EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1.

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

536

Lake Hodges Dam

Bauer Records

Book No 2.

HODGES DAM

STRENGTHENING -

P. V. Cooper Res. Eng. Insp. LM. 5791

1657 Pennsylv

5K
14 L
12 C
4 St
35

Continued from Book 519 Page 149

1)

Labor 1) 8-1-36

8 h. 1 Superintendent
8 " 1 Laborforeman
8 " 1 Timekeeper.

2) Steel. 11E.; 11W.;
8 " 1 Steelforeman
8 " ea 4 Ironworkers
8 " 1 Laborer.

3) Forms, Runways 17W. 16E 15E
8 " ea 11 Carpenters. 12E; 13W. 16W.
8 " ea 5 Laborers. helpers. 14E; 15W.
8 " ea 5 " cleaning, K/o
2 " 1 carpenter (Sick)

4) Concrete patching 14E. 15W. 15E, 16W.
6 " 1 Laborer 17E; 18W.
8 " 1 " helping } wrafting all concrete twice

33/35

Note: a) Weather, sunny, cool.
b) Visitor. Golden a.m.
c) Tomlinson ordered to water 3K Sunday 8-2-36 especially 13/14 betw A & B, which is not painted.

Sunday: a) Jesse Moye waters 8-2-36
Concrete 3 times.
b) Weather, sunny warm.

4 St 41
12 C
9 K 46
12 L

Mixerman off.

8-3-36 Labor 1)

8 hours 1 Superintendent
8 " 1 Laborforeman
8 " 1 Timekeeper

2) Steel. 10E; 16E; 17W; 19/20

8 " 1 Steelforeman
8 " ea 4 Ironworker
8 " ea 2 Laborer
8 " 1 Electrician Pump, Wiring

3) Forms-Runways.

8 " ea 10 Carpenters 19/20; 12E; 13W;
8 " 4 Laborers

Stripp. 15/16 19/20

4) Concrete

8 " 1 Finisher
8 " 1 Laborer
8 " 1 " Painting both A+B in 13/14; 6 Diagonals & Openings in 15/16; 17/18

Pouring 15 PM

Elev.	At Mixer		Gr.	Batches	Cem.	Yds
229	1 Mix Man	15E		7	28	4.66
229	1 P. Cr Op	16W		7	28	4.66
230	2 Labor	17E	4	7	32	5.30
223	Below:	18W		7	28	4.66
8 "	9 Laborers		4	28	116	18.98
8 " ea						

Note: a) Weather clear - hot
b) Visitors None.
c) 3:30 PM 2 Tiebolts dropped by Crane Op. - discharged
d) Timlinson, Gallante, Cletos told not to patch or paint B 17W, 18E when stripped until Insp. Hill has inspected the finish.

4 St
17 L
12 C
9 K
42

3T/42

3

Labor. 1)

8-4-36

8 h 1 Superint
8 " 1 Laborform
8 " 1 Timekeep

2) Steel 19/20 10E 13E

8 " 1 St. Foren.
8 " ea 4 Ironworkers
8 " ea 2 Laborers
8 " 1 Electrician + wiring.

3) Forms-Runways.

8 " ea 10 Carpenter 19/20 9/10 hor.
8 " ea 2 Laborers

4) Concrete 13/14;

8 " 1 Cem Finisher) Stripp. patch. paint.
8 " 1 Helper) 5 Keys.
8 " 1 Painter 19/20; 13/14

Hi Elev.	8 AM	At Mixer		Gr.	Batches	Cem.	Yds
15	230	A) At Mixer	B 17W	4	7	28	5.00
8 "	16 231	1 Mixer PM	16E		7	28	4.66
8 "	16 220	1 Pumper Op.	15W		7	28	4.66
8 "	16 220		14E		7	28	4.66
8 " ea	26 219	2 Laborers	13E		7	28	4.66
		B. Below.		A	35	144	23.66
8 " ea		5 Laborers.					
8 " ea		2 Carps					

Note: 1) Weather warm - clear
2) Visitors: Graff PM Golden. Holmes.

C. 13 36/144
St 3
K 10
L 18

Nevr. Mix. C 1½R 3/4R. Sand
A - 854 427 854
(453)

8-5-36 Labor. 1)

8 hours 1 Superint.
8 " 1 Laborforem.
8 " 1 Timekeeper (Rouse) EB.

2) Steel 19W; 18E; 16E, 17W, 18W

8 " 1 Steelforeman
8 " ea 3 Ironworkers
8 " ea 2 Laborers
8 " 1 Electrician & Viabrator.

3) Forms-Runways 11/12 horiz.

8 " ea 10 Carpenters
8 " ea 2 Laborers

4) Concrete

8 "
8 " 1 Cement Finishers } Anch. 15E, 16W
1 Helper } Stripp. parch. 11/12;
8 " 1 Painter }

A) At Mixer

8 "
8 " 1 Mixerman
8 " ea 1 Pumpcrete Op
2 Laborers

B) Below.

8 " ea 6 Laborers
8 " 1 Carpenter.

		Grout	Batches	Cement	Yds
Bay 19/20	A	62	252	41.66	
El. 238 240 240 240	D, E, B, A				
El. 226	B 18E		8.00	32	5.33
228	B 19W	4	6	28	4.33
		4	14	60	
Total for day		8	76	312	51.33
			left over		0.33

Note: Weather: a) clear-warm
b) Meal
c) New Timekeeper E. B. Rouse

K. 10
St 2
C. 13
L. 14½
3A/39½

5)

Labor. 1)

8-6-36

8 h. 1 Suptd.
8 " 1 Laborforem. (Galland)
8 " 1 Timekeep.

2) Steel.

8 " 1 St. Forem.
8 " ea 2 Ironworkers
8 " ea 1 Laborer
8 " 1 Electr.

3) Forms - Runways. 14W, 9/10 horiz.; 11W;

8 " ea 10 Carpenters
8 " ea 1 Laborers

4) Concrete. {Anch. 16W, 15E} B 12E 13W.

			Grout	Batches	Cement	Yds.
8 "	h: 1A	1 Cem. Fin.	4	6.5	30	4.66
8 "	h: 13S	1 Helper		7.5	30	5.00
8 "		1 Painter.				
			4	14	60	9.66

A) At Mixer

8 " 1 Mixer 9W
8 " 1 Pumpcrete 9W
8 " 2 Laborers 11W.

On Viabrator: Ben Obonstein
Van Cleve

B. Below.

8 " ea 5 Laborers.
8 " 1 Carpenter.

5) Crane
1 Operator.
1 Laborer

Note: a) Weather: clear, warm PM: hot
b) Visitors: Golden AM; Graff;
c)

K 9 } 42.
St 4 } 47
C 14
L 20 }

8-7-36

Labor. 1)

8 h. 1 Supt'd
8 " 1 Labor-Steel forem. (Chambers)
8 " 1 Time Keeper (Campbell at PM)

2) Steel 16W- 18W-
15E- 17E-

8 " ea 4 Iron Workers
8 " ea 2 Laborers
8 " 1 Electr.

3) Forms-Runways 9/10

8 " ea 13 Carpenters.
8 " ea 2 Laborers
8 " 1 Crane Op (Lbr. Steel)

4) Concrete Stripp. Patch. Paint 11/12

8 " 1 Cement Finisher Finish. 15/16
8 " 1 Helper
8 " 1 Painter 13/14 11/12
8 " 1 Laborer watering.

Elev Pouring concrete h= gr. B. C Yds

At Mixer
8 " 1 Pumper Op.
8 " 228 1 Mixer M. 13E 14½ 7 28 466
8 " ea 227 2 Laborers 14W 11 5 20 333
8 " ea 232 Below. 7 Laborers 18W 14 4 7 32 500
8 " 1 Carpenter.

4 19 80 13
calc 11

Note: Weather: a) clear-warm.-hot P.M.
b) Visitor: Graff.
c) No exper. Vibrator Main on job.

5 K
12 C
0 St
12 L } 29 26 1/8 / 29

7.

Labor. 1) 8-8-36

8 h. 1 Superint.
8 " 1 Labor-Steel Foreman
8 " 1 Time Keeper

2) Forms-Runways 9/10 13W

8 " ea 11 Carpenters.
8 " ea 9 Laborers. stripp. clean. Form
8 " 1 Crane Op } Lbr.
8 " 1 Mixerman } helping + watering
1 " 1 Carpenter

Note: a) Weather hot north-Wind, very dry. 96° at 12 30 P.M.
b) Visitor Graff A.M. Golden, Pyle, Beerman.
c) Paul R. Trudell, Carp. stepping on end of loose Plank, fell 12 ft on back 8 30 (9/10 A to B) to Quinford Hospital (broken Back & Vertibrae)

Sunday: a) Jesse Mayer raises 8-9-36
Concrete Twice.
b) Weather: cloudy A.M. clear hot P.M.
c) ~~Visitors~~

K 9 } 39/45
C 13
St 4
L 19

8-10-36 Labor. 1.)

1 Superintendent Carpenter Foreman.
1 Steel-Labor-foreman
1 Time-keeper
2.) Steel
4 Ironworkers.
2 Laborers.
1 Electrician & wiring-Vibrator-Repair
3) Forms-Runways 9/10 11E- 10E 12W-
12 Carpenters 15W. 14E
3 Laborers.

8 hours ea.

4) Concrete.

1 Cement-finisher } 12E. 13W.
1 Helper } Keys. finishing Horizontals.
1 Painter.

Pouring concrete 9/10

Elev.			Gr.	B.	C.	Yds
252	1 Mixerman	A	4	47.5	194	cals 39.33
253	1 Pumporete-Op.	9/10 B				
257½E 255W	2 Laborers	C		6.5	26	4.33
238		(15) B9E				
244	Below:	9E-		35	140	23.33
	6 Laborers	10W-				
	1 carpenter		4	89	360	59.66

calcul. 59.66

Note: a) Weather: warm clear
b) Visitors: Buwalda Geologist, Holmer, Hawley State-Engineer. Gratt.
c) Test cyl. 29, 21, 22 taken Bag 9/10 Horiz. Tie.

13 C } 40/45
19 L
9 K
4 St

Labor. 1.)

8-11-36

1 Superint.
1 Labor-Steel-Foreman
1 Timekeeper
2) Steel
4 Ironworkers
2 Laborers
1 Electrician (wiring, repair.)
3.) Forms, Runways 15/16 14E; 15W.
12 Carpenters 14/15
3 Laborers

8 hours each.

4.) Concrete
1 Cement fin. } 11/12 Stripp. patch. paint.
1 Helper
1 Painter } ½

				Grout	Batch.	Cem.	Yds
225	Pouring	15	31W.		6	24	4
231	At Mixer	15	10E	4	6	28	4.33
229	1 Mixerman	15	13W		6	24	4
233	1 Pumpman	15	14E		6	24	4
231	2 Laborers	15	15W.		6	24	4
	Below:						
	7 Lab.			4	30	120	20.33
	1 Carp.						

Note: Weather: a) warm-clear
b) Golden Gate Gratt. ?.m.

K = 9
St = 5
C. = 15
L = 20 } 44/49

8-12-36

Labor. 1)
1 Superint
1 Labor Steel Foren
1 Time Keeper
2) Steel. 21/22
5 Ironworkers
2 Laborers.
1 Electr. (wiring)
3) Forms - Runways. 15/16 - 21/22
14 Carpenters.
4 Laborers.

4) Concrete
8 hours ea. { 1 Cement Finisher, 1 Helper, 1 Painter } 11/12 sl watering.

Pouring Concrete

h=	At Mixer.	Elev.		Gr.	B.	C.	Yds.
17	1 Mixer Man		Bldg	4	9	40	6.33
	1 Pumpcrete Op.		21/22				
	2 Laborers	242.4	A	4	51	208	34.33
	Below	239	B				
	7 Laborers	236.8	C				
	1 Carpenter						
				8	60	248	40.66

Cement left 306 Sx

Note: a) Weather: - warm - clear.
b) Visitors: Graff, J.J. Prendergast E. H.R. Hinckley.
c) 1 yd. Concrete wasted, when pipe blew out.

9 ✓
3 ✓
12 ✓
22 ✓ 39 1/2 / 46

8-13-36

Labor. 1)
1 Superint.
1 L. St. Foren.
1 Time K.
2) Steel 17E; 18W; 9E; 15/16;
3 Ironworkers
2 Laborers
1 Electr.
3) Forms; Runways 18E, 19W (9/10D)
8 hours each: 12 Carp. 15E; 16W.
10 Lab. help.

4) Concrete
1 Cem. Finr. } 19/20 Strip patch paint.
1 Helper.
1 Painter
1 Pumper. Op. } working on Pumper. M
1 Mixer. M } Mixer, Cement
5) Hoisting Lumber, Steel, Runways.
4 hours = 1 Rigger
1 Crane Op.
2 Laborer

Note: a) Weather: Warm, clear
b. Visitors: Golden A.M.
c. Cement left 306 Sx.

K = 9
St = 2
C = 14
L = 23
} 42 / 48

8-14-36 Labor. 1.)

1 Superint.
1 Steel-Labor Forem.
1 Time Keeper

2.) Steel. 13E - 9E:
14W -

2 Ironworker
2 Laborer
1 Electrician

3.) Forms - Runways. 9/10; 15/16

13 Carpenters
4 Laborers

8 hours each.

4.) Concrete

1 Cement finisher
1 Helper
1 Painter. 19W, 18E; 19/20; 18W, 17E;

h=

		Elev.	Gr.	B.	C	Yds
	Pouring Concr.		15/16			
	At Mixer	252	A	4	45	184	3033
	1 Mixer M	253	B.			
	1 Pumper Op.	254	C.			
	2 Laborer					
16	Below.		15E		6	24	400
16	9 Laborer		16W		6	24	400
	1 Carpenter	244	15E -		34	136	2266
		244	16W -				
				4	91	368	6100

Note a) Weather - clear - warm
b. From this date Elevations of Pour No. 1 for Diagonals - measured to lowest point.
c. Carload 1½" Cement in. W.P. 18185
d. Visitor: Graff: A.M.

