		5.9	290.3

	296.2		
	3+00		
E		6.5	289.7
Crk		7.6	288.6
″/4		7.6	288.6
M		9.3	286.9
″/4		9.8	286.4
Crk		9.8	286.4
W		10.1	286.1
	3+25		
W		10.7	285.5
Crk		10.7	285.5
″/4		10.6	285.6
M		9.9	286.3
″/4		8.6	287.6
Crk		8.2	288.0
E		7.1	289.0

	3+00		
E		7.6	288.6
Crk		9.0	287.2
″/4		9.5	288.7
M		10.8	285.4
″/4		11.4	284.8
Crk		11.5	284.7
W		11.6	284.6
	3+75		
W		12.5	283.7
Crk		12.3	283.9
″/4		12.2	284.0
M		11.3	284.9
″/4		9.8	286.4
Crk		9.3	286.9
E		7.9	288.3

		4+0		
E		296.20	8.4	287.8
cle			9.7	286.5
½			10.2	286.0
M			11.5	284.7
½			12.6	283.6
cle			12.8	283.4
W			13.4	282.8
T.P.	5.45	290.49	11.16	285.04
		4+25		
W			8.0	282.5
cl			7.1	283.4
¼			6.9	283.6
C			6.0	284.5
¼			4.8	285.7
cl			4.4	286.1
E			3.3	287.2

		4+50		
E			3.7	286.8
cl			4.9	285.6
¼			5.4	285.5
C			6.5	284.0
¼			7.5	283.0
cl			7.8	282.7
W			8.4	282.1
		4+75		
W			8.5	282.0
cl			7.9	282.6
¼			7.6	282.9
C			6.5	284.0
¼			5.5	285.0
cl			5.2	285.3
E			4.0	286.5

290.5

5+00

~~4+50~~

E	3.9	286.6
cb	5.3	285.2
1/4	5.6	284.9
c	7.0	283.5
1/4	7.7	282.8
cb	7.9	282.6
W	8.5	282.0

5+25

W	9.0	281.5
cb	8.2	282.3
1/4	8.1	282.4
c	7.2	283.3
1/4	5.9	284.6
cb	5.4	285.1
E	3.9	286.6 +1

5+50

E	4.1	286.4
cb	5.5	285.0
1/4	5.9	284.6
c	7.4	283.1
1/4	8.3	282.2
cb	8.4	282.1
W	9.0	281.5

5+75

W	9.6	280.9
cb	9.0	281.5
1/4	8.6	281.9
c	7.2	283.3
1/4	5.8	284.7
cb	5.2	285.3
E	3.9	286.6

290.5

6+00 ± N.L. Myrtle 60' wide

E	4.0	286.5
cb	5.2	285.3
1/4	5.7	284.8
c	7.4	283.1
1/4	8.3	282.2
cb	8.7	281.8
W	9.8	280.7

N. curb

W	9.9	280.6
cb	8.9	281.6
1/4	8.7	281.8
c	7.4	283.1
1/4	5.7	284.8
cb	5.2	285.3
E	3.9	286.6

N. 1/4

E	3.8	286.7
cb	5.1	285.4
1/4	5.6	284.9
c	7.4	283.1
1/4	8.7	281.8
cb	9.1	281.4
W	9.9	280.6

ct

W	9.7	280.8
cb	8.9	281.6
1/4	8.5	282.0
c	7.3	283.2
1/4	5.5	285.0
cb	5.1	285.4
E	3.8	286.7

290.5

S 1/4

E	3.9	286.6
cb	5.1	285.4
1/4	5.6	284.9
c	7.5	283.0
1/4	8.7	281.8
cb	9.0	281.5
w	9.5	281.0

S cb

w	9.7	280.8
cb	8.8	281.7
1/4	8.7	281.8
c	7.4	283.1
1/4	5.6	284.9
cb	5.4	285.4
E	4.0	286.5

S LINE MYRTLE 60' WIDE

E	4.1	286.4
cb	5.2	285.3
1/4	5.6	284.9
c	7.5	283.0
1/4	8.8	281.7
cb	9.2	281.3
w	9.9	280.6

0+25

w	9.9	280.6
cb	9.2	281.3
1/4	8.9	281.6
c	7.4	283.1
1/4	5.7	284.8
cb	5.2	285.3
E	4.3	286.2

290.5

0+50

E	4.6	285.9
cb	5.3	285.2
1/4	5.8	284.7
c	7.4	283.1
1/4	8.7	281.8
cb	9.0	281.5
W	9.6	280.9

0+75

W	9.7	280.8
cb	9.3	281.2
1/4	9.0	281.5
c	7.6	282.9
1/4	6.1	284.4
cb	5.8	284.7
E	5.0	285.5

1+00

E	5.8	284.7
cb	6.2	284.3
1/4	6.4	284.1
c	7.9	282.6
1/4	9.3	281.2
cb	9.5	281.0
W	9.7	280.8

1+25

W	10.3	280.2
cb	9.8	280.7
1/4	9.4	281.1
c	8.2	282.3
1/4	6.9	283.6
cb	6.9	283.6
E	6.2	284.3

290.5

1450

E	6.5	284.0
calc	7.2	283.3
1/4	7.4	283.1
M	8.3	282.2
1/4	9.8	280.7
calc	10.0	280.5
W	10.8	279.7

1475

W	10.6	279.9
calc	9.9	280.6
1/4	9.7	280.8
M	8.3	282.2
1/4	7.7	282.8
calc	7.4	283.1
E	6.9	283.6

1450

E	7.4	283.1
calc	7.8	282.7
1/4	7.9	282.6
M	8.5	282.0
1/4	9.7	280.8
calc	9.9	280.6
W	10.4	280.1

1425

W	10.8	279.7
calc	9.9	280.6
1/4	9.6	280.9
M	8.9	281.6
1/4	8.1	282.4
calc	8.0	282.5
E	7.6	282.9

290.5

2+50

E.	8.2	282.3
Ede	8.4	282.1
"	8.6	281.9
"	9.0	281.5
"	9.4	281.1
Ede	9.6	280.9
W	10.4	280.1

$2+83\frac{6}{}$ on W & $2+84\frac{3}{}$ on E = Bank Line

W	9.8	280.7
Ede	9.3	281.2
"	9.1	281.4
"	9.0	281.5
"	9.2	281.3
Ede	9.2	281.3
E.	9.1	281.4

