TRANSIT

398

F. B. 304

H. S. CROCKER COMPANY

DRAWING MATERIALS AND SURVEYING INSTRUMENTS

SAN FRANCISCO

304

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

Roadway 18 Feet Wide. Side Slopes 1 to 1.
For Single Track Excavation.

"Copyright, 1895, by Kueffel & Esser Co."

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

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MICROFILMED
DEC 29 1964

Cross-Sections
of
Diamond, Missouri
and Chalcedony Ave's.
Pacific Beach.

Cross-Section of Diamond Ave - Noyes to Randall
Continued from ~~B 105~~ 301 8/7/04 { Dean, Moore, Emery

	10.95	102.94		91.99 - TP. B113	
	W. Cb. Noyes				
So			15.6		87.3
Cb			13.5		89.4
L			12.0		90.9
C			10.7		90.2
L			10.0		92.9
Cb			8.8		94.1
No			5.9		97.0
	W ½				
No			5.5		97.4
Cb			7.9		95.0
L			8.9		94.0
C			10.1		92.8
L			11.6		91.3
Cb			12.9		90.0
So			15.2		87.7
	Ctr.				
So			14.5		88.4
Cb			11.7		91.2
L			10.8		92.9
C			9.5		93.4
L			8.4		94.5
Cb			7.2		95.7
No			5.6		97.3

POSTED

	E ½				
No			5.5		97.4
Cb			7.0		95.9
L			8.2		94.7
C			8.8		94.1
L			9.7		93.2
Cb			11.3		91.6
So			13.6		89.3
	E Cb				
So			11.8		91.1
Cb			9.7		93.2
L			9.0		93.9
C			7.9		95.0
L			7.4		95.5
Cb			6.6		96.3
No			4.9		98.0
	E line Noyes				
No			3.9		99.0
Cb			5.8		97.1
L			6.3		96.6
C			6.8		96.1
L			7.3		95.6
Cb			8.1		94.8
So			9.9		93.0

10294

75 E of Noyes

So	10.1	92.8
U	7.5	95.4
4	7.0	95.9
C	6.1	96.8
4	6.5	97.4
U	5.5	97.4
No	4.2	98.7
	50 E	
No	4.2	98.7
U	6.4	96.5
4	6.9	96.0
C	8.0	94.9
4	9.1	93.8
U	9.9	93.0
So	11.5	91.4
	75 E	
So	9.0	93.9
U	8.7	94.2
4	8.2	94.7
C	7.4	95.5
4	6.1	96.8
U	6.1	96.8
No	4.1	98.8

Diamond Ave

100 E

No	3.0	99.9
U	4.6	98.3
4	4.8	98.1
C	5.3	97.6
4	5.9	97.0
U	6.0	96.9
So	6.9	96.0
	125 E	
So	6.6	96.3
U	5.0	97.9
4	4.2	98.7
C	3.2	99.7
4	2.6	100.5
U	2.6	100.5
No	1.3	101.6
	150 E	
No	0.7	102.2
U	1.9	101.0
U	2.2	100.7
C	3.1	99.8
4	4.2	98.7
U	5.1	97.8
So	6.9	96.0

175 E of No yos

So	6.8	96.1	
W	5.4	97.5	
H	4.6	98.3	
C	3.6	99.3	
H	2.6	100.3	
We	2.2	100.7	
No	0.5	102.4	

200 E

No	1.2	101.7
W	3.1	99.8
H	3.5	99.4
C	4.0	98.9
H	4.7	98.2
W	5.4	97.5
So	6.9	96.0

225 E

So	7.6	95.3
W	5.9	97.0
H	4.9	98.0
C	4.4	98.5
H	4.1	98.8
W	4.4	98.5
No	2.1	100.8

250 E

No	3.8	99.1
W	5.7	97.2
H	5.2	97.7
C	6.6	97.3
H	6.4	96.5
W	7.5	95.4
So	9.3	93.6

275 E

So	10.8	92.1
W	9.4	93.5
H	8.7	94.2
C	7.8	95.1
H	7.1	95.8
W	7.1	95.8
No	5.3	97.6

300 E

No	6.4	96.5
W	8.1	94.8
H	8.4	94.5
C	8.9	94.0
H	9.7	93.2
W	10.3	92.6
So	11.5	91.4

102.94

325 E of No yes

So			12.1		90.8
U			10.9		92.0
4			10.4		92.5
C			9.7		93.2
4			9.0		93.9
U			8.8		94.1
N.			7.3		95.6
		350 E			
No			8.2		94.7
U			9.4		93.5
4			9.6		93.3
C			10.3		92.6
4			11.0		92.6
U			11.4		91.5
S.			12.3		90.6
T.P.	7.11	98.80	11.25	91.69	
		375 E			
So			8.8		90.0
U			7.8		91.0
4			7.4		91.4
C			6.5		92.3
4			5.6		93.2
U			4.8		94.0
No			3.0		95.8

Diamond Ave

400 E

N.		2.9	95.9
U		4.2	94.6
4		5.2	93.6
C		6.1	92.7
4		7.2	91.6
U		8.0	90.8
S.		9.6	89.2
	425 E		
So		9.6	89.2
U		7.0	91.8
4		6.4	92.4
C		5.7	93.1
4		4.6	94.2
U		3.2	95.6
N.		1.4	97.4
	450 E		
No		0.0	98.8
U		2.6	96.2
4		3.6	95.2
C		5.6	93.2
4		6.4	92.4
U		7.7	91.1
So		9.6	89.2

9.F.F0

	.175 E of N_0 x Os			W. Ctr			
So		10.7	88.1	N.	6.2		9 2 6
Ctr		8.2	90.6	Ctr	7.5		9 1 3
4		6.8	92.0	Ctr	9.2		8 9 6
C		5.9	92.9	C	9.5		8 9 3
4		3.6	95.2	C	11.3		8 7 5
Ctr		2.5	96.3	3Ctr.	12.5		8 6 3
N_0		0.7	98.6		Ctr.		
	500 E. W.L. Olney		98.6	So 4	12.0		8 6 8
N_0		1.4	97.4	Ctr	11.0		87.8
Ctr		2.5	95.3	4	9.5		89.3
4		4.6	94.2	Ctr	8.3		90.5
C		7.0	91.8	N.	7.3		91.5
4		8.8	91.8		E 4		
Ctr		9.5	89.3	N_0	8.0		90.8
So		11.9	86.9	Ctr	9.9		90.8
	W. Ctr.			4	11.4		87.4
So		13.5	85.3	C	12.1		86.7
Ctr		11.9	86 9	3 4	12.9		
4		10.4	88 4		E Ctr		
C		8.8	90.0	Ctr.	12.9		
4		8.1	90 0	N 4	12.1		
Ctr		6.7	93.0	Ctr	11.0		
N_0		4.2	94.6	N_0	9.8		
					E. line Olney		
				N_0	11.0		87.8
				Ctr	12.7		
				4	13.2		
				T.P. 4.57	90.45	12 9	55.88

90.45

W. 4 Olney

S.L.		5.7		84.8
	Ctr.			
S.L		6.1		84.4
Ct.		5.0		85.5
	E 4			
S.L		7.0		83.5
Ct.		6.1		94.4
	E Ct			
S.L		8.0		82.5
Ct		6.2		
So 4		5.2		
	E. line			
Ctr		5.3		85.2
So 4		5.8		
Ct		6.8		
S.L.		8.8		81.7
B.M.		8.85	81.60 Hub SE Olney	
	50' E			
So		8.9		81.6
Ct		7.1		
4		6.1		
C		5.6		84.9
4		4.9		
Ct		4.5		
No		2.7		87.8

Diamond Ave

7

	100 E		
N.		2.1	88.4
Ct		4.0	
4		4.6	
C		5.0	85.5
4		5.9	
Ct		6.7	
So		8.0	82.5
	150 E		
So		6.8	82.7
Ct		6.1	
4		5.8	
C		5.3	85.2
4		4.6	
Ct		4.2	
No		3.0	86.9
	200 E		
No		3.6	86.9
Ct		4.2	
4		4.6	
C		4.4	86.1
4		4.8	
Ct		5.2	
So		5.9	84.6

90.45

250 E of Olney

So	6.5	84.0	
	6.5		
	5.1		
	4.8	85.7	
	4.4		
	4.0		
No	3.5	87.0	

300 E

No	3.6	86.9
	4.3	
	4.6	
	5.1	85.4
	4.8	
	6.2	
So	7.1	83.4

350 E

So	7.3	83.2
	6.5	
	6.2	
	5.8	84.7
	5.5	
	5.1	
No	4.3	86.2

400 E

No	4.7	85.8
	5.2	
	5.7	
	6.0	84.5
	6.5	
	7.0	
No	7.6	82.9

450 E

So	7.8	82.7
	7.0	
	6.6	
	6.2	84.3
	5.8	
	5.2	
No	4.8	85.7

500 E = W. L. Pendelton.

No	5.3	85.2
	6.0	
	6.3	
	6.8	83.7
	7.4	
	7.9	
So	8.7	81.8

90.45

W. Cl. Pendelton

So	9.0	81.5	
"	8.0		
"	7.5		
"	7.0	83.5	
"	6.4		
"	6.0		
No	5.3	85.2	
	W 1/4		
No	5.2	84.9	
"	6.1		
"	6.5		
"	7.1	83.4	
"	7.8		
"	8.3		
So	9.1	81.4	
	Ctr.		
So	9.3	81.2	
"	8.3		
"	7.8		
"	7.2	82.3	
"	6.4		
"	6.2		
No	5.8	84.7	

Diamond Ave

E 1/4

No	5.9	84.6	
"	6.3		
"	6.6		
"	7.3	83.2	
"	7.9		
"	8.5		
So	9.5	81.0	
	E Cl.		
So	9.6	80.9	
"	8.5		
"	8.0		
"	7.6	82.9	
"	6.7		
"	6.5		
No	6.2	84.3	
	E. line Pendelton		
No	7.2	83.3	
"	6.8		
"	7.0		
"	8.1	82.4	
"	8.2		
"	8.8		
So	9.8	80.7	
TP.	7.78	83.48	9.75 80.70

8348

25 E of Pendelton

So	3.1	80.4	
C	2.0	81.3	
4	1.2	82.1	
C	1.9	81.6	
4	1.1	82.4	
C	1.5	82.0	
No	2.9	80.4	
	50 E		
No	5.2	78.3	
C	4.3		
4	3.8		
C	3.6	79.9	
4	2.0		
C	2.3		
So	3.0	80.3	
	75 E		
So	3.2	80.3	
C	3.4		
4	3.9		
C	6.1	77.4	
4	4.5		
C	6.6		
No	7.0	76.5	

100 E

No	6.6	76.9	
C	6.3		
4	9.3		
C	9.8	73.7	
4	8.7		
C	7.4		
So	5.8	77.7	
	135 E		
So	11.9	71.6	
C	12.2		
4	10.9		
C	9.6	73.7	
4	9.9		
C	8.3		
No	6.5	77.0	
	150 E		
No	8.9	74.6	
C	8.9		
4	10.8		
C	11.2	71.9	
C	12.4		
	170 E		
No 4	12.6		
C	11.6		
No 4	14.5	72.0	
TP 0.65	7.34	1779	70.69