5 K. } 33/35
5 St. }
10 C
15 L.

13.

Labor. 1.) 8-15-36

1 Superint.
1 L & St Forem
1 Time Keeper

2.) Steel. (15/16 under protest) 17/18

5 Ironworkers
1 Laborers

3.) Forms - Runways.

9 Carpenters 17/18; 9/10;
1 Laborers.

8 hours each.

4.) Concrete.

1 Finisher
2 Helper

h=

	At Mixer	El	Gr.	B	C	Yds.
	1 Mixerman	2465	9/10	18.5	74	1233
	1 Pumpcrete Op.	..	D 5			
	2 Laborers					
8		244	9E	3.5	14	233
8	Below					
6	Laborers	244	10W 4	3	16	233
1	Carpenter.	244	9E -	6	24	400
		244	10W -			
			4	31	128	21

Note a) Weather, cloudy - cool.
b) Visitors. Golden A.M. Nielson & W.P.A. Investigator - Graff.
d. Carload Cement W.P. 18185 enloading finished.

Sunday: Jesse Maye watered twice 8-16-36

K. 6 } 23 4 3/2
St 5 } 30 1 3/2
C. 5 1/2
L 14 1 3/2

8-17-36 Labor. 1.)

1 Superintendent.
1 St-Labor Foreman
1 Timekeeper

8 hours each
2.) Steel 21/22 13/14
5 Ironworkers
1 Laborer.
3.) Forms-Runways 17/18
5 Carpenters
5 Laborers.

4th
1 Carpenter
4.) Concrete. Stripp. patch. paint.

8 h. each
1 Laborer-(Cl'am) 9/10
1 Pumpcrete Op } 3
1 Mixerman } & Crane
1 Helper
1 Painter.

3 1/2 hours each
2 Laborer

8 hours
1 Crane Operator (hoist Lbr.-Steel)

Note: a) Weather: warm, clear
b) Limestone fell in Bay 9/10 Set A-10 ft Scaffhook pulled out, jaw hurt skinned arms, chest, — 13 ft
c) Visitors: Graff.

K = 5 } 22
St = 3 } 27 1/2
C = 5
L = 14 1/2

Labor. 1)

8-18-36

1 Superintendent
1 Labor Steel Foreman
1 Timekeeper
2.) Steel 15/16 9/10
3 Ironworkers
1 Laborer.

8 hours ea.
3.) Forms 17/18
5 Carpenters
2 Laborers

4.) Concrete Strippo-patch-paint.
1 Laborer (Cl'am. Finisher) } 9/10
1 Painter.
6 Laborers stripping 9/10 - 15/16 cleaning forms general cleanup of bays

Note: a) Weather: clear-warm
b) Bases in S.D. Car. creased.
c) Visitor: Golden; a.m. Graff p.m.
d) Carpenter Appeland got hurt by 2/4 falling in his face; a.m. 17/18

K 5 / St 2 / C 5 / L 13 } 25/27

8-19-36

Labor 1)
1 Superint
1 L-St. Forem
1 TimeKeeper
2) Steel. 17/18(C)
2 Ironworker

8 hours each.

3) Forms. 17/18; 21/22
5 Carpenters
2 Laborers.

4) Concrete. 15/16
1 Laborer patch.
1 Pumpcr. o/a. Stripp. & hoist. Lbr. steel.
11 Laborers pulling nails, cleaning forms general cleanup of bays

Note: 1) Weather cloudy till 9 a.m.; then clear, cool.
2) Visitors: Graff. a.m.

K 9 / St 5 / C 11 / L 24½ } 50/55

17

8-20-36

Labor. 1)
1 Superint
1 St-L-Foreman
1 TimeKeeper
2) Steel 15/16; 17/18; 13/14 11/12
5 Ironworkers
2 Laborers.
1 Electrician helping & wiring.
3) Forms-Runways 17/18; 21/22
16 Carpenters
4 Laborers.

8 hour ea

4) Concrete
1 Laborer. patch 15/16
1 Painter
1 Laborer watering
10 Laborers cleaning up.

5) Hoist.
1 Operator
1 Rigger
1 Pumpcrete Operator
3 Laborers

Notes: a) 2:15 P.M. 2/12 - 16' fell 18' down on concr. walk 5 men incl. myself a few ft from it. 1 Steel helper jumped just in time to safety. B12W.
b) Weather - cloudy - cool; till 9 a.m.;
c) Visitors: Seaman, Graff,
d) Load of steel delivered No. 7

K 9
C 14
St 5
L 20
} 43/48

8-21-36 Labor 1.)

1 Superint.
1 St.-L. Foren
1 Time Keeper

2) Steel

5 Ironworkers
2 Laborers
1 Electr. & wiring.

3) Forms-Runways.

13. Carpenters
4 Laborers

4) Pouring Concrete

8 hours each	h=	At Mixer	Elev		Gr.	B.	C.	Yds.
		1 Pumporete Op	1"	17/18				
		1 Mixerman	252	A				
		2 Laborers	253	B	4	45.	184	30.33
		Below	254	C				
		8 Laborers.						
	13	1 Carpenter.		17E		5.5	22	3.66
A	10	1 Cem. Finish		18W		4.0	16	2.66
A		1 Helper.						
5 1/2		1 Hoist Op. Gnik	244	17E-		35	140	23.33
			244	18W-				
				Calcul.	4	89.5	362	59.98
				Golden Report	4	87	352	58.33

Note. a. Weather: Clear - warm
b. Visitors: Graff P.M.

K 7
St 3
C 12
L 22
} 40/44

19

Labor: 1.) 8-22-36

1 Superint.
1 Steel-Labor. F
1 Timekeeper

2) Steel. 21/22 11/12

3 Ironworker
2 Laborer.

3) Forms-Runways 15/16 - 21/22

11 Carpenters
8 Laborers

4) Pouring Concrete 8 a.m.

8 hours each	h=	At Mixer	Elev.		Gr.	B.	C	Yd
		1 Mixer Man		15/16				
		1 Pumper. Op	246.5	D.	4	14	60	19.66
		2 Laborer.	244	15E		4.5	18	3.00
	9.5	Below.	244	16W		4	16	2.66
	9	8 Laborers	244	15E-		4.5	18	3.00
		1 Carpenter.	244	16W-				
			Golden		4	27	112	18.33
			251.5	A				
			251	B	4	63.5	258	42.66
			249	C				
	15	18/19		21E	1	6.5	26	4.33
					A	70	284	47.00
					B	97	396	65.33

Note: a. Weather: Warm - Clear
b Visitors: P.M. Holmes
P.M. Graff, Beerman
c) B 21 E poured, watered 5 Min before. no notice given, reported to Hill 8/22 P.M.

Sunday Jessie Mage watered all concret. 8-23-36 twice

K 8 } 35½
St 1 } 43
C 14
L 20

8-24-36 Labor 1.)

1 Superint
1 L-St. Fr
1 Timekeeper

2.) Steel 20W.; 13/14.

1 Ironworker.
1 Laborer.
1 Elecr.

3.) Forms-Runways 13/14

8 hours each: 14 Carpenters.
3 Laborers.

4.) Concrete 15/16 17/18

4 hours: 1 Cement-finisher } strip, patch, paint.
1 Helper
1 Painter.
8 Laborers cleaning up.

5.) Crane-hoist.

1 Pumpcrete Op.
1 Mixerman

Note: Weather: clear-warm.
2) Visitors: Graff.

8-25-36 Elect. Day: Jesse Moye waters twice.
2 Loads of steel.

K 8 } 45
St 5 } 51
C 14
L 22

Labor 1.)

8-26-36

1 Superint
1 St L-Foren.
1 Timekeeper

2.) Steel 15/16 13/14 14/15 12W

4 Ironworkers
2 Laborers
1 Elecr. airtugger & Wiring

3.) Forms-Runways 13/14 - 21/22 10/11; 17/18

8 hours each: 13 Carpenters
3 Laborers.

4.) Concrete

At Mixer	h	Elev.		Gr.	B.	C	Yds
1 MixerMan			13/14				
1 PrmpcreteOp		252	A	4	45	184	30.33
2 Laborer							
Below		253	B				
		254	C				
1 Carpenter							
9 Laborers -	17	238½	13E		7	28	4.66
	17	238½	14W		7	28	4.66
1 Finisher } 17/18		244	13E-		35	140	23.33
1 Helper. } 21/22		244	14W-				
1 Painter.							
			calc. & report.	4	94	380	63.00

5.) Hoist Lbr. Steel.

1 Ironworker as Operator.
1 Laborer

Note: a clear, warm
b Visitors, Graff-Golden am. W.P.A Inspector.
c. 2 Loads steel (8, 9)
d. no steel in toes of Horizontals

K. 8 } 46
St. 5 } 52
C 18
L 21

8-27-36 Labor 1.

1 Superint
1 L-St.-Foren
1 Timekeeper
2, Steel 21/22; 20E; 17/18
4 Ironworkers
2 Laborers
1 Electr.
3.) Forms - Runways 17/18; 21/22; 11/12
18 Carpenters
12 Laborers helping
4.) Concrete 21/22; 19E;

8 hours each:
1 Cement finisher } strip, patch, paint
1 Helper
1 Painter

5. Hoist Lumber, Steel.
1 Operator (I.W)
1 Helper
1 Pumpcrete Op.

h.	Elev.	Gr.	B.	C	Yds.
17/18					
246.5	II				
246	17E				
246	18W				
244	17E-18W-				

not poured this date.

Note: a) clear-warm
b) Visitor: A.M.
c) Jack-Bill told to clear 4 Weepholes in 21/22 19/20.

K 8 } 49
St. 5 } 55
C 18
L 24

Labor: 1) 8-28-36

1 Superint
1 L. St-Foren
1 Timekeeper
2) Steel 19/20; 13E
4 Ironworkers
2 Laborers
1 Electr
3) Forms - 21/22; 17/18 19/20;
18 Carpenters
3 Laborers
4) Concrete
1 Mixer
1 Mixer Man
1 Pumpcrete Op
2 Laborers
Below:
8 Laborers
1 Carpenter
1 Cem. Finish
1 Helper
1 Painter

8 hours each:

5) Hoist
1 Operator
1 Laborer

h=		Elev.	Gr.	B.	C	Yds	Loss
17/18							
II	246.5	4	14	60	9.66		
17E	246		4.5	18	3.00		
18W	246		4	16	2.66		
17E-	244		4.5	18	3		
18W-	244						
		4	27.	112	18.33		
21/22							
8 A	260						
8.5 B	260	4	62.5	254	42	calc. 41.9	
11 C	260						
12 21E	240		4.5	18	3		
		4	67	272	45		
	Total	8	94	384	63.33		

Note: a partly cloudy. warm.
b Visitors: A M. Golden. Pyle P.M. Holmes
c)

K 7 } 51
St 5 }
C 18 } 54
L 21 }

8-29-36 Labor. 1.)

1 Supt'd
1 L. St Fr
1 Time K.

2) Steel 17/18

4 Ironworkers
2 Laborers

3) Forms - Runways 11/12 - 20E
20W
19E

17 Carpenters
9 Laborers - helping, cleaning up stripping.

8 hours each

A) Pouring Concrete

At Mixer.	h.	Elev	Gr.	B	C.	Yds
1 Mix. M	2A	20E		9.5	38	6.33
1 Pump Op	17	20W		7.5	30	5
2 Laborers	17	19E	4	7	32	5.00
Below	16.11		4	24	100	16.33
1 Carp.						
7 Laborers						

5) Crane

1 Operator (I.W)
2 Laborers.
1 Rigger

Note: a) clear. - warm
b) Cement left 22A
c) Tomlinson poured 20E 24' high under protest.

8-30-36 Sunday. Jesse Moye waters 3 times.

K 8 } 44
St 4 } 47
C 14 }
L 21 }

Labor. 1.)

8-31-36

1 Superint.
1 St-L-Forem
1 Timekeeper

2) Steel.

4 Ironworkers
2 Laborers
1 Electr. wiring

3) Forms - Runways 20/21 - 19/20 - 13/14

13 Carpenters
5 Laborers. & unloading Cement

8 hours each

A) Pouring Concrete

At Mixer	h	Elev		Gr.	B.	C	Yds
1 Mixer M.		11/12					
1 Pumpcrete Op.		A	252	A	A5	184	30.33
2 Laborers		B	253				
Below.		C	254.8		1	4	0.66
1 Carpenter	16	11E			6	24	4
8 Laborers	21	12W			9	36	6
1 Cem. Fr 13/14		11E -	24A		35	140	23.33
1 Help		12W -	24A				
1 Painter				A	96	388	64.33

Note: a) Weather warm clear
b) Tomlinson pours 12W. 21' high under protest.
c) Graff
d) Cement unloaded Car U.P. 13588

K 8 } 42
St 3 }
C 14 } 46
L 21 }

9-1-36 Labor 1.)

1 Superint.
1 St-L-Forem.
1 Timekeeper
2.) Steel 21W, 9E;
3 Ironworkers
2 Laborers
1 Electrician, (changing wiring to catwalk) (Safety Commission)
3.) Forms - Runways 21W, 20E, 20W, 19E
13 Carpenters 19/20 - 13/14
3 Laborers & Cement.
4.) Pouring Concrete

8 hours each

At Mixer	h.		Eler	Gr.	B.	C.	Yds.
1 Mixer Man.	9.8.15	21W	227		6	24	4.
1 Pumpcrete Op.	B. 13	20E	227		5.5	22	3.66
2 Laborers	13	20W			5.5	22	3.66
Below.	B.C.						
1 Carpenter	C.V. 13	19E		A	5.	24	3.66
7 Laborers.				4	22	92	15.02
1 Cement Finisher } 17/18							
1 Helper							
1 Painter							
5.) Hoist							
1 Operater (Huff) } Lbr. Steel;							
1 Laborer							

Note: a) Clear - warm.
b) Graham, Nielsen, Golden dn.
c) Gabriel - Health Officer.

