355

Tables for Excavations and Embankments.

Distances from Centre of Roadway for Cross Sectioning.

Roadway 22 feet wide. Side Slopes 1 to 1.

For Single Track Excavation.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	0
1	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	1
2	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	2
3	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	3
4	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	4
5	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	5
6	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	6
7	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	7
8	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	8
9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	9
10	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	10
11	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	11
12	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	12
13	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	13
14	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	14
15	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	15
16	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	16
17	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	17
18	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	18
19	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	19
20	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	20
21	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	21
22	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	22
23	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	23
24	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	24
25	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	25
26	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	26
27	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	27
28	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	28
29	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	29
30	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	30
31	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	31
32	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	32
33	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	33
34	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	34
35	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	35
36	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	36
37	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	37
38	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	38
39	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	39
40	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	40

Index

June 21 - 1932
Elliott - Notes
Simpson - Level
Soper - Rod
Remmen - Tape.

1

N3520

				Original ground	Ordinate (cut)
B.M.	2.48	563.82		561.34	
E 4700			10.8	53.0 ✓ 554.5	1.5 ✓
710			10.7	53.1 ✓ 54.9	1.8 ✓
720			8.8	55.0 ✓ 55.0	0.0 ✓
730			8.2	55.6 ✓ 55.3	0.0 ✓
740			7.7	56.1 ✓ 54.7	0.0 ✓
750			7.9	55.9 ✓ 54.8	0.0 ✓
760			7.4	56.4 ✓ 55.2	0.0 ✓
770			6.1	57.7 ✓ 58.0	0.3 ✓
780			4.7	59.1 ✓ 60.7	1.6 ✓
790			4.8	59.0 ✓ 60.7	1.7 ✓
800			4.0	59.8 ✓ 60.8	1.0 ✓
810			4.3	59.5 ✓ 60.8	1.3 ✓
820			3.9	59.9 ✓ 60.9	1.0 ✓
830			3.6	60.2 ✓ 60.8	0.6 ✓
840			3.0	60.8 ✓ 60.7	0.0 ✓
850			2.6	61.2 ✓ 61.0	0.0 ✓
860			2.6	61.2 ✓ 61.1	0.0 ✓
870			2.7	61.1 ✓ 61.2	0.1 ✓
880			2.5	61.3 ✓ 61.0	0.0 ✓
890			2.7	61.1 ✓ 61.2	0.1 ✓
900			2.5	61.3 ✓ 61.1	0.0 ✓
910			2.3	61.5 ✓ 61.3	0.0 ✓
920			2.3	61.5 ✓ 61.4	0.0 ✓

P.O.T.

N3520

563.82

		Original ground		End Area
E 4930	2.5	561.3 ✓	61.6	0.3 ✓
940	2.2	61.6 ✓	61.5	0.0 ✓
950	2.5	61.3 ✓	61.6	0.3 ✓
960	2.5	61.3 ✓	61.3	0.0 ✓
970	2.6	61.2 ✓	61.1	0.0 ✓
980	2.6	61.2 ✓	61.0	0.0 ✓
4990	2.5	61.3 ✓	61.6	0.3 ✓
5000	3.2	60.6 ✓	61.4	0.8 ✓
				11.55 ✓ X10 = 115.5 ✓
				57.75 ✓
N3530				
E 4700	11.3	52.5 ✓	53.1	0.6 ✓
710	9.8	54.0 ✓	53.9	0.0 ✓
720	11.1	52.7 ✓	53.7	1.0 ✓
730	11.3	52.5 ✓	53.9	1.4 ✓
740	11.9	51.9 ✓	53.8	1.8 ✓
750	11.3	52.5 ✓	53.7	1.2 ✓
760	10.9	52.9 ✓	54.8	1.9 ✓
770	10.1	53.7 ✓	54.5	0.8 ✓
780	7.3	56.5 ✓	57.1	0.6 ✓
790	7.4	56.5 ✓	58.0	1.5 ✓
800	6.5	57.3 ✓	58.8	1.5 ✓
810	6.5	57.3 ✓	60.1	2.8 ✓
820	5.1	58.7 ✓	60.4	1.7 ✓
830	4.2	59.6 ✓	59.9	0.3 ✓
840	3.8	60.0 ✓	60.5	0.5 ✓
850	3.0	60.8 ✓	60.8	0.0 ✓

P.O.E.

N3530.

563.82

		Orig. ground		
E 4860	2.9	560.9	✓560.5	0.0
870	3.0	60.8	✓60.7	0.0
880	2.9	60.9	✓60.7	0.0
890	2.9	60.9	✓60.8	0.0
900	2.7	61.1	✓61.1	0.0
910	2.7	61.1	✓61.4	0.3
920	2.9	60.9	✓61.1	0.2
930	3.2	60.6	✓61.3	0.7
940	3.1	60.7	✓60.4	0.0
950	3.0	60.8	✓60.4	0.0
960	2.6	61.2	✓60.1	0.0
970	2.4	61.4	✓59.9	0.0
980	2.6	61.2	✓60.4	0.0
4990	2.6	61.2	✓61.2	0.0
5000	2.0	61.8	✓61.6	0.0

18.50 ×10 = 185.0 ✓

North 3540

E 4570	11.9	51.9	✓52.7	0.8
580	11.9	51.9	✓52.7	0.8
590	11.1	52.7	✓52.8	0.1
600	11.4	52.4	✓53.2	0.8
610	11.6	52.2	✓52.5	0.3
620	10.9	52.9	✓52.8	0.0 0.1
630	10.8	53.0	52.3	0.0
640	10.9	52.9	✓52.7	0.0
650	11.6	52.2	✓52.5	0.3

P.B.C.

N 3540

563.82

			Orig. ground.	
E 4660	11.1	552.7	552.9 ✓	0.2 ✓
670	11.2	52.6	52.8 ✓	0.2 ✓
680	10.9	52.9	52.8 ✓	0.0 ✓
690	11.5	52.3	52.9 ✓	0.6 ✓
700	11.9	51.9	52.9 ✓	1.0 ✓
710	11.3	52.5	52.6 ✓	0.1 ✓
720	11.8	52.0	53.1 ✓	1.1 ✓
730	11.9	51.9	53.1 ✓	1.2 ✓
740	11.5	52.3	53.2 ✓	0.9 ✓
750	11.8	52.0	53.8 ✓	1.8 ✓
760	11.7	52.1	53.8 ✓	1.7 ✓
770	11.7	52.1	53.9 ✓	1.8 ✓
780	11.5	52.3	54.3 ✓	2.0 ✓
790	10.7	53.1	54.8 ✓	1.7 ✓
800	9.6	54.2	55.4 ✓	1.2 ✓
810	9.1	54.7	56.3 ✓	1.6 ✓
820	8.0	55.8	57.4 ✓	1.6 ✓
830	7.3	56.5	58.8 ✓	2.3 ✓
840	5.7	58.1	60.3 ✓	2.2 ✓
850	5.0	58.8	59.8 ✓	1.0 ✓
860	4.2	59.6	59.8 ✓	0.2 ✓
870	3.6	60.2	60.5 ✓	0.3 ✓
880	3.6	60.2	60.4 ✓	0.2 ✓
890	3.0	60.8	60.6 ✓	0.0 ✓
900	3.2	60.6	60.8 ✓	0.2 ✓

P.O.C.

N3540

563.82

E 4910	3.3	60.5 ✓	60.6	0.1 ✓
920	3.2	60.6 ✓	59.8	0.0 ✓
930	3.2	60.6 ✓	59.7	0.0 ✓
940	3.2	60.6 ✓	59.5	0.0 ✓
950	3.1	60.7 ✓	59.0	0.0 ✓
960	2.8	61.0 ✓	58.8	0.0 ✓
970	2.5	61.3 ✓	59.7	0.0 ✓
980	2.8	61.0 ✓	59.8	0.0 ✓
4990	2.7	61.1 ✓	60.1	0.0 ✓
5000	2.3	61.5 ✓	61.5	0.0 ✓

~~27.00~~ 27.90 × 10 = ~~270.0~~ 279.0

N3550

E 4570	11.3	52.5 ✓	52.5	0.0 ✓
580	11.1	52.7 ✓	52.5	0.0 ✓
590	11.2	52.6 ✓	52.3	0.0 ✓
600	11.3	52.5 ✓	52.3	0.0 ✓
610	11.7	52.1 ✓	52.7	0.6 ✓
620	11.3	52.5 ✓	52.7	0.2 ✓
630	11.2	52.6 ✓	52.6	0.0 ✓
640	11.2	52.6 ✓	52.8	0.2 ✓
650	11.1	52.7 ✓	52.8	0.1 ✓
660	10.9	52.9 ✓	52.8	~~0.0~~ 0.1
670	10.8	53.0 ✓	52.8	0.0 ✓
680	10.9	52.9 ✓	52.8	0.0 ✓
690	10.7	53.1 ✓	52.8	0.0 ✓

P.O.C.