71.34

150 E of Pendelton

S.L		4.7	66.6
U.		1.8	
	175 E		
S.L		6.6	65.7
U		2.8	
U		1.7	
C		1.7	69.6
	200 E		
No		4.2	67.1
U		5.1	
U		5.1	
C		5.7	66.6
U		4.4	
U		7.5	
So		8.6	62.7
	225 E		
So		11.6	59.7
U		10.4	
U		9.7	
C		8.7	62.6
U		8.3	
U		7.8	
No		6.9	64.4

Diamond Ave

	250 E		
No		8.6	62.7
U		9.2	
U		9.8	
C		10.2	61.1
U		10.9	
U		11.7	
So		12.8	58.5
	275 E		
So		13.8	57.5
U		12.4	
U		12.0	
C		11.2	60.1
U		10.8	
U		10.3	
No		9.7	61.6
	300 E		
No		9.8	61.5
U		10.8	
U		10.9	
C		11.6	59.7
U		12.4	
U		12.9	
So		14.2	57.1

71.34

325 E of Pendelton

So		12.8	58.5
Cb		11.3	
Lw		10.8	
C		10.7	60.6
Lw		10.0	
Cb		9.8	
No		9.1	62.2
	350'E		
No		8.2	63.1
Cb		8.9	
Lw		8.8	
C		9.4	61.9
Lw		9.4	
Cb		10.4	
So		12.5	58.8
	375'E		
So		12.3	59.0
Cb		10.6	
Lw		9.8	
C		9.1	62.2
Lw		8.6	
Cb		8.3	
No		7.1	64.2

400'E

POSTED

No		6.3	65.0
Cb		7.8	
Lw		8.5	
C		8.8	63.3
Lw		9.8	
Cb		10.7	
So		11.6	59.7
	425'E		
So		9.8	61.5
Cb		8.9	
Lw		8.2	
C		7.3	64.0
Lw		6.5	
Cb		5.7	
No		3.7	67.6
	450'E		
No		0.7	70.6
Cb		3.3	
Lw		4.5	
C		5.5	65.8
Lw		6.3	
Cb		7.1	
So		8.2	63.1

71.3 ✓

475' E of Pendelton

So			5.7		65.6
Cl			4.8		
1/4			3.8		
C			2.9		68.4
1/4			1.3		
T.P.	7.81	76.35	2.80	68.54	Nut S.W. Quincy
		475' E			
Nall.			5.4		
N.L.			3.0		73.4
	500 E = W.L. Quincy				
No			1.1		75.3
Cl			3.1		
1/4			3.9		
C			5.8		70.6
1/4			6.2		
U			7.2		
So			7.8		68.6
	W Cl.				
So			6.9		69.5
U			5.5		
1/4			4.8		
C			5.0		71.4
1/4			3.0		
U			2.6		
No			1.3		75.1

Diamond Ave

W 1/2

No		1.5	
Cl		2.7	
1/4		3.2	
C		5.2	
1/4		4.5	
U		5.4	
So		7.5	
	Ctr		
So		8.3	68.1
U		6.2	
1/4		5.6	
C		6.1	70.3
1/4		3.5	
U		3.1	
No		1.9	74.5
	E 1/2		
No		3.5	72.9
Cl		4.7	
1/4		5.6	
C		6.7	69.7
1/4		7.3	
U		7.7	
So		9.5	66.9

76.35

E Cl.

So	10.5	
Cl	9.0	
4	8.1	
C	7.1	
4	6.9	
Cl	6.5	
No	5.4	

E line Quincy

No	7.2	69.2
Cl	7.8	
4	8.0	
C	7.3	69.1
4	9.1	
Cl	9.5	
So	9.8	66.6

25 E

So	6.4	70.0
Cl	6.1	
4	6.1	
C	6.5	69.9
4	6.5	
Cl	6.8	
No	6.1	70.3

50 E

No	3.1	73.3
Cl	3.1	
4	3.1	
C	4.2	72.2
4	3.2	
Cl	3.6	
So	4.2	72.2

75 E

So	4.6	71.8
Cl	3.8	
4	3.3	
C	3.9	72.5
4	2.7	
Cl	2.7	
No	2.3	74.1

100 E

No	4.8	71.6
Cl	3.7	
4	3.7	
C	4.7	71.7
4	4.2	
Cl	4.8	
So	5.3	71.1

76-35

135 E of Quincy

So	6.0	70.4	
"	5.8		
"	5.4		
C	6.6	69.8	
"	5.2		
"	5.5		
No	8.0	68.4	
150 E			
No	10.6	65.6	
"	9.6		
"	9.0		
C	9.2	67.2	
"	7.9		
"	7.5		
So	7.3	69.1	
175 E			
So	9.8	66.6	
"	11.7		
"	12.1		
C	12.2	64.2	
"	12.3		
"	12.7	63.7	
No			

Diamond Ave

200 E

No	11.8	64.6	
"	13.2		
"	13.9		
C	14.0	62.4	
"	14.5		
"	14.3		
Si	13.6	62.8	
TP	5.46	68.82	12.99 63.36
225 E			
Si	8.6	60.2	
"	8.7		
"	8.1		
C	7.3	61.5	
"	6.8		
"	5.9		
No	3.0	65.8	
250 E			
No	1.6	67.2	
"	1.9		
"	6.4		
C	6.7	62.1	
"	8.1		
"	8.9		
So	10.0	58.8	

68.82

	375 E of Quincy				350 E		
So		10.2	58.6	No		3.6	65.2
"		8.0		"		5.0	
+		6.4		+		5.6	
C		5.7	63.1	C		6.2	62.6
+		4.9		+		6.6	
"		3.3		"		7.3	
No		0.5	68.3	So		8.4	59.9
	300 E				375 E		
No		1.2	67.6	So		8.7	60.1
"		2.8		"		7.8	
+		4.2		+		7.5	
C		4.5	64.3	C		7.2	61.6
+		5.5		+		6.7	
"		6.9		"		5.9	
So		9.6	59.2	No		4.7	64.1
	350 E				400 E		
So		8.9	59.9	No		5.8	63.0
"		6.1		"		7.0	
+		5.4		+		7.6	
C		6.2	63.6	C		7.9	60.9
+		4.5		"		8.4	
"		3.8		"		8.8	
No		2.4	66.4	So		9.2	59.6

68.82

425 E of Quincy

So	10.0	59.8
Cl	9.5	
4	8.8	
C	8.5	60.3
4	7.9	
Cl	7.6	
No	6.3	62.5

450 E

No	6.9	61.9
Cl	8.1	
4	8.3	
C	9.1	59.7
4	9.5	
Cl	10.0	
So	10.8	58.0

475 E

So	11.2	57.6
Cl	10.5	
4	10.0	
C	9.1	59.7
4	8.7	
Cl	8.3	
No	7.4	61.4

Diamond Ave

500 E = W.L. Randall

No	7.9	60.9
Cl	8.7	
4	9.2	
C	9.6	59.2
4	10.2	
Cl	11.0	
So	11.9	56.9

W.Cl.

So	12.2	56.6
Cl	11.5	
4	10.7	
C	10.1	58.7
4	9.6	
Cl	9.4	
No	8.6	60.2

W.L.

No	9.2	59.6
Cl	9.7	
4	10.1	
C	10.6	58.2
4	10.9	
Cl	11.4	
So	12.3	56.5
Bm	11.88	56.94 Hub SW Rd 1.

60.82

Ctr Randall

So	12.3	56.5	
W	11.5		
SW	11.0		
E	10.7	58.1	
NE	10.5		
N	10.1		
No	9.9	58.9	
	E 4		
No	10.3	58.5	
N	10.5		
NW	10.6		
C	10.9	57.9	
SW	11.1		
W	11.6		
So	12.2	56.6	
	E W		
So	12.0	56.8	
W	11.5		
NW	11.2		
C	11.1	57.7	
SW	11.0		
W	10.9		
No	10.9	57.9	

Diamond Dr

E line

No	11.7	57.1
NE	11.6	
NW	11.5	
C	11.5	57.3
SW	11.6	
W	11.6	
So	12.1	56.7

Cross Section of Missouri St - Broadway to the Ocean 8/12/07 {Davis Moore Emery

0.62 97.66 ✓ 97.04 - TP. on Bwdy

W.L. Bwdy

No		7.2	90.5
		{7.7 8.2	
		8.0	
		7.8	89.9
		8.7	
		{8.8 9.3	
So		9.8	87.9
	50 W		
So		10.7	87.0
		{10.6 11.1	
		9.8	
		8.9	88.8
		9.5	
		{9.7 8.9	
Ns		8.3	88.4
	100 W		
No		9.7	88.0
		{10.0 10.5	
		10.4	
		10.0	87.7
		11.1	
		{11.8 12.1	
So		11.8	85.9

POSTED

150 W

So		13.0	84.7
		{12.7 13.1	
		12.3	
		11.3	86.4
		12.0	
		{12.1 11.6	
No		10.8	86.9
	200 W		
No		11.8	85.9
		{12.3 12.8	
		12.6	
		12.0	85.7
		13.1	
		{13.9 13.4	
Si		14.0	83.7
TP	4.88	89.74 ✓	12.80 84.86 ✓
	250 W		
So		6.3	83.4
		{6.0 6.4	
		5.7	
		4.8	84.9
		5.4	
		{5.5 5.0	
No		4.7	85.0

POSTED

89.7 W

300 W of Bridy

N.		4.8	84.9
		5.2	
		5.8	
		5.2	
		5.1	84.6
		6.0	
		6.7	
		6.1	
S.		6.7	83.0

BJD W

S.		6.5	83.2
		5.9	
		6.7	
		5.8	
		5.0	84.7
		6.8	
		6.0	
		5.6	
N.		5.1	84.6

400 W

N.		6.2	84.5
		5.6	
		6.1	
		6.0	
		5.4	84.3
		6.4	
		7.1	
		6.4	
S.		7.0	82.7

JJD W

S.		7.1	82.6
		6.5	
		7.1	
		6.4	
		5.6	84.2
		6.0	
		6.3	
		5.7	
N.		6.2	84.5

SD&W: E.L. Haines

N.		5.5	84.2
		5.8	
		6.3	
		6.1	
		5.5	84.2
		6.6	
		7.2	
		6.6	
S.		7.0	82.7

E. L.

S.		7.0	82.7
		5.9 grits	
		5.4 grits	
		6.5	
		6.1	83.6
		6.2	
		5.6	
		6.2 grits	
N.		5.4	84.3
		5.9 "	

89.74

E ¼

No		5.7	84.0
Cl		5.8	.9
4		5.9	
C		6.0	83.7
4		6.2	
Cl		6.7	
So		7.1	82.6
	Ctr		
Si		6.4	83.3
Cl		6.1	
4		5.9	
C		5.6	84.1
4		5.4	
Cl		5.2	
No		4.8	84.9
	W ¼		
No		5.4	84.3
Cl		5.9	
4		6.0	
C		6.1	83.6
4		6.4	
Cl		6.6	
Si		7.0	82.7

Missouri

W ¼

So	7.9 gutr 7.2	81.8 82.5
Cl	7.4 " 7.0	
4	6.8	
C	6.3	83.4
4	6.3	
Cl	6.3 gutr 5.8	
No	6.0 " 5.5	83.7 84.2
	W. line Haines	
No	5.6	84.1
Cl	6.1 6.5	
4	6.4	
C	5.9	83.8
4	6.8	
Cl	7.2 6.8	
So	7.3	82.4
Bow	7.29	82.45 Hut S.W Haines
	50' W	
So	7.6	82.1
Cl	6.9 7.4	
4	7.0	
C	6.2	83.5
4	6.8	
Cl	6.9 6.5	
No	5.6	84.1