K = 8 } 47
St = 6 }
C = 17 } 52
L = 21 }

Labor 1.) 9-2-36

1 Superint.
1 L-St. Forem.
1 Timekeeper
2.) Steel 10W, 11E, 12W.
4 Ironworkers
1 Apprentice
1 Laborer
1 Electrician & Wiring.
3.) Forms - Runways 19/20 - 13/14 11E,
16 Carpenters
4 Laborers.
4.) Pouring Concrete

8 hours each

At Mixer	h.		El.	Gr.	B.	C	Yds.
1 Mixer M.	13/14						
1 Pumper Op.	D.	24&5	4	14	60	966	
2 Laborers	13E	24&5		4.5	18	3.00	
Below.	14W	24&6		5.0	20	3.33	
1 Carpenter							
7 Laborers	13E -	24A }		4.5	18	3.00	
1 Cement F. } 17/18	14W -	24A }					
1 Helper } 21/22				A	28	116	19.00
1 Painter }							
5.) Hoist							
1 Operater (I.W.)							
1 Helper							

Note: 1) Cool - clear - windy.
2) 5 Gater flushes by Robinson

K 9 } 44/48
St 4
C 16
L 19

9-3-36 Labor. 1.

8 hours each
- 1 Superint
- 1 L-St. Forem.
- 1 Time Keeper
- 2) Steel 19/20; 13/14; 15/16; 11/12
- 4 Iron Workers
- 1 Laborer
- 1 Electr.
- 3) Forms - Runways 10W - 19/20
- 15 Carpenters
- 6 Laborers

1. Pouring Concrete

A/Mixer	h.	Elev.	Sr.	B.	C.	Yds.
1 Mix. Mn	14	10E	238	4	5	24	3.66
1 P. Cr. Op	14	11W	238		5.5	22	3.66
2 Laborers	14	10W	233		5.5	22	3.66
B. Below.				4	16.	68	11.00
1 Carp.							
6 Laborer							
1 Cem. Finisher } 21/22							
1 Helper } 13/14							
1 Painter }							

5) Hoist-Crane.
- 1 Operator } Lumber, Frames
- 1 Helper } Steel.

Note: 1) Cool - cloudy
2) Visit. A.M. Golden; Graff.
3) P.M. 1 Load Lumber dropped from Hoist-cable (Crank)

K. 9 } 48/52
St. 3
C. 17
L 23

Labor: 1.)

9-4-36

8 hours each
- 1 Superint.
- 1 L-St. Forem.
- 1 Timekeeper.
- 2.) Steel 7/8; 17/12 - 15/16; 17/18
- 3 Ironworkers
- 2 Laborers
- 1 Electrician & changing wires to 11/12
- 3.) Forms - Runways: 18E; 19W; 11/12; 10/11; 12/13; 9/10
- 16 Carpenters
- 4 Laborers
- 4) Hoist - Crane.
- 1 Hoist Eng.
- 1 Helper
- 1 Rigger
- 5) Pouring Concrete

A/Mixer	h.		Elev.	Sr.	B.	C	Yds.
1 Mix. Man		19/20					
1 Pumpman		A	252				
2 Laborers		B	253	4	45	184	30.20
B. Below		C	254				
1 Carpenter	13	19E	240		5.5	22	3.66
8 Laborers	12	20W	240		5	20	3.33
1 Cement } 13/14 12/13		19E	244				
1 Helper }		20W	244		34	136	22.80
1 Painter }	12	18E	232.0		5	20	3.33
	10	19W	232.0		4.5	18	3.00
				8	99	400	66.33

Note: 1) Cool - clear.
2) Visit: Pyle, O.P. Blake, N.C. Power, Mr. + Mrs. A.J. Gates, Glendale. - Graff.

K = 7 } 42
St = 3 } 42
C = 15
L = 17

9-5-36 Labor 1.)

8 hours each
- 1 Superint
- 1 St-L-F.
- 1 TimeK
- 2) Steel 10E. 11W.
- 3 Ironworkers
- 2 Laborers
- 1 Hoist Op. (& oper. Hoist)
- 3) Forms Runways 11/12 9E. 10W.
- 13 Carpenters
- 4 Laborers
- 4) Pouring-Concrete

At Mixer

1	Mix. Mn.		11/12				
1	Pump or Op		D.	246.5	4	14	60	966
1	Laborer	6	11E	245		2.5	10	1.66
	Below	7	12W	245.5		3.0	12	2.00
2	Carpenters		11E-12W	244		4.5	18	3.00
8	Laborers							
1	Cement fin		7/8					
1	Helper				4	24	100	16.33
1	Painter	7/8	A	252.5	4	30	124	20.33
			B.	255.5				
						54	224	36.66

Note: 1) Clear windy - cool
2) Visitors: None.

9-6-36 Sunday } Jesse Moye waters
9-7-36 Labor Day } twice a day.

K. = 3
St = 5 } 24
C. = 0 } 24
L = 16

Labor 1.)

9-8-36

8 hours each
- 1 St-L-Foreman.
- 1 TimeKeeper.
- 2) Steel 10/11; 9/10; 19/20.
- 5 Ironworkers.
- 2 Laborers
- 3.) Hoist
- 1 Operater } Lumber
- 2 Helper } steel
- 4) Concrete 20E, 21E
- 12 Laborers { Stripping; Cleaning up, pulling nails.

Note: 1.) Weather clear, warm
2) Visitors: none

9-9-36

Admission day.
Jesse Moye waters twice.
Visitors: Beerman.

K 9
St 5
C 19
L 21
54 / 54

9-10-36 Labor: 1.)

1 Superintendent
1 St-L: Foreman
1 Time Keeper
2) Steel 9/10; 7/8; 19E; 20W.
5 Ironworkers
2 Laborers
1 Electr. & wiring
3.) Forms-Runways 9E; 10W. 12E; 13W
14/15 10E; 11W. 15.00 (14.5) 9/10 - 19/20
18 Carpenters
9 Laborers.

8 hours each

4.) Concrete

1 Cement Finishers 17/18; 20/21;
1 Helper.
1 Painter.
1 Mixer
1 Mixer M
1 Pumper Op.
Below.
7 Laborers
1 Carpenter

hr		Elev	Gr	B	C	Yds
15	10E	139.2	4	6	28	4.33
14.5	11W	142.1		6	24	4.00
15	12E	138	4	6	28	4.33
15	13W	137.8		6	24	4.00
			4	12	52	8.33
	Total for day 8			24	104	16.66

5) Hoist Steel-Lumber

1 Operator
2 Helpers

Note: 1.) Weather: warm-clear.
2.) Visitors: Golden P.M.
3) Weephole B.20 to be opened
4) 17/18; 15/16 Opening not painted on top.
Jack: 10 AM: We forget about it.

K - 9
St - 5
C - 19
L - 21
49 / 54

Labor: 1.)

9-11-36

1. Superint.
1 L-St. Foreman
1 Timekeeper
2) Steel 21/22; 7/8;
5 Iron Workers
3 Laborers
1 Electricia (& wiring)
3.) Forms-Runways 13/14; 19/20; 11/12; 9/10
18 Carpenters
6 Laborers

8 hours each

4) Concrete

1 Cement Finisher 19/20
1 Helper
1 Painter
All Mixer.
1 Mixer Man
1 Pumper Op.
Below.
1 Carpenter
7 Laborers.

hr		Elev.	Gr.	B.	C	Yds	Loss
19/20	Sl.	246	4	14	60	9.66	
19E		246		3.25	13	2.15	
20W		246		3.25	13	2.15	
19E - 20W -		244		4.50	18	3.00	
			4	25	104	17.00	1 batch

Note Huff-Hendricks: 1 batch wasted. pipe taken apart to get concrete out

Note: 1) cool-clear. : Graft.
2) Told Jack about cutoff in form above flume.
Jack: We forget about that again
3) 2 PM Jack: What are you horseshitting here.
Set A B 7/8 explaining sted setting; Bill not present

K 9 } 45
S 5 } 53
C 19
L 20

9-12-36 Labor 1.)

1 Superint
1 St-L.F.
1 Timekeeper

2.) Steel 13/14; 12/13

5 Ironworker
2 Laborer

3.) Forms-Runways 7/8; 9/10; 11/12; 12/13

18 Carpenters.
4 Laborers-

4.) Crane-Hoist

8 hour each
1 Operator.
1 Laborers.

5.) Concrete

		h=		Elev.	Gr.	B.	C	Yds.
			9/10					
			A	260				
			B	260	4	33.25	137	2250
	At Mixer.		C	259				
1	Mixer Man	15	9E	254.5		6	24	4.00
1	Pumper Op.	15	10W	253.8		6	24	4.00
	Below:		Mixer-Man:		4	41	168	27.66
1	Carpenter		Calculated		4	45.25	185	3060
8	Laborers		& checked by Hill & Tomlinson.					

Hit in record.

Note. 1) Windy, cool-clear.
2) Golden a.m.
3. Cement after pour 422 Sks.

9-13-36 Sunday. Jesso watering.

K = 8 } 37
St = 4 } 46
C = 13
L = 21

Labor 1.)

9-14-36

1 Superint
1 L-St. Foreman
1 Timekeeper

2) Steel 14W; 11W; 9/10;

4 Ironworkers
2 Laborer
1 Electn & wiring

3) Forms: Runways. 12/13. 11/12: 7/8; 13/14

12 Carpenters
4 Laborers.

8 hours each

4) Hoist

4) Concrete

	h=	Elev.	Gr.	B.	C	Yds.
At Mixer	16.5	10E	150	4	6	28	4.33
1 Mixer Man.	13.5	11W	152.5		6	24	4.00
1 Pumper O.	16	12E	149.		6	24	4.00
1 Labbrer	16	13W	149	4	6	28	4.33
Below.							
1 Carpenter				8	24	104	16.66
7 Laborer							

Note: 1.) Windy-cool-clear
2) Visitors Graff. [illegible] noon
3) 2" C.I pipe put over cable (4' long)
4) Argument with Tomlinson. Time Wasted.
June 9. 62 Sack of Cement 3 P.M.

K. = 9
St = 3
C. = 11
L = 21
40
44

9-15-36 Labor. 1)

1 Superint.
1 St.-L-Forem.
1 TimeKeeper

2) Steel. 20/21; 13/14; 11/12

3 Ironworkers
2 Laborers
1 Electrician & wiring

3) Forms-Runways. 13/14; 11/12; 20/21

10 Carpenters.
4 Laborers.

4) Hoist. Steel-Lumber.

8 hours each
1 Operator
2 Laborer.

5) Concrete

	h=		Elev	Gr.	B.	C	Yds.	yds Lay
1 Cem. Finisher. 19/20								
1 Helper								
1 Painter								
Af Mixer	12.5	7/8 A	265	4	44	180	29.66	3/14
1 Mixer M	9.5	B	265					
1 Pumpor O.	13	9W	238		5	20	3.33	
1 Laborer				4	49	200	33.00	
Below.								
1 carpenter								
7 Laborer								

Note: 1) Warm-clear.
2) Visitors: Graff, Golden, Cantaken of El Capitan
3) ~~Cylinders test taken Bay 7/8 Set B. Stamp~~
~~No 24-250-26.~~

K = 8
St = 3
C = 11
L = 20+2/2

38
42+2/2

Labor. 1)

37

9-16-36

1 Superint
1 St.-L-Forem.
1 TimeKeeper

2) Steel 20/21 & 15/16

3 Ironworkers
2 Laborers
1 Electrician & wiring.

3) Forms-Runways 13/14; 15/16.

10 Carpenters
2 Laborers.

8 hours each
4) Hoist Lumber, Steel
1 Operator
2 Laborer

5) Concrete Pouring (

	h=		Elev	Gr	B	C	Yds
1 Cem. Fin. 19/20							
1 Helper		11/12					
1 Painter	8.2	A	260				
Af Mixer	7.0	B	260	4	35.5	146	24.00
1 Mixer Mix	4.4	C	259		5	20	3.33
1 Pumpor Op	12	11E	253				
2 Laborers	16	12W	253		6.5	26	4.33
Below				4	47	192	31.66
1 Carpenter		13/14					
7 Laborers	8	A	260				
	7	B	260	4	36	148	24.33
	5	C	259				
	14	13E	253		6	24	4.00
	14	14W	254		6	24	4.00
C Yds				4	48	196	32.33
Total for Day 380 64							
Hendricks Report:				4	46	188	31.00

Note: 1) clear-cool.
2) Visitors: Graff;
3) cleatos off.

K. = 8 } 38
St. = 3 } 45
C = 13
L = 21

9-17-36 Labor. 1.)

1 Superint.
1 St-L-Forem.
1 TimeKeeper.

2) Steel 15/16;

3 Ironworkers
2 Laborers
1 Electr. & Hoist & wiring.

3.) Forms-Runways. 15/16; 17/18.

8 hours each { 11 Carpenters.
6 Laborers

4) Hoist Steel-Lumber.

1 Operator.
3 Laborers

5) Concrete

1 Cem. Fin. Helper } stripp-patch. 10/11; 12/13
1 Painter }
4 Laborers } unloading cement
1 MixerMan }
1 Pumper Op. }

Note: 1) Clear, cool.
2) Visitors. A.M. Golden; promised to repair batch-meter.
3) Cleatos off.

K = 7 } 44½
St = 3 } 44½
C = 17½
L = 17

Labor. 1.)