X-section Texas University to Park, 2/17 Dunkle
" 50' X-section for 24' side walk 1/0 Shaw
" " " " " 5' gutters. Evans.
B.M. N.E. Univ & Texas R.R. sch. 312.98

B.M.	2.23	315.21	
	S.L. University		
W		2.5	312.7
cl-		1.8	313.4
1/4		1.7	313.5
C		1.5	313.7
1/4		1.1	314.1
cl-		1.1	314.1
E		0.8	314.4
	0+25		
E		1.0	314.2
cl-		1.1	314.1
1/4		1.3	313.9
C		1.7	313.5
1/4		2.0	313.2
cl-		2.1	313.1
W		2.7	312.5
	0+50		
W		3.1	312.1
cl-		2.6	312.6
1/4		2.4	312.8
C		2.2	313.0
1/4		2.1	313.1
cl-		1.9	313.3
E		1.1	314.1
	0+75		
E		1.7	313.5
cl-		2.2	313.0
1/4		2.2	313.0
C		2.4	312.8
1/4		2.7	312.5
cl-		2.9	312.3
W		3.5	311.7

315.2

	1+00		
w		3.6	311.6
cl		3.2	312.0
1/4		3.0	312.2
c		2.8	312.4
1/4		2.5	312.7
cl		2.2	313.0
E		1.9	313.3
	1+25		
E		2.5	312.7
cl		2.7	312.5
1/4		2.7	312.5
c		2.9	312.3
1/4		3.0	312.2
cl		3.1	312.1
w		4.1	311.1

	1+50		
w		4.5	310.7
cl		3.5	311.7
1/4		3.4	311.8
c		3.2	312.0
1/4		3.1	312.1
cl		3.1	312.1
E		2.6	312.6
	1+75		
E		3.4	311.8
cl		3.3	311.9
1/4		3.4	311.8
c		3.7	311.5
1/4		3.9	311.3
cl		4.1	311.1
w		5.0	310.2

315.2

2+00

w	5.5	309.7
cb	4.7	310.5
1/4	4.5	310.7
c	4.5	310.7
1/4	4.2	311.0
cb	4.0	311.2
E	3.9	311.3

2+25

E	4.3	310.9
cb	4.4	310.8
1/4	4.3	310.9
c	4.7	310.5
1/4	4.9	310.3
cb	5.1	310.1
w	6.0	309.2

2+50

w	6.5	308.7
cb	5.6	309.6
1/4	5.2	310.0
c	5.2	310.0
1/4	4.9	310.3
cb	4.8	310.4
E	4.4	310.8

2+75

E	4.9	310.3
cb	5.5	309.7
1/4	5.6	309.6
c	5.9	309.3
1/4	6.1	309.1
cb	6.2	309.0
w	7.1	308.1

315.2

3+00 = N. LINE Wightman st.

w		7.5	307.7
cb		7.0	308.2
1/4		6.9	308.3
c		6.4	308.8
1/4		6.1	309.1
cb		6.0	309.2
E		5.9	309.3
	N cb		
E		6.2	309.0
cb		6.4	308.8
1/4		6.5	308.7
c		6.6	308.6
1/4		7.0	308.2
cb		7.3	307.9
w		7.8	307.4

N 1/4

w		7.9	307.3
cb		7.3	307.9
1/4		7.4	307.8
c		6.9	308.3
1/4		6.9	308.3
cb		6.9	308.3
E		6.7	308.5
	℄		
E		7.2	308.0
cb		7.2	308.0
1/4		7.1	308.1
c		7.2	308.0
1/4		7.3	307.9
cb		7.6	307.6
w		8.3	306.9

3152

5 1/4

W	8.4	306.8
cb	7.8	307.4
1/4	7.7	307.5
C	7.7	307.5
1/4	7.5	307.7
cb	7.5	307.7
E	7.6	307.6

S cb

E	8.0	307.2
cb	7.8	307.4
1/4	7.8	307.4
C	7.8	307.4
1/4	8.1	307.1
cb	8.2	307.0
W	8.7	306.5

S Line Wightman

W	9.0	306.2
cb	8.6	306.6
1/4	8.6	306.6
C	8.4	306.8
1/4	8.2	307.0
cb	8.3	306.9
E	8.4	306.8

0+25

E	9.5	305.7
cb	9.3	305.9
1/4	9.3	305.9
C	9.3	305.9
1/4	9.5	305.7
cb	9.5	305.7
W	9.8	305.4

				2/15/10	Dimpfl, Shaw, Evans,					
		0+50						302.75		
								1+0		
W		315.21	11.3	303.9		W			3.6	299.2
cb			11.1	304.1		cb			4.0	298.8
1/4			11.0	304.2		1/4			4.2	298.6
c			11.0	304.2		c			4.2	298.6
1/4			11.0	304.2		1/4			4.3	298.5
cb			10.9	304.3		cb			4.3	298.5
E			10.7	304.5		E			4.2	298.6
T.P.	0.47	302.75	12.93	302.28				1+25		
		0+75				E			11.1	291.7
E			1.0	301.8		cb			10.7	292.1
cb			0.8	302.0		1/4			10.4	292.4
1/4			0.8	302.0		c			9.4	293.4
c			0.9	301.9		1/4			9.3	293.5
1/4			0.6	302.2		cb			9.2	293.6
cb			0.5	302.3		W			8.6	294.2
W			0.5	302.3		T.P.	0.13	290.18	12.70	290.05

		290.16		
1+50				
−20			7.3	282.9
N			6.9	283.3
Crk			7.7	282.5
"			7.3	282.9
M			6.4	283.8
"			5.8	284.4
Crk			5.4	284.8
E			6.7	283.5
+20			6.4	283.8
T.P.	0.81	278.08	12.91	277.27
1+75				
−20			7.5	272.6
E			9.6	268.5
Crk			7.8	270.3
"			6.5	271.6
+5			4.2	273.9
M			5.1	273.0
"			6.5	271.6
Crk			6.8	271.3
N			7.1	271.0
+20			7.8	270.3

		278.08		
2+0				
−30			14.0	264.1
N			13.0	265.1
Crk			13.3	264.8
"			14.2	263.9
M			13.8	264.3
"			13.9	264.2
Crk			13.6	264.5
E			12.2	265.9
+30			11.3	266.8
2+25				
+30			11.2	266.9
E			11.5	266.6
Crk			11.4	266.7
"			11.2	266.9
M			10.1	268.0
"			9.8	268.3
Crk			10.0	268.1
N			13.9	264.2
−30			14.8	263.3