N3550

563.82

E4700	10.9	552.9	553.0	0.1
710	11.7	52.1	53.0	0.9
720	11.7	52.1	53.0	0.9
730	11.6	52.2	53.1	0.9
740	11.4	52.4	53.0	0.6
750	11.6	52.2	53.1	0.9
760	11.9	51.9	53.0	1.1
770	11.9	51.9	53.8	1.9
780	11.7	52.1	54.0	1.9
790	12.0	51.8	54.1	2.3
800	11.6	52.2	54.0	1.8
810	10.9	52.9	54.0	1.1
820	10.4	53.4	54.9	1.5
830	9.6	54.2	55.8	1.6
840	8.8	56.0	56.5	1.5
850	8.1	55.7	57.6	1.9
860	6.7	57.1	59.1	2.0
870	5.1	58.7	59.1	0.4
880	4.4	59.4	59.7	0.3
890	4.2	59.6	59.8	0.2
900	4.0	59.8	59.8	0.0
910	4.2	59.6	59.6	0.0
920	3.8	60.0	60.0	0.0
930	3.6	60.2	60.2	0.0
940	3.4	60.4	60.4	0.0

P.O.C.

N3550

563.82

E 4950	3.1	560.7 ✓	58.3
960	2.9	60.9 ✓	60.6
970	2.7	61.1 ✓	60.4
980	2.6	61.2 ✓	60.9
4990	2.7	61.1 ✓	60.4
5000	2.6	61.2 ✓	61.8

N3560

E 4570	14.2	49.6 ✓	52.1
580	12.2	51.6 ✓	52.4
590	11.3	52.5 ✓	52.1
600	11.3	52.5 ✓	52.4
610	11.1	52.7 ✓	52.0
620	11.1	52.7 ✓	52.5
630	11.1	52.7	52.5
640	11.1	52.7 ✓	52.9
650	11.1	52.7 ✓	52.8
660	11.0	52.8 ✓	52.7
670	11.2	52.6 ✓	52.9
680	10.9	52.9 ✓	53.0
690	11.1	52.7 ✓	53.0
700	11.0	52.8 ✓	53.0
710	11.4	52.4 ✓	52.9
720	11.5	52.5 ✓	53.1
730	11.6	52.2 ✓	53.2

0.0 ✓			
0.0 ✓			
0.0 ✓			
0.0 ✓			
0.0 ✓			
0.1 ✓			
25.05	× 10	= 250.5 ✓	
24.95		243.6	
2.5 ✓			
0.8 ✓			
0.0 ✓			
0.0 ✓			
0.0 ✓			
0.0 ✓			
0.0 ✓			
0.2 ✓			
0.1 ✓			
0.0 ✓			
0.3 ✓			
0.1 ✓			
0.3 ✓			
0.2 ✓			
0.5 ✓			
0.6 ✓			
1.0 ✓			

P.O.C

N 3560

563.82

E4740	11.4	552.4	✓ 53.3	0.9 ✓
750	11.7	52.1	✓ 53.2	1.1 ✓
760	11.8	52.0	✓ 53.3	1.3 ✓
770	11.7	52.1	✓ 53.3	1.2 ✓
780	12.0	51.8	✓ 53.4	1.6 ✓
790	11.8	52.0	✓ 53.2	1.2 ✓
800	11.7	52.1	✓ 53.9	1.8 ✓
810	11.7	52.1	✓ 54.1	2.0 ✓
820	11.4	52.4	✓ 54.1	1.7 ✓
830	11.1	52.7	✓ 54.3	1.6 ✓
840	10.6	53.2	✓ 55.9	2.7 ✓
850	9.8	54.0	✓ 56.4	2.4 ✓
860	9.0	54.8	✓ 56.9	2.1 ~~2.2~~
870	8.1	55.7	✓ 57.3	1.6 ✓
880	6.8	57.0	✓ 58.0	1.0 ✓
890	5.9	57.9	✓ 57.6	0.0 ✓
900	5.3	58.5	✓ 57.6	0.0 ✓
910	4.9	58.9	✓ 58.1	0.0 ✓
920	4.1	59.7	✓ 59.0	0.0 ✓
930	4.1	59.7	✓ 60.5	0.8 ✓
940	3.7	60.1	✓ 61.1	1.0 ✓
950	3.6	60.2	✓ 61.3	1.1 ✓
960	3.3	60.5	✓ 61.6	1.1 ✓
970	3.1	60.7	✓ 61.7	1.0 ✓
980	2.8	61.0	✓ 61.9	~~1.9~~ 0.9 ✓

P.O.C.

N3560

563.82

E 4990		2.5	561.3 ✓	61.7
5000		2.2	61.6 ✓	61.7

N3570

E 4570		14.6	49.2 ✓	52.5
580		14.5	49.3 ✓	52.3
590		11.1	52.7 ✓	52.4
600		11.0	52.8 ✓	52.4
610		11.1	52.7 ✓	52.7
620		10.9	52.9 ✓	52.7
630		11.0	52.8 ✓	52.6
640		11.0	52.8 ✓	52.6
650		11.2	52.6 ✓	52.8
660		11.0	52.8 ✓	53.0
670		11.0	52.8 ✓	53.0
680		11.0	52.8 ✓	52.9
690		11.3	52.5 ✓	52.9
700		11.1	52.7 ✓	53.1
710		11.0	52.8 ✓	53.2
720		11.3	52.5 ✓	53.2
730		11.7	52.1 ✓	53.2
740		11.4	52.4 ✓	53.1
750		11.6	52.2 ✓	53.1
760		10.9	52.9 ✓	53.2
770		11.8	52.0 ✓	53.2
780		12.0	51.8 ✓	53.3

0.44
0.1
37.70 ×10 = ~~377.0~~
35.90 = 359.0
3.3 ✓
3.0 ✓
0.0 ✓
0.0 ✓
0.0 ✓
0.0 ✓
0.0 ✓
0.0 ✓
0.0 ✓
0.2 ✓
0.2 ✓
0.2 ✓
0.1 ✓
0.4 ✓
0.4 ✓
0.4 ✓
0.7 ✓
1.1 ✓
0.7 ✓
0.9 ✓
0.3 ✓
1.2 ✓
1.5 ✓

P.O.G.

N3570

563.82

E4790	11.6	552.2 ✓	553.3	1.1 ✓
800	11.6	52.2 ✓	53.2	1.0 ✓
810	11.8	52.0 ✓	53.0	1.0 ✓
820	11.6	52.2 ✓	53.5	1.3 ✓
830	11.7	52.1 ✓	53.9	1.8 ✓
840	11.6	52.2 ✓	54.0	1.8 ✓
850	11.3	52.5 ✓	54.4	1.9 ✓
860	10.9	52.9 ✓	56.0	3.1 ✓
870	9.9	53.9 ✓	55.5	1.6 ✓
880	8.4	55.4 ✓	56.9	1.5 ✓
890	7.5	56.3 ✓	57.5	1.2 ✓
900	6.7	57.1 ✓	59.1	2.0 ✓
910	6.1	57.7 ✓	59.6	1.9 ✓
920	5.4	58.4 ✓	60.0	1.6 ✓
930	4.8	59.0 ✓	60.3	1.3 ✓
940	4.8	59.0 ✓	61.1	2.1 ✓
950	4.6	59.2 ✓	61.5	2.3 ✓
960	3.6	60.2 ✓	61.5	1.3 ✓
970	3.4	60.4 ✓	61.9	1.5 ✓
980	3.4	60.4 ✓	61.9	1.5 ✓
4990	3.5	60.3 ✓	61.9	1.6 ✓
5000	3.8	60.0 ✓	62.1	2.1 ✓

48.40 ×10 = 484.0 ✓

P-O-G

N3580

563.82

E 4580	12.2	551.6	✓ 52.4	0.8 ✓
590	13.8	50.0	✓ 52.3	2.3 ✓
600	11.2	52.6	✓ 52.8	0.2 ✓
610	11.1	52.7	✓ 52.8	0.1 ✓
620	11.1	52.7	✓ 52.6	0.0 ✓
630	11.1	52.7	✓ 52.9	0.2 ✓
640	11.0	52.8	✓ 53.0	0.2 ✓
650	11.5	52.3	✓ 52.9	0.6 ✓
660	11.4	52.4	✓ 52.9	0.5 ✓
670	11.7	52.1	✓ 53.0	0.9 ✓
680	11.8	52.0	✓ 53.0	1.0 ✓
690	11.7	52.1	✓ 53.1	1.0 ✓
700	11.5	52.3	✓ 53.1	0.8 ✓
710	11.2	52.6	✓ 53.2	0.6 ✓
720	11.4	52.4	✓ 53.3	0.9 ✓
730	11.1	52.7	✓ 53.3	0.6 ✓
740	11.2	52.6	✓ 53.4	0.8 ✓
750	11.3	52.5	✓ 53.4	0.9 ✓
760	11.6	52.2	✓ 53.3	1.1 ✓
770	11.8	52.0	✓ 53.4	1.4 ✓
780	11.7	52.1	✓ 53.3	1.2 ✓
790	11.7	52.1	✓ 53.2	1.1 ✓
800	11.3	52.5	✓ 53.3	0.8 ✓
810	11.5	52.3	✓ 53.2	0.9 ✓
820	11.9	51.9	✓ 53.2	1.3 ✓