9-18-36

1 Superint.
1 St.-L-Forem
1 TimeKeeper.

2.) Steel 15/16; 17/18; 19W

3 Ironworkers
2 Laborers
1 Electrician (Wiring - Viabrator repair)

3) Forms-Runways. 15/16; 17/18; 19/20

16½ Carpenters
4 Laborers.

8 hours each { 4) Hoist - Lumber - Steel.
1 Operater

5) Concrete h=

			Elev	Gr.	B	C	Yds.
1 Cem. Fin. Helper	15/16						
1	8	A	260				
	7	B	260	4	36	148	24.33
At Mixer.	5	C	259				
1 Mixerman	14	15E	254		6	24	4
1 Pumper Op.	13	16W	254	4	5	24	3.66
2 Laborers.				8	47	196	3200
Below							
1 Carpenter							
8 Laborers							

1 Batch Grout & 1 Batch Concrete ordered extra after Pipe-line cleaned out, in order to fill forms to proper Elevation.

Note: 1) Cool-foggy. P.M. warm.
2) Visitors: P.M. Holmes { Pyles, Anderson, Mayenhofer, Burwalva { Darnell.
3) Cleatos off

K=7
St=2
C.=19
L.=13+½
37
41+2/2

9-19-36 Labor 1.)

1 Superint.
1 L-St-Foreman
1 Timekeeper

2) Steel 17/18; 19/20; 7/8;

2 Ironworkers
1 Laborers

3) Forms-Runways 17/18; 19/20.

18 Carpenters
0 Laborers

8 hours each

A) Hoist. Steel-Lumper, Equipment

1 Operator

5) Concrete-pouring. 12 Noon.

At Mixer
1 Mixer Man
1 Pumpcrete Op.
2 Laborers.

Below A
1 Carpenter
7 Laborers.

h=		Elev	Gr.	B.	C.	Yds	Cu.
	17/18						
8	A	260	4	36	148	24.33	
7	B.	260					
5	C.	259					
12	17E	252.7		5.5	22	3.66	
12	18W	253.2	4	4.5	22	3.33	
			8.	46	192	31.33	

1 Grout + 1 Concrete ordered after Pipe-line cleaned

Cleatos off

Note 1.) Cloudy-cool A.M. Cool-clear P.M.
2.) Golden, A.M.

9-20-36 Sunday: Jesse Moye waters.

K=8
St.=5
C.=18
L.=14
42 3/2
45+3/2

9-21-36

Labor 1.)

1 Superint
1 St-L-Foreman
1 Timekeeper

2) Steel 19/20; ; 9/10

4 Ironworkers
1 Laborers
1 Ironworker Apprn.
1 Electrician (wiring)

3) Forms-Runways 19/20; 8/9; 9/10

18 Carpenters. Stripped 15/16; 13/14; 7/8;

8 hours each

9+3/2 Laborers.

A) Hoist - Equipm. Steel, Lbr.

1 Pumpcrete Op.
1 Laborer.

5) Concrete

6½ h.

1 Cem Finisher } 7/8; 15/16; 19/20
1 Helper }
1 Laborer
1 Painter 9/10; 11/12; 15/16

15/16 upstream-side of A poor tamping.

Below A
1 Carpenter
7 Laborers.

Notes

Cleatos leaves for coast guard 2.45 P.M.
2 Cars with Laborers did not arrive (~12)

Note: 1.) Sunny-cool.
2) Visitors
3) Scales tested. Sand off -16
Scale for 1" Rock (Arm stuck) 1½" filled (not tested)

K = 8
St = 5
C = 15
L = 25
49
53

9-22-36. Labor. 1)

1 Superint.
1 L. St. Foreman
1 Time Keep.

2) Steel 9/10; 19/20 - 7/8; 11/12

4 Ironworkers
1 Apprentice
2 Laborers
1 Electr. (wiring)

3) Forms-Runways. 19/20; 9/10; 11/12

14 Carpenters.
6 Laborers

4) Hoist. (Steel, Equip. Lumber)

8 hours each.
1 Operator
2 Laborers.

5) Concrete-pouring

1 Com. F. Helper } 13/14 - 15/16
1 Painter "

At Mixer	h	19/20	Elev	Gr.	B.	C.	Yds
1 Mix. M.	8	A	260				
1 Pumpman Op.	7	B.	260	A	36	148	24.33
2 Laborers.	5	C.	259				
Below							
1 Carpenter	1A	19E	254		5.5	22	3.66
8 Laborers	13	20W	253.66		5.5	22	3.66
				A	47.	192	31.66

Note: 1) Clear-warm
2) AM: Pyle, DrBauer, Golden.
3) E 15 very poor vibrated.
W 16 fair
E 13 honeycombed near top.
4) Cleatos off

43

K - 9
St - 4
C - 19
L - 22
47
54

Labor. 1.) 9-23-36

8 hours each.
1 Superint
1 Labor-St. Foreman.
1 Time Keeper
2) Steel 10E; 11W; 11/12; 9/10;
3 Ironworkers
1 Apprentice
1 Electr. & wiring.
2 Laborers
3) Forms-Runways 9/10; 11/12; 12E.B poor, 13W.B poor;
19 Carpenters- Stripping 17/18; 10E.B " 11W.B. "
7/8 & 15/16.
11 Laborers
4) Hoist Forms. Lbr, Steel, Runways.
1 Operator (& helping below.)
3 Laborers
5) Concrete
1 Com. Finisher } 15/16; 17/18; 12E.B. 13W.B.
1 Helper
1 Painter. 15/16; 7/8B;

Note: 1) Clear-cool.
2) Visitor: Graff P.M.-
3) Waterline on catwalk finished.
4) Complaint to Hill 8 A.M. about poor tamping B15E.
5) Cleatos back
6) Enload Cement.

K. = 8
St. = 4
C = 21
L = 19
48
52

9-24-36 Labor. 1)

1 Superint.
1 L. St. Foreman
1 Time Keeper

2) Steel 11/12"

3 Ironworkers
1 Apprentice
1 Electr.
1 Laborers.

3) Forms Runways. 11/12; 9/10; 10E. 11W. 14E, 15W.
Stripped. 15/16.

21 Carpenters
2 Laborers

8 hours each

4) Hoist Lbr. Steel, Runways.

1 Operator.
1 Laborer.

5) Concrete.

1 Cem. Finish. 10E - 11W Bottom.
1 Mixer No 2
1 Pumper Op.
2 Laborers

Below
1 Carpenter
8 Laborers.

h =	9/10	Elev	Gr	B.	C.	Yds
12	A	273				
13.50	B	273 9/16 274		47.5	190	31.66
11.	C	270.				
13	9E	269	A	10	44	7.00
13	10W	269				
3	9E	267		19.5	78	13.00
3	10W	267				
			A	77	312	51.66
			calc.			53

Note: 1) Foggy/Cool Early - 10 am Clear) Cool.
2) Visitors: Graff
Munch - Auditor W.P.A.
3) 1½" Rock Scale tested: O.K.
4) Counting Batches 9 AM to 10 AM: 1 + 1A Bauer
5) Mixer Man: 1 + 10

K. = 9
St. = 4
C = 19
L = 22
48
54

Labor. 1b) 9-25-36

1 Superint.
1 L. St. Forem
1 Time Keeper

2) Steel 12E, 13W. 13E - 14W

3 Ironworkers
1 Laborers
1 Electr. & wiring
1 Apprentice

3) Forms - Runways 11/12; 12E; 13W;
Stripping 17/18

18 Carpenters
8 hours 2 Laborers
each

4) Hoist: Steel, Lumber, Equipment.

1 Operator
1 Laborers

5.) Concrete

1 Cem. Finisher
3 Helpers
7/8; 17/18 1 Painter 15/16
A-1 Mixer
1 Mixer M.
1 Pumper Op.
1 Laborers
Below
1 Carp.
8 Laborers

h =	10/11 14/15	Elev	Gr.	B	C	Yds	Loss
C.B. 15	10E	260.6					
D.H.B. 15	11W	261.3	A	12	52	8 33.	
C.B. 16	14E	240					
D.H.B. 16	15W	240	A	13	56	9 00	
			8	25	108	17.33	

Note: 1) Cloudy - Cool
2) Visitors
3.) Told Bill & Painter to put Curecrete on heavier 8:30 AM
15/16 A & B;
4.) B13W: new leak 1 P.M.

K = 7
St = 3
C = 17
L = 14
39
41

9-26-36 Labor: 1)

1 Superint
1 L.-St.-Forem
1 Timekeeper

2) Steel 13/14; 13E; 14W

3 Ironworkers

Laborers

3) Forms-Runways - 11/12; 13/14
Stripping 17/18

14 carpenters
3 Laborers -

4) Hoist - Lumber, Runways - Equipm.

8 hours each
1 Operator.
1 Laborer

5) Concrete

		h.	11/12	Elev	Gr.	B.	C	Yds.
17/18	1 Com. Finishers							
	1 Helper.							
17/18	1 Pdinter E) J.B W) C.B	12	A	272				
	Ht Mixer	13.5	B	273.5		49	196	32.66
	1 Mix. Man	11	C	270				
	1 Pumper Op.	15.5	11E	270	4	12.50	54	8.66
	2 Laborers	16.2	12W	270				
	Below.							
	1 Carpenter	3	11E	267		19.50	78	13.00
	6 Laborers	3	12W	267				
					4	81	328	54.33
		15	12E	258	4	12	52	8.33
		15	13W	258.5				
								1
		Total for day.			8	93	380	62.66

Note: 1) Cloudy-Cool. P.M. Storm
2) Visitors: Bierman Welding Sup. El Capitan
3)

9-27-36 Sunday.
Moisturizers: twice.

K. = 8
St. = 5
C = 18
L. = 15
45.
46

Labor: 1) 9-28-36

1 Superint.
1 L.-St.-Forem
1 Timekeeper

2) Steel 14E; 15W; 15E; 16W; 17E; 18W;

4 Ironworkers
1 Apprentice
1 Electrician (Wiring, Vibrator)
1 Laborers

8 hours each

3) Forms - Runways 13/14; 14E; 15W;
Stripping 9/10; 14E; 15W;

18 Carpenters.
9 Laborers.

4) Hoist. Lumber, Steel, Equipm.
1 Rigger.
1 Operater (Pumper Op.)
1 Mixerman
1 Laborer.

5) Concrete

1 Finisher } Stripp. 9/10 Top 14E; 15W.
1 Helper } Patch
1 Laborer
1 Painter 9/10 - 11/12

Note: 1) Clear-warm. P.M. hot.
2) Visitors: none.

K = 9
St = 4
C = 18
L = 18 + 8/2

47 + 8/2 = 51
49 + 8/2 = 53

9-29-36 Labor. 1.)

1 Superint.
1 St-L-Forem
1 Timekeeper

2) Steel (15/16; 13/14 14E, 15W)

3 Ironworkers
1 Apprentice
1 Electr
1 Laborer

3) Forms; Runways 15/16 Stripped 11/12

17 Carpenters
4 hours = 8 Laborers

8 hours each

4) Hoist: Lumber, Steel, Equipm.

1 Operator
3 Laborers (& enloading Cement)

5) Concrete

11/12 { 1 Cement Finisher, 1 Helper, 1 Laborer
9/10; 1 Painter

J.B C.B At Mixer
1 Mix-Man
1 Pumper Op
2 Laborers
Below
1 Carpenter
8 Laborers

h=	13/14	Elev	Gr.	B.	C.	Yds
12'	A	272		49	196	32.66
14	B.	274				
11	C.	270				
16	13E	269	4	12.50	54	8.66
15.2	14W	269.5				
3	13E -	267		19.50	78	13.00
3	14W -	267				
			4	81	328	54.33
15	14E	252	4	12	52	8.33
15	15W	252				
Total for day			8	93	380	62.66

Note: 1) Cement PM 1AA-52 = 97
2) car Cement in - +5
3) Clear - hot
4) Golden am.
5) Cyl. 24, 25, 26 13/14 B. Stamp 2"

K = 8
St. = 0
C = 16
L = 22

45
46

Labor 1.) 9-30-36

1 Superintendent
1 St-L-Foreman
1 Timekeeper

2) Steel: no work done

3) Cleaning up Lumber-forms

1 Mixerman
1 Pumpcrete Op.
18 Laborers.

4) Forms - Runways 15/16; 16E; 17W. 10E, 11W, 21E, 22W 17/18;

8 hours each

16 Carpenters
8 Laborers

5) Hoist - Lumber, Steel, Equipm

1 Operator
2 Laborer
1 Signaler

6) Concrete

1 Cement Finisher
1 Helper
1 Laborer
1 Painter helping

19/20; 11/12; 11E; 12W; 10E; 11W. Stripping, patching & painting.

Concrete to pour 3630
total poured to 9-30-36 } 2277
Bal. 1353

Note: 1) Clear warm
2) Cement enloaded. 1 Truck off road. (8 Sacks lost?)
3) Nielson Graft. P.M.
4) Graft: P.M.
5) Gave Mr. Hill 3 Copies For Cylinder test 24, 25, 26.

K = 9
St. = 5
C. = 16
L = 22
49
52

10-1-36 Labor 1)

1 Superintendent
1 St-L-Foreman
1 TimeKeeper

2) Steel 15E, 16W; 14E, 15W

4 Ironworkers
1 Laborer
1 Apprentice
1 Electrician

3) Forms-Runways 12E; 13W; 15/16; 17/18; 15W.

16 Carpenters.
7 Laborers.
1 Mixer-Man.

8 hours each

4) Hoist: Lumber, Steel, Equipm.