89.74

100 W Maines

No			6.0		83.7
U			{6.7 7.1		
4			7.2		
C			6.7		83.0
4			7.7		
U			{8.2 7.7		
S.			8.1		81.6
T.P.	3.27	84.70	8.31	81.43	

150 W

S.			3.7		81.0
U			{3.2 3.7		
4			3.0		
C			2.0		82.7
4			2.7		
U			{2.4 2.0		
No			1.5		83.2

200 W

No			1.6		83.1
U			{2.4 3.1		
4			2.8		
C			2.2		82.5
4			3.3		
U			{4.1 3.7		
So			4.3		80.4

250 W

So			5.1		79.6
U			{4.9 5.2		
4			4.5		
C			3.7		81.0
4			4.5		
U			{4.4 3.9		
No			3.1		81.6

300 W

No			3.6		81.1
U			{4.2 4.6		
4			4.7		
C			4.3		80.4
4			5.5		
U			{6.1 5.7		
So			6.5		78.2

350 W

So			6.3		78.4
U			{5.7 6.1		
4			5.2		
C			4.0		80.7
4			4.9		
U			{4.8 4.2		
No			3.6		81.1

P470

400 W of Haines

No	3.7	81.0
Cb	{4.2 / 4.6	
4	4.8	
c	4.3	80.4
4	5.6	
Cb	{6.2 / 5.7	
So	6.2	78.5

450 W

So	6.2	78.5
Cb	{5.7 / 6.2	
4	5.5	
c	4.1	80.6
4	4.9	
Cb	{4.9 / 4.3	
No	3.8	80.9

500 W: E. L. Gresham

No	4.0	80.7
Cb	{4.4 / 5.3	
4	4.9	
c	4.3	80.4
4	5.5	
Cb	{6.2 / 5.6	
So	6.2	78.5

Missouri

E Cb

So	6.0	78.7
Cb	{5.8 / 6.2	
4	5.5	
c	4.7	80.0
4	5.0	
Cb	{5.3 / 4.6	
No	4.0	80.7

E 4

No	4.1	80.6
Cb	4.7	
4	5.0	
c	4.9	79.8
4	5.6	
Cb	5.8	
So	6.4	78.3

Ctr.

So	6.3	78.4
4	5.8	
4	5.7	
c	5.1	79.6
4	5.0	
Cb	4.7	
No	4.2	80.5

F4.20

W-L Gresham

No	4.1		80.6
"	4.8		
"	4.9		
C	5.0		79.7
"	5.1		
"	5.8		
So	6.3		78.4
	W Cl.		
S.	6.1		78.3
"	6.7		
"	5.1		
C	5.0		79.7
"	4.9		
"	4.8		
No	4.2		80.5
	W.L.		
No	4.2		80.5
"	4.5		
"	4.7		
C	5.3		79.4
"	3.6		
"	3.7		
So	6.2		78.5
	6.25	78.45	Nw S.W Gresham

50' W

S.	6.5		78.2
"	5.9		
"	5.5		
C	5.3		79.4
"	5.1		
"	4.8		
No	4.2		80.5
	100' W		
N.	4.3		80.4
"	4.8		
"	5.2		
"	5.5		79.2
"	5.7		
"	6.0		
S.	6.7		78.0
T.P.	4.03	82.52	6.21 78.49
	150' W		
S.	4.7		77.8
"	4.1		4
"	3.8		
C	3.2		79.1
"	3.1		
"	2.9		
No	2.4		80.1

P2.52

200 W of Gresham

NL	3.7	79.8	
C	3.3		
4	3.6		
C	4.0	78.5	
4	4.1		
C	4.3		
So	5.0	77.5	
	250 W		
So	5.6	76.9	
C	5.2		
4	5.0		
C	4.1	77.9	
4	4.1		
C	3.9		
No	3.8	79.0	
	200' W		
No	3.5	79.0	
C	4.3		
H	4.5		
C	4.9	77.6	
H	5.0	77.5	
C	5.3		
So	4.1	76.4	

Missouri

307 W

So	6.3	76.2	
C	5.7	76.9	
4	6.2	77.3	
C	6.2	77.3	
4	6.0	77.5	
C	4.8	77.7	
No	3.9	78.6	
	400 W		
No	4.6	77.9	
C	5.2		
4	5.5		
C	5.8	76.7	
4	6.0		
C	6.3		
S1	6.6	75.9	
	450 W		
So	6.6	75.9	
C	6.1		
4	5.8		
C	5.8	76.7	
4	5.6		
C	5.3		
No	4.6	77.9	

POSTED

82.52

570 W = E.L. Fanuel

No	5.4		77.1
	5.7		76.8
	5.5		77.0
	5.6		76.9
	6.1		
	6.6		
So	6.6		75.9
	E. Cl.		
So	7.4		78.1
	6.9		
	6.7		
	6.4		76.1
	6.2		
	5.7		
No	5.0		77.5
	E Lt		
No	6.2		77.3
	6.0		
	6.3		
	6.5		76.0
	6.4		
	6.8		
So	7.4		76.1

Ctr

S.	7.5		75.0
	6.4		
	6.3		
	6.5		76.0
	6.3		
	6.1		
N.	6.5		77.0
	W Cl		
No	5.8		76.7
	6.4		
	6.6		
	6.8		75.7
	6.6		
	6.7		
S.	7.9		74.6
	W Cl		
S.	7.7		74.8
	7.8		
	7.3		
	7.1		75.4
	7.0		
	6.8		
No	6.2		76.3

82.52

W.L. Fanuel

No			6.4		76.1
Cl			7.2		75.3
1/4			7.3		75.2
C			7.2		75.3
1/4			7.8		
Cl			8.0		
So			7.9		74.6
Bm			7.89	74.63	[illegible] S.W. Fanuel
		50 W			
So			9.3		73.2
Cl			8.9		
1/4			8.5		
C			8.3		74.2
1/4			8.2		
Cl			8.1		
No			7.4		75.1
		100 W			
No			8.5		74.0
Cl			8.6		
1/4			9.0		
C			9.6		72.9
1/4			9.6		
Cl			9.7		
So			10.1		72.4
T.P.	2.73	75.47	9.78	72.74	

Missouri

75.47

		150 W			
So			3.6		71.9
Cl			3.0		
1/4			2.9		
C			2.9		72.6
1/4			2.6		
Cl			2.2		
No			2.0		73.5
		200 W			
No			2.5		73.0
Cl			2.7		
1/4			3.1		
C			3.2		72.3
1/4			3.5		
Cl			4.0		
So			4.3		71.2
		250 W			
So			5.2		70.3
Cl			4.4		
1/4			4.3		
C			4.3		71.2
1/4			4.1		
Cl			3.8		
No			2.9		72.6

75.47

30' W. of Tunnel			
No.	3.8	71.7	
Ck	4.5		
"	4.7		
C	4.7	70.8	
"	4.5		
"	4.8		
S.	5.6	69.9	
350 W.			
S.	6.4	69.1	
Ck	6.1		
"	6.0		
C	5.8	69.7	
"	5.6		
"	5.4		
No	4.6	70.9	
400 W			
No.	5.3	70.2	
Ck	6.0		
"	6.2		
C	6.6	68.9	
"	6.6		
"	6.7		
S.	7.3	68.2	

450 W			
S.	7.3	68.2	
"	6.9		
"	6.7		
C	6.6	68.9	
"	6.5		
Ck	6.1		
No.	5.6	69.9	
500 W = E.L. Evarts			
No.	5.6	69.9	
"	6.0		
"	6.4		
C	6.5	69.0	
"	6.7		
"	6.9		
S.	7.3	68.2	
E Ck			
S.	7.4	68.1	
"	7.1		
"	6.9		
C	6.7	68.8	
"	6.5		
"	6.2		
No	5.7	69.8	

75.47

E ½ Everts

N.		5.8	69.7
U		6.3	
4		6.4	
C		6.6	68.9
4		6.9	
U		7.2	
S.		7.5	68.0
	Ctr		
S.		7.5	68.0
U		7.2	
4		6.8	
C		6.6	68.9
4		6.3	
U		6.0	
N.		5.8	69.7
	W ½		
N.		5.7	69.8
U		6.1	
4		6.2	
C		6.7	68.8
4		7.0	
U		7.2	
S.		7.7	67.8

Missouri

W Ct

S.		7.6	67.9
U		7.2	
4		7.0	
C		6.7	68.8
4		6.3	
U		6.1	
N.		5.7	69.8
	W. line		
N.		5.9	69.6
U		6.4	
4		6.6	
C		6.9	68.6
4		7.1	
U		7.1	
S.		7.2	68.3
T.P. 2.61	70.89	7.19	68.28 Hut. S W Everts.
	50 W		
S.		3.6	67.3
U		3.2	
4		2.9	
C		2.4	68.5
4		2.2	
U		2.1	
N.		1.6	69.3

		70.89					
		100 W of Everts					
NL			2.3	2.3	68.6		
CL			2.8				
L			3.1				
C			3.5		67.4		
Hp			3.7				
CL			4.0				
So			4.4		66.5		
		150 W					
So			6.0		65.9		
CL			4.7				
L			4.7				
C			4.4		66.5		
L			4.0				
CL			3.7				
No			3.1		67.8		
		200 W					
NL			4.0		66.9		
CL			4.7				
L			5.0				
C			5.4		65.5		
L			5.7				
CL			6.0				
S.			6.4		64.5		

			250 W				
So			7.2		63.7		
CL			6.6				
L			6.2				
C			5.7		65.2		
L			5.4				
CL			5.4				
NL			5.0		65.9		
		300 W					
NL			5.9		65.0		
CL			6.4				
L			6.6				
C			7.0		63.9		
L			6.9				
CL			7.5				
S.			8.0		62.9		
		350 W					
So			8.7		62.2		
CL			8.1				
L			7.7				
C			7.7		63.2		
L			7.4				
CL			7.1				
No			6.9		64.2		

POSTED

70.89

400 W of Events

No	7.9	63.0
a	8.1	
4	8.0	
C	8.3	62.6
4	8.4	
a	8.9	
So	9.3	61.6

450 W

So	10.0	60.9
a	9.1	
4	9.0	
C	9.2	61.7
4	9.1	
a	8.9	
No	8.7	62.2

TP 1.80 3.58 9.11 61.70

500' W EL. Downs

No	1.8	61.8
a	2.2	
4	2.3	
C	2.6	61.0
4	2.7	
a	2.8	
So	3.2	60.4

Missouri

6358

E.Ch

So	3.4	60.2
	3.2 gusty	59.4
a	3.1	
4	3.6 "	
	2.6	
C	3.1 "	61.0
	2.4	
4	3.2 "	60.4
	3.1 "	
a	2.2	
	3.0 "	
No	2.1	61.5
	2.5 "	61.1

E H

No	2.0	61.6
a	2.2	
4	2.6	
C	3.0	60.6
4	3.2	
a	3.5	
So	3.6	60.0

CH.