AQG

N3580

563.82

E 4830	11.9	551.9 ✓	53.3	1.4 ✓
840	11.8	52.0 ✓	53.4	1.4 ✓
850	11.6	52.2 ✓	53.9	1.7 ✓
860	11.7	52.1 ✓	53.8	1.7 ✓
870	11.3	52.5 ✓	53.8	1.3 ✓
880	10.3	53.5 ✓	58.4	4.9 ✓
890	9.4	54.4 ✓	55.4	1.0 ✓
900	8.7	55.1 ✓	56.0	0.9 ✓
910	8.2	55.6 ✓	56.7	1.1 ✓
920	7.2	56.6 ✓	58.6	2.0 ✓
930	6.3	57.5 ✓	59.8	2.3 ✓
940	5.9	57.9 ✓	59.7	1.8 ✓
950	4.9	58.9 ✓	60.5	1.6 ✓
960	4.6	59.2 ✓	60.6	1.4 ✓
970	4.5	59.3 ✓	61.7	2.4 ✓
980	4.1	59.7 ✓	61.8	2.1 ✓
4990	3.9	59.9 ✓	61.9	2.0 ✓
5000	4.4	59.4 ✓	62.1	2.7 ✓

52.15 × 10 = 521.5 ✓

N3590

4580	11.1	52.7 ✓	52.6	0.0 ✓
590	11.3	52.5 ✓	52.7	0.2 ✓
600	13.6	50.2 ✓	52.7	2.5 ✓
610	11.6	52.2 ✓	52.8	0.6 ✓
620	11.2	52.6 ✓	52.8	0.2 ✓
630	11.9	51.9 ✓	52.8	0.9 ✓

P.O.G.

N3590

563.82

E4640	11.8	552.0 ✓	52.9	0.9 ✓
650	12.0	51.8 ✓	52.9	1.1 ✓
660	12.1	51.7 ✓	52.9	1.2 ✓
670	12.2	51.6 ✓	53.0	1.4 ✓
680	12.2	51.6 ✓	53.1	1.5 ✓
690	12.2	51.6 ✓	53.1	1.5 ✓
700	11.9	51.9 ✓	53.2	1.3 ✓
710	11.6	52.2 ✓	53.2	1.0 ✓
720	11.5	52.3 ✓	53.2	0.9 ✓
730	11.3	52.5 ✓	53.4	0.9 ✓
740	11.3	52.5 ✓	53.4	0.9 ✓
750	12.0	51.8 ✓	53.3	1.5 ✓
760	11.7	52.1 ✓	53.2	1.1 ✓
770	12.0	51.8 ✓	53.3	1.5 ✓
780	11.2	52.6 ✓	53.4	0.8 ✓
790	10.8	53.0 ✓	53.4	0.4 ✓
800	10.4	53.4 ✓	53.5	0.1 ✓
810	10.7	53.1 ✓	53.7	0.6 ✓
820	11.2	52.6 ✓	53.4	0.8 ✓
830	11.7	52.1 ✓	53.4	1.3 ✓
840	12.0	51.8 ✓	53.2	1.4 ✓
850	12.0	51.8 ✓	53.3	1.5 ✓
860	11.8	52.0 ✓	53.6	1.6 ✓
870	11.6	52.2 ✓	54.0	1.8 ✓
880	11.6	52.2 ✓	53.8	1.6 ✓

P.O.C.

N3590

563.82

E 4890	11.2	552.6 ✓	53.9	1.3 ✓
900	10.6	53.2 ✓	54.6	1.4 ✓
910	10.4	53.4 ✓	55.2	1.8 ✓
920	9.4	54.4 ✓	56.0	1.6 ✓
930	8.3	55.5 ✓	57.1	1.6 ✓
940	7.8	56.0 ✓	57.7	1.7 ✓
950	7.3	56.5 ✓	58.2	1.7 ✓
960	7.0	56.8 ✓	59.8	3.0 ✓
970	6.4	57.4 ✓	60.1	2.7 ✓
980	5.7	58.1 ✓	60.7	2.6 ✓
4990	5.6	58.2 ✓	61.0	2.8 ✓
5000	5.3	58.5 ✓	61.5	3.0 ✓

56.70 ×10 = 567.0 -V

N3600

E 4580	11.2	52.6 ✓	52.7	0.1 ✓
590	11.1	52.7 ✓	52.8	0.1 ✓
600	12.0	51.8 ✓	52.7	0.9 ✓
610	12.7	51.1 ✓	52.8	1.7 ✓
620	12.8	51.0 ✓	52.6	1.6 ✓
630	12.6	51.2 ✓	52.7	1.5 ✓
640	12.4	51.4 ✓	53.0	1.6 ✓
650	12.2	51.6 ✓	53.0	1.4 ✓
660	12.1	51.7 ✓	52.9	1.2 ✓
670	12.2	51.6 ✓	52.8	1.2 ✓
680	12.4	51.4 ✓	53.1	1.7 ✓

P.O.C.

N 3600

563.82

E 4690		12.7	551.1 ✓	52.7
700		12.3	51.5 ✓	53.2
710		12.0	51.8 ✓	53.3
720		12.1	51.7 ✓	53.2
730		11.7	52.1 ✓	53.4
740		12.1	51.7 ✓	53.3
750		12.1	51.7 ✓	53.1
760		11.7	52.1 ✓	53.4
770		11.6	52.2 ✓	53.3
780		12.1	51.7 ✓	53.4
790		11.7	52.1 ✓	53.4
800		11.2	52.6 ✓	53.3
810		10.6	53.2 ✓	53.3
820		11.8	52.0 ✓	53.6
830		11.9	51.9 ✓	53.5
840		11.6	52.2 ✓	53.6
850		11.5	52.3 ✓	53.6
860		11.7	52.1 ✓	53.7
870		11.8	52.0 ✓	53.7
880		11.8	52.0 ✓	53.6
890		11.7	52.1 ✓	54.1
900		11.5	52.3 ✓	54.1
910		10.9	52.9 ✓	54.5
920		10.6	53.2 ✓	54.8
930		9.1	54.7 ✓	55.4

1.6	✓
1.7	✓
1.5	✓
1.5	✓
1.3	✓
1.6	✓
1.4	✓
1.3	✓
1.1	✓
1.7	✓
1.3	✓
0.7	✓
0.1	✓
1.6	✓
1.6	✓
1.4	✓
1.3	✓
1.6	✓
1.7	✓
1.6	✓
2.0	✓
1.8	✓
1.6	✓
1.6	✓
0.7	✓

P.O.6

	N3600				
	563.82				
E 4940		9.0	554.8 ✓	56.3	1.5 ✓
950		8.3	55.5 ✓	56.5	1.0 ✓
960		8.2	55.6 ✓	56.2	0.6 ✓
970		7.4	56.4 ✓	57.6	1.2 ✓
980		6.7	57.1 ✓	58.3	1.2 ✓
4990		5.6	~~48.2~~ 58.2 ✓	59.4	1.2 ✓
5000		4.8	59.0 ✓	60.0	1.0 ✓
					55.45 x10 = 554.5 -✓
	N3610				
E 4580		10.7	53.1 ✓	52.5	0.0 ✓
590		10.8	53.0 ✓	52.4	0.0 ✓
600		10.8	53.0 ✓	53.5	0.5 ✓
610		12.3	51.5 ✓	52.7	1.2 ✓
620		12.2	51.6 ✓	53.6	2.0 ✓
630		12.2	51.6 ✓	53.7	2.1 ✓
640		12.2	51.6 ✓	53.2	1.6 ✓
650		12.2	51.6 ✓	53.3	1.7 ✓
660		12.2	51.6 ✓	53.6	2.0 ✓
670		12.2	51.6 ✓	53.4	1.8 ✓
680		12.5	51.3 ✓	53.6	2.3 ✓
690		12.6	51.2 ✓	53.4	2.2 ✓
700		12.5	51.3 ✓	53.3	2.0 ✓
710		12.4	51.4 ✓	53.2	1.8 ✓
720		12.2	51.6 ✓	53.3	1.7 ✓
730		12.1	51.7 ✓	53.3	1.6 ✓
740		12.3	51.5 ✓	54.1	2.6 ✓

P.O.G

N3610

563.82

E 4750	12.1	51.7	✓ 54.0	2.3 ✓
760	12.1	51.7	✓ 54.1	2.4 ✓
770	11.9	51.9	✓ 54.1	2.2 ✓
780	11.9	51.9	✓ 53.6	1.7 ✓
790	12.0	51.8	✓ 53.7	1.9 ✓
800	12.0	51.8	✓ 54.0	2.2 ✓
810	11.8	52.0	✓ 54.0	2.0 ✓
820	11.4	52.4	✓ 53.6	1.2 ✓
830	11.5	52.3	✓ 53.3	1.0 ✓
840	11.7	52.1	✓ 53.5	1.4 ✓
850	11.3	52.5	✓ 53.3	0.8 ✓
860	11.3	52.5	✓ 53.2	0.7 ✓
870	11.5	52.3	✓ 53.5	1.2 ✓
880	11.6	52.2	✓ 53.6	1.4 ✓
890	11.5	52.3	✓ 54.0	1.7 ✓
900	11.5	52.3	✓ 53.6	1.3 ✓
910	11.4	52.4	✓ 54.1	1.7 ✓
920	11.1	52.7	✓ 54.1	1.4 ✓
930	10.6	53.2	✓ 54.4	1.2 ✓
940	10.0	53.8	✓ 54.8	1.0 ✓
950	8.5	55.3	✓ 55.9	0.6 ✓
960	8.2	55.6	✓ 56.2	0.6 ✓
970	7.5	56.3	✓ 56.3	0.0 ✓
980	8.2	55.6	✓ 55.8	0.2 ✓