1 Operator
1 Rigger
1 Laborer
1 Pumpcrete Op.

5) Concrete

1 Finisher } 11/12 strip 10E; 11W.
1 Helper } patch 12E; 13W.
2 Laborer } 14E; 15W.
1 Painter 11/12; 10E, 11W;
6 Laborers Cleaning Forms, Lumber

Note: 1) Clear, warm.
2) Golden: AM.
3) Gave Mr Hill list for weepholes. 2×38 = 76'

K = 9
St = 5
C = 19
L = 21
48
54

Labor. 1)

10-2-36

1 Superint.
1 St-L-Forem
1 TimeKeeper

2) Steel 14E; 17/18; 15/16;

4 Ironworkers.
1 Apprentice.
1 Electr.
1 Laborer

3) Forms-Runways. 15/16; 13W; 17/18; 14E; 15W.

18 Carpenters.
2 Laborers.

4) Hoist: Lumber, Steel, Equipment

1 Operator
1 Rigger

5) Concrete

11/12; 14E, 15W, 12E, 13W.

1 Finisher
1 Helper
1 Laborer
1 Painter
At Mixer
1 Mixer M.
1 Pumpcrete
2 Laborers
Below
1 Carpenter
8 Laborer

h	15/16	Elev	Gr.	B.	C	Yds.
12	A	272		49	196	38 66
14	B	274				
11	C	270				
15	15E	270	A	12 50	54	8 66
15	16W	270				
3	15E-	267		19.50	78	13 00
3	16W-	267				
			4	81	328	54 33

Note: 1) Cloudy-cool
2) Pyle, Taylor, Melton
Insurance agent (Occidental Indemn Co)
3) Banta: Thumbnail torn loose 3:45 P.M. Sat 8 - 15/16

K = 7
St. = 5
C = 17
L = 18
44
47

10-3-36 Labor. 1.)

1 Superint.
1 L-St-Foreman
1 Timekeeper

2.) Steel 17/18; 22E; 9W;

4 Ironworkers
1 Apprentice
1 Laborer

3.) Forms-Runways 17/18;

16 Carpenters.
2 Laborers.

4.) Hoist: Lumber, Steel, Equipment

8 hours each: 1 Operator & helping steelman.

5.) Concrete

1 Finisher
1 Helper
2 Laborers

13/14 C 13E; 14W. Stripp; patch.

Viabr. Al Jesse Cooper, Carli + Carlin.

At Mixer
1 Mixer Man
1 Pumpcrete
2 Laborers

Below
1 Carpenter
7 Laborers.

h.		Elev	Gr.	B.	C	Yds.	Loss
15	16E	241.7	A	12	52	8.33	
15	17W	242.4					
17.8	12E	274	A	12	52	8.33	1/3
15.8	13W	272	poured thro. Elev. Trunk Direct				
16.3	10E	276	"	"	"	"	1/3
17	11W	278	A	12	52	8.33	
Total for day.				12	36	156	25.2/3

1.) Warm-Sunny. & no rain 10/11
2.) No Railing for 1/2 of 16/17
3.) Golden & Sun. - Staff. taken by Hill to testing Stat.
4.) Cyl. 24-25-26 taken by Hill
5.) 4.45 pm. 100# on 1½-scale had been changed to 3¼ Rock-scale. (Bauer parts immediately & Hill.) by whom? -

10-4-36 Mgr. waters 2 times.

K = 7
St = 5
C = 16
L = 27
55
55

Labor: 1.)

10-5-36

1 Superint.
1 L-St-Forem.
1 Timekeeper

2.) Steel 9W; 16E; 19/20

4 Ironworkers
1 Apprentice
1 Laborer
1 Electr. (wiring, electr. Viab. repair.)

3.) Forms-Runways 17/18; 17W, 16E 19/20; 22W. 1
Stripping (See concrete)

8 hours each: 15 Carpenters. 7 Laborers.

4.) Hoist: Mat. + Equip.

1 Operator
3 Laborers.

5.) Concrete

Stripped 13/14: 1 Finisher, 1 Helper
15/16 16E, 17W: 4 Laborer, 1 Painter

Viab. Ba Jesse Coop. Carli + Carlin

At Mixer
1 Mix. Man
1 Pumpcrete
2 Laborer

Below
1 Carp.
8 Laborer

h		Elev	Gr.	B	C	Yds	Loss
15	14E	260	A	12	52	8.33	= 1/3
15	15W	259.3					
	17/18						
12	A	272		49	196	32.66	
14	B	274					
11	C	270					
17	17E	269.8	A	13.5	58	9.33	1/3
17	18W	269.8					
3	17E-	267		19.5	78	13.00	
3	18W-	267					
1			A	82	332	55.00	
Total for day				8	94	384	63.33 2/3

Note:
1.) Cloudy - Cool - 10.30 warm, clear.
2.) Gleatos sick?
3.) 1 PM El. Viabr. drop 60 ft.
4.) Poor Viabration in Hor. Ties betw. 9 & B. Bill refuses to comply with my request for Laborate a gal. 1.30 PM
5.) Form Bottom of E (East 5) gives away. 2 PM
6.) 2-1 18W spliced 3 ft. in 3 days
7.)

K = 8
St = 4
C = 15
L = 23
} 50
50

10-6-36 Labor: 1.)

1 Supt-Sdt
1 L-St-Forem.
1 Time Keeper
2.) Steel 17W, 16E; 9W.
3 Ironworkers
1 Apprentice
1 Laborer
1 Electr & wiring.
3.) Forms-Runways 19/20
14 Carp.
6 Laborers.
4.) Hoist-Mat-Equip
8 hours each: 1 Operator, 2 Laborers.
5.) Concrete 11.30
1 Cem. Fin. } 13/14
1 Helper. } 15/16
2 Laborers } Stripping, patching 19E, 20W; 15E, 16W; 17E, 18W
1 Painter 13/14 Pouring
At Mixer
1 M. M.
1 P. Op.
2 Laborers Below
1 Carp.
8 Laborers

h=		Elev.	Gr.	B	C	yds	Loss
12.5	21E	?	8	14	64	10.00	2.66
12.5	22W						
calculated.			8	10	48	7.33	

Wasted 0.26 × 280' = 74 ft.
= 2.66 yds.

Note
1) Cloudy cool: 10 a.m. Sunny clear
2) Golden A.M.
3) Cement check 9 A.M. 183
George 185-64 = 121 OK.
4 Sacks Cem. on wet sand 8 A.M. not poured till 11:30 A.M. (told Jack)
4) 1 P.M. Line plugged fr. (B9-6) to B.21. = 280

55

K = 9
St = 3
C = 17
L = 23
} 50
52

10-7-36

Labor: 1.)

1 Superint
1 St-L-F.
1 Time-K
2) Steel 21/22; 9W.
2 Ironworkers
1 Apprentice
1 Laborer
1 Electr. & wiring
3) Forms-Runways - 21/22; 22E
16 Carp.
6 Laborers
4) Hoist-Mat-Equip.
8 hours each: 1 Operator, 1 Laborer, 1 Rigger
5) Concrete Stripp. patch. - painting
1 Cem. Fin. } 15/16; 15E, 16W; 17E, 18W; 19E, 20W;
1 Helper } 13/14
1 Laborer }
1 Painter 15/16 17/18 Pouring 8.20 P.M.
At Mixer
1 M. M.
1 P. Op.
2 Laborers Below
1 Carp.
8 Laborers

h=		Elev.	Gr.	B	C	yds	Loss
15	16E	250	A	12.	52	8.33	1/4
15	17W	250					
12	19/20 A	272					
14	B	274		49	196	32.66	1/2
11	C	270					
16	19E	270	A	13.5	58	9.33	
16	20W	270					
3	19E-	267					
3	20W-	267		19.5	78	13.00	
Calculated 82.00				332	55.00		
× Report.							
Total for day			8	94.00	384	63.33	3/4

Note:
1) Foggy cool. gam very hot.
2) Car 138480 Cement
3) 9.45 in front of 16/19 9 Men 2 extra length of pipe too much weight for catwalk.
4) 9.30 (15B instead of 12 Mixed) Concrete 1 of 1½ length of pipe wasted.
5) Visitors: none
6. J.M. Killam Nail thro foot, treated by Jack.

K = 9
St = 3
C = 19
L = 21
48
52

10-8-36 Labor. 1)

1 Superint.
1 L.-St-Fr.
1 Time-K.
2) Steel 21E-22W. 21/22
2 Ironworkers
1 Laborer
1 Electr & Wiring & Motors
3) Forms-Runways 14E, 15W; 21/22 - 21E, 22W.
18 Carpenters 22E;
2 Laborers
4. Hoist. Mat.-Equipm.
8 hours each
1 Operator
1 Laborer
1 Rigger
5) Concrete: stripped patched painted
1 Finisher } 19E, 20W;
1 Helper } 17/18;
2 Laborers } 17/18;
1 Painter 15/16; 17/18.
At Mixer
1 M.M.
1 P.Op
2 Lab.
Below
1 Carp
8 Lab.

Pouring 11:30 am to 5 P.M.

h		Elev	Gr	B	C	Yds	Loss
14	21E		8	20	88	14 00	1/4
14	22W						
10	22E	263					
15	14E	275.1	4	13	56	9 00	3/4
15	15W	274.5					
Total for day:			12	33	144	23 00	1

Banda
Jesso
Carlton
Emsco

Note: 1) Carpenters formed 21E, 22W (10-7-36 PM) contrary to instructions as concrete was not 24 hours old.
2) Visitors: AM: Golden, P.M.: Nielsen, Cornett & Merrell (Emsco)
3) Very hot all day
4) Killam J.M. works till noon.

K = 9
St = 2
C = 17
L = 23
46
51

57

Labor 1.) 10-9-36

1 Superint.
1 L.-St-Foreman
1 Timekeeper
2) Steel 16E, 17W;
1 Ironworker
1 Apprentice
1 Electr. & Wiring & motor.
3) Forms-Runways 21/22; 20E; 21W; 16E; 17W; 9W; 7/8;
16 Carpenters
4 Laborers
4) Hoist. Mat.-Equipm.
8 hours each
1 Operator
1 Laborer
5) Concrete stripped, patched, painted.
1 Finisher } 19E, 20W;
1 Helper } 17/18
2 Laborer } 17/18
1 Painter 17/18
At Mixer
1. M.M.
1. P. Op
1 Laborer
2 Laborers
hawling, mater.
Below.
1 Carp
7 Laborers

Pouring 12:30 P.M.

h.		Elev.	Gr.	B.	C.	Volo	Loss
15	18E	244.4	4	12	56	866	
15	19W.	244.4	4				

Note: 1) Very hot-sunny
2) Cans: Rockin 3/4" Hopper
3) Visitors: None
4) J. M. Killam not back to work.

K. = 7
St = 2 } 35
C = 14
L = 17 } 40

10-10-36 Labor 1.)

1 Supint.
1 St-L-Forem
1 Timekeeper

2.) Steel 21/22 C;
1 Ironworkers
1 Apprentice

3.) Forms-Runways 16E; 17W; 21/22; 9W
14 Carpenters 17/8; 9/10; 11/12
8 Laborers & cleaning up.

4. Hoist; Mat. Equipm
8 hour each: 1 Operator; 1 Mix. Men; 1 Laboren; 1 Pumper Op;

5) Concrete
1 { Finisher, Helper } stripping patching
2 Laborers
1 Painter 19E; 20W; 19/20 horiz. Tie.

Pouring: no Materiae

h.	21/22	Elev	Gr.	B.	C	Yds	Loss
12	A	272					
14	B.	274		49	196	32 66	
11	C.	270					
	21E	270					
	22W	270					
3	21E-	267		19.5	78	13 00	
3	22W-	267					

Note:
1) No material - Pour post-ponod.
2) Sunny warm.
3.) no visitors.

10-11-36 Sunday Jesse Moye waters. Twice
10-12-36 Monday Columbus Day. Jesse waters twice.

K. = 9
St = 5 47
C = 17 51.
L = 23

Labor. 1.)

10-13-36

1 Superint.
1 L-St. Forem.
1 Timekeeper

2.) Steel. 9/10; 11/12; 14/15; 18/19; 16/17
4 Ironworkers
1 Apprentice
1 Laborer

3.) Forms-Runways 9/10; 11/12; 13/14;
16. Carpenters
2 Laborers

4.) Hoist: Mat. Equipm.
8 hour each: 1 Operator; 1 Laborer

5.) Concrete Stripp. patch.
1 Finishers 14/15; 18/19
1 Helper
2 Laborers
1 Painter 14/15; 18/19. Pouring 15 1 A.M.

At Mixer
1 M. M
1 P. Op
2 Laborers Below
1 Carpenter
8 Laborers

h	21/22	Elev	Gr	B.	C	Yds	Loss
12	A	272					
14	B	274		49	196	32.66	
11	C	270					
15.5	21E	269.5	8	12.5	58	9 00	
15.5	22W	269.5					
3	21E-	267		19.5	78	13 00	
3	22W-	267					
			8	81	332	54.66	

Note.
1.) Warm, clear.
2) Graff & Woellner, Cooper
3) 1½ 3/4" 5. Golden
4.) Mr Graff. leaves.

K = 9
St = 3
C = 20
L = 26
54
58

10-14-36 Labor 1)

1 Superint
1 L-St-Foreman
1 Timekeeper
2) Steel 22E; 15/16; 13/14 10/11; 9/10;
2 Ironworkers
1 Laborer
1 Apprentice
1 Electrician & wiring.
3) Forms-Runways 9/10; 11/12; 13/14; 22W;
19 Carpenters 14E;
9 Laborers
4. Hoist. Mat. Equipm
1 Operater
2 Laborers
5) Concrete
1 Cem. Finisher 18/19;
1 Helper
2 Laborers
1 Painter
At Mixer
1 M.M
1 P. Op
1 Laborer
Below
1 Carp.
6 Laborers

8 hours each

2 hours =

Pouring 8 AM to 5 30

h		Elev	Gr	B.	C.	Yds	Loss
15	16E	260.6	4	12	52	8 33	
15	17W	260.6					
15	18E	251	4	12	52	8 33	
15	19W	251					
13	20E	237.5	8	12	56	8 66	
13	21W	238.5	8	10	48	7.33	
			16	36	160	25.33	
			16	34	152	24 00	
Loss =		+ no gr.	2	8.	133	2.66	

Note
1:) Warm-sunny.
2) L. Todd: 10 A.M. Concr. Fell on neck & back to Doctor
3.) Air Vibrator only
12/13. Electr. in repair.
4) Bowalda-Holmes.
5.) 3 50 Line plugged. 2 Batches mixed without batch of grout. plugged again. in all 4 Batches wasted.
6) Cement left: 52 Sacks.