So	3.5	60.1
a	3.1	
4	2.9	
C	2.7	60.9
4	2.5	
a	2.3	
No	2.0	61.6

6.5.58

W of Dawes

No.	2.2	61.4	
Ch	2.6		
4	2.8		
C	3.0	60.6	
4	3.3		
Ch	3.5		
So	3.7	59.9	

W Ch.

	4.5 Gate	59.1	
S.	4.0	59.6	
	4.0 "	59.6	
Ch	3.6	60.0	
4	3.8 "	59.8	
	3.5	60.1	
C	3.6 "	60.0	
	3.0	60.6	
4	3.2 "	60.4	
	2.4	61.2	
	3.0 "	60.6	
Ch	2.4	61.2	
	2.7 "	60.8	
No	2.0	61.2	

W. line.

No.	2.7	60.9	
Ch	3.1	60.5	
4	3.3	60.8	
C	3.7	59.9	
4	3.8	59.8	
Ch	4.1	59.5	
So	4.4	59.2	

50 W

S.	4.7	58.9	
Ch	4.8		
4	4.7		
C	4.5	59.1	
4	4.3		
Ch	4.1		
No	3.5	60.1	

100 W

No	4.8	58.8	
Ch	5.2	58.4	
4	5.4	58.2	
C	5.7	57.9	
4	5.8	57.8	
Ch	5.9	57.7	
S.	6.3	57.3	

150 W

S.	7.1	56.5	
Ch	6.9		
4	6.8		
C	6.7	56.9	
4	6.6		
Ch	6.6		
No	6.3	57.3	

Missouri

63.58

200 W of Dawes

N.	6.6	57.0
"	6.9	
"	7.0	
"	7.2	56.4
"	7.4	
"	7.4	
"	7.8	55.8
S.		

350 W.

S.	8.4	55.2
"	8.1	
"	7.8	
"	7.6	56.0
"	7.5	
"	7.3	
N.	6.8	56.8

300 W

N.	7.2	56.4
"	7.7	
"	7.8	
"	8.0	55.6
"	8.2	
"	8.4	
S.	9.0	54.6

350 W

S.	9.6	54.0
"	9.1	
"	8.8	
"	8.6	55.0
"	8.4	
"	8.2	
N.	7.7	55.9

400 W

N.	8.8	54.8
"	9.1	
"	9.3	
"	9.4	54.2
"	9.5	
"	9.7	
S.	10.1	53.5

450 W

S.	11.0	52.6
"	10.5	
"	10.4	
"	10.2	53.4
"	10.0	
"	9.9	
N.	9.5	54.1
T.P. 2.07	55.92	9.73	53.85 = Mk. N.E. Coss

55.92

500 W. E L Cass.

No	2.1	53.8
Cb	2.5	
L	2.3	
C	2.2	53.7
L	2.3	
Cb	2.9	
So	3.8	52.1

E Cb.

So	4.2	51.7
Cb	{3.4 / 4.0 gutr	
L	{3.2 / 3.6 "	
C	{2.8 / 3.3 "	53.1 / 52.6
L	{2.9 / 3.2 "	
Cb	{2.7 / 3.0 "	
No	{2.1 / 2.5 "	53.8 / 53.4

E L

No	2.3	53.6
Cb	2.9	
L	3.2	
C	3.4	52.5
L	3.7	
Cb	4.0	
So	4.4	51.5

Ctr.

So	4.1	51.8
Cb	3.8	
L	3.6	
C	3.4	52.5
L	3.1	
Cb	2.9	
No	2.3	53.6

W L

No	2.5	53.4
Cb	3.0	
L	3.2	
C	3.5	52.4
L	3.6	
Cb	4.0	
So	4.5	51.4

W. Cb.

So	4.9	51.0
Cb	4.7	
L	4.3	
C	4.2	51.7
L	4.1	
Cb	3.6	
No	3.2	52.7

55.92

	W. Line	Cass.	
No		3.0	52.9
Ch		3.4	
4		3.6	
C		3.9	52.0
4		4.2	
Ch		4.5	
So		5.0	50.9
	50 W		
So		5.3	50.6
Ch		5.1	
4		5.0	
C		4.7	51.2
4		4.4	
Ch		4.2	
No		3.8	52.1
	100 W		
No		4.7	51.2
Ch		5.2	
4		5.4	
C		5.5	50.4
4		5.6	
Ch		5.8	
So		6.2	49.7

Missouri

	150 W		
So		7.1	48.8
Ch		6.7	
4		6.3	
C		5.9	50.0
4		6.0	
Ch		5.8	
No		5.4	50.5
	200 W		
No		6.0	49.9
Ch		6.5	
4		6.6	
C		6.6	49.3
4		7.0	
Ch		7.3	
So		7.9	48.0
	250 W		
So		8.4	47.5
Ch		7.8	
4		7.6	
C		7.5	48.4
4		7.2	
Ch		7.0	
No		6.4	49.5

	55.92		
	30' W of Cor S		
N.		7.0	48.9
"		7.7	
"		8.0	
C		8.3	47.6
"		8.6	
"		8.7	
S.		9.2	46.7
	350' W		
S.		9.7	46.2
"		9.7	
"		9.2	
C		9.1	46.8
"		8.8	
"		8.5	
N.		7.8	48.1
	40' W		
N.		8.3	47.6
"		8.9	
"		9.0	
C		9.2	46.7
"		9.5	
"		9.8	
S.		10.3	45.6

		450 W	
S.		10.8	45.1
"		10.3	
"		10.0	
C		9.7	46.2
"		9.5	
"		9.3	
N.		8.8	47.1
T.P. 2.19	48.73 ✓	9.38	46.5 ✓
		500' W. EL. Bayard	
N.		2.2	46.5
"		2.9	
"		3.1	
C		3.3	45.4
"		3.6	
"		3.7	
S.		4.3	44.4
		E C.	
S.		4.3	44.4
"		3.8	
"		3.6	
C		3.4	45.3
"		3.0	
"		2.9	
N.		2.6	46.1

POSTED

4173

E 4

No	3.0	45.7	
4	3.3		
4	3.5		
0	3.6	45.1	
4	3.8		
4	3.9		
So	4.1	44.6	
	Ctr.		
So	4.0	44.7	
4	3.7		
4	3.7		
C	3.5	45.2	
4	3.3		
4	3.1		
No	3.7	46.0	
	W1 41		
N.	3.1	45.6	
4	3.3		
4	3.5		
C	3.9	44.8	
4	4.2		
4	4.5		
So	4.9	43.8	

Missouri

W. of

S.	4.8	43.9
4	4.3	
4	4.0	
C	3.7	45.0
4	3.5	
4	3.3	
No	3.0	45.7
	W. Nine Bayard	
N.	3.1	45.6
4	3.6	
4	3.7	
C	4.0	44.7
4	4.1	
4	4.3	
So	4.9	43.8
	50 W.	
S.	5.1	43.6
4	4.7	
4	4.5	
C	4.1	44.6
4	4.0	
4	4.1	
No	3.7	45.5

48.73

100 W of Bayard.

No		4.1	44.6
		4.4	44.3
		4.6	
		4.8	43.9
		5.0	
		5.2	
So		5.5	43.2
	100 W		
So		6.1	42.6
		5.5	
		5.4	
		4.9	43.8
		4.9	
		4.8	
No		4.4	44.3
	200 W		
No		4.9	43.8
		5.2	
		5.5	
		5.7	43.0
		5.7	
		6.1	
So		6.5	42.2

250 W

So		6.9	41.8
		6.5	42.2
		6.2	42.5
		5.9	42.8
		5.6	43.1
		5.5	43.2
No		5.1	43.6
	300 W		
No		5.7	43.0
		5.9	
		5.9	
		6.2	42.5
		6.7	
		7.0	
So		7.4	41.3
	350 W		
So		7.6	41.1
		7.3	
		6.9	
		6.8	41.9
		6.5	
		6.5	
No		6.1	42.6

41.73

100 W of Bayard

No			6.1	42.6
U			6.6	
U			6.7	
C			6.9	41.8
U			7.1	
U			7.4	
S.			7.8	40.9
		150 W		
S.			8.2	40.5
U			8.0	
U			7.6	
C			7.4	41.3
U			7.2	
U			7.0	
No			6.5	42.2
		50 W. E.L Allison		
No			8.1	40.6
U			8.1	
U			8.6	
C			8.4	40.3
U			8.6	
U			8.8	
S.			9.4	39.3
T.P.	2.18	41.85	9.06	39.67

Missouri Ave.

41.85

E Ct.

S.		2.2	39.6
Ct		1.7	40.1
U		1.6	40.2
C		1.4	40.4
U		1.2	40.6
Ct		1.0	40.8
No		0.7	41.1
	E U		
No		1.6	40.2
Ct		1.8	
U		2.1	
C		2.2	39.6
U		2.4	
Ct		2.8	
So		3.1	38.7
	5 W of E U. 2' E of Rail		
So		2.9	38.9
Ct		2.5	
U		2.3	
C		2.1	39.7
U		2.0	
U		1.6	
No		1.2	40.6
	Ctr. Top of Rail		
No		0.54	41.31
Ctr		1.26	40.59
So		2.06	39.80

41.85

5' E of W¼ = 2' W of Rail.

No		1.6		40.2
Cl		2.0		
L		2.2		
C		2.5		39.3
L		2.6		
U		2.7		
Si		3.0		38.8
	W L			
So		3.6		38.2
Cl		3.0		
L		2.9		
C		2.7		39.1
L		2.6		
Cl		2.6		
No		2.1		39.7
	W Cl			
No		1.0		40.8
Cl		1.4		
L		1.6		
C		1.8		40.0
L		2.0		
U		2.1		
So		2.6		39.2
BM		2.83		39.02 - Hub S.W. Allison

41.85

Willing Allison

Si		2.8	39.0
Cl		2.3	39.5
L		2.1	39.7
C		1.9	39.9
L		1.7	
U		1.5	
Ni		1.2	40.7
	50 W		
No		1.7	40.1
Cl		2.0	
L		2.2	
C		2.5	39.5
L		2.5	
U		2.6	
So		3.2	38.6
	100 W		
So		3.4	38.2
Cl		3.2	
L		3.1	
C		2.8	39.0
L		2.6	
U		2.4	
No		2.1	39.7

41.85

150 W of Allison

N.		2.9	.9	38.9
C		3.3		
E		3.4		
O		3.6		38.2
L		3.8		
A		3.9		
S.		4.2		37.6
	200 W			
So		4.9		36.9
A		4.6		
T		4.4		
C		4.1		37.7
T		4.0		
A		3.7		
N		3.4		38.4
	250 W			
T.		3.6		38.2
A		4.0		
E		4.3		
C		4.4		37.4
T		4.6		
A		4.8		
S.		6.0		36.8

Missouri

41.85

300 W

S.	5.2		36.6
C	4.9		
E	4.7		
O	4.6		37.2
L	4.5		
A	4.4		
N	5.2		37.6
	325 W. EL. Alley on S.		
E	4.3		37.5
C	4.6		
T	4.7		
C	4.8		37.0
T	4.8		37.0
A	5.0		36.8
S.	5.3		36.5
	345 W. W. L. Alley on S.		
So	5.4		36.4
A	5.1		
T	5.0		
C	5.0		36.8
E	4.9		
A	4.7		
N	4.4		37.4