		278.08		
		2+50		
-20			6.8	271.3
W			5.4	272.7
Crk			3.8	274.3
1/4			3.6	274.5
M			3.3	274.8
1/4			2.9	275.2
Crk			2.9	275.2
E			4.2	273.9
+20			4.7	273.4
T.P.	11.00	288.32	0.76	277.32
		2+75		
-20			6.1	282.2
E			5.9	282.4
Crk			6.9	281.4
1/4			7.2	281.1
M			7.4	280.9
1/4			7.7	280.6
Crk			7.9	280.4
W			8.7	279.6
+20			9.4	278.9
T.P.	13.00	300.49	0.83	287.49

		300.49		
		3+0		
-20			13.3	287.2
W			13.6	286.9
Crk			11.1	289.4
1/4			11.0	289.5
M			11.0	289.5
1/4			10.6	289.9
Crk			10.6	289.9
E			10.4	290.1
+20			10.3	290.2
		3+25		
+20			4.0	296.5
E			3.6	296.9
Crk			3.8	296.7
1/4			4.1	296.4
M			4.7	295.8
1/4			6.1	294.4
Crk			6.2	294.3
W			7.4	293.1
+20			7.8	292.7
T.P.	11.24	311.11	0.62	299.87

311.11

3+50

W	11.3	299.8
Cole	9.6	300.5
1/4	9.4	300.7
M	9.1	302.0
1/4	8.9	301.2
Cole	8.8	301.3
E	9.3	300.8

3+75

E	7.9	303.2
Cole	7.6	303.5
1/4	7.7	303.4
M	7.9	303.2
1/4	8.2	302.9
Cole	8.3	302.8
W	9.3	301.8

4+0

W	9.0	302.1
Cole	8.1	303.0
1/4	8.0	303.1
M	7.6	303.5
1/4	7.3	303.8
Cole	7.2	303.9
E	7.5	303.6

4+25

E	7.3	303.8
Cole	7.1	304.0
1/4	7.2	303.9
M	7.2	303.9
1/4	7.6	303.5
Cole	7.7	303.4
W	8.7	302.4

311.11

4+50

W	8.9	302.2
crk	7.4	303.7
"4	7.3	303.8
M	6.9	304.2
"4	7.0	304.1
crk	7.0	304.1
E	6.7	304.4

4+75

E	6.6	304.5
crk	6.8	304.3
"4	6.7	304.4
M	6.9	304.2
"4	7.3	303.8
crk	7.4	303.7
W	8.6	302.5

5+0

W	8.1	303.0
crk	7.1	304.0
"4	6.9	304.2
M	6.7	304.4
"4	6.6	304.5
crk	6.5	304.6
E	6.7	304.7

5+25

E	6.2	304.9
crk	6.0	305.1
"4	6.0	305.1
M	6.2	304.9
"4	6.3	304.8
crk	6.3	304.8
W	7.2	303.9

311.11

5+50

W	6.2	304.9
Crb	5.1	306.0
¼	5.1	306.0
M	5.0	306.1
¼	4.9	306.2
Crb	4.9	306.2
E	5.5	305.6

5+75

E	4.2	306.9
Crb	3.8	307.3
¼	3.7	307.4
M	3.7	307.4
¼	4.0	307.1
Crb	4.0	307.1
W	5.5	305.6

6+03.8 = N.L. Landis 60' wide

W	5.6	305.5
Crb	4.2	306.9
¼	4.0	307.1
M	3.5	307.6
¼	2.8	308.3
Crb	2.6	308.5
E	2.9	308.2

N. curb

E	3.0	308.1
Crb	2.9	308.2
¼	3.0	308.1
M	3.5	307.6
¼	4.2	306.9
Crb	4.3	306.8
W	5.8	305.3

311.1

N 1/4

W	5.9	305.6
Crk	4.4	306.7
1/4	4.2	306.9
M	3.7	307.4
1/4	3.3	307.8
Crk	3.2	307.9
E	3.2	307.9

Center

E	4.0	307.1
Crk	4.0	307.1
1/4	4.0	307.1
M	4.3	306.8
1/4	4.8	306.3
Crk	5.1	306.0
W	6.5	304.6

S 1/4

W	7.0	304.1
Crk	5.4	305.5
1/4	5.3	305.8
M	4.7	306.4
1/4	4.4	306.7
Crk	4.4	306.7
E	4.6	306.5

S. Crk

E	4.7	306.4
Crk	4.6	306.5
1/4	4.5	306.6
M	4.8	306.3
1/4	5.5	305.6
Crk	5.7	305.4
W	7.2	303.9

311.1

5 L. Landis

W	7.6	303.5
Crk	6.0	305.1
"4	5.8	305.3
M	5.3	305.8
"4	4.9	306.2
Crk	5.0	306.1
E	4.9	306.2

0+25 S of Landis

E	6.0	305.1
Crk	6.1	305.0
"4	6.2	304.9
M	6.4	304.7
"4	6.7	304.4
Crk	6.9	304.2
W	8.9	302.7

0+50

W	7.9	303.2
Crk	7.6	303.5
"4	7.2	303.9
M	6.9	304.2
"4	6.7	304.4
Crk	6.8	304.3
E	6.9	304.2

0+75

E	7.1	304.0
Crk	7.1	304.0
"4	7.2	303.9
M	7.4	303.7
"4	7.7	303.4
Crk	7.9	303.2
W	9.5	301.6

311.11

1+00

W		10.2	300.9
Crh		8.5	302.6
"q		8.2	302.9
M		7.7	303.4
"q		7.5	303.6
Crh		7.5	303.6
E		7.7	303.4

1+25

E		7.9	303.2
Crh		7.8	303.3
"q		7.8	303.3
M		7.9	303.2
"q		8.6	302.5
Crh		9.1	302.0
W		10.9	300.2

1+50

W		12.1	299.0
Crh		10.1	301.0
"q		9.7	301.4
M		8.8	302.3
"q		8.4	302.7
Crh		8.3	302.8
E		8.2	302.9
T.P.	3.23	306.01	8.33	302.78

1+75

E		3.2	302.8
Crh		3.4	302.6
"q		3.6	302.4
M		4.4	301.6
"q		5.2	300.8
Crh		5.6	300.4
W		7.8	298.2