K = 9
St = 3
C = 15
L = 25
48
52

61

10-15-36

Labor. 1.)

1 Superint
1 L-St-Foreman
1 Timekeeper
2.) Steel
2 Ironworkers.
1 Apprentice
1 Electr. & wiring
1 Laborer.
3) Forms-Runways 14/15; 15/16; 13/14
14 Carpenters
5 Laborers. (6 unload Cem.)
4) Hoist. Mat. - Equipm.
1 Operater.
2 Laborers
5) Concrete
1 C. Finr.
0 Helper
1 Laborer
1 Painter 12/13
At Mixer
1 M.M
1 P. O
1 Lab.
Below
1 Carp
5 Lab.

8 hours each.

Pouring 9 30 to 3 P.M.

h.	7/8	Elev	Gr.	B.	C	Yds	Loss
13	A	278	4	30	124	20.33	
13	B	278					
	9W			7	28	4.66	
			4	37	152	25 00	

Note
1) Foggy - Cool.
2) 21.7.18833 cement
3) 11½ R. - Sand.
4) 3 Test Cyl. taken 27, 28, 29 Set B. Bay 7/8
5) Golden. A.M.

K. = 8
St. = 3
C = 13
L = 20
} 40.
44

10-16-36 Labor 1)

8 hours each
- 1 Superint.
- 1 L-St-F.
- 1 Timekeeper

2) Steel: 22W, 18E, 19W
- 2 Iron Workers
- 1 Apprentice
- 1 Electr. 4h.
- 1 Laborer 4h.

3) Forms-Runways 16E, 17W, 18E, 19W, 20E, 21W,
- 13 Carpenters
- 12 Laborers
- 2 carpenter 4h.
- 1 Laborer 4h

4) Hoist not working.

5) Concrete
- 1 Finisher 19E, 20W.
- 1 Helper
- 2 Laborers painting with brush

1) Rain-cold all day (3") Thunderstorm. El. Plant out of order
2) Electr. from G.E. Co out to check plant.
3) No visitors

K = 9
St = 3
C = 18
L = 24
} 49
54.

Labor 1) 10-17-36

8 hours each
- 1 Superint.
- 1 L-St.F.
- 1 Timekeeper

2) Steel 9E, 10W, 17/18i
- 2 Ironworkers
- 1 Apprentice
- 1 Electr. 6½h. (mostly wiring)
- 1 Laborer

3) Forms.-Runways 18/19; 9/10; 11/12; 13/14; 15/16
- 17 Carpenters
- 4 Laborers

4) Hoist, Mat. Equipm.
- 1 Operator
- 2 Laborer

5) Concrete
- 1 Finisher } stripped 21/22; patching
- 1 Laborer }
- 1 Painter 19E, 20W, 21/22 10 AM to 3 PM
- 1 A.H. Mixer
- 1 M.M.
- 1 P.Op.
- 1 Laborer
- Below
- 1 Carp.
- 10 Laborers

ft.		Elev	Gr	B.	C	Yds	Loss
15.5	22W	263		7	28	4.66	
15	20E	245	8	6	28	4.33	
15	21W	245		6	28	4.33	
			8	19	84	13.33	
15	18E	264	4	6	28	4.33	
15.5	19W	264		7	28	4.66	
			4	13	56	9.00	
		Total for day	12	32	140	22.33	

1) Cool-cloudy all day heavy rain night 16/17
2) Goldenam
3) PM. Elect. Viab. out of order.
4) Sand wet, increased weight 30#

Sunday: raining. 10-18-36

K. = 8
St = 3
C = 11
L = 21
37
43

10-19-36 Labor: 1)

8 hours each.

1 Superint.
1 L-St. Forem.
1 Timekeeper
2) Steel 18/19 ; 9/10
2 Ironworkers
1 Apprentice
1 Electr & wiring.
1 Laborer
3) Forms-Runways 11/12 - 13/14 ; 9/10 20/21
10 Carpenters
5 Laborers
4) Hoist: Mat. Equipm.
Operator (Huff.)
2 Laborers
5) Concrete
1 Finisher } 20/21 ; 22E ; 18/19 ; 21/22 C ; 7/8 Bw
1 Helper
1 Laborer
14E; 19/20: 1 Painter 20/21 ; 12/13 Pouring 9 AM to 11 AM

At Mixer
1 M.M.
1 P.Op
1 Laborer
Below
1 Carp.
4 Laborers

h=		Elev.	Gr.	B.	C	Yds	Loss
15	16E	275.4	A	12	52	8 33	
15	17W	275.4					

1) Rain 18/19; Cloudy-cool
2) L. Todd: back.
3) Cooper, Eng. Insp: Noon
4) Cleatos called off by Jack for grouting plates 2 30 PM.
5) PM. 2 Laborers extra painting with brush.

K. = 9
St. = 3
C = 11
L = 24
42
47

Labor. 1)

10-20-36

8 hours each.

1 Superint
1 Lt. St.-Forem
1 Timekeeper
2) Steel 7/8 ; 20/21 ; 15/16 ;
2 Ironworkers
1 Electr & wiring
1 Apprentice
1 Laborer
3) Forms-Runways 7/8 ; 15/16 ; 17/18 ; 11E; 12W;
10 Carpenters
6 Laborers
4) Hoist: Mat. Equip.
1 Operater
2 Laborers.
5) Concrete
1 Finisher } 21/22
1 Helper
3 Laborers } 9/10 C ; 15/16 C ; 19/20 C Top open not patched.
1 Painter painted all overdue place. Pouring 8 15 AM to 5 PM

At Mixer
1 Mixer Man
1 Pumper
2 Laborers.
Below
1 carp.
4 Laborers.

h	9/10	Elev.	Gr.	B	C	Yds.	Loss
8	A	280	A	39	160	11	
14.5	B.	288				15.8	
15	9E	~280		4.5	18	2.8	
15	10W	~280		4.5	18	2.8	
	Calculated		4	48	196	32 33	
	Hendricks: A 2 Batches lost at Mixer, Hoppen at B. & H			50	204 -8	33 66	1 1/3
15	20E 21W	257.3	8	13	60 -2	9 33	1/3
	Total for day		12	63	214 -10	43 41 1/3	1 1/3

Note
1) Cloudy-cool
2) Golden: AM.
3) Cyl. 27, 28, 29 to Test. Stat Brackman.
4) Material delivered.
5) Set Bw: Bill fills Col 4 first + bot. Beam last: complain to Jack & demanded new foreman (Incase this was repeated.
6) Sack in TRUCK. Loss at Pumper Machine.

K. = 9
St = 3
C = 13
L = 20
38
45

10-21-36 Labor 1)

1 Superint.
1 St-L. Forem.
1 Timekeeper
2) Steel 17/18; 13/14 Diag.
2 Ironworkers
1 Apprentice
1 Electr.
1 Laborer
3) Forms-Runways 7/8; 17/18; 18/19;
13 Carpenters 11/12 Diag
6 Laborers
1 Mixer Man
4) Hoist: Equipm-Mat.
8 hours each: 1 Operater
2 Laborers
1 Pumper op.
5) Concrete
1 Finisher } 16/17; 18/19 B; 9/10 C B; 15/16 C B; 19/20 C B;
1 Helper
3 Laborers
1 Painter 18/19 B; 15/16

Note: 1) Clear, cool AM warm PM,
2) Patching bro to-date.
3) Painting to be done 9W, 7/8 A, B (stripped 19.)
" No Air."
4) No Visitors.

K. = 9
St. = 2
C. = 13
L. = 20
38
44

Labor 1) 10-22-36

1 Superint.
1 St-L-Foreman
1 Timekeeper
2) Steel. 7/8; 20/21
1 Ironworkers
1 Apprentice
1 Electr. & wiring.
1 Laborer
3) Forms-Runways 7/8; 17/18; 18/19; 20/21
12 Carpenters 13/14 Diag. 15/16 Diag.
3 Laborers.
4) Hoist: Mat-Equipm.
8 hours each: 1 Operater & helping Rigger.
2 Laborers
5) Concrete
1 Finishers }
1 Helper.
1 Laborer }
1 Painter (7/8 A & B); 16/17; Pouring 9 A.M. to 1.30 P.M.

	h	7/8	Elev	Gr.	B.	C	Yds	Loss
At Mixer								
1 M. M.	7	A	285	4	36	148	24 33	
1 P. Op					calculated.			
2 Laborers	12	B	230					
Below	Report Hendricks:			8	37	156 - 8	25 33	
1 Carp.				no concrete wasted				
4 Laborers								

Note:
1) Cloudy-cool AM. Sunny P.M.
2) Cooper P.M.
3) Chipping out Strxtt in 9/10

K = 9
St = 2
C = 14
L = 16
33
41

10-23-36 Labor. 1)

1 Superint.
1 L-St-Foreman
1 Timekeeper.
2) Steel. Yard: cutting 9/10 i Cutting Steel in Str. St.
2 Ironworkers
1 Electr. & wiring.
3) Forms-Runways 18/19 i 20/21 i 17/18 16/17.
13 Carpenters
8 hours each.
4) Hoist: Mat. Equipm to Top of Dam
1 Operator
2 Laborer
5) Concrete stripping, patching
1 Finisher 16/17 Bottom
1 Helper
1 Laborer
1 Painter

Pouring 9 AM. to 11 30 A.M.

h.		Elev	Gr.	B.	C	Yds	Loss
15	18E	279.A	8	11	52	8 00	1/3
	19W	279A calc.	8	9.5	46	7 00	2/3
19	20E	272.7	8	15	68	10.66	2/3
	21W	273.3					
		Total for day.	16	26	120	18.66	1 2/3

at least 1 66 yds Loss

At Mixer
1 M.M.
1 P. Op
1 Lababorer
Below
1 Carpenter
3 Laborers

Note.
1) Cool cloudy. AM. Warm sunny P.M.
2) Chipping out Strut in 9/10 & cutting Steel.
3) Loss-Changing Pipe 1/3 } 1 yd.
(1 pipe)-Blow out-80' 2/3 } Forms full AM.
4) Grout in 20E runs through Form to walk.
5) Trouble with Bill about watering 1 P.M.
6) Concrete in 100's of pipe wasted 21W.

K = 7
St = 2
C = 13
L = 16
34
38

69

Labor. 1) 10-24-36

1 Superint.
1 L-St-Forem
1 Timek
2) Steel. 9/10 i 11/12 i Cutting out c
1 Ironworkers
1 Apprentice
1 Laborer
3) Form-Runways. 17/18 i
12 Carpenters
8 hours each. 6 Laborers.
4) Hoist: Mat. Equipm to Top of Dam
1 Operater
4 hours 2 Laborer.
5) Concrete
At Mixer
1 M.M.
1 P.Op.
1 Laborer.
Below
1 Carpent
3 Laborer

Pouring. 10 30 to 12 Noon

h		Elev	Gr.	B.	C	Yds	Loss
15	9W	261	4	6	28	4.33	1/3.

Note.
1) S.D. Engineer Club out 2 PM
J.B. Dixon,
S.I. Fox.
John M. Hegerty
Percy Evans.
J.D. Pyle.
A.B. Mayenhofer
J.J. Jewett.
Ed. R. Drisso.
Arthur L. Reiman
2) U.P. 78035 Cement partly unloaded
3)
Doc Driese
E.E. Wallace
R.D. Luckenbach
H.L. Bodmer
P. Beermann
O.C. Hess.
Anton Mayenhofer
C.M. Eichenlaub
G.R. Hayles (18)
Neale

Sunday: Clear warm. Many waters 10-25-36

K = 6
St = 3
C = 10
L = 22
38
41

10-26-36 Labor 1.)

1 Superint
1 L-St. Foreman
1 Time Keeper
2.) Steel 9/10
2 Ironworkers
1 Apprentice
1 Electr.
1 Laborer
3.) Forms. 11/12 ; 13/14 ;
9 carpenters.
4 Laborers.

8 hours each.
4.) Hoist: Moving to Top of Dam.
1 operator
2 Laborer.

5.) Concrete
1 Fin-Helper } stripping, patching 7/8 ; 20/21
4 Laborers }
1 Painter 7/8 partly.
At Mixer
1 M.M Todd.
1 P.Op.
2 Laborer Above
1 Carp
3 Laborers.

Pouring 12 30 P.M. to 5. 45 P.M.

h	11/12	Elev	Gr.	B.	C.	Yds	Loss
8	A	280	A	39	160	11	
14.5	B	288		4.5	36	15.8	
15	11E	280		4.5		5.6	
15	12W	280					
			A	48.	196.	32.33	
			A	51	208		
Report Todd incld. wast: 2 wet batch in 160 ft of pipe.			A	47	192	31.66	
			P.Cr. Hoppe			1.33	
						1.33	
						2.66	

1) Cool - clear
2) Car: 78035 (Cement) - in.
3.) Golden A.M.
4) 4 Laborers fired.
5) Mixerman Todd not reliable, get rattled.
6) Cooper P.M.
7.) Cleatos - Hendricks absent.

K = 8 =
St = 3 =
C = 9 =
L = 17 =
33
37

10-27-36

Labor. 1.)