P.O.C

N3610

563.82

E 4990		10.9	552.9	56.8
5000		11.4	52.4	57.9
	N3620			
E4570		10.4	53.4	53.5
580		9.7	54.1	53.7
590		9.8	54.0	54.0
600		9.9	53.9	54.3
610		10.9	52.9	54.6
620		11.5	52.3	54.3
630		12.0	51.8	54.3
640		12.0	51.8	54.6
650		12.5	51.3	54.6
660		12.4	51.4	54.6
670		12.3	51.5	54.7
680		12.2	51.6	54.8
690		12.5	51.3	54.7
700		12.6	51.3	54.4
710		12.0	51.8	54.4
720		12.3	51.5	54.0
730		12.3	51.5	53.9
740		12.2	51.6	53.9
750		12.0	51.8	53.6
760		12.0	51.8	54.1
770		12.0	51.8	54.5
780		12.1	51.7	54.4

3.9
5.5
65.85 x10 = 658.5

0.1
0.0
0.0
0.4
1.7
2.0
2.5
2.8
3.3
3.2
3.2
3.2
3.4
3.1
2.6
2.5
2.4
2.3
1.8
2.3
2.7
2.7

R.O.C

N3620

563.82

E4790	12.0	551.8 ✓	54.2	2.4
800	12.0	51.8 ✓	54.0	2.2
810	11.9	51.9	54.0	3.1
820	11.8	52.0 ✓	54.3	2.3
830	11.7	52.1 ✓	54.4	2.3
840	11.8	52.0 ✓	54.3	2.3
850	11.6	52.2 ✓	53.5	1.3
860	11.6	52.2 ✓	53.2	1.0
870	11.9	51.9 ✓	53.3	1.4
880	11.8	52.0 ✓	53.5	1.5
890	11.7	52.1 ✓	53.6	1.5
900	11.4	52.4 ✓	53.8	1.4
910	11.3	52.5 ✓	54.0	1.5
920	10.8	53.0 ✓	53.9	0.9
930	9.9	53.9 ✓	54.4	0.5
940	9.3	54.5 ✓	54.6	0.1
950	8.8	55.0 ✓	54.6	0.0
960	9.6	54.2 ✓	55.7	1.5 ✓
970	11.7	52.1 ✓	56.0	3.9
980	12.1	51.7 ✓	55.3	3.6
4990	12.2	51.6 ✓	56.1	4.5
5000	11.5	52.3 ✓	56.3	4.0

89.35 ×10 = 893.5 - ✓

RECE.

N3630

563.82

E4570	9.5	554.3	556.4
580	8.9	54.7	57.6
590	8.6	55.2	57.2
600	9.0	54.8	57.1
610	9.2	54.6	57.7
620	9.2	54.6	58.4
630	9.3	54.5	57.7
640	9.5	54.3	56.9
650	9.8	54.0	57.3
660	11.3	52.8	57.7
670	12.1	51.7	55.7
680	12.2	51.6	55.6
690	12.2	51.6	55.1
700	12.7	51.1	55.2
710	12.2	51.6	55.2
720	12.5	51.3	55.3
730	12.2	51.6	54.4
740	12.2	51.6	54.3
750	12.2	51.6	54.0
760	11.9	51.9	53.6
770	12.2	51.6	53.6
780	12.0	51.8	53.7
790	11.7	52.1	54.2
800	11.9	51.9	54.1
810	11.9	51.9	54.3

2.1
2.7
2.0
2.3
3.1
3.8
3.2
2.6
3.3
5.2
4.0
4.8
3.5
4.1
3.6
4.0
2.8
2.7
2.4
1.7
2.0
1.9
2.1
2.2
2.4

P0.6

N 3630

563.82

E 4820	11.6	552.2	554.3	2.1
830	11.6	52.7	54.4	2.2
840	11.8	52.0	54.4	2.4
850	11.9	51.9	54.3	2.4
860	11.6	52.2	54.3	2.1
870	11.7	52.1	53.4	1.3
880	11.6	52.2	53.5	1.3
890	11.6	52.2	53.6	1.4
900	11.5	52.3	53.9	1.6
910	11.2	52.6	54.0	1.4
920	10.7	52.1	53.8	1.7
930	9.9	53.9	54.1	0.2
940	10.9	52.9	54.4	1.5
950	12.3	51.5	54.4	2.9
960	12.3	51.5	54.7	3.2
970	12.1	51.7	55.0	3.3
980	12.2	51.6	55.9	4.3
4990	11.9	51.9	56.0	4.1
5000	11.6	52.2	56.5	4.3

114.20 × 10 = 1142.0 ✓

N3640

4570	9.2	54.6	559.2	4.6
580	7.7	56.1	59.0	2.9
590	6.8	57.0	58.8	1.8
600	7.4	56.4	58.5	2.1

R.O.C.

N3640

563.82

E4610	8.1	555.7	558.3	2.6
620	8.1	55.7	57.9	2.2
630	8.1	55.7	58.3	2.6
640	7.9	55.9	58.0	2.1
650	8.2	55.6	57.8	2.2
660	9.3	54.5	58.0	3.5
670	10.7	53.1	58.0	4.9
680	12.0	51.8	57.6	5.8
690	12.8	51.0	57.4	6.4
700	12.5	51.3	57.2	5.9
710	12.8	51.0	55.8	5.8
720	12.1	51.7	55.5	3.8
730	12.2	51.6	55.6	4.0
740	12.1	51.7	55.2	3.5
750	12.0	51.8	54.4	2.6
760	11.9	51.9	54.3	2.4
770	12.0	51.8	53.8	2.0
780	12.0	51.8	54.5	2.7
790	11.7	52.1	53.7	1.6
800	11.9	51.9	54.1	2.2
810	11.9	51.9	54.2	2.3
820	11.6	52.2	53.9	1.7
830	11.5	52.3	53.9	1.6
840	11.6	52.2	54.1	1.9
850	11.7	52.1	54.2	2.1

P.C.C.

N3640

563.82

E4860	11.8	552.0	554.5
870	11.7	52.1	54.7
880	11.5	52.3	54.5
890	11.5	52.3	53.5
900	11.5	52.3	53.6
910	11.0	52.8	54.0
920	10.6	53.2	53.9
930	11.8	52.0	54.2
940	12.3	51.5	54.1
950	12.4	51.74	54.3
960	12.1	51.7	54.7
970	12.3	51.5	55.2
980	12.4	51.4	54.6
4990	11.7	52.1	55.2
5000	12.0	51.8	55.8

N3650

E4570	8.3	55.5	59.0
80	6.8	57.0	59.2
90	5.8	58.0	59.0
600	5.8	58.0	58.9
610	6.1	57.7	58.7
620	6.1	57.7	58.8
630	5.8	58.0	58.4
640	6.0	57.8	58.5

	2.5
	2.0
	2.2
	1.2
	1.3
	1.2
	0.7
	2.2
	2.6
	2.9
	3.0
	3.7
	3.2
	3.1
	4.0

121.90 x10 = 1219.0

	3.5
	2.2
	1.0
	0.9
	1.0
	1.1
	0.4
	0.7

P=0.6

N3650

563.82

E 4650	6.7	557.1	558.3	1.2
660	7.3	56.5	58.1	1.6
670	8.3	55.5	58.4	2.9
680	9.8	54.0	58.4	4.4 4.0
690	12.8	51.0	57.8	6.8
700	11.4	52.4	57.6	5.2
710	12.6	51.2	57.5	6.3
720	11.8	52.0	58.2	6.2
730	12.5	51.3	57.5	6.2
740	11.9	51.9	56.5	4.6
750	11.0	52.8	56.7	3.9
760	11.4	52.4	55.1	2.7
770	11.3	52.5	54.9	2.4
780	11.7	52.1	54.3	2.2
790	11.6	52.2	55.7	3.5
800	11.4	52.4	55.6	3.2
810	11.2	52.6	54.6	2.0
820	11.1	52.7	54.9	2.2
830	11.5	52.3	55.2	2.9
840	11.4	52.4	55.4	3.0
850	11.4	52.4	54.5	2.1
860	11.3	52.5	54.5	2.0
870	11.5	52.3	54.3	2.0
880	10.9	52.9	54.8	1.9
890	10.5	53.3	54.6	1.3