306.01

2+00

W	8.3	297.7
Crk	6.0	300.0
"4	5.6	300.4
M	4.6	301.4
"4	3.8	302.2
Crk	3.7	302.3
E	3.1	302.9

2+25

E	3.2	302.8
Crk	4.2	301.8
"4	4.5	301.5
M	5.4	300.6
"4	6.3	299.7
Crk	6.7	299.3
W	9.6	296.4

2+50

W	10.6	295.4
Crk	7.5	298.5
"4	7.0	299.0
M	5.9	300.1
"4	5.0	301.0
Crk	4.7	301.3
E	3.5	302.5

2+75

E	3.9	302.1
Crk	5.4	300.6
"4	5.8	300.2
M	6.6	299.4
"4	7.6	298.4
Crk	8.3	297.7
W	11.3	294.7

306.01

3+00

W	12.1	293.9
Crb	9.4	296.6
¼	8.7	297.3
M	7.5	298.5
¼	6.5	299.5
Crb	6.0	300.0
E	4.3	301.7

3+25

E	5.0	301.0
Crb	6.8	299.2
¼	7.3	298.7
M	8.4	297.6
¼	9.7	296.3
Crb	10.2	295.8
W	12.7	293.3

3+50

W	13.3	292.7
curb	11.0	295.0
¼	10.6	295.4
M	9.3	296.7
¼	8.3	297.7
crb	7.8	298.2
E	6.8	300.2

3+75

E	6.4	299.6
curb	8.1	297.9
¼	8.8	297.2
M	9.7	296.3
¼	11.0	295.0
crb	11.4	294.6
W	13.5	292.5

306.0

	4+0		
W		13.9	292.1
crb		12.0	294.0
¼		11.6	294.4
M		10.2	295.8
¼		9.3	296.7
crb		8.6	297.4
E		7.2	298.8
	4+25		
E		7.8	298.2
crb		9.2	296.8
¼		9.8	296.2
M		10.9	295.1
¼		12.0	294.0
crb		12.3	293.7
W		14.2	291.8

	4+50		
W		14.7	291.3
crb		13.0	293.0
¼		12.3	293.7
M		11.1	294.9
¼		9.9	296.1
crb		9.8	296.2
E		8.7	297.3
	4+75		
E		9.2	296.8
crb		10.2	295.8
¼		10.6	295.4
M		11.3	294.7
¼		12.4	293.6
crb		13.0	293.0
W		15.0	291.0

		306.0		
		5+0		
W			14.9	291.1
crb			13.5	292.5
1/4			12.7	293.3
M			11.6	294.4
1/4				
crb			10.8	295.2
crb			10.4	295.6
E			9.7	296.3
		5+25		
E			10.0	296.0
crb			10.5	295.5
1/4			10.9	295.1
M			11.8	294.2
1/4			12.9	293.1
crb			13.5	292.5
W			15.4	291.6
T.P	4.76	298.72	12.05	28396

		298.7		
		5+50		
W			8.5	290.2
crb			6.4	292.3
1/4			5.6	293.1
M			4.5	294.2
1/4			3.7	295.0
crb			3.4	295.3
E			3.1	295.6
		5+75		
E			3.3	295.4
crb			3.3	295.4
1/4			3.5	295.2
M			4.2	294.5
1/4			5.5	293.2
crb			6.3	292.4
W			8.8	289.9

298.7

670: N Line Dwight St

W	8.8	289.9
crb	6.5	292.2
¼	5.8	292.9
M	4.1	294.6
¼	3.4	295.3
crb	3.1	295.6
E	3.13	295.4

N. Curb

E	3.4	295.3
crb	3.0	295.7
¼	3.3	295.4
M	4.2	294.5
¼	5.5	293.2
crb	6.3	292.4
W	8.9	289.8

N. ¼

W	8.8,	289.9
crb	6.5	292.2
¼	5.6	293.1
M	4.2	294.5
¼	3.2	295.5
crb	3.0	295.7
E	3.4	295.3

Center

E	3.5	295.2
crb	3.1	295.6
¼	3.4	295.3
M	4.3	294.4
¼	6.0	292.7
crb	6.6	292.1
W	8.7	290.0

298.72

South 1/4

W		8.8	289.9
crb		6.9	291.8
1/4		6.1	292.6
M		4.7	294.0
1/4		3.6	295.1
crb		3.3	295.4
E		3.6	295.1

South Curb

E		3.5	295.2
crb		3.3	295.4
1/4		3.5	295.2
M		4.7	294.0
1/4		6.2	292.5
crb		7.0	291.7
W		8.9	289.8

South line Dwight

W			9.0	289.7
crb			7.1	291.6
1/4			6.5	292.2
M			5.0	293.7
1/4			3.7	295.0
crb			3.3	295.4
E			3.5	295.2
T.R.	2.16	297.34	3.54	295.18
		0+25	5	
E			2.0	295.3
crb			2.2	295.1
1/4			2.7	294.6
M			3.9	293.4
1/4			5.3	292.0
crb			5.7	291.6
W			8.8	289.3

297.34

7/19/10 Dimkle Shaw Evans

0+50			
N	8.2	289.1	
Crk	6.1	291.2	
"g	5.7	291.6	
M	4.7	292.6	
"g	3.4	293.9	
Crk	3.0	294.3	
E	2.0	295.3	
0+75			
E	2.3	295.2	
Crk	3.5	293.5	
"g	4.2	293.1	
M	5.4	291.9	
"g	6.1	291.2	
Crk	6.7	290.6	
W	8.7	288.6	

1+0			
W	9.0	288.3	
Crk	7.1	290.2	
"g	6.7	290.6	
M	5.8	291.5	
"g	4.8	292.5	
Crk	4.3	293.0	
E	2.7	294.6	
1+25			
E	3.4	293.9	
Crk	4.8	292.5	
"g	5.2	292.1	
M	5.9	291.4	
"g	6.7	289.6	
Crk	7.3	290.0	
W	9.1	288.2	

297.3

1+50

W	9.0	288.3
Crk	7.4	289.9
"/4	7.0	290.3
M	6.1	291.2
"/4	5.3	292.0
Crk	5.0	292.3
E	3.8	293.5

1+75

E	4.4	292.9
Crk	5.3	292.0
"/4	5.5	291.8
M	6.3	291.0
"/4	7.3	290.0
Crk	7.6	289.7
W	9.1	288.2