1 Superint
1 L.-St. Foreman
1 Time Keeper
2.) Steel 20/21 <Hingston
2 Ironworkers
1 Apprentice
1 Electr. Univirsity
1 Laborer
3.) Forms. 13/14 ; 15/16 ; 17/18 ; 9W ;
8 Carp
2 Lab.

8 hours each
4.) Hoist: Mat.
1 Operator
2 Laborer.

5.) Concrete Stripp. patch - paint
1 Finisher } 20/21 ; 9/10
Helper }
2 Laborers
1 Painter 7/8 ; 9/10 ; 20/21 ;
At Mixer
1 M.M = Hendr.
1 P. Op.
2 Lab. Above
1 Carp
3 Laborers

Pouring: 10 A.M. to 3 30 P.M.

h	13/14	Elev	Gr.	B.	C.	Yds	Loss
8	A	280	4	39	160	11	
14	B	288				15.4	
16	13E	280		10.5	42	7.00	
16	14W	280					
calculated			4	49.5	202	33.33	1.05
Hendricks Report			4	51	208	34.33	

Note:
1) Cool clear A.M
2) U.P. 78035 Cem. last load
3) Fred. insp. 13/14
4) J. H. Chambers
J. Riplogel
5) Cleatos absent. stuck 2
6) 1½ R. coarse, not graded properly. incr. Sand 16# decr 1½ R 54#
7

K. = 8
St = 2
C = 9
L = 18
33
37

10-28-36 Labor. 1)

1 Superint
1 L-St.F.
1 TimeK
2) Steel 11E; 12W;
1 Ironworkers
1 Apprentice
1 Electr. & wiring
1 Laborers
3) Forms 16/17; ; 17/18;
8 Carpenters
4 Laborers
4) Hoist: Mat.
8 hours each (4h=1) Operator
2 Laborers
5) Concrete stripp. patch
1 Finishers 9/10. 9W; 9E; 10W; ; 18/19
Helper
1 Laborer
1 Painter 18/19
1 A+Mixer
1 M.M.
1 P. Op
1 Laborers Above
1 Carp.
4 Laborers

Pouring 8 15 to 4 P.M.

h.	15/16	Elev	G.	B.	C	Yds	Loss
8	A	280	4	39	160	11 / 15.4	
14	B.	288					
15	15E	280	9	36	6.00		
15	16W	280					
Calculated			4	48	196	32.33	
Report Hendricks			4	47 -1	192 +4	31.66	1/3
15	14E	287.5	4	9	40	6.33	1/3
15	15W	287.5					
Total for day		8		56 +1	232 +4	38.00 +.66	

Note
1) Cool-sunny.
2) Rock-Sand on Track
3) Pinvalve used.
4) Breaking Strut# 11/12
5) Golden 9:30 A.M.
6) changed dggr. same as 11/12 R. -25- Sand +25#
7) Cooper - Holmes P. M.
8) Cleatos absent

K. = 8
St = 2
C = 14
L = 18
38
42

Labor 1.

10-29-36

1 Superint
1 L-St. Foreman
1 TimeKeeper
2. Steel. Cutting old steel strut 11/12; setting steel 11/12 12/13; 13/14
1 Ironworker
1 Apprentice
1 Electr. & wiring
1 Laborers
3) Forms 16/17; 11E; 12W; 19/20;
13 Carp.
3 Lab.
4) Hoist: Mat.
1 operator
2 Laborers.
8 hours each 5) Concrete, stripp. patch.
1 Finisher / Helper 11/12.
1 Laborers
1 Painter 11/12;
A+Mixer
1 M.M.
1 P. Op.
2 Laborers Above
1 Carp.
4 Laborers.

Pouring 8 45 A.M. to 2 30

h =	17/18	Elev.	Gr.	B.	C	Yds	Loss
8	A	280	4	39	160.	11 / 15.4	
14	B.	288					
15	17E	280	9	36	6.00		
15	18W.	280					
Calculated			4	48	196	32.33.	
Hendricks Report			4	49 -1	200 -4	33.00 -.66	3/6
15	16E	289	4	9	40	6.33 -.33	.33
15	17W	289					
Calculated						6.00	2
Total for day			8	58	240	39.33	

not loss.

Note:
1.) Cloudy cool A.M. & P.M.
2.) Cleatos absent
3) Breaking Strut# 13/14.
4) Rock - Sand on Track.
5) Support taken out AB 20/29
6) Cutting of Steel Strut# 13/14 -3" on one side.

K = 8
St = 3
C = 11
L = 16
35
38

10-30-36 Labor 1.)
1 Superint
1 L.-St. Forem.
1 Timekeeper
2.) Steel. 13/14 ; 9/10.
2 Ironworkers
1 Apprentice
1 Laborer
1 Electr. & wiring
3.) Forms 11/12; 13/14;
10 Carpenters
3 Laborers
4.) Hoist-Mat-Equipm.
1 Operator
2 Laborers
8 hours each
5.) Concrete Stripp. patch 13/14
1 Finisher, Helper
1 Laborer
1 Painter 13/14.
At Mixer
1 M. M.
1 P. Op.
2 Laborers
Above
1 Carpenter
4 Laborers

Pouring 9:30 to 4:30

h.		Elev.	Gr.	B	C	Yds	Loss
15	12E	286.7	4	9	40	6.33	-.33
15	13W	286.1					
15	10E, 11W	285	4	9	40	6.33	-.33 no waste
			8	18	80	12.66	
12	9E, 10W	288	4	6.5	30	4.66	-.33
12	A	292		14.5	58	9.66	-.33
Calculated			4	21	88	14.33	
Hendrick's Rep.			4	21	88	14.33	-.166
Total for day			12	39	168	27.00	

AM PM
1.) Cool-cloudy. Sunny
2.) Breaking out Strutt 16/16
Cu Hdng off Steel 15/16-3
3.) Cement 7 P.M. after pour
84 Sacks
4.) Cleatos absent.
5.) 1/3 yd. wasted by moving from 9 E to A.
(Pipe 87') 22 - 10 = 12 ft³ = 1/3
6.) Sand very fine

K = 7
St = 2
C = 11
L = 13
33
33

Labor 1.) 10-31-36
1 Superint
1 St-L-Forem.
1 Timekeeper
2.) Steel 11/12; 13/14;
2 Ironworker
1 Laborers
3.) Forms - 17/18; 15/16; 13/14; 11/12;
10 Carpenters
3 Laborers
4.) Hoist-Mat.
1 Operater
8 hours each 2 Laborers
6.) Concrete Stripp. patch
1 Finisher 15/16 Diag
1 17/18 Diag
1 Laborers
At Mixer
1 M. M.
1 P. Op.
2 Laborers
Above
1 Carp.
4 Laborer

Pouring 8:30 to 3 P.M.

h	11/12	Elev.	Gr.	B.	C	Yds	Loss
8	11E, 12W	288	4	4.5	22	3.33	
12	A	292		14.5	58	9.66	
			4	19	80	13.00	
8	13E, 14W	288	4	4.5	22	3.33	
12	A	292		14.5	58	9.66	
			4	19	80	13.00	
Total for day			8	38	160	26.00	

1.) Early rain. 9:30 AM Cent 006
2.) 47 7/4 43 Carr. Cement
3.) Sand very fine
1½ R - 25 # Sand + 25 #
4.) Strut 17/18 broken out
5.) Cleatos back.

Sunday. Rain night 31/1 Moye waters. 11-1-36

K. = 9
St = 3
C = 14
L = 21
41/47

11-2-36 Labor.: 1)

8 hours. each
- 1 Superint
- 1 St-L-Foreman
- 1 TimeKeeper
- 2) Steel. 17/18; 9/11
- 2 Ironworkers
- 1 Apprentice
- 1 Electrician
- 1 Laborer.
- 3) Forms. 15/16; 17/18. 9/10.
- 13 Carpenters.
- 4 Laborers.
- 4) Hoist Mat.-Equipm.
- 1 Operator
- 2 Laborers
- 5) Concrete stripp. patch.
- 1 Finisher } 15E; 16W
- 1 Helper } 17E 18W
- 2 Laborers
- 1 Painter 15E, 16W, 17E, 18W.
- At Mixer
- 1 M. Man
- 1 P. Op
- 2 Laborers Above
- 1 Carpenter
- 3 Laborers

Pouring 1 PM to 4 30 P.M.

h =	15/16	Elev	Gr.	B.	C.	Yds	Loss
8	15E	288	4	4.5	22	3 33	
8	16W						
12	A	292		14.5	58	9 66	
Total for day.			4	19	80	13 00.	
Hendricks R			4	20 -1	84 -4	13 66 -166	2 1/2

Note
Cloudy Cool 9 A.M. 54 mm P.M.
2) Golden 9 A.M.
3) Cooper P.M.
4) 15E - Top 5' only tamped with Stick
5) 1 Carp. Nail in Thumb. went home 2 P.M.

11-3-36 Election Day. Cold; heavy wind.

K. = 8
St. = 3
C = 13
L = 16 1/2 = 32 + 6/2 / 38 + 6/2

11-4-36

Labor.. 1)

4 hours
- 1 Superintendent
- 1 L-St-Foreman

4 hours.
- 1 TimeKeeper
- 2) Steel. 9/10 horiz. 11/12 hor;
- 2 Ironworkers } bending steel in yard.
- 1 Apprentice
- 1 Electricians
- 1 Laborer
- 3.) Forms.- 17/18; 18E; 19W; 9/10 horiz; 11/12 horiz. & 9/10 Columns
- 12 Carpenters

4 hours ea. 8 hours each
- 4 Laborers.
- 4) Hoist: Mat. Equipm.
- Operator (Huff;)
- 2 Laborers
- 5) Concrete stripp patch.
- 1 Finisher } 15/16; 14E; 15W;
- 1 Helper
- 1 Laborers
- 1 Painter.
- At Mixer
- 1 M.M.
- 1 P. Op.
- 2 Laborer
- Above
- 1 Carpent
- 3 Laborers

Pouring 2 PM to 4 30 P.M.

h.	17/18	Elev.	Gr.	B.	C.	Yds	Loss
8	17E	288	4	4.5	22	3 33	
8	18W						
12	A	292		14.5	58	9 66	
Total for day.			4	19	80	13 00	
Hendricks			same				

Notes:
1) Frost night 31+; clear. cold;
2) Rest of Cement unloaded.
3) Cooper P.M.
4) Jack Roller + 4 Lab. to Court 12 Noon

K = 9
St = 5
C = 13
L = 21
41/48

11-5-36 Labor: 1)
1 Superint.
1 St.L-Forem.
1 Timekeeper
2) Steel 11/12; 13/14; 15/16. 17/18 horiz. ties.
4 Ironworker
1 Apprentice
1 Electrician
1 Laborer
3) Forms- 9/10; 11/12; 13/14; 15/16 horiz. ties.
12 Carpenters
4 Laborers
8 hours each.
4) Hoist: Mat. Equipm
1 Operator
2 Laborers
5) Concrete strip. patch & painted.
1 Finisher } 15/16; 13/14
1 Helper }
1 Laborer }
0 Painter
At Mixer
1 Mixer M
1 P. Op.
2 Laborers
Above
1 Carpenter
4 Laborers

Note:
1) First night 4/5 Clear, sunny.
2) 9W. Form bulges out between 6 Hs. about 1½" at 9 in 9/10 A.
3) Chambers says he keeps time for putting in extra steel in horiz. ties
4) Jimmy-Painter. off. Nail in foot.

Pouring 11:30 to 4:30 P.M

h=	9/10	Elev.	Gr.	B.	C	Yds	Loss
	9E 10W	299.5		3	12	2.00	
2	9E- 294 10W- 294			7.5	30	5.00	
8	A	300		16.5	66	11.00	
5.9	B.	293.9		6.6	26	4.40	
10	9W	298	4	4	20	3.00	
Total for day, calc.			4	37.5	154	25.40	
Hendricks Report			4	39 -1.5	160 -6	26.33 -1	

K. = 9
St. = 5
C = 12
L = 20
41/46

11-6-36 Labor: 1)
1 Superint.
1 St-L-Forem
1 Timekeeper
2) Steel: 19/20; 17/18; 15/16;
4 Ironworkers
1 Apprentice
1 Electrician
1 Laborers
3) Forms 13/14; 15/16;
11 Carpenters
4 Laborers
8 hours each.
4) Hoist: Mat. Equipm
1 Operator
2 Laboror
5) Concrete patching, stripping
1 Finisher } 15/16; 17/18
1 Helper }
1 Laborer }
1 Painter 15/16; 13/14;
At Mixer
1 M.M.
1 P. Op.
2 Laborer
Above
1 Carp.
4 Laborers

Note:
1) Cool sunny A.M. Warm P.M.
2) Pyle-Austin A.M.
3) Cyl. taken 11/12 B. No. 30-31-32
4) Hendricks starts to count Cement needed for day, before pouring

Pouring 9:30 to 2:30

h=	11/12	Elev.	Gr.	B.	C	Yds	Loss.
	NE 12W	299.5	4	2.5	14.	2	
2	11E- 12W-	294		7.5	30	5	
8	A	300		16.5	66	11	
5.9	B.	293.9		6.5	26	4.40	
Total for day. calcul.			4	33.	136	22.40	
Hendricks Report is off.			4	36 -3	148 -12	24.33 -2.00	none.

K. = 8
St = 5
C = 11
L = 17 } 41

41

11-7-36 Labor. 1.)

1 Superintendent
1 L. St. Foreman
1 Time Keeper

2.) Steel 13/14; 15/16; 17/18

4 Ironworkers
1 Apprentice
1 Electrician
1 Laborer

3.) Forms 15/16; 17/18

10 Carpenters
6 Laborers

4.) Hoist: Material - Equipm.