41.85

375 W of Allison - E.L. Alley on No

No	4.5	37.3
Ub	4.9	
4	4.5	
c	5.1	36.7
4	5.2	
Ub	5.3	
So	5.5	36.3

395 W = W.L. Alley on N

So	5.7	36.1
Ub	5.4	
4	5.2	
c	5.1	36.7
4	5.0	
Ub	4.9	
No	4.6	37.2

450 W

No	4.5	37.3
Ub	4.8	
4	5.1	
c	5.3	36.5
4	5.5	
Ub	5.5	
So	5.8	36.0

Missouri

488.25 W = E.L. of Unnamed St #1

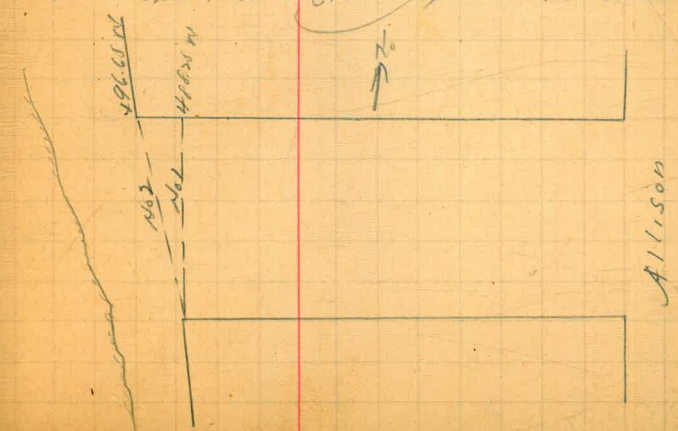
So	5.9	35.9
Ub	5.5	36.3
4	5.3	36.5
c	5.2	36.6
4	5.0	36.8
Ub	4.8	37.0
No	4.4	37.4

496.65 W = E.L. #2

No	4.2	37.6
Ub	4.7	37.1
4	4.6	37.2
C	5.1	36.7
4	5.2	36.6
Ub	5.4	36.4
So	5.9	35.9

T.P. 1.72 38.43 5.14 36.71

Ch R.B.M. Dead & Allison 6.42 → 32.01 32.00 ✓



Cross Section of Missouri St from Lamont
500 West = end of St. 8/14/07 { Dam more Every

	12.44	119.27		106.83 Bow Dm'd & Lamont	
	8.27	125.92	1.62	117.65	
		W.L. Lamont			
So			7.4		118.5
Cl			7.3		
1/4			7.2		
C			7.3		118.6
4			7.2		
Cl			6.9		
No			5.5		120.4
		50 W			
No			5.7		120.2
Cl			5.8		
4			5.9		
C			6.2		119.7
4			6.2		
Cl			6.3		
So			6.7		119.2
		100 W			
So			7.3		118.6
Cl			6.7		
4			6.3		
C			5.5		120.4
4			5.0		
Cl			4.6		
No			4.6		121.3

POSTED

	150 W		
No		4.4	121.5
Cl		4.6	
4		5.1	
C		5.8	120.1
4		6.4	
Cl		6.8	
So		7.4	118.5
	200 W		
So		7.5	118.4
Cl		6.7	
4		6.2	
C		5.5	120.4
4		4.9	
Cl		4.4	
No		3.8	122.1
	250 W		
No		3.7	122.2
Cl		4.6	
1/4		5.4	
C		6.0	119.9
4		6.4	
Cl		6.6	
So		7.4	118.5

12592

360 W of Lamont

So	7.5	118.4
	6.7	
	6.4	
	6.0	119.9
	5.7	
	4.9	
N.	3.7	122.2

350 W

	4.0	121.9
	5.1	
	5.6	
	6.1	119.8
	6.6	
	7.1	
So	7.8	118.1

400 W

So	8.8	117.1
	7.7	
	7.0	
	6.4	119.5
	6.1	
	5.7	
N.	4.8	121.1

15504?

450 W

N.	6.3	119.6
	7.3	
	7.5	
	7.9	118.0
	8.3	
	9.2	
So	9.8	116.1

500 W - End of 54

So	10.8	115.1
	10.0	
	9.5	
	9.1	116.8
	8.6	
	8.3	
N.	7.3	118.6

Cross Section of Missouri St from W.L. Noyes to E.L. of Olney 8/14/07 {Dawn Moore Emery

	12.47	104.46		91.99 - T. Pier Demand	
	12.58	116.85	0.19	104.27	
	6.82	122.03	1.64	115.21	
		W.L. Noyes			
No			5.1		116.9
Ct			5.9		116.1
1/4			6.5		115.5
C			7.4		114.6
1/4			8.5		113.5
Ct			9.0		113.
So			9.8		112.2
		W Ct.			
So			9.1		112.9
Ct			8.3		
1/4			7.8		
C			6.9		115.1
1/4			6.0		
Ct			5.2		
No			4.3		117.7
		W 1/4			
No			4.5		117.5
Ct			5.9		
1/4			6.6		
C			7.3		114.7
1/4			8.2		
Ct			8.5		
So			9.1		112.9

	Ctr.		
So		8.9	113.1
Ct		8.3	
1/4		7.9	
C		7.0	115.0
1/4		6.5	
Ct		5.9	
No		4.5	117.5
	E 1/4		
No		4.5	117.5
Ct		6.0	
1/4		6.6	
C		7.2	114.8
1/4		7.8	
Ct		8.3	
So		9.1	112.9
	E Ct		
So		8.6	113.4
Ct		8.3	
1/4		7.7	
C		6.9	115.1
1/4		6.3	
Ct		5.7	
No		4.2	117.8

12203

E. line Nevers

No	4.6	117.4	
	5.8		
	6.6		
C	7.3	114.7	
	7.5		
	8.4		
So	9.1	112.9	
50 'E			
So	10.3	111.7	
	9.2		
	8.5		
C	8.3	113.7	
	7.7		
	7.2		
No	6.0	116.0	
100 'E			
No	5.9	116.1	
	7.4		
	7.9		
C	8.4	113.6	
	9.0		
	9.2		
So	10.8	111.2	

Missouri

150 'E

So	9.9	112.1	
	8.3		
	7.7		
C	7.4	114.6	
	7.1		
	6.0		
No	5.2	116.8	
200 'E			
No	4.5	117.5	
	5.2		
	6.3		
C	6.9	115.1	
	7.4		
	8.0		
So	9.4	112.6	
250 E			
So	9.8	112.2	
	8.4		
	7.5		
C	7.0	115.0	
	6.5		
	5.4		
No	4.5	117.5	

122.03

300 E of Noyes

No	4.3	117.7
Ct	5.3	
Lt	6.5	
C	7.1	114.9
Lt	7.8	
Ct	8.5	
So	10.3	111.7

350 E of Noyes

So	9.9	112.1
Ct	8.5	
Lt	7.6	
C	7.2	114.8
Lt	7.0	
Ct	6.3	
No	5.4	116.6

400 E

No	7.6	114.4
Ct	8.7	
Lt	9.0	
C	9.1	112.9
Lt	9.0	
Ct	9.0	113.0
So	10.0	112.0

Missouri

450 E

So	12.5	109.5
Ct	11.2	
Lt	10.9	
C	10.4	111.6
Lt	9.8	
Ct	9.2	
No	8.5	113.5

T.P. 290 116.55 8.38 113.65

500 E - W.L. Olney

No	3.7	112.9
Ct	4.7	
Lt	5.3	
C	5.7	110.9
Lt	6.2	
Ct	6.7	
So	7.9	108.7

W.Ct

So	8.0	108.6
Ct	7.0	
Lt	6.5	
C	5.8	110.8
Lt	5.1	
Ct	4.6	
No	3.8	112.8

116.55

W ¼

N.		3.8	1126
¼		4.7	
½		5.3	
c		5.8	110.8
¼		6.1	
½		6.9	
S.		8.1	108 5
	Ctr.		
S.		8.5	108.1
¼		7.3	
½		6.7	
c		6.2	110.4
¼		5.8	
½		5.2	
N.		4.1	1125
	E ¼		
N.		4.0	1126
¼		5.2	
½		5.8	
c		6.4	110.2
¼		6.8	
½		7.3	
S.		8.5	108.1

E ¼

S.		8.4	108.2
¼		7.3	
½		6.9	
c		6.5	110.1
¼		6.0	
½		5.6	
N.		4.8	112.2
	E line		
N.		4.3	112.3
¼		5.4	
½		5.9	
c		6.5	110.1
¼		7.1	
½		7.7	
S.		8.9	107.7

Cross Section of Missouri St. Quincy to eastern extremity. 8/4/07 { Dens / Moore / Emery

	12.56	81.10 ✓		68.54 Bth Hut Dind & Quincy	
	11.70	92.42 ✓	0.38	80.72 ✓	
		W.L. Quincy			
So			3.6		88.8
Ch			2.7		
1/4			2.7		
c			2.2		90.2
1/4			1.7		
Ch			1.7		
No			1.3		91.1
		W Ch			
No			1.5		90.9
Ch			2.8		
1/4			3.8		
c			4.4		88.0
1/4			4.9		
Ch			5.4		
So			6.7		85.7
		W 1/4			
So			7.6		84.8
Ch			6.5		
1/4			5.7		
c			4.8		87.6
1/4			3.9		
Ch			3.0		
No			1.3		91.1

POSTED

	Ctr.			
No		1.3		91.1
Ch		3.3		
1/4		4.0		
c		4.8		87.6
1/4		5.7		
Ch		6.5		
So		7.9		84.5
	E 1/4			
So		7.7		84.7
Ch		6.0		
1/4		5.3		
c		4.5		87.9
1/4		3.7		
Ch		2.7		
No		1.3		91.1
	E Ch.			
No		1.1		91.3
Ch		2.6		
1/4		3.1		
c		3.7		88.7
1/4		4.4		
Ch		5.2		
So		6.7		85.7
Bm		4.42	88.00 Tc	
		Hut S.E Quincy		

POSTED

92.42

Elmo Quincy

So	4.4		88.0
U	3.7		
U	3.3		
C	2.0		89.4
U	2.6		
U	2.1		
No	0.6		91.8
	25 E		
No	0.1		92.3
U	2.2		
U	2.7		
C	3.1		89.3
U	3.6		
U	3.9		
So	4.3		88.1
	50 E		
So	5.0		87.4
U	4.2		
U	3.6		
C	3.4		89.0
U	2.9		
U	2.0		
No	+0.2	92.6	92.6

Missouri

75 E

No	0.9	91.5
U	2.4	
U	3.4	
C	4.1	88.3
U	4.8	
U	5.1	
So	5.5	86.9
	100 E	
So	6.2	86.2
U	5.5	
U	5.2	
C	4.6	87.8
U	4.1	
U	3.5	
No	2.2	90.2
	125 E	
No	2.0	89.4
U	4.4	
U	5.4	
C	5.9	86.5
U	6.4	
U	7.0	
So	7.5	84.9