A.O.G

N3650

563.82

E4900		11.0	552.8 ✓ 553.9	1.1 ✓
910		11.1	52.7 ✓ 53.4	0.7 ✓
920		11.7	52.1 ✓ 54.0	1.9 ✓
930		12.4	51.4 ✓ 54.1	2.7 ✓
940		12.1	51.7 ✓ 54.2	2.5 ✓
950		12.2	51.6 ✓ 54.2	2.6 ✓
960		12.4	51.4 ✓ 54.3	2.9 ✓
970		12.6	51.2 ✓ 55.0	3.8 ✓
980		12.4	51.4 ✓ 54.9	3.5 ✓
4990		12.1	51.7 ✓ 54.6	2.9 ✓
5000		11.7	52.1 ✓ 55.1	3.0 ✓

~~117.45~~ ×10 = 1174.5 ~
117.85 1178.5

N3660

4570	8.3	55.5 ✓ 59.4	3.9 ✓
580	7.2	56.6 ✓ 59.5	2.9 ✓
590	6.2	57.6 ✓ 59.4	1.8 ✓
600	5.1	58.7 ✓ 59.3	0.6 ✓
610	5.2	58.6 ✓ 59.1	0.5 ✓
620	5.2	58.6 ✓ 59.0	0.4 ✓
630	5.4	58.4 ✓ 58.9	0.5 ✓
640	5.2	58.6 ✓ 58.9	0.3 ✓
650	5.4	58.4 ✓ 58.6	0.2 ✓
660	5.7	58.1 ✓ 58.7	0.6 ✓
670	6.0	57.8 ✓ 58.4	~~0.6~~
680	7.4	~~56.4~~ ✓ 58.4	~~1.8~~ 7.0 P.O.

N3660

563.82

E 4690	7.3	556.5	558.3	1.8
700	9.1	54.7	57.9	3.2
710	9.9	53.9	57.7	3.8
720	10.1	53.7	57.8	4.1
730	10.1	53.7	57.7	4.0
740	9.3	54.5	57.7	3.2
750	8.8	55.0	57.7	2.7
760	9.6	54.2	57.4	3.2
770	10.6	53.2	55.8	2.6
780	10.7	53.1	54.5	1.4
790	11.0	52.8	54.1	1.3
800	10.8	53.0	54.4	1.4
810	10.8	53.0	54.7	1.7
820	11.4	52.4	54.8	2.4
830	11.4	52.4	54.9	2.5
840	11.0	52.8	54.8	2.0
850	11.0	52.8	55.3	2.5
860	11.2	52.6	54.8	2.2
870	11.4	52.4	54.7	2.3
880	11.1	52.7	54.3	1.6
890	10.6	53.2	54.2	1.0
900	10.7	53.1	54.5	1.4
910	11.2	52.6	53.7	1.1
920	11.2	52.6	54.2	1.6
930	11.3	52.5	54.0	1.5

P.O.C

N3660

5638.2

940		11.8	552.0	554.0
950		12.1	51.7	54.2
960		12.0	51.8	54.2
970		12.0	51.8	54.6
980		12.2	51.6	55.4
4990		12.1	51.7	55.0
5000		11.6	52.2	54.6

N3670

E4570		8.3	55.5	59.8
580		7.2	56.6	59.8
590		6.8	57.0	59.8
600		4.7	59.1	59.8
610		4.9	58.9	59.4
620		4.4	59.4	59.5
630		4.5	59.3	59.3
640		4.6	59.2	59.5
650		4.7	59.1	59.3
660		4.8	59.0	59.1
670		4.8	59.0	59.2
680		5.1	58.7	58.9
690		5.3	58.5	58.5
700		5.7	58.1	58.9
710		6.1	57.7	58.9
720		6.4	57.4	58.9

2.0		
2.5		
2.4		
2.8		
3.8		
3.3		
2.4		
~~86.75~~ 86.85	x10 =	~~867.5~~ 868.5
4.3		
3.2		
2.8		
0.7		
0.5		
0.1		
0.0		
0.3		
0.2		
0.1		
0.2		
0.2		
0.0		
0.8		
1.2		
1.5		
P.O.G		

June 21 - 1932

N3670

563.82

E 4730		6.1	557.7 ✓	58.9
740		6.3	57.5 ✓	59.0
750		6.9	56.9 ✓	58.4
760		7.6	56.2 ✓	58.4
770		8.6	55.2 ✓	57.7
780		9.4	54.4 ✓	57.3
790		9.9	53.9 ✓	56.7
800		9.9	53.9 ✓	55.6
810		10.9	52.9 ✓	55.5
820		12.0	51.8 ✓	55.1
830		10.5	53.3 ✓	54.4
840		11.1	52.7 ✓	54.3
850		10.9	52.9 ✓	55.3
860		10.8	53.0 ✓	55.7
870		10.5	53.3 ✓	55.9
880		10.4	53.4 ✓	55.3
890		11.0	52.8 ✓	54.8
900		10.7	53.1 ✓	54.7
910		10.8	53.0 ✓	54.3
920		11.3	52.5 ✓	54.2
930		11.3	52.5 ✓	54.3
940		11.8	52.0 ✓	54.3
950		12.3	51.5 ✓	54.3
960		12.2	51.6 ✓	54.1
970		12.0	51.8 ✓	54.3

	1.2 ✓
	1.5 ✓
	1.5 ✓
	2.2 ✓
	2.5 ✓
	2.9 ✓
	2.8 ✓
	1.7 ✓
	2.6 ✓
	3.3 ✓
	1.1 ✓
	1.6 ✓
	2.4 ✓
	2.7 ✓
	2.6 ✓
	1.9 ✓
	2.0 ✓
	1.6 ✓
	1.3 ✓
	1.7 ✓
	1.8 ✓
	2.3 ✓
	2.8 ✓
	2.5 ✓
	2.5 ✓

P.O.C.

N3670

563.82

E4980	12.1	551.7 - 54.1	2.4
990	12.1	51.7 - 55.3	3.6
5000	11.6	52.2 - 55.7	3.5
			14.70 × 10 = 147.0 - V

N3680

4570	7.5	56.3 - 59.9	3.6
580	7.2	56.6 - 60.0	3.4
590	6.6	57.2 - 60.0	2.8
600	4.6	59.2 - 60.2	1.0
610	4.1	59.7 - 60.0	0.3
620	3.6	60.2 - 60.1	00
630	3.9	59.7 - 59.8	00
640	4.3	59.5 - 59.8	0.3
650	4.5	59.3 - 59.7	0.4
660	4.6	59.2 - 59.6	0.4
670	4.6	59.2 - 59.7	0.5
680	4.5	59.3 - 59.4	0.1
690	4.4	59.4 - 59.4	00
700	4.4	59.4 - 60.5	1.1
710	4.4	59.4 - 60.5	1.1
720	4.6	59.2 - 59.9	0.7
730	4.4	59.4 - 59.9	0.5
740	4.9	58.9 - 59.5	0.6
750	5.4	58.4 - 59.4	1.0
760	5.6	58.2 - 59.4	1.2

R.O.C.

N3680

563.82

E 4770	6.2	557.6 ✓ 59.2 ✓	1.6 ✓
780	7.1	56.7 ✓ 58.8	2.1 ✓
790	8.2	55.6 ✓ 57.9	2.3 ✓
800	8.3	55.5 ✓ 56.6	1.1 ✓
810	9.9	53.9 ✓ 56.1	2.2 ✓
820	10.5	53.3 ✓ 56.3	3.0 ✓
830	7.8	56.0 ✓ 55.3	0.0 ✓
840	10.7	53.1 ✓ 55.3	2.2 ✓
850	10.8	53.0 ✓ 54.3	1.3 ✓
860	10.9	52.9 ✓ 55.4	2.5 ✓
870	9.8	54.0 ✓ 54.9	0.9 ✓
880	9.1	54.7 ✓ 55.0	0.3 ✓
890	12.4	51.4 ✓ 55.5	4.1 ✓
900	11.2	52.6 ✓ 55.1	2.5 ✓
910	11.0	52.8 ✓ 55.0	2.2 ✓
920	11.4	52.4 ✓ 53.9	1.5 ✓
930	11.9	51.9 ✓ 54.3	2.4 ✓
940	11.9	51.9 ✓ 54.5	2.6 ✓
950	12.0	51.8 ✓ 54.4	2.6 ✓
960	12.4	51.4 ✓ 54.3	2.9 ✓
970	12.1	51.7 ✓ 54.4	2.7 ✓
980	12.2	51.6 ✓ 54.1	2.5 ✓
4990	12.1	51.7 ✓ 53.9	2.2 ✓
5000	11.6	52.3 ✓ 55.3	3.0 ✓