2+00

W	9.6	287.7
Crk	8.4	288.9
"/4	8.1	289.2
M	7.2	290.1
"/4	6.6	290.7
Crk	6.3	291.0
E	5.1	292.2

2+25

E	5.6	291.7
Crk	7.3	290.0
"/4	7.8	289.5
M	8.5	288.8
"/4	9.2	288.1
Crk	9.4	287.9
W	10.6	286.7

297.3

	2+50		
W		11.2	286.1
Crk		10.1	287.2
¼		9.8	286.5
M		9.1	288.2
¼		8.5	288.8
Crk		8.1	289.2
E		6.9	290.9
	2+75		
E		6.9	290.4
Crk		8.9	288.4
¼		9.2	288.1
M		9.8	287.5
¼		10.3	287.0
Crk		10.9	286.9
W		11.2	286.1

	3+0		
W		11.2	286.1
Crk		10.9	286.4
¼		10.8	286.5
M		10.4	286.9
¼		9.7	287.6
Crk		9.1	288.2
E		7.6	289.7
	3+25		
E		8.2	289.1
Crk		10.1	287.2
¼		10.5	286.8
M		11.0	286.3
¼		11.5	285.8
Crk		11.7	285.6
W		11.9	285.4

	297.34		
	3+50		
W		12.7	284.6
Crk		12.4	284.9
⅛		12.4	284.9
M		12.1	285.2
⅛		11.4	285.9
Crk		11.0	286.3
E		8.7	288.6
	3+75		
E		9.1	288.2
Crk		11.4	285.9
⅛		11.8	285.5
M		12.4	284.9
⅛		13.0	284.3
Crk		13.2	284.1
W		13.5	283.5

		4+0		
W			14.6	282.7
Crk			13.4	283.9
⅛			12.9	284.4
M			12.6	284.7
⅛			12.0	285.3
Crk			11.6	285.7
E			9.5	287.8
T. P.	3.67	289.81	11.20	286.14
		4+25		
E			2.7	287.1
Crk			4.5	285.3
⅛			4.9	284.9
M			5.3	284.5
⅛			5.6	284.3
Crk			5.9	283.9
W			7.3	282.5

289.81

4+50

W	7.7	282.1
Crk	6.5	283.3
"/4	6.3	283.5
M	5.7	284.1
"/4	5.2	284.6
Crk	5.0	284.8
E	3.0	286.8

4+75

E	3.4	286.4
Crk	5.2	284.6
"/4	5.4	284.4
M	5.9	283.9
"/4	6.4	283.4
Crk	6.7	283.1
W	7.8	282.0

5+0

W	7.6	282.2
Crk	6.9	282.9
"/4	6.8	282.0
M	6.3	283.5
"/4	5.8	284.0
Crk	5.3	284.5
E	3.2	286.6

5+25

E	3.2	286.6
Crk	5.6	284.2
"/4	6.0	283.8
M	6.6	283.2
"/4	7.0	282.8
Crk	7.2	282.6
W	8.3	281.5

289.8

5+50

W	8.3	281.5
Crk	7.4	282.4
"/	7.1	282.7
M	6.7	283.1
"/	6.0	283.8
Crk	5.7	284.1
E	3.4	286.4

5+75

E	3.2	286.6
Crk	5.7	284.1
"/	6.1	283.7
M	6.5	283.3
"/	7.2	282.6
Crk	7.6	282.2
W	8.9	280.9

6+00 &℄ = N.L. Nly pt. 60'

W	9.1	280.7
Crk	7.5	282.3
"/	7.4	282.4
M	6.7	283.1
"/	6.0	283.8
Crk	5.6	2842
E	3.2	286.6

N. CURVE

E	3.2	286.6
Crk	5.5	284.3
"/	5.9	283.9
M	6.7	283.1
"/	7.4	282.4
Crk	7.7	282.1
W	9.1	280.7

289.8

N ¼

W	9.2	280.6
Crb	7.7	280.1
¼	7.2	280.6
M	6.7	283.1
¼	5.8	284.0
Crb	5.4	284.4
E	3.1	286.7

Center

E	3.1	286.7
Crb	5.5	284.3
¼	5.9	283.9
M	6.5	283.3
¼	7.3	282.5
Crb	7.4	282.4
W	9.0	280.8

S ¼

W	8.8	281.0
Crb	7.7	282.1
¼	7.4	282.4
M	6.7	283.1
¼	5.8	284.0
Crb	5.3	284.5
E	3.2	286.6

S. Curb

E	3.3	286.5
Crb	5.3	284.5
¼	5.7	284.1
M	6.7	283.1
¼	7.5	282.3
Crb	7.8	282.0
W	9.0	280.8

289.8

S. L. Myrtle

W	9.2	280.6
Crb	7.8	282.0
"4	7.5	282.3
M	6.7	283.1
"4	5.7	284.1
Crb	5.3	284.5
E	3.4	286.4

0+25.5

E	3.6	286.2
Crb	5.4	284.4
"4	5.7	284.1
M	6.7	283.1
"4	7.5	282.3
Crb	7.7	282.1
W	9.2	280.8

0+50

W	8.9	280.9
Crb	7.7	282.1
"4	7.5	282.3
M	6.7	283.1
"4	5.9	283.9
Crb	5.4	284.4
E	3.9	285.9

0+75

E	4.3	285.5
Crb	5.7	284.1
"4	6.0	283.8
M	6.9	282.9
"4	7.8	282.0
Crb	8.0	281.8
W	9.0	280.8

289.8

1+00

W	9.0	280.8
Crk	5.5	284.3
¼	8.2	281.6
M	7.3	282.5
¼	6.1	283.7
Crk	5.8	284.0
E	5.1	284.7

1+25

E	5.5	284.3
Crk	6.7	283.1
¼	6.8	283.0
M	7.6	282.2
¼	8.2	281.6
Crk	8.5	281.3
W	9.6	280.2

1+50

W	10.0	279.8
Crk	8.7	281.1
¼	8.3	281.5
M	7.6	282.2
¼	6.9	282.9
Crk	6.6	283.2
E	5.8	284.0

1+75

E	6.2	283.6
Crk	7.1	282.7
¼	7.5	282.3
M	7.6	282.2
¼	8.2	281.6
Crk	8.6	281.2
W	9.9	279.9