92.42

	150 E of Quincy				225 E		
So		8.7	83.7	No		7.3	85.1
"		8.0		"		9.7	
"		7.3		"		10.9	
C		6.7	85.7	C		11.6	80.8
"		6.1		"		12.1	
"		5.5		"		12.4	
No		4.6	87.8	So		12.2	80.2
	175 E				250 E		
No		5.7	86.7	So "		13.0	79.4
"		7.0		Ctr		12.1	80.3
"		7.5		"		10.5	
C		8.1	84.3	"		9.5	
"		8.7		No		7.1	85.3
"		9.3			275 E		
So		9.9	82.5	No		6.9	85.5
	200 E			Ct		9.9	
So		11.5	80.9	"		11.5	
"		11.0		Ctr		13.0	79.4
"		10.5			300 E		
C		10.0	82.4	No "		11.9	
"		9.5		Ct.		10.2	
"		8.6		No		7.3	85.1
No		7.0	85.4		325 E		
				No		9.9	82.5
				Ct.		11.7	
				No "		13.1	
				TP. 0.25	79.76 ✓	12.9	79.61 ✓

79.76

250 E of Quincy

So Cr		0.9	
S.L.		1.4	78.4
	275' E of Quincy		
S.L.		2.9	76.9
Cr		2.0	
So 4		1.3	
	300 E		
Ctr		1.2	78.6
4		2.6	
Cr		3.4	
So		4.8	75.0
	325 E		
So		6.7	73.1
Cr		4.8	
4		3.4	
Ctr		2.0	77.8
	350 E		
No		2.2	77.6
Cr		2.4	
4		3.2	
C		4.3	75.5
4		5.3	
Cr		6.7	
So		8.4	71.4

Missouri

375 E

So			11.4	68.4
Cr			9.3	
4			8.5	
C			8.1	71.7
4			7.5	
Cr			7.4	
No			8.8	71.0
TP.	2.85	69.65	12.96	66.80
		400' E		
No			4.4	65.3
Cr			0.7	
4			0.7	
C			1.8	67.9
4			3.3	
Cr			4.1	
So			5.7	64.0
		425' E		
So			9.8	60.0
Cr			8.8	61.0
4			7.8	
C			7.2	62.6
4			7.8	
Cr			7.8	
No			9.0	60.8

6.965

450 E of Quincy

No			13.0	56.7	
W			12.V		
4			12.8		
C			12.0	57.7	
4			12.3		
Ch.			13.V		
11"50 Ch.			14.8		
So			13.6	56.1	
T.S.	0.77	57.96V	12.46	57.19V	

475 E

So			3.8	54.2	
4			7.8		
4			7.8		
C			7.1	50.9	
4			7.3		
W			6.8		
No			6.6	52.4	

500 E = W.L. Randall

No Ch.			13.1	44.9	
4			13.2		
C			13.6	44.4	
4			12.7		
W.			11.2		
So			8.5	49.5	
T.R.	3.4	49.29V	11.71	46.25V	

W.L. Randall

W.L.			6.0	43.3	

49.3

W Ch.

S.			2.9		46.4
W			5.2		
4			6.1		
C			6.2		43.1
4			6.5		
W			8.2		
No			6.3		43.0

W/ 4

No			5.5		43.8
W			7.V		
4			9.8		
C			7.3		42.0
4			7.1		
W			6.V		
So			4.V		44.9

Ctr

So			5.6		43.7
W			7.0		
4			7.5		
0.5 N. Ch.			8.9		40.4
			10.3		
4			8.2		
W			7.6		
No			5.V		43.9

49.29 Missouri

E 1/4

No	6.2		44.1
4	7.5		
4	9.0		
C	10.5		
4	9.1	POSTED 38.8	
4	7.9		
So	6.9		42.4

E Ck

So	7.7		41.6
4	9.6		
4	10.8		
C	9.6		39.7
4	7.6		
4	6.5		
No	6.0		44.3

E line Randall

No	3.5		45.8
4	6.3		
4	7.4		
C	8.2		41.1
4	9.5		
4	10.7		
So	9.2		40.1
Born	9.1	40.1 ✓ Rd-S.E Randall	

Cross-Section of Chalcedony St. from Broadway to the Ocean 8/15/07 } Dans Moore Emery

	4.47	101.5-1		97.04 - T.P. on Bwdy	
		W.L. Bwdy			
So			2.5		99.0
U			2.0		
4			1.6		
c			1.1		100.4
4			0.7		
U			0.4		
No			+0.1	101.6	101.6
		50 W			
No			3.0		98.5
U			3.4		
4			3.5		
c			3.8		97.7
4			4.0		
U			4.2		
So			4.8		96.7
		100 W			
So			6.6		94.9
U			6.1		
4			5.9		
c			5.8		95.7
4			5.5		
U			5.2		
No			4.7		96.8

POSTED

POSTED

	150 W		
No		5.6	95.9
U		6.5	
4		6.6	
c		6.9	94.6
4		7.3	
U		7.6	
So		8.0	93.5
	200 W		
So		9.0	92.5
U		8.2	
4		7.8	
c		7.6	93.9
4		7.3	
U		6.9	
No		6.1	95.4
	250 W		
No		6.9	94.6
U		7.4	
4		8.0	
c		8.1	93.4
4		8.4	
U		8.9	
So		9.5	92.0

101.51

300' W. of B'wdy

So			9.7		91.8
U			9.4		
4			8.7		
C			8.4		93.1
4			8.0		
U			7.6		
N.			7.1		94.4
		350' W			
No			8.0		93.5
U			8.1		
4			8.3		
C			8.7		92.8
4			9.0		
U			9.4		
So			10.1		91.4
T.P.	4.58	96.52 400' W	9.57	91.94	
So			4.9		91.6
U			4.4		
4			3.9		
C			3.5		93.0
4			3.2		
U			2.8		
No			2.5		94.0

96.52

450' W

No	2.0	94.5
U	2.7	
4	3.1	
C	3.8	92.7
4	4.0	
U	4.2	
So	5.1	91.4
	500' W. E L. Haines	
So	5.3	91.2
U	4.3	
4	4.1	
C	3.8	92.7
4	3.4	
U	2.9	
No	2.3	94.2
	E U	
No	2.3	94.2
U	3.2	
4	3.4	
C	3.8	92.7
4	4.1	
U	4.5	
So	{5.3 {5.7 gutter	91.2 90.8

96.52

E. Haines

So		5.2	91.3
U		4.6	
H		4.1	
C		3.7	92.8
H		3.4	
U		3.3	
No		2.3	94.2

CH

No		2.5	94.0
U		3.1	
H		3.5	
C		4.0	92.5
H		4.2	
U		4.5	
So		4.5	92.0

W. L.

So		4.9	91.6
U		4.4	
H		4.0	
C		3.8	92.7
H		3.6	
Cb		3.2	
No		2.2	94.3

Chalcedony

W. Cl.

No		2.7	93.8
U		3.7	
H		4.0	
C		4.2	92.3
H		4.4	
U		4.8	
So		5.4	91.1

W. line

So		5.1	91.4
U		4.5	
H		4.3	
C		3.8	92.7
H		2.9	
U		2.8	
No		2.6	93.9

50 W

No		2.7	93.8
U		3.2	
H		3.4	
C		3.8	92.7
H		4.1	
U		4.4	
So		5.1	91.4

96.52

100 W of Holmes

So		4.8	91.7
Cl		4.0	
4		3.9	
C		3.6	92.9
4		3.2	
Cl		3.1	
No		2.4	94.1

150 W

No		3.1	93.4
Cl		4.1	
4		4.3	
C		4.6	91.9
4		4.9	
Cl		5.0	
So		5.1	91.4

200 W

So		6.1	90.4
Cl		5.9	
4		5.4	
C		4.8	91.7
4		4.3	
Cl		3.9	
No		3.5	93.0

250 W

No		3.9	92.6
Cl		4.4	
4		4.7	
C		5.0	91.5
4		5.3	
Cl		5.6	
So		6.3	90.2

300 W

So		6.5	90.0
Cl		6.0	
4		5.8	
C		5.6	90.9
4		5.1	
Cl		4.9	
No		4.4	92.1

350 W

No		5.0	91.5
Cl		5.5	
4		5.7	
C		6.1	90.4
4		6.6	
Cl		6.9	
So		7.2	89.3
T.P.	3.33	92.77	7.08	89.44

Chalcedony

9277

400 W of Homer

So		3.5	89.3
U		2.9	89.9
L		3.0	89.8
C		5.7	90.1
L		2.3	
U		2.0	
N.		1.2	91.6

450 W

N.		1.6	91.2
U		2.4	
L		2.4	
C		3.0	89.8
L		3.2	
U		2.5	
So		3.8	89.0

500 W; E L. Grosham

S.		3.8	89.0
U		3.1	
L		3.1	
C		2.8	90.0
L		2.1	
U		2.0	
N.		1.6	91.2

E CL

N.		1.6	91.2
U		1.9	
U		2.3	
C		2.9	89.9
L		3.1	
U		3.1	
So		4.0	88.8

E L

So		3.8	89.0
U		3.3	
U		3.1	
C		2.8	90.0
L		2.3	
U		2.1	
No		1.4	91.4

Ctr.

N.		1.2	91.6
U		2.0	
L		2.4	
C		2.8	90.0
L		2.8	
U		2.0	
So		3.7	89.1

92.77

	W ¼			
So		3.9		88.9
U		3.0		
¼		2.6		
C		2.6		90.2
4		2.4		
U		2.2		
No		1.1		91.7
	W. Cl.			
No		1.6		91.2
U		2.4		
4		2.5		
C		2.8		90.0
4		3.1		
U		3.3		
S.		4.0		88.8
	W. Line Gresham			
So		4.0		88.8
U		3.4		
¼		3.0		
C		2.5		90.3
4		2.1		
U		2.0		
No		1.7		91.1
BM.		4.00	88.77 - Hut S. W. Gresham	

	50 W		
No		2.0	90.8
U		2.9	
4		3.0	
C		3.3	89.5
¼		3.5	
U		3.7	
So		4.1	88.7
	100 W		
So		4.7	88.1
U		4.2	
¼		3.3	
C		3.4	89.4
4		3.5	
U		3.3	
No		2.3	90.5
	150 W		
No		3.5	89.3
U		4.0	
4		4.1	
C		4.3	88.5
4		4.1	
U		4.4	
So		5.2	87.6

9277

200 W of Gresham

S.	5.8	87.0	
	5.2		
	5.8		
C	4.5	88.3	
	4.4		
	4.2		
N.	3.1	89.7	
	250 W		
N.	4.6	88.2	
	4.5		
	4.9		
C	5.2	87.4	
	5.2		
	5.9		
S.	6.1	86.7	
	300 W		
S.	6.6	86.2	
	6.3		
	6.3		
C	6.0	86.8	
	5.3		
	4.9		
N	4.8	88.0	

Chalcedony

350 W

N.	5.0	87.8
	5.6	
	6.0	
C	6.3	86.5
	6.1	
	6.8	
S.	6.9	85.9
	400 W	
S.	7.8	85.0
	7.0	
	7.0	
C	6.6	86.2
	6.2	
	5.9	
N.	5.1	87.7
	450 W	
N.	5.5	87.3
	6.1	
	6.4	
C	6.6	86.2
	6.8	
	7.3	
S.	8.2	84.6
T.P. 3.1	87.81	8.08	84.69

87.81

500 W. EL Fanuel

S.		3.6	84.2
U		2.3	
4		1.9	
C		1.8	86.0
4		1.5	
U		1.1	
N.		0.3	87.5
	E Ct		
No		0.9	86.9
U		1.6	
4		1.9	
C		2.2	85.6
4		2.5	
U		3.0	
S.		3.7	84.1
	E 4		
So		3.6	84.2
U		2.9	
4		2.6	
C		2.2	85.6
4		1.7	
U		1.6	
No		0.9	86.9