66.40 ×10 = 664.0 ✓

POG

N3690

563.82

E4570		7.8	556.0 ✓	60.3	4.3 ✓
580		6.0	57.8 ✓	60.3	2.5 ✓
590		5.2	58.6 ✓	60.2	1.6 ✓
600		4.4	59.4 ✓	60.3	0.9 ✓
610		3.8	60.0 ✓	60.4	0.4 ✓
620		3.6	60.2 ✓	60.3	0.1 ✓
630		3.8	60.0 ✓	60.1	0.1 ✓
640		3.7	60.1 ✓	60.2	0.1 ✓
650		2.8	60.0 ✓	60.0	0.0 ✓
660		4.0	59.8 ✓	60.1	0.3 ✓
670		4.2	59.6 ✓	60.1	0.5 ✓
680		4.2	59.6 ✓	60.2	0.6 ✓
690		4.1	59.7 ✓	59.9	0.2 ✓
700		4.2	59.6 ✓	60.1	0.5 ✓
710		3.8	60.0 ✓	60.4	0.4 ✓
720		3.8	60.0 ✓	60.1	0.1 ✓
730		3.9	59.9 ✓	60.3	0.4 ✓
740		4.4	59.4 ✓	60.1	0.7 ✓
750		3.8	60.0 ✓	60.1	0.1 ✓
760		4.2	59.6 ✓	60.1	0.5 ✓
770		5.0	58.8 ✓	60.2	1.4 ✓
780		5.1	58.7 ✓	59.9	1.2 ~~2.2~~
790		5.3	58.5 ✓	59.1	0.6 ✓
800		6.6	57.2 ✓	57.3	0.1 ✓
810		7.6	56.2 ✓	56.2	0.0 ✓

R 0.6

N3690

563.82

E 4820	7.1	556.7 - 56.3	0.0 / ~~0.4~~
830	7.5	56.3 - 56.7	0.4
840	10.4	53.4 - 56.2	2.8
850	8.9	54.9 / 52.9 - 55.0	0.1
860	8.5	55.3 - 55.4	0.1
870	6.4	57.4 - 55.4	0.0
880	7.2	56.6 - 54.7	0.0
890	7.8	54.0 - 54.9	0.9
900	11.2	52.6 - 55.1	2.5
910	11.2	52.6 - 55.2	2.6
920	11.4	52.4 - 54.8	2.4
930	10.9	52.9 - 53.9	1.0
940	11.6	52.2 - 54.3	2.1
950	11.0	52.8 - 54.4	1.6
960	11.2	52.6 - 54.6	2.0
970	11.2	52.6 - 53.9	1.3
980	12.4	51.4 - 54.5	3.1
4990	11.5	52.3 - 54.4	2.1
5000	10.1	53.7 - 53.6	0.0
			~~41.85~~ x 10 = ~~418.5~~
			40.45 404.5

N3700

E 4800	4.9	58.9 - 58.4	0.0
810	5.2	58.6 - 56.6	0.0
820	5.9	57.9 - 55.9	0.0
830	6.0	57.8 - 56.1	0.0
840	6.1	57.7 - 56.1	0.0

Prof

N3700

563.82

E4850	6.2	557.6 ✓ 54.9	0.0 ✓
860	6.0	57.8 ✓ 55.4	0.0 ✓
870	6.0	57.8 ✓ 55.2	0.0 ✓
880	6.1	57.7 ✓ 55.4	0.0 ✓
890	7.6	56.2 ✓ 55.6	0.0 ✓
900	10.1	53.7 ✓ 56.1	2.4 ✓
910	10.3	53.5 ✓ 56.5	3.0 ✓
920	10.1	53.7 ✓ 56.7	3.0 ✓
930	11.0	52.8 ✓ 55.4	2.6 ✓
940	8.9	54.9 ✓ 54.1	0.0 ✓
950	10.7	53.1 ✓ 54.2	1.1 ✓
960	10.5	53.3 ✓ 54.1	0.8 ✓
970	9.6	54.2 ✓ 54.1	0.0 ✓
980	10.4	53.4 ✓ 54.3	0.9 ✓
4990	9.6	54.2 ✓ 54.1	0.0 ✓
5000	9.2	54.6 ✓ 54.5	0.0 ✓

13.80 ×10 = 138.0 -V

N3710

4800	4.3	59.5 ✓ 60.1	0.6 ✓
810	4.9	58.9 ✓ 60.3	1.4 ✓
820	5.4	58.4 ✓ 59.7	1.3 ✓
830	5.9	57.9 ✓ 59.1	1.2 ✓
840	5.9	57.9 ✓ 59.4	1.5 ✓
850	5.8	58.0 ✓ 58.9	0.9 ✓
860	5.8	58.0 ✓ 58.2	0.2 ✓

P.O.C

N.3710

563.82

E 4870		6.6	557.2 ✓	56.6
880		7.2	56.6 ✓	56.4
890		8.8	55.0 ✓	55.8
900		9.1	54.7 ✓	56.2
910		9.6	54.2 ✓	56.8
920		8.0	55.8 ✓	56.3
930		10.4	53.4 ✓	52.4
940		7.1	56.7 ✓	56.6
950		9.2	54.6 ✓	55.3
960		9.5	54.3	54.7
970		9.3	54.5 ✓	54.3
980		9.8	54.0 ✓	54.4
4990		9.7	54.1 ✓	54.2
5000		9.8	54.0 ✓	54.5
				Record
Check		2.23	561.59	561.58

0.0 ✓	
0.0 ✓	
0.8 ✓	
1.5 ✓	
2.6 ✓	
0.5 ✓	
3.0 ✓	
00 ✓	
0.7 ✓	
0.4 ✓	
0.0 ✓	
0.4 ✓	
0.1 ✓	
0.5 ✓	85.25 ✓
17.05	× 10 = 170.5 ✓

June 21-1932

~~11,250~~ ft

~~11,275~~ sq. ft

× 10 = 112,750 Cu ft

= ~~4,175.9~~ Cu yd.

4,168.9

Jan. 2-'33
P.O.C

		N3620			
				548.18	B.M.
	5.84	554.02			
4940			14.4	39.6	O.G.
30			11.3	42.7	
10			6.1	47.9	
4890			4.0	50.0	O.G.
		N3600			
4940			15.2	38.8	O.G.
30			11.3	42.7	
10			7.0	47.0	
4890			3.5	50.5	
70			1.2	52.8	O.G.
		N3580			
4940			15.7	38.3	O.G.
30			10.7	43.3	
10			6.2	47.8	
4890			2.9	51.1	
70			1.5	52.5	O.G.?
50			+ 0.7	54.7	
		N3560			
4940			17.1	36.9	
30			11.1	42.9	
10			7.1	46.9	
4890			2.6	51.4	
70			2.1	51.9	
50			+ 2.0	56.0	

N3630 N.Gr.

N 3540

554.02

4940		17.4	536.6
30		13.0	41.0
10		7.5	46.5
4890		2.5	51.5
70		2.3	51.7
60			N.G.

N 3520

4940		16.0	38.0
30		12.7	41.3
10		7.9	46.1
4890		2.4	51.6
70		2.1	51.9
60			N.G.

N 3500

4940		17.3	36.7
30		13.0	41.0
10		7.0	47.0
4890		2.2	51.8
70			N.G.

Monthly stripping estim. #8

N3740

575.05 BM

2.05 577.10

4720		16.2	560.9
40		9.0	68.1
60		11.6	65.5
80		10.9	66.2
4800		9.3	67.8
20		12.5	64.6
40		8.5	68.6
60		11.9	65.2
80		13.0	64.1
4900		11.6	65.5
20		19.6	57.5
	N3760		
4680		11.0	66.1
4700		9.4	67.7
20		4.9	72.2
40		5.4	71.7
60		5.0	72.1
80		4.9	72.2
4800		5.1	72.0
20		4.6	72.5
40		4.3	72.8
60		4.0	73.1
80		3.1	74.0

		N3760		
		577.10		
4900			1.5	575.6
		N3780		
4660			5.8	71.3
80			5.9	71.2
4700			5.9	71.2
20			5.6	71.5
40			5.7	71.4
60			1.4	75.7
80			+ 8.3	85.4
4800			+ 9.0	86.1
20			12.6 +	89.7
40			+ 15.0	92.1
60	} interpolate			86.5
80				80.9
4900			1.7	75.4
		N3800		
4600			3.4	73.7
20			4.7	72.4
40			5.1	72.0
60			5.1	72.0
80			2.4	74.7
	12.81	S 89.69	0.22	576.88
4700			3.8	85.9
20			2.6	87.1
40			1.0	88.7

even slope to next level old road grade

steep bank even slope

old road grade

N 3800

589.69

47.60	+ 0.1	589.8
80	+ 1.0	90.7
4800	+ 1.8	91.5
20	+ 2.0	91.7
40	+ 2.8	92.5
60	+ 2.9	92.6
80	+ 3.8	93.5
90	+ 4.5	94.2 N.G.

N 3820

4560	15.6	74.1
80	15.0	74.7
4600	14.8	74.9
20	12.8	76.9
40	10.6	79.1
60	8.7	81.0
80	6.6	83.1
4700	3.7	86.0
20	1.4	88.3
40		N.G

N 3840

4520	14.2	75.5
40	11.9	77.8
60	10.2	79.5
80	8.6	81.1
4600	7.1	82.6

Jan 3-33
PWC

		N3840			
		589.69			
4620			5.2	584.5	
40			0.0	89.7	
60			0.0	89.7	
	12.15	601.84	0.00	589.69	
80			9.6	92.2	
4700			0.0	601.8	O.B.
		N3860			
4580					O.G
4600			7.0	594.8	
20			7.0	94.8	
40			0.4	601.4	
60			+0.0	01.8	
80			+0.0	01.8	
4700			+0.7	02.5	
10					O.G.
		N3880			
4600					O.G.
20			+0.6	02.4	
40			+1.4	03.2	
50					O.G.
			12.15	589.69	
	1.28	590.97			
			12.18	578.79	
	2.54	581.33			
			6.27	575.06	575.0 BM

lime comes on top of rocks about stripping point line

87.33
15.95
6.28

X Sections of Rock Embankment
For Jan 1933, Estimate #9
Upstream Rock Embankment.