289.8

2+00

W	9.7	280.1
Crb	8.7	281.1
"/"	8.3	281.5
M	7.8	282.0
"/"	7.6	282.2
Crb	7.2	282.6
E	6.7	283.1

2+25

E	6.9	282.9
Crb	7.5	282.3
"/"	7.9	281.9
M	8.2	281.6
"/"	8.4	281.4
Crb	8.7	281.1
W	10.0	279.8

2+50

W	9.6	280.2
Crb	8.8	281.0
"/"	8.6	281.2
M	8.3	281.5
"/"	8.1	281.7
Crb	8.0	281.8
E	7.5	282.3

2+83.6 on W 82+84.8 on E = Park Line

E	8.4	281.4
Crb	8.4	281.4
"/"	8.3	281.5
M	8.2	281.6
"/"	8.2	281.6
Crb	8.3	281.5
W	9.1	290.7

1-section Tapes for 60' ct. Taking 10' off each side of original st. 10' sidewalks & 5' gutters.
University To Park Line
E.M. R.R. SPK University & Texas 312.98

B.M.	2.97	315.95	
S.K. University			
E	1.6	314.4	
Crk	1.8	314.2	
"4	1.8	314.2	
M	2.2	313.8	
"4	2.5	313.5	
Crk	2.5	313.5	
W	3.0	313.0	
0+25 S of University			
W	3.3	312.7	
Crk	2.8	313.1	
"4	2.9	313.1	
M	2.5	313.5	
"4	2.0	314.0	
Crk	1.9	314.1	
E	1.9	314.1	

Durkee
Shaw
Evans

315.95		
0+50		
E	2.1	313.9
Crk	2.5	313.5
"4	2.7	313.3
M	3.0	313.0
"4	3.3	312.7
Crk	3.4	312.6
W	3.6	312.4
0+75		
W	4.1	311.9
Crk	3.8	312.2
"4	3.6	312.4
M	3.1	312.9
"4	2.9	313.1
Crk	2.9	313.1
E	2.7	313.3

	315.95		
	140		
E		2.9	313.1
Crk		2.9	313.1
"4		3.1	312.9
M		3.5	312.5
"4		3.9	312.1
Crk		4.1	311.9
W		4.3	311.7
	1425		
W		4.4	311.6
Crk		4.0	312.0
"4		3.8	312.2
M		3.6	312.4
"4		3.6	312.4
Crk		3.5	312.5
E		3.4	312.6

	315.95		
	1450		
E		3.5	312.5
Crk		3.8	312.2
"4		3.9	312.1
M		4.0	312.0
"4		4.3	311.7
Crk		4.5	311.5
W		4.7	311.3
	1475		
W		5.4	310.6
Crk		5.0	311.0
"4		4.8	311.2
M		4.6	311.4
"4		4.2	311.8
Crk		4.1	311.9
E		4.0	312.0

315.95

2+00

E	4.7	311.3
Crb	4.7	311.3
"4	4.8	311.2
M	5.2	310.8
"4	5.4	310.6
Crb	5.6	310.4
W	6.0	310.0

2+25

W	6.5	309.5
Crb	6.2	309.8
"4	5.9	310.1
M	5.5	310.5
"4	5.2	310.8
Crb	5.3	310.7
E	5.0	311.0

315.95

2+50

E	5.3	310.7
Crb	5.5	310.5
"4	5.7	310.3
M	5.8	310.2
"4	6.2	309.8
Crb	6.4	309.6
W	6.8	309.2

2+75

W	7.5	308.5
Crb	7.1	308.9
"4	7.0	309.0
M	6.7	309.3
"4	6.3	309.7
Crb	6.1	309.9
E	5.9	310.1

315.95

3+0 = N. L. Wightman 60'

E	6.5	309.5
Crk	6.7	309.3
1/4	6.8	309.2
M	7.0	309.0
1/4	7.6	308.4
Crk	7.8	308.2
W	8.0	308.0
N. Crk		
W	8.2	307.8
Crk	8.0	308.0
1/4	8.0	308.0
M	7.4	308.6
1/4	7.2	308.8
Crk	7.1	308.9
E	7.1	308.9

315.95

N 1/4

E	7.4	308.6
Crk	7.5	308.5
1/4	7.6	308.4
M	7.7	308.3
1/4	8.1	307.9
Crk	8.2	307.8
W	8.4	307.6
Center		
W	8.6	307.4
Crk	8.4	307.6
1/4	8.2	307.8
M	8.0	308.0
1/4	8.0	308.0
Crk	8.0	308.0
E	8.0	308.0

315.95

5 ½

E	8.3	307.7
Crk	8.3	307.7
½	8.3	307.7
M	8.4	307.6
½	8.5	307.5
Crk	8.6	307.4
W	8.8	307.2

5. Curb

W	9.1	306.9
Crk	8.9	307.1
½	8.9	307.1
M	8.7	307.3
½	8.6	307.4
Crk	8.6	307.4
E	8.8	307.2

315.95

5.4 Wightman

E	9.2	306.8
Crk	9.1	306.9
½	9.0	307.0
M	9.0	307.0
½	9.3	306.7
Crk	9.4	306.6
W	9.5	306.5

2+75 S. of Wightman

W	10.3	305.7
Crk	10.2	305.8
½	10.3	305.
M	10.2	305.8
½	10.1	305.9
Crk	10.1	305.9
E	10.1	305.9

		315.95					304.76		
		0+50 S					1+0		
E			11.5	304.5		E		6.4	298.4
Crk			11.6	304.4		Crk		6.5	298.3
"g			11.6	304.4		"g		6.4	298.4
M			11.6	304.4		M		6.3	298.5
"g			11.7	304.3		"g		6.1	298.7
Crk			11.8	304.2		Crk		5.9	298.9
W			12.0	304.0		W		5.9	298.9
T.P.	1.50	304.76	12.69	303.26			1+25		
		0+75				W		10.8	294.0
W			2.6	302.2		Crk		11.2	293.6
Crk			2.6	302.2		"g		11.3	293.5
"g			2.7	302.1		M		11.4	293.4
M			3.0	301.8		"g		12.3	292.5
"g			3.0	301.8		Crk		12.5	292.3
Crk			3.1	301.7		E		12.7	292.1
E			3.0	301.8		T.P.	0.32	292.44	12.64	292.12