Ctr

N.		0.8	87.0
U		1.1	
4		1.5	
C		2.3	85.5
4		2.8	
U		2.8	
So		3.7	84.1
	W 4		
S.		4.2	83.6
U		3.4	
4		3.1	
C		2.6	85.2
4		2.0	
U		1.7	
No		0.8	87.0
	W Ct.		
No		1.0	86.8
U		2.2	
4		2.6	
C		2.9	84.9
4		3.2	
U		3.4	
So		3.9	83.9
Bm.		4.25	83.56' Hub S. vv Fanuel

8751

W.L. Fanuel

So	4.2	83.6	
W	3.5		
W	3.2		
W	2.8	85.0	
W	2.3		
W	1.8		
No	1.5	86.3	
	50 W		
No	1.9	85.9	
W	2.5	85.3	
W	3.1		
W	3.3	84.5	
W	3.5		
W	4.0		
So	4.7	83.1	
	100 W		
So	5.7	82.1	
W	5.0		
W	4.2		
W	4.0	83.8	
W	3.6		
W	3.5		
No	2.8	85.0	

Chalcedony

250 W

No	3.2	84.4
W	3.6	
W	3.8	
W	4.8	88.0
W	5.1	
W	5.5	
So	6.2	81.6
	200 W	
So	6.7	81.1
W	6.0	
W	5.8	
W	5.2	82.4
W	4.9	
W	4.6	
No	4.0	83.8
	150 W	
No	4.8	83.0
W	5.5	
W	5.6	
W	6.0	81.8
W	6.3	
W	6.7	
So	7.2	80.6

87.81

300 W of Fanual

S.	8.3	79.5	
	7.7		
	7.5		
	7.2	80.6	
	6.9		
	6.7		
N.	6.3	81.5	
350 W			
N	7.3	80.5	
	7.8		
	8.0		
	8.3	79.5	
	8.5		
	8.7		
S.	9.2	78.6	
400 W			
S.	10.0	77.8	
	9.4		
	9.2		
	9.0	78.8	
	8.8		
	8.5		
N.	8.3	79.5	

452 W

N.	8.6	79.2	
	9.2		
	9.5		
	9.6	78.2	
	9.9		
	10.1		
S.	10.7	77.1	
T.P. 4.45	81.65	10.61	77.20
500 W of L. Evarts			
S.	4.1	79.3	
	3.8		
	3.5		
	3.3	78.4	
	3.0		
	2.9		
N.	2.6	79.1	
E W			
N.	2.7	79.0	
	2.9		
	3.0		
	3.3	78.4	
	3.5		
	3.6		
S.	4.2	77.5	

81.65

E ¼ Everts

So		4.1	77.6
Cb		3.6	
L		3.3	
C		3.2	78.5
L		3.0	
Cb		3.0	
No		2.7	79.0
	Ctr.		
No		2.7	79.0
Cb		3.0	
L		3.1	
C		3.3	78.4
L		3.4	
Cb		3.7	
So		4.1	77.6
	W ¼		
So		4.2	77.5
Cb		3.7	
L		3.6	
C		3.4	78.3
L		3.2	
Cb		3.1	
No		2.6	79.1

Chalcedony

W Ctr.

No		2.6	79.1
Cb		3.3	
L		3.5	
C		3.6	78.1
L		3.8	
Cb		3.9	
So		4.2	77.5
	W line Everts		
So		4.4	77.3
Cb		4.1	
L		3.9	
C		3.6	78.1
L		3.4	
Cb		3.1	
No		2.4	79.3
	50 W		
No		2.6	79.1
Cb		3.4	
L		3.9	
C		4.2	77.5
L		4.5	
Cb		4.9	
So		5.2	76.5

81.65

100 W of Everts

So		5.8	75.9
C		5.5	
4		5.1	
C		5.0	76.7
4		4.4	
C		4.3	
No		3.7	78.0
	150 W		
No		4.5	77.2
C		5.1	
4		5.3	
C		5.8	75.9
4		6.0	
C		6.3	
So		6.9	74.8
	200 W		
So		7.5	74.2
C		6.9	
4		6.6	
C		6.3	75.4
4		5.7	
C		5.6	
No		5.2	76.5

250 W

No		5.9	75.8
C		6.6	
4		6.7	
C		6.9	74.8
4		7.2	
C		7.5	
So		8.0	73.7
	300 W		
So		8.8	72.9
C		8.3	
4		8.1	
C		7.8	73.9
4		7.4	
C		7.2	
No		6.6	75.1
	350 W		
No		7.4	74.3
C		8.1	
4		8.2	
C		8.0	73.2
4		8.8	
C		9.0	
So		9.6	72.1

81.65

40' W of E verts.

So		10.4	71.3	
Cl		9.8		
4		9.6		
C		9.4	72.3	
4		8.9		
4		8.4		
No		7.6	74.1	
	450 W			
No		9.0	72.7	
Cl		9.5		
4		10.0		
C		10.3	71.4	
4		10.4		
Cl		10.7		
So		10.8	70.9	
	520 W. EL. Davies			
So		12.0	69.7	
Cl		11.5		
4		11.2		
C		10.8	70.9	
4		10.6		
Cl		10.5		
No		10.1	71.6	
T.P	1.76	71.39 ✓	12.0 ✓ 69.6	3' N of SE Davies

Chalcedony

71.4

E Cl

No	{0.0 {0.5 south	71.4 70.9	
Cl	{0.5 {1.1 "		
4	{0.6 {1.5 "		
C	{0.7 {1.6 "	70.7 69.8	
4	{1.2 {1.8 "		
Cl	{1.6 {2.3 "		
So	{2.1 {2.9 "	69.3 68.5	
	E Cl		
So	2.4	69.0	
Cl	1.8		
4	1.6		
C	1.4	70.0	
4	1.1		
Cl	0.9		
No	0.3	71.1	
	Cl		
No	0.2	71.2	
Cl	0.7		
4	1.0		
C	1.3	70.4	
4	1.4		
Cl	1.8		
So	2.3	69.4	

71.39

W ¼ Dawes

So	2.4	69.0	
W	1.8		
4	1.5		
0	1.3	70.1	
U	1.0		
W	0.8		
No	0.4	71.0	

W Ch.

No	1.4 gutter	70.0	
	0.3 "	70.7	
	1.9 "		
W	1.5 "		
U	2.2 "		
	1.3		
U	2.2 "	69.2	
	1.7	69.7	
	2.2 "		
4	1.5 "		
	2.8 "		
W	2.1 "		
So	3.5 "	67.9	
	2.3 "	68.7	

W. line

So	3.2	68.2	
W	2.0		
4	2.0		
C	2.0	69.4	
U	1.8		
W	1.7		
No	1.2	70.2	

50 W

N	1.9	69.5
W	2.4	
4	2.6	
C	2.9	68.5
W	2.9	
W	3.4	
So	4.0	67.4

100 W

So	5.2	66.2
W	4.6	
U	4.2	
C	4.0	67.4
4	3.6	
W	3.2	
No	2.7	68.7

150 W

No	3.8	67.6
W	4.1	
U	4.3	
C	4.6	66.8
U	4.7	
4	4.4	
So	4.1	65.3

71.39

200 W of Dawes

So	6.6	64.8
Cb	6.0	
4	5.4	
c	5.6	65.8
4	5.5	
Cb	5.3	
No	4.7	66.7

250 W

No	6.2	65.2
Cb	6.5	
4	6.5	
c	6.7	64.7
4	6.4	
Cb	7.0	
So	7.3	64.1

300 W

So	8.7	62.7
Cb	8.1	
4	7.6	
c	7.6	63.8
4	7.4	
Cb	7.3	
No	6.8	64.6

Chalcedony

350 W

No	7.7	63.7
Cb	8.3	
4	8.5	
c	8.9	62.5
4	9.1	
Cb	9.3	
So	9.9	61.5

400 W

So	10.7	60.7
Cb	10.3	
4	9.6	
c	9.6	61.9
4	9.2	
Cb	8.5	
No	7.8	63.6

450 W

No	8.6	62.8
Cb	9.2	
4	9.5	
c	9.8	61.6
4	10.0	
Cb	10.2	
So	10.9	60.5

T.P. 2.47 63.12 ✓ 10.74 60.65 ✓

Bm 3.04 60.08 ✓ Hub S.E. Cass

63.12 ✓

50.0 W-E.L. Cross

S.	3.0	60.1	
"	2.4		
"	1.7		
C	1.7	61.4	
"	1.6		
"	1.1		
No	0.6	62.5	
	E Ch.		
No.	0.9		
"	1.1 gutt	62.2	
"	1.4 "	62.0	
"	1.6 "		
"	2.0 "		
C	2.3 "	61.1	
"	2.1 "	60.8	
"	2.5 "		
"	3.1 "		
So	3.4 "	60.0	
	E 4	59.7	
So	3.3	59.8	
"	2.8	60.3	
"	2.5		
C	2.1	61.0	
"	1.9		
"	1.6		
No	1.1	62.0	

Ctr.

No.	0.7	62.4
"	1.2	
"	1.5	
C	1.7	61.4
"	2.0	
"	2.4	
So.	2.9	60.2
	W 4	
So	3.5	59.6
"	2.8	
"	2.6	
C	2.4	60.7
"	2.1	
"	1.8	
No.	1.4	61.7
	W Ch.	
No	1.8 gutt	61.3
"	1.4 "	61.7
Ch	2.0 "	
"	2.0 "	
"	2.8 "	
C	3.3 "	
"	3.0 "	
"	2.5 "	60.1
"	3.1 "	60.6
"	2.8 "	
"	3.5 "	
"	3.2 "	
So	4.0 "	
	3.8 "	59.1
		59.3

63.12 ✓

W. L. Cass

S₀	4.0	59.1	
6	3.4		
4	3.0		
2	2.9	60.2	
4	2.7		
6	2.3		
N₁	1.7	61.4	
	50 W		
N₁	2.8	60.3	
6	3.3		
4	3.6		
2	3.9	59.2	
4	4.1		
6	4.5		
S₁	4.8	58.3	
	100 W		
S₀	5.6	57.5	
6	5.1		
4	4.7		
2	4.6	58.5	
4	4.3		
6	4.1		
N₀	3.5	59.6	

Chalcedony

150' W

N₀	4.4	58.7
6	4.8	
4	5.1	
2	5.3	57.8
4	5.2	
6	5.8	
S₀	6.2	56.9
	200 W	
S₀	6.8	56.3
6	6.4	
4	5.8	
2	5.9	57.2
4	5.7	
6	5.2	
N₀	5.1	58.0
	250 W	
N₀	5.8	57.3
6	6.2	
4	6.3	
2	6.1	56.5
4	6.7	
6	7.1	
S₀	7.4	55.7

63.12

300 W Cass

So			7.9		55.2
Cl			7.5		
4			7.2		
c			7.0		56.1
4			7.1		
Cl			6.5		
No			6.0		57.1
		350 W			
No			7.3		55.8
Cl			7.9		
4			8.0		
c			7.9		55.2
4			8.1		
Cl			8.4		
So			8.7		54.4
		400 W			
So			9.5		53.6
Cl			9.1		
4			8.9		
c			8.6		54.5
4			8.3		
Cl			7.9		
No			7.9		55.2
T.P.	2.20	56.29	9.03	54.09	
Bm Spk Pole	S.E Bayard		3.45	52.84	

56.29

450 W

No		1.6	54.7
Cl		2.1	
4		2.3	
c		2.4	53.9
4		2.8	
Cl		3.3	
So		3.1	53.2
	500 W- E L. Bayard		
So		3.7	52.6
Cl		3.4	
4		3.3	
c		3.0	53.3
4		2.9	
Cl		2.7	
No		2.0	54.3
	E Cl.		
No		2.6.	53.7
Cl		3.0	
4		3.2	
c		3.4	52.9
4		3.5	
Cl		3.7	
So		4.1	52.2

Chalcedony

56.29

E ¼ Bayard.