Feb 1 - 1933
Elliott
Simpson
Soper
Remmen

B.M.	2,14	630.77 ✓	628.63
		N 4040 X	
5300		2.6	28.2
5330		3.2	27.6
		N 4020 X	
5345		3.3	27.5
5320		3.9	26.9
5300		4.1	26.7
		N 4000 X	
5220		3.0	27.8
40		4.1	26.7
60		4.8	26.0
80		5.5	25.3
5300		5.8	25.0
20		5.7	25.1
40		5.6	25.2
60		5.3	25.5
		N 3980 X	
5360		5.6	25.2
40		5.9	24.9
20		6.1	24.7
5300		5.3	25.5
280		5.3	25.5
60		4.6	26.2
40		4.8	26.0

		630.77 ✓	N3980		
5230			4.6	626.2	
5220			9.2	21.6	Toc
			N3960 X		
5375			20.2	610.1	Toc
5360			14.6	16.2	
40			8.5	22.3	
20			6.1	24.7	
10			4.8	26.0	
5280			4.6	26.2	
5230			4.3	26.5	
5215			19.2	11.8	Toc
			N3940 X		
5210			24.2	06.6	Toc
5230			4.2	26.6	
5280			4.0	26.8	
5320			4.3	26.5	
5330			9.8	21.0	
	0.51	618.45 ✓	12.83	617.94 ✓	
5350			10.4	18.8	
5365			5.9	612.5	
5385			21.4	597.0	Toc

630.77
12.83
617.94

3920

5205 = 25.4

3900

5180

3880

5170

		618.45 ✓	N3920 X		
5395			23.8	594.6	Toe
5365			4.2	614.2	
5340			2.1	16.3	
	2.14	630.77 ✓		628.63 ✓	
5325			4.3	26.5	
5280			3.9	26.9	
5235			3.5	27.3	
5205			25.4	05.4	Toe
			N3900 X		
5180					Toe
5235			4.0	26.8	
280			3.9	26.9	
5325			4.3	26.5	
		618.4			
5340			5.4	13.0	
5375			7.8	10.6	
		586.5			
5420			6.0	580.5	Toe

To toe wall same as Est. #8

	630.77	N3880 X		
5170			Toe	
5235		3.9	626.9	
5280		3.9	26.9	
5320		3.9	26.9	
	618.4			
5345		8.7	09.7	
5385		10.5	07.9	
	586.5			
5430		4.2	582.3	Toe

To toe wall same as Est #8

	630.8	N3860 X		
5232		4.0	626.8	Complete
280		4.1	26.7	
5320		4.0	26.8	
	618.4			
5345		11.6	606.8	
5400		13.8	04.6	
	586.5			
5435		4.6	581.9	Toe

Toe toe wall same as Est. #8

	630.77	N3840 X		
5232		4.6	626.2	Complete
5280		4.2	26.6	
5320		4.8	26.0	
	607.2			
5350		3.3	603.9	
5410		4.6	07.6	
	586.5			
5440		4.7	581.8	

To Toe wall same as Est. #8

	630.77	N3820 X		
5232		4.2	626.6	Complete
280		4.3	26.5	
5320		4.5	26.3	
	607.2			
5350		5.0	602.2	
5415		6.4	00.8	
	586.5			
5440		5.0	581.5	

To Toe wall same as Est. #8

	630.77	N3800 +		
5232		4.3	626.5	Complete
5280		4.2	26.6	
5320		5.1	25.7	
	607.2			
5350		6.0	601.2	
5415		6.0	01.2	
	586.5			
5435		4.6	579.9	

To toe wall same as Est. #8

N3780 X

5232	630.77	4.5	626.3	Complete
280		4.7	26.1	
5320		5.2	25.6	
	607.2			
5350		5.5	601.7	
5415		5.6	01.6	
	586.5			
5440		5.4	581.1	

To toe wall same as Est. #8

	630.77	N3760 X		
5232		5.1	625.7	Complete
280		5.2	25.6	
5320		5.9	24.9	
	607.2			
5350		5.7	601.5	
5415		5.9	01.3	
	586.5			
5440		5.7	580.8	

To Toe wall same as Est. #8

	630.77	N3740 X		
5232		5.6	625.2	Complete to Toe
280		5.4	25.4	
5320		5.3	25.5	
	607.2			
5350		4.8	602.4	
5415		6.2	01.0	
	586.5			
5440		6.2	580.3	

Toe Toe wall same as Est. #8

	630.27	N3720 X		
5232		5.9	624.9	Complete
5280		5.5	25.3	
5320		6.0	24.8	
	607.2			
5345		5.9	601.3	
5420		6.0	01.2	
	586.5			
5445		8.0	578.5	

To toe wall same as Est. # 8

	630.8	N3700 X		
5232		6.0	624.8	Complete
5280		5.9	24.9	
5315		6.6	24.2	
	607.2			
5345		5.9	601.3	
5420		6.5	00.7	
	586.5			
5450		6.4	580.1	Toe

To toe wall same as Est. # 8

	630.5	N3680 X		
5232		6.1	624.4	Complete to toe
5280		5.7	24.8	
5320		6.5	24.0	
	607.2			
5345		6.1	601.1	
5420		6.7	00.5	
	586.5			
5450		6.9	579.6	

To toe wall same as Est. #8

	630.5	N3660 X		
5232		6.0	624.5	Complete to toe
5280		5.8	24.7	
5320		6.2	24.3	
	607.2			
5345		6.3	600.9	
5420		6.8	00.4	
	586.5			
5450		6.8	579.7	

To toe wall same as Est. #8

630.5 N3640 X

5232	5.7	624.8	Complete to downstream toe
5280	5.7	24.8	
5320	6.0	24.5	
607.2			
5345	6.6	600.6	
5425	7.5	599.7	
586.5			
5445	7.2	579.3	Toe

To toe wall same as Est. #8

630.5 N3620 X

5232	5.3	625.2	Complete to downstr. toe
280	5.8	24.7	
5315	5.8	24.7	
607.2			
5345	6.5	600.7.	
5420	7.2	00.0.	
586.5			
5450	7.0	579.5.	Toe

To toe wall same as Est. #8

	630.5	N3600 X		
5232		5.8	624.7	Complete to downstr. toe
5280		5.7	24.8	
5320		5.5	25.0	
	607.2			
5345		6.1	601.1	
5420		7.8	599.4	
	585.8			
5440		5.8	580.0	
Toe to toe wall same as Est. #8				
	630.5	N3580 X		
5232		5.2	625.3	Complete
280		5.2	25.3	
5320		5.1	25.4	
	607.2			
5345		6.5	600.7	
5415		7.3	99.9	
	585.8			
5440		5.7	580.1	

	630.5	N3560	X	
5232		5.3	625.2	Complete
5280		5.5	25.0	
5320		5.6	24.9	
	607.2			
5345		6.5	600.7	
5415		7.3	99.9	
	585.8			
5435		5.6	580.2	Toe
5460		5.8	80.0	

To toe wall same as Est. #8

	630.5	N3540	X	
5232		5.3	625.2	Complete
280		5.4	25.1	
5320		5.6	24.9	
	585.8			
5375		2.6	583.2	

To toe wall same as Est. #8

630.5 N3520 X

5232	5.2	625.3	Complete
5280	5.2	25.3	
5320	5.2	25.3	
	585.8		
5380	5.7	580.1	

To toe wall same as Est. #8

630.5 N3500 X

5232	5.4	625.1	Complete
280	5.1	25.4	
5320	5.5	25.0	
	585.8		
5395	15.0	570.8	

To toe wall sameas Est. #8

	630.5	N3480 X		
5232		5.3	625.2	Complete
5280		5.3	25.2	
5320		5.9	24.6	
	585.8			
5390		14.1	571.7	Toe

To toe wall same as Est. #8

	630.5	N3460 X		
5232		5.5	625.0	Complete
5280		5.3	25.2	
5325		5.4	25.1	
	585.8			
5390		13.2	572.6	Toe

To toe wall same as Est. #8

	630.5	N3440 X		
5232		5.2	625.3	Complete
5280		5.2	25.3	
5330		5.8	24.7	
	585.8			
5390		8.4	577.4	Toc
	630.5	N3420 X		
5232		5.2	625.3	
280		4.6	25.9	
5330		5.0	25.5	
	597.3			
5380		12.5	584.8	Toc