		292.44				273.30			
		1+50				2+0			
					−40			6.6	266.7
E			7.9	284.5	−10			7.9	265.9
Crk			7.6	284.8	E			8.1	265.2
					Crk			8.5	264.8
"			7.6	284.8	"			8.9	264.4
M			8.4	284.0	M			9.2	264.1
					"			8.6	264.7
"			9.7	282.7	Crk			8.3	265.0
Crk			9.9	282.5	W			7.9	265.4
					+10			8.2	265.1
W			9.7	282.7	+40			9.0	264.3
T.P.	0.86	280.86	12.44	250.00					
		1+75				2+25			
−30			10.6	270.3	−40			10.0	263.3
−10			9.9	271.0	−10			9.1	264.2
W			10.2	270.7	W			6.4	266.9
Crk			10.2	270.7	Crk			5.4	267.9
					"			5.4	267.9
"			9.6	271.3	M			5.7	267.6
M			8.0	272.9	"			6.7	266.6
+5			7.3	273.6					
"			10.7	270.2	Crk			6.8	266.5
Crk			12.1	268.9	E			6.8	266.5
					+10			6.8	266.5
E			12.1	268.8	+40			6.8	266.5
+10			12.4	268.5	T.P.	12.42	285.17	0.55	272.75
+30			10.3	270.6					
T.P	4.15	273.30	11.71	269.15					

		285.17		
		2+50		
−30			11.9	273.3
−10			11.4	273.8
E			9.9	275.3
Crlr			10.0	275.2
¼			10.0	275.2
M			10.3	274.9
¼			10.7	274.5
Crlr			11.1	274.1
W			11.4	273.8
+10			12.6	272.6
+30			14.0	271.2
		2+75		
−30			6.3	278.9
−10			5.6	279.6
W			5.4	279.8
Crlr			5.2	280.0
¼			5.0	280.2
M			4.3	280.9
¼			3.9	281.3
Crlr			3.9	281.3
E			3.1	282.1
+10			2.9	282.3
+30			3.1	282.1
T.P.	12.36	297.10	0.43	284.74

		297.10		
		3+0		
+30			6.9	290.2
−10			7.0	290.1
E			7.4	289.7
Crlr			7.4	289.7
¼			7.5	289.6
M			7.3	289.8
¼			8.0	289.1
Crlr			7.8	289.3
W			8.8	288.3
+10			9.9	287.2
+30			10.1	287.0
		3+25		
−30			4.4	292.7
−10			4.0	293.1
W			3.4	293.7
Crlr			2.8	294.3
¼			2.6	294.5
M			1.3	295.8
¼			0.5	296.6
Crlr			0.4	296.7
E			0.1	297.0
+10			0.4	296.7
+30			0.8	296.3
T.P.	11.72	308.56	0.26	296.84

	308.56			
	3+50			
E		6.9	301.7	
Crk		6.8	301.8	
1/4		6.8	301.8	
M		6.9	301.7	
1/4		7.4	301.2	
Crk		7.6	301.0	
W		8.2	300.4	
	3+75			
W		6.3	302.3	
Crk		6.0	302.6	
1/4		5.8	302.8	
M		5.4	303.2	
1/4		5.0	303.6	
Crk		5.0	303.6	
E		5.1	303.5	

	308.56			
	4+0			
E		4.7	303.9	
Crk		4.8	303.8	
1/4		4.8	303.8	
M		5.2	303.4	
1/4		5.6	303.2	
Crk		5.6	303.2	
W		6.0	302.6	
	4+25			
W		5.9	302.7	
Crk		5.5	303.1	
1/4		5.2	303.4	
M		4.7	303.9	
1/4		4.6	304.0	
Crk		4.6	304.0	
E		4.6	304.0	

	308.56		
	4+50		
E	4.3	304.3	
crk	4.6	304.0	
"q	4.5	304.1	
M	4.4	304.2	
"q	4.9	303.7	
crk	5.2	303.4	
W	5.6	303.0	
	4+75		
W	5.5	303.1	
crk	5.0	303.6	
"q	4.9	303.7	
M	4.4	304.2	
"q	4.3	304.3	
crk	4.3	304.3	
E	4.2	304.4	

	308.56		
	5+0		
E	4.0	304.6	
crk	4.0	304.6	
"q	4.0	304.6	
M	4.2	304.4	
"q	4.5	304.3	
crk	4.7	303.9	
W	5.0	303.6	
	5+25		
W	4.1	304.5	
crk	3.8	304.8	
"q	3.8	304.8	
M	3.6	305.0	
"q	3.5	305.1	
crk	3.5	305.1	
E	3.5	305.1	

308.56

5+50

E			2.6	306.0
Crb			2.5	306.1
¼			2.4	306.2
M			2.4	306.2
¼			2.6	306.0
Crb			2.7	305.9
W			3.1	305.5
		5+75		
W			2.1	306.5
Crb			1.5	307.1
¼			1.4	307.2
M			1.1	307.5
¼			1.2	307.4
Crb			1.2	307.4
E			1.5	307.1
T.P.	0.69	309.04	0.21	308.35

309.04

6+03 = N.L. Landis 5' 60 wide

E			0.7	308.3
Crb			0.6	308.4
¼			0.7	308.3
M			1.5	307.5
¼			2.2	306.8
Crb			2.3	306.7
W			2.7	306.3
		N. curb		
N			2.9	306.1
Crb			2.4	306.6
¼			2.2	306.8
M			1.5	307.5
¼			0.8	308.2
Crb			0.7	308.3
E			0.6	308.4

309.04

N 1/4

E	0.9	308.1
Crb	0.9	308.1
1/4	1.2	307.8
M	1.7	307.3
1/4	2.3	306.7
Crb	2.5	306.5
W	3.2	305.8

Center

W	3.9	305.1
Crb	3.3	305.7
1/4	3.0	306.0
M	2.3	306.7
1/4	1.9	307.1
Crb	1.9	307.1
E	1.8	307.2

309.04

S 1/4

E	2.5	306.5
Crb	2.3	306.7
1/4	2.4	306.6
M	2.7	306.3
1/4	3.5	305.5
Crb	3.7	305.3
W	4.3	304.7

S. Curb

W	4.4	304.6
Crb	3.8	305.2
1/4	3.6	305.4
M	2.7	306.3
1/4	2.5	306.5
Crb	2.6	306.4
E	2.5	306.5