So		4.5	51.8
		4.3	51.0
Ct		3.9	
		4.6	
¼		3.8	
		4.2	
C		3.4	52.9
		4.1	52.2
¼		3.6	
		3.9	
W		3.1	
		3.6	
No		2.7	53.6
		3.2	53.1
	Ct		
No		2.8	53.5
W		3.1	
¼		3.4	
C		3.6	52.7
¼		3.7	
W		3.9	
So		4.4	51.9
	W ¼		
So		4.8	51.5
W		4.2	
¼		3.9	
C		3.8	52.5
¼		3.6	
W		3.5	
No		3.1	53.2

W. Ct

No	3.0	53.3
Ct	3.6	
¼	3.7	
C	3.6	52.7
¼	3.4	
W	3.3	
So	4.8	51.4
	W. line	
So	5.0	51.3
W	4.4	
¼	4.4	
C	4.1	52.2
¼	3.9	
W	3.7	
No	3.3	53.0
	So W.	
No	3.8	52.4
W	4.1	
¼	4.2	
C	4.6	51.7
¼	4.7	
W	5.0	
So	5.5	50.8

5 6.29

100 West Bayard

S.	5.6		50.7
C	5.3		
4	5.0		
C	4.8		51.5
4	4.7		
C	4.4		
N.	3.7		52.6
	150 W		
N.	4.8		51.5
C	5.2		
4	5.3		
C	5.6		50.7
4	5.6		
C	5.9		
S.	6.3		50.0
	200 W		
S.	6.9		49.4
C	6.6		
4	6.4		
C	6.1		50.2
4	5.9		
C	5.8		
N.	5.3		51.0

350 W

N.	5.7		50.6
C	6.1		
4	6.1		
C	6.4		49.9
4	6.4		
C	6.8		
S.	7.3		49.0
	300 W		
S.	7.6		48.7
C	7.2		
4	6.8		
C	6.8		49.5
4	6.4		
C	6.3		
N.	5.9		50.4
	350 W		
N.	6.4		49.9
C	6.9		
4	7.1		
C	7.2		49.1
4	7.1		
C	7.6		
S.	8.0		48.3
T.P.	3.76	51.54	8.01	48.28

51.54 ✓

40' W of Bayard

So	3.6	47.9
Ch	3.4	
Lt	2.8	
C	2.9	48.6
Lt	2.7	
Ut	2.5	
No	1.9	49.6

150 W

No	2.3	49.2
Ut	2.9	
Lt	3.1	
C	3.3	48.2
Lt	3.2	
Ut	3.6	
So	3.8	47.7

300 W of E.L. Allison

So	4.8	46.7
Ut	4.0	
Lt	3.7	
C	3.9	47.6
Lt	4.3	
Ut	3.6	
No	3.1	48.4

B.M. Spk Pile SE. Allison 4.1 ✓ → 47.37 ✓

E Ch

No	2.8	48.7
Ch	3.1	
Lt	3.5	
C	3.6	47.9
Lt	4.1	
Ut	4.5	
So	4.8	46.7

E Lt

So	6.6	44.9
Ch	6.3	
Lt	6.7	
C	6.9	45.6
Lt	6.8	
Ut	5.6	
No	5.3	46.2

2' E of Rail 5 W of E Lt

No	4.2	47.3
Ch	4.7	
Lt	4.9	
C	5.2	46.3
Lt	5.2	
Ut	5.6	
So	5.8	45.7

Ctr = Top Rail

So	5.15	46.39
Ctr	4.37	47.17
No	3.60	47.94

51.54

2 W of Rail = 5' E of W L

So		6.0	45.5
Ct		5.7	
L		5.4	
C		5.1	46.4
L		4.8	
Ct		4.7	
No		4.5	47.0
	W L		
No		5.5 4.2	46.0 47.3
Ct		5.7 4.3	
L		5.9 4.5	
C		6.0 4.9	45.5 46.6
L		6.1 5.4	
Ct		6.3 5.6	
So		6.7 6.0	44.8 45.5
	W Ct		
So		6.4	46.1
Ct		5.2	
L		4.7	
C		4.2	47.3
L		4.0	
Ct		4.1	
No		3.7	47.8

W line Allison

No		3.7	47.8
Ct		4.2	
L		4.4	
C		4.6	46.9
L		4.9	
Ct		5.1	
So		5.7	45.8
	50 W		
So		6.2	45.5
Ct		5.7	
L		5.5	
C		5.3	46.2
L		5.1	
Ct		4.9	
No		4.4	47.1
	100 W		
No		5.2	46.3
Ct		5.3	
L		5.5	
C		5.8	45.7
L		6.2	
Ct		6.4	
So		6.9	44.6

51.54

150 W of Allison

So		7.5	44.0
Cb		6.9	
4		6.7	
C		6.6	44.9
4		6.4	
Cb		6.3	
No		6.0	45.5
	200 W		
No		6.4	45.1
Cb		6.9	
4		6.9	
C		7.0	44.5
4		7.1	
Cb		7.2	
So		7.4	44.1
	250 W		
So		8.0	43.5
Cb		7.6	
4		7.5	
C		7.3	44.2
4		7.1	
Cb		6.9	
No		6.8	44.7

Chalcedony

283 W of Allison

No		8.8		42.7
Cb		10.8		
4		7.9		
C		7.1		44.4
4		7.5		
Cb		7.9		
So		8.3		43.2
	300 W			
So		6.4		45.1
Cb		7.6		
4		7.7		
Ctr		11.2		40.3
	325 W			
So		10.3		41.2
Cb		12.3		
TR 1.51	406.5	12.40	39.14	
	300 W			
No 4		3.3		37.4
Cb		6.2		
No 4		2.5		38.2
	325 W			
No		5.2		35.5
Cb		7.4		
4		6.0		
Ctr		2.8		37.9
4		4.0		

40.65

350 W

S.	1.6	39.1	
Cr	P.1		
V	6.2		
C	P.9	31.8	
V	9.0		
Cr	8.2		
Mo	5.0	35.7	

375 W-EL. Alloy on S.

Mo	4.1	36.6	
Cr	7.4		
V	P.7	32.0	
C	7.6	33.1	
V	9.2		
Cr	10.6		
S.	5.7	35.0	

395 W. WL. Alloy on S.

S.	1.08	29.9	
S. S. Cr	11.7		
Cr	9.9		
V	8.6		
C	10.0	30.7	
V	7.8		
Cr	4.7		
Mo	5.3	35.4	

400 W-EL. Alloy on Mo.

Mo	6.5	35.2	
Cr	4.7		
V	7.7		
C	10.4	30.7	
V	10.1		
Cr	10.1		
S. S. Cr	11.8		
S.	10.7	30.0	

410 W

S.	12.2	28.5	
S. S. Cr	11.6		
Cr	9.9		
V	10.3		
C	9.7	31.0	
V	6.3		
Cr	5 3		
Mo	0.9	34.8	

420 W. WL. Alloy on Mo.

Mo	6 3	34.4	
Cr	5.7		
V	9.1		
C	95	31.2	
V	.85		
Cr	9.6		
S.	12	28.3	

4065

450' W of Allison

So	10.6	30.1
Cl	8.7	
L. N. Cl	6.6	
L	6.7	
C	6.7	34.0
H	6.6	
Cl	7.2	
No	7.8	32.9
475' W		
No	8.8	31.9
Cl	8.6	
L	8.5	
C	8.3	32.4
L	8.3	
Cl	8.2	
So	8.0	32.7
500' W		
So	9.0	31.7
Cl	8.8	
H	9.4	
C	9.2	31.5
H	9.7	
Cl	9.7	
No	9.4	31.3

POSTED

Chalcedony.

E. line of Unnamed St = 525' West of Allison on So 2/3 535' West on North

No	10.1	30.6
10' So	10.4	
11' So	20.0	
Cl	18.0	
L	10.5	
C	10.3	30.4
H	10.1	
Cl	10.1	
So	10.2	30.5

	2.65	99.69		97.04
T.P.	5.18	97.12	7.75	91.94
	4.21	93.65	7.68	89.44
	1.37	86.06	8.96	84.69
	1.71	78.91	8.86	77.20
			10.64	61.27
	0.26	73.04		72.78
	1.80	63.67	11.17	61.87
	2.19	54.72	11.14	52.53
Bm spk in Pole N.E. Grand & Lamont			4.86	49.86

97.12
89.44
7.68

99.69
91.94
7.75

101.57
9.57
91.94

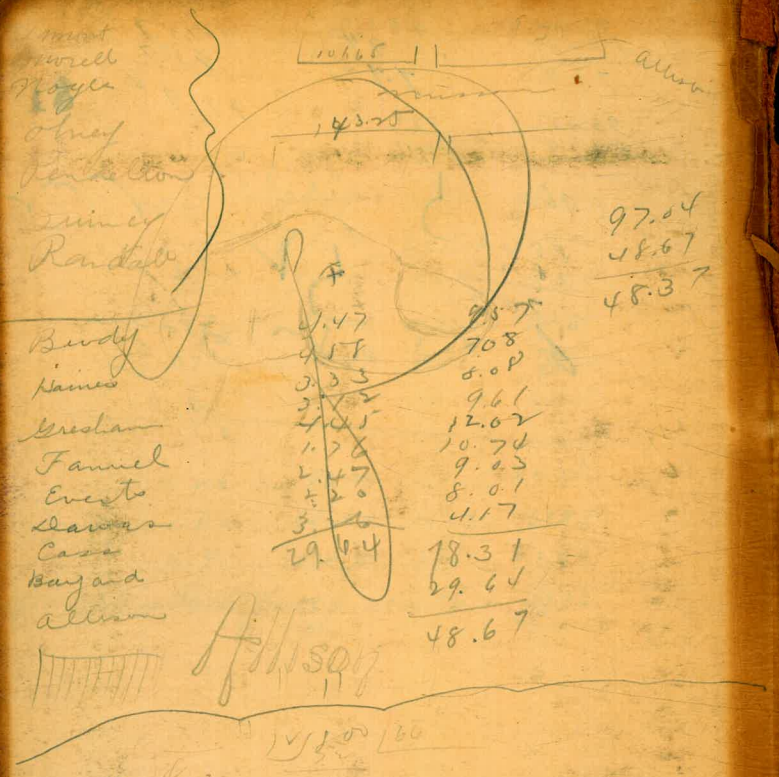
93.65
84.69
8.96

4.89
88.76

86.06
1.35
84.71

86.06
78.20
7.86

47.37
4.3
78.0
87.9
39.01



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

For Single Track Embankment.

Roadway 14 feet wide. Side Slopes 1½ to 1.

E. H. Brooks E & B.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	27
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.