	630.5	N3400 X		
5232		4.7	625.8	Complete to downstrm. Toe
5280		4.7	25.8	
5330		4.7	25.8	
	592.3			
5375		3.5	593.8	Toe
	630.5	N3380 X		
5180				Toe
5265		4.0	626.5	
5330		4.2	26.3	
	609.2			
5365		8.2	601.0	Toe
		N3360 X		
5230	630.5			Toe
5285		4.0	626.5	
5330		3.8	26.7	
	609.2			
5355		+1.8	611.0	Toe

630.5 N3340 X

5275	15.1	615.4	TOC
5295	2.4	28.1	
5335	3.6	26.9	
5345	9.8	20.7	TOC

N3320 X

5300	0.7	629.8	~
5325	0.8	29.7	✓

Feb 1 - 1933

Item 3 or 5 for Est. #9

N3780 E5228	626.3
N3760 E5225	625.7
N3740 E5224	625.2
N3720 E5224	624.9
N3700 E5223	624.8
N3680 E5223	624.4
N3660 E5221	624.5
N3640 E5221	624.8
N3620 E5222	625.2
N3600 E5223	624.7
N3580 E5224	625.3
N3560 E5223	625.2

Slope -39° from horizontal

X sections of downstream rock embankment for estimate #10

Mar 1 1933
Elliott
Simpson
Soper
Romano

N3860

		Level		
B.M.	1.28	606.99		605.71
T.P.	9.70	604.42	12.27	594.72
4677			2.6	01.8 ✓
4640			2.3	02.1 ✓
4590			2.3	02.1 ✓
4582			4.1	00.3 ✓
4565				Toe

plotted

N3820

4542				75.0
		604.4		
4571			10.5	593.9 ✓
4600			2.8	01.6 ✓
40			2.6	01.8 ✓
4677			2.3	02.1 ✓

plotted

604.4 N3780

4677		2.7	01.7 ✓
40	plotted.	2.8	01.6 ✓
4602		3.0	01.4 ✓
4577		11.5	92.9
4545			75.0

N3740

4543			75.0
	604.4		
4564		12.8	591.6 ✓
4605	plotted	3.0	601.4 ✓
4640		2.5	01.9 ✓
4677		2.5	01.9

604.4 N3700

4677		2.0	602.4 ✓
40	plotted	2.5	01.9 ✓
4607		3.3	01.1 ✓
4562		14.8	589.6 ✓
4542			75.0

N3660

4540			75.0
	604.4		
4562		13.7	590.7 ✓
4592	plotted	5.1	99.3 ✓
4612		2.4	602.0 ✓
4677		1.8	02.6

6044 N3620

4677		1.3	603.1
4613	plotted.	2.5	01.9
4592		5.7	598.7
4556		15.8	88.6
4541			75.0

N3580

4538			75.0
	plotted 604.4		
4556		15.8	588.6
4597		3.3	601.1
4677		1.0	03.4

604.4 N/3540

4677		1.1	603.3 ✓
4608	plotted.	2.8	01.6 ✓
4592		6.5	597.9
4547		17.5	86.9 96.9
4535			25.0

N/3500

4537			25.0
4548	plotted 604.4	17.7	586.7 ✓
4602		3.2	601.2 ✓
4677		1.3	03.1 ✓

604.4 N3460

4677	2.1	602.3
4610	2.7	01.7
4592	6.0	598.4
4554	16.1	88.3
4537		75.0

Plotted.

N3420

4555 Toe

604.4

4572	9.1	595.3
4592	5.0	99.4
4605	2.8	601.6
4677	1.3	03.1

Plotted.

604.4 N 3400

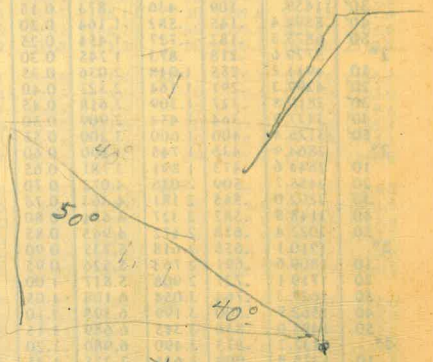
4677	Plotted	0.7	603.7 ✓
4640		2.2	02.2 ✓
4592		2.5	01.9
4568			Toe

N 3390 No Track

	630.77	6.13	624.64
5.84	630.48		
	618.45		
		12.57	605.88
1.31	607.19		
11.44	586.45		575.01
10.78	585.78		575.00
12.33	597.31	0.80	584.98
		0.81	596.50
12.74	609.24		

561.58
2.23

561.34
2.48



Tan 40 =

1/x = .839

1,2

839 | 1000.
839
1610

Table VII. Excavation and Embankments, Cu. Yds. per 100 ft.

Slope	¼ to 1	1 to 1			1½ to 1				All Slopes 1 Ft. Base
		BASE			BASE				
Depth	20'	20	22	24	14	16	20	24	
1	75	78	85	93	57	65	80	94	3.7
2	152	163	178	193	126	141	170	200	7.4
3	230	256	278	300	206	228	272	316	11.1
4	311	356	385	414	296	326	385	444	14.8
5	393	463	500	537	398	435	509	583	18.5
6	477	578	622	666	511	556	644	733	22.2
7	564	700	752	804	635	687	791	894	25.9
8	652	830	889	948	770	830	948	1067	29.6
9	742	967	1033	1100	917	983	1116	1250	33.3
10	833	1111	1185	1259	1074	1148	1296	1444	37.0
11	926	1263	1344	1425	1243	1324	1487	1650	40.7
12	1022	1422	1511	1600	1422	1511	1689	1867	44.4
13	1119	1589	1685	1781	1613	1709	1902	2094	48.1
14	1219	1763	1867	1970	1815	1919	2126	2333	51.8
15	1319	1944	2055	2166	2028	2139	2361	2583	55.5
16	1422	2133	2251	2369	2252	2370	2607	2844	59.2
17	1527	2330	2456	2582	2487	2613	2865	3117	62.9
18	1633	2533	2667	2800	2733	2867	3133	3400	66.6
19	1742	2744	2885	3025	2991	3131	3413	3694	70.3
20	1852	2963	3111	3259	3259	3407	3704	4000	74.0
21	1963	3189	3344	3500	3539	3694	4005	4317	77.7
22	2078	3422	3585	3748	3830	3993	4318	4644	81.4
23	2193	3663	3833	4003	4131	4302	4642	4983	85.1
24	2310	3911	4089	4267	4444	4622	4978	5333	88.8
25	2430	4167	4352	4537	4769	4954	5324	5694	92.5
26	2551	4430	4622	4814	5104	5296	5681	6067	96.2
27	2675	4700	4900	5100	5450	5650	6050	6450	100.0
28	2800	4978	5185	5392	5807	6015	6430	6844	103.6
29	2926	5263	5477	5691	6176	6391	6820	7250	107.3
30	3055	5556	5778	6000	6556	6778	7222	7667	111.0
31	3185	5856	6085	6314	6946	7176	7635	8094	114.7
32	3318	6163	6399	6635	7348	7585	8059	8533	118.4
33	3452	6478	6722	6966	7761	8006	8494	8983	122.1
34	3589	6800	7052	7304	8185	8437	8941	9444	125.8
35	3727	7130	7389	7648	8620	8880	9398	9917	129.5
36	3866	7467	7733	8000	9067	9338	9867	10400	133.2
37	4008	7811	8084	8358	9524	9798	10346	10894	136.9
38	4051	8163	8444	8725	9993	10274	10837	11400	140.6
39	4296	8522	8811	9100	10472	10761	11339	11917	144.3
40	4444	8889	9185	9481	10963	11259	11852	12444	148.0
41	4593	9263	9567	9871	11465	17969	12376	12983	151.7
42	4744	9644	9955	10266	11978	12289	12911	13533	155.4
43	4897	10033	10351	10669	12502	12820	13457	14094	159.1
44	5052	10430	10756	11084	13037	13363	14015	14667	162.8
45	5208	10833	11166	11499	13583	13917	14583	15250	166.5
46	5366	11244	11584	11924	14141	14481	15163	15844	170.2
47	5527	11663	12011	12359	14709	15057	15754	16450	173.9
48	5688	12089	12444	12799	15289	15644	16356	17067	177.6
49	5853	12522	12884	13246	15880	16243	16968	17694	181.3
50	6018	12963	13333	13703	16481	16853	17592	18333	185.0
52	6355	13867	14251	14635	17719	18104	18874	19644	192.4
54	6700	14800	15200	15600	19000	19400	20200	21000	200.0
56	7051	15763	16177	16591	20326	20741	21570	22400	207.2
58	7410	16756	17186	17516	21696	22126	22985	23844	214.6
60	7777	17778	18222	18666	23111	23555	24444	25333	222.0
70	9722	23332	23850	24368	30852	31370	32407	33444	259.0
80	11852	29629	30221	30813	39704	40296	41480	42667	296.0
90	14167	36666	37333	38000	49667	50333	51665	53000	333.0
100	16667	44444	45184	45924	60741	61481	62962	64444	370.0

Tables for Excavations and Embankments.

Distances from Edge of Roadway for Cross-Sectioning.

Any Roadway. Side Slopes 1½ to 1.

Half the width of roadway to be added to table to find distance from centre line.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

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