309.09

S. L. Landis St

E	2.9	306.1
Crk	2.8	306.2
1/4	2.8	306.2
M	3.2	305.8
1/4	3.9	305.1
Crk	4.2	304.8
W	4.8	304.2

0+25 S. of Landis

W	5.5	303.5
Crk	5.0	304.0
1/4	4.8	304.2
M	4.3	304.7
1/4	4.0	305.0
Crk	4.0	305.0
E	3.9	305.1

309.09

0+50

E	4.5	304.5
Crk	4.8	304.2
1/4	4.7	304.3
M	4.8	304.2
1/4	5.5	303.5
Crk	5.7	303.3
W	6.4	302.6

0+75

W	6.7	302.3
Crk	6.2	302.8
1/4	5.9	303.1
M	5.4	303.6
1/4	5.1	303.9
Crk	5.0	304.0
E	5.0	304.0

	309.04		
	1+0		
E		5.5	303.5
Crk		5.5	303.5
¼		5.5	303.5
M		5.8	303.2
¼		6.5	302.5
Crk		6.7	302.3
W		7.5	301.5
	1+25		
W		8.3	300.7
Crk		7.4	301.6
¼		7.0	302.0
M		5.9	303.1
¼		5.8	303.2
Crk		5.7	303.3
E		5.7	303.3

	309.04		
	1+50		
E		6.2	302.8
Crk		6.2	302.8
¼		6.3	302.7
M		6.8	302.2
¼		8.0	301.0
Crk		8.5	300.5
W		9.1	299.9
	1+75		
W		9.6	299.4
Crk		8.9	300.1
¼		8.7	300.3
M		7.6	301.4
¼		6.6	302.4
Crk		6.4	302.6
E		6.3	302.7

		309.04		
		2+00		
E			6.4	302.6
Crk			6.6	302.4
″/4			6.8	302.2
M			7.8	301.2
″/4			9.1	299.9
Crk			9.3	299.7
W			10.0	299.0
		2+25		
W			11.2	297.8
Crk			10.0	299.0
″/4			9.8	299.2
M			8.5	300.5
″/4			7.3	301.7
Crk			7.0	302.0
E			6.7	302.3

		309.04		
		2+50		
E			7.1	301.9
Crk			7.5	301.5
″/4			8.0	301.0
M			9.1	299.9
″/4			10.6	298.4
Crk			11.1	297.9
W			12.9	296.1
		2+75		
W			13.2	295.8
Crk			11.9	297.1
″/4			11.2	297.8
M			9.7	299.3
″/4			8.6	300.4
Crk			8.2	300.8
E			7.5	301.5
T.P.	0.36	301.07	8.33	300.71

301.07			
3+00			
E		0.3	300.8
Crk		1.0	300.1
"		1.4	299.7
M		2.8	298.3
"		4.5	296.6
Crk		5.2	295.9
W		6.2	294.9
3+25			
W		6.7	294.4
Crk		5.7	295.4
"		5.2	295.9
M		3.5	297.6
"		2.0	299.1
Crk		1.7	299.4
E		1.0	300.1

301.07			
3+50			
E		1.7	299.4
Crk		2.5	298.6
"		2.9	298.2
M		4.4	296.7
"		6.0	296.1
Crk		6.4	294.7
W		7.4	293.7
3+75			
W		7.7	293.4
Crk		6.9	294.2
"		6.5	294.6
M		4.8	296.3
"		3.6	297.5
Crk		3.2	297.9
E		2.9	298.7

	301.07 4+00		
E		3.1	298.0
Crk		3.7	297.4
"/"		4.2	296.9
M		5.4	295.7
"/"		7.0	294.1
Crk		7.4	293.7
W		8.2	292.9
	4+25		
W		8.6	292.5
Crk		7.7	293.4
"/"		7.3	293.8
M		6.2	294.9
"/"		4.7	296.4
Crk		4.4	296.7
E		3.7	297.4

	301.07 4+50		
E		4.1	297.0
Crk		4.8	296.3
"/"		4.9	296.2
M		6.4	294.7
"/"		7.6	293.5
Crk		8.2	292.9
W		9.0	292.1
	4+75		
W		9.3	291.8
Crk		8.3	292.8
"/"		7.8	293.3
M		6.4	294.7
"/"		5.5	295.6
Crk		5.2	295.9
E		4.6	296.5

301.07

5+00

E		4.9	296.2
Crk		5.4	295.7
"4		5.7	295.4
M		6.7	294.4
"4		8.1	293.0
Crk		8.7	292.4
W		9.5	291.6

5+25

W		9.9	291.2
Crk		8.8	292.3
"4		8.3	292.8
M		6.9	294.2
"4		5.8	295.3
Crk		5.6	295.5
E		5.2	295.9

301.07

5+50

E		5.5	295.6
Crk		5.8	295.3
"4		6.0	295.1
M		6.9	294.2
"4		8.3	292.8
Crk		8.8	292.3
W		9.7	291.4

5+75

W		9.9	291.2
Crk		8.8	292.3
"4		8.1	293.0
M		6.6	294.5
"4		5.9	295.2
Crk		5.7	295.4
E		5.5	295.6

301.07

6+70=N.L. Dwight. 60' wide

E	5.6	295.5
Cab	5.5	295.6
"A	5.6	295.5
M	6.5	294.6
"A	8.4	292.7
Cab	9.0	292.1
W	10.3	290.8

Continued in book 396 P1

#400.

COMPANY, Stationers, Drawing
truments, etc., San Francisco.

OR TRANSIT BOOK.
distance of 100.

EGREE.		¾ DEGREE.		Degrees.
	Dep.	Lat.	Dep.	
	0.87	99.99	1.31	89
	2.62	99.95	3.05	88
	4.36	99.88	4.80	87
	6.10	99.79	6.54	86
	7.85	99.66	8.28	85
	.58	99.50	10.02	84
	.32	99.31	11.75	83
	05	99.09	13.49	82
	78	98.84	15.21	81
	0	98.56	16.93	80
		98.25	18.65	79
		97.90	20.36	78
		97.53	22.07	77
		97.13	23.77	76
		96.70	25.46	75
		96.25	27.14	74
		.76	28.82	73
		.24	30.49	72
		69	32.14	71
		2	33.79	70
		1	35.43	69
			37.06	68
			38.67	67
			40.27	66
			1.87	65
			.44	64
			01	63
			56	62
				61
				60
				59

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

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	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.		