8 hours each
1 Operator
2 Laborers

5.) Concrete stripping, patching

1 Finisher } 17/18; 15/16
1 Laborer }
1 Painter 17/18; 15/16;
1 Mixer
1 M. M.
1 P. Op.
2 Laborers Above
1 Carpenter
5 Laborers

Note:
1.) Clear - Cool A.M. Warm P.M.
2.) Sand & Rock on Track.
3.) Bay 15/16 H. poured about 1/3 yds. left over.

Pouring 8 AM to 4.30 P.M.

H.	13/14	Elev.	Sr.	B.	C	Yds	Loss
	13E 14W	299.5	4	2.5	14	2.00	
2.	13E- 14E-	294		7.5	30	5.00	
8	A	300		16.5	66	11.	
5.9	B.	293.9		6.5	26	4.40	
Total calc.			4	33.0	136	22.40	
Hendricks Rep.			4	34 -1	140 -4	23.00 -.66	
	15E 16W	299.5	4	2.5	14	2.00	
2.	15E- 16W-	294		7.5	30	5	
8.	A	300		16.5	66	11	
5.9	B	293.9		6.5	26	4.40	
Total calc.			4	33	136	22.40	
Hendricks Rep.			4	34	140	23 -.66 2/3	
Total for day			8	1.0 -1/2	250 -3	44.80	

K. = 8
St. = 4
C = 13
L = 20 } 39

45

Sunday Jesse Moye waters. 11-8-36

Monday 11-9-36

Labor: 1.)

1 Superintendent
1 L. St. Foreman
1 Timekeeper

2.) Steel 14/15

3 Ironworkers
1 Apprentice
1 Electrician
1 Laborer

3.) Forms 17/18; 9W; 10/11; 9/10. 12/13

8 hours each
12 Carpenters.
3 Laborers

4.) Hoist: Mat. - Equipm.

1 Operator (Cronk & Huff)
2 Laborers

5.) Concrete

1 Finisher } stripp. patch
1 Helper } 9/10; 9W; 11/12
1 Laborer }
1 Painter 9/10
1 Mixer
1 M. M.
1 P. Op.
1 Laborer Above
1 Carpenter
5 Laborers

Note:
1.) Clear, cool early then warm
2.) 3/4" 1½ R & Sand.
3.) after pour 8 Sx Cement left.

Pouring 10 AM to 4.30 P.M.

h.		Elev.	Sr.	B.	C	Yds	Loss
15	9W		4	4	20	3.00	
	17E 18W	299.5	4	2.5	14	2.00	
2.	17E- 18W-	294		7.5	30	5.00	
8	A	300		16.5	66	11	
5.9	B	293.9		6.5	26	4.40	
			4	33	136	2240	
Calc. Total for day			8	37	156.	25.40	
Hendrix Report.			8	38 -1	160 -4	26. -.66	

K = 9
St = 3
C = 13
L = 21
40
46.

11-10-36 Labor 1)

1 Superintendent
1 L- St. Foreman
1 Timekeeper.
2) Steel; 18/19
2 Ironworker
1 Apprentice
1 Electrician
1 Laborers
3) Forms 9/10; 12/13; 18/19; 14/15
12 Carpenters
4 Laborers
8 hours each
4) Hoist: Mat Equipm.
1 Operator
2 Laborers
5) Concrete stripp patch.
1 Finisher 12/13; 13/14
1 Helper
1 Laborer
1 Painter 11/12; 13/14
A+ Mixer
1 M.M.
1 P.Op.
1 Laborer Above
1 Carp
5 Laborer

1) Clear-cool A.M. Warm P.M.
2) UP 19878 Cement
3) Graft out P.M.
4) Leaves 11-11-36 for L.A.-
5) Golden out A.M.

Pouring 11:30 to 4 P.M.

	Elev.	Gr.	B.	C	Yds.	Loss
10E, 11W	299	4	7	32	5.00	
12E	300		10	40	6.66	
13W	299					
Hendricks & calcu	Reported	4	17	72	11.66	

K = 9
St = 3
C = 13
L = 21
39
46

Labor: 1) J. Move waters Armistice Day. 11-11-36.
Laber: 2) Pgh, Bierman, Buvalda, Hill 11-12-36.

1 Superintendent
1 L- St - Foreman
1 Time Keeper.
2) Steel 9/10i
2 Ironworkers
1 Electr
1 Apprentice
1 Laborer
3) Forms 18/19 : 14/15 i 19/20i
12 Carpenters.
4 Laborers & enloading Cement.
4) Hoist: Equipm. Mat.
1 Operator
5 hours. 2 Laborers.
5) Concrete stripp. patching.
1 Finisher 13/14
1 Helper
1 Laborer
1 Painter
A+ Mixer
1 M.M.
1 P. Op.
1 Laborer Above
1 Carp
4 Laborer

Note
1) Clear-Cool.
2) Finished Car UP 19878 (Cem)
3) Baker hurt right Foot 8:30 P.M.

Pouring 8 A.M. to 4:30 P.M.

h.		Elev.	Gr.	B.	C	Yds.	Loss
12	9E	308.5	4	3.5	18	2.66	
	10W	307.					
	A	312 W		14.5	58	9.66	
		311.5 E					
			4	18	76	12.33	
	14E, 15W	297	4	8.5	38.	6.00	
	18E, 19W	289		8	32	5.33	
			4	16½	70	11.33	
Calc. & Hendricks Report.	Total for day		8	34.5	146	23.66	

K. = 9
St = 3
C = 12
L = 21
39
45

11-13-36 Labor: 1)

- 1 Superint
- 1 L-St-Forem
- 1 Time Keeper

2) Steel 10/11 i

- 2 Ironworkers
- 1 Electr.
- 1 Apprentice
- 1 Laborer

3) Forms 10/11 i 19/20 i 20/21 i 11/12

- 12 Carpenters
- 4 Laborers

4) Hoist: Mat. Equipm.

8 hours each

- 1 Operator
- 2 Laborers

5) Concrete

- 1 Finisher
- 1 Helper
- 1 Laborer
- 1 Painter

stripp. patch.

- 1 Mixer
- 1 M. M.
- 1 P. Op.
- 2 Laborers Above
- 1 Carp.
- 4 Laborers

Note
1) Clear-warm A.M. Hot P.M.
2) Cooper: noon
3)

Pouring 10 AM to 3 P.M.

h		Elev	Gr	B.	C.	Yds	Loss
20E 21W		282 282	4	9	40	6,33	
11/12 A		312	4	14	60	9,66	
calculated & Hendricks Rep.			8	23	100	16,00	

K. = 8
St = 8
C = 13
L = 20
39
44

11-14-36

Labor 1)

- 1 Superint
- 1 L-St-Forem
- 1 Time Keeper

2) Steel

- 2 Ironworkers 13/14 i 15/16 i 17/18 A
- 1 Apprentice
- 1 Electr.
- 1 Laborer

3) Forms 13/14 i 15/16 i 17/18 A

- 12 Carpenters
- 4 Laborers

4) Hoist

8 hours each

- 1 Operator
- 2 Laborers

5) Concrete

- 1 Finisher
- 1 Helper
- 1 Laborer
- 1 Painter
- 1 Mixer
- 1 M. M.
- 1 P. Op.
- 1 Laborer Above
- 1 Carp.
- 4 Laborers

Note
1) Clear-cool A.M. warm
2) Golden A.M.
3.) Bauce to S.D.
4.) Brackmann looks after pour.

11 A.M. Pouring concrete to 4 P.M.

h.	19/20	Elev	Gr.	B.	C	Yds	Loss
15	19E	282	4	9	36	6 00	
15	20W						
8	A	280	4	39	160	11.	
14	B	288				15. 4	
Calculated Hendricks			4	48	196	32,33	
			4	49 -1	200 -4	3300	-.66
	16E 17W	296.5	1)	7	28	4.66	
			4	56 -1	228 -4	37,66	-.66

Sunday: J Moye Waters

11-15-36

K = 8
St = 3
C = 11
L = 17
35
39

11-16-36 Labor: 1)

1 Superintendent
1 St-L-Foreman
1 Timekeeper
2) Steel 10/11; 11/12; 12/13; 14/15; 16/17
2 Ironworkers
1 Apprentice
1 Electr.
1 Laborer
3) Forms 10/11; 11/12; 12/13; 14/15; 16/17
10 Carpenters
3 Laborers
4) Hoist
Operator (H+S)
8 hours each 2 Laborers
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
A1 Mixer
1 M.M.
1 P. Op
1 Laborer Above
1 Carpenter
4 Laborer

Note.
1) Clear-cool A.M. Warm P.M.
2) Irving B. Crosby; Convers S.M. AM
3) Nielson out P.M.
4) Brackmann looks after pour.

gam Pouring Concrete 3 PM

h		Elev	Gr.	B.	C	Yds	Loss
12	13/14 A	312	4	14	60	960	
12	15/16 A	312		14	56	933	
12	17/18 A.	312		14	56	933	
Hendricks Report.			4	42	172	28.33	
calculated						27.70	

K = 9
St. = 2
C = 11
L = 18
35.
40

11-17-36.

Labor: 1)
1 Superint.
1 L St. Foreman
1 Timekeeper
2) Steel
2 Ironworkers.
1 Electrician
1 Laborer
3) Forms.
10 Carpenters
3 Laborers.
8 hours each
4) Hoist
1 Operator
2 Laborers
5 Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
A1 Mixer
1 M.M.
1 P. Op
1 Laborer Above
1 Carp
4 Laborers.

Note
1) Clear-cool A.M. Warm P.M.
2) Nielson
3) Brackmann looks after pour.

Pouring 10.30 to A 2.20 P.M.

Elev.		Gr.	B.	C	Yds	Loss
310	10E 11W	4	4.5	22	3.33	
310	11E 12W		4.5	18	3.00	
309	12E 13W		4.5	18	3.00	
308	14E 15W		4.5	18	3.00	
308	16E 17W		4.5	18	3.00	
Hendricks & calcul.		A	22.5	94	15.33	

K = 9
St = 2
C = 11
L = 16
34.
38

11-18-36

Labor 1)

8 hours each

1 Superint
1 L-St-Foreman
1 Timekeeper

2) Steel
2 Ironworker
1 Electr
1 Laborer.

3 Forms.
10 Carpenters
3 Laborers

4) Hoist
1 Operator
2 Laborers

5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
At Mixer
1 Mixer Man
1 P. Op
1 Laborer
Above
1 Carpenter
4 Laborers

Pouring 9:30 AM to 2:30 P.M

h.	21/22	Elev.	Gr.	B.	C.	Yds.	Loss
16.26	21 E	281.	4	8	36	3.01	
15.55	22 W	280.5				2.88	
11	B,	285		20	80	12.90	
8	A	280		16.5	66	11.04	
Hendricks Report			4	48.5	198	32.66	2.66
Calculated			4	44.5	182	29.83	

Note.
1) Clear - warm
2) 200 Bars - Steel 1¼ □ 20'lg = 21252 lb
3) 16 Sx Cement left over at 4:30 P.M
4) Baker to S. Diego
5) Brackmann 12 bolts after pour.
6) Columns in B poured to 285 instead to 288.

K = 10
St = 3
C = 11
L = 15
32
39

Labor. 1

8 hours ea

1 Superint.
1 L.-St. Foreman
1 Timekeeper

2) Steel
2 Ironworkers
1 Electr.
1 Laborer
1 Apprentice

3) Forms.
11 Carpenters
4 Laborers.

4) Hoist
1 operater
2 Laborers

5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
1 M. Man
1 Pumper Op.

Note
1) Stormy, Clear, hot
2) Quick setting Cement (Velo) 200 Sx.
3) Holmes: Noon.
4. Matheuson P.M.
5) 1 Car. Riverside

89

11-19-36

K = 10
St = 3
C = 11
L = 16
37
40

11-20-36 Labor.

1) Superint.
1 L-St Forem.
1 Timekeeper
2) Steel.
2 Ironworker
1 Electr.
1 Apprentice
1 Laborer.
3) Forms.
10 Carpenters
4 Laborers
4) Hoist
8 hours each { 1 Operator, 2 Laborers.
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
Af Mixer
1 M.M.
1 P. Op
1 Labgrer
Abore
1 Carp.
4 Laborer

Note
1) Clear- warm.
2) Brockmann looks after Concrete.
3.) Golden-Vanderberg. (Insurance)
4) Cement enloading finished (200+1000) Sacks.

⊖ AM to 4:30 P.M.

Pouring Concrete

h		Elev.	Gr.	B,	C	Yds	Loss
15	9W.	287	4	3,5	16.	280	
12	13E } 14W }	308		3.5	14	221	
13.43	15E 16W }	309		3,5	14	2 33	
12.72	18E 19W }	298		5	20	3 33	
8.48	19E 20W }	288		5	20	3 33	
12	19/20 A	292		14.5	58	9,66	
				-3	-12	-2	
	Hendricks		4	38	156	25.66	
	Calculated		4	35	144	23.66	

K = 8
St = 2
C = 10
L = 13
29
33

11-21-36

Labor: 1.)

1 Superint.
1 L-St Foreman
1 Timekeeper
2.) Steel 19/20
1 Ironworkers
1 Apprentice
1 Laborer
3.) Forms. 9/10; 10
8 hours each { 10 Carpenters. 4 Laborers.
4.) Hoist: Mat. Equipm
1 Operator
2 Laborers.
5.) Concrete.
1 Finisher } Stripping patching.
1 Helper
1 Laborer
1 Painter
1 Mixer Man
1 Pumpcrete Op.

Note
1) Clear; warm.
2) Rock & Sand in.
3) [illegible] of Concrete

Sunday: Jesse Moye waters.

11-22-36

K. = 9
St. = 3
C = 10
L = 18
40

11-23-36 Labor. 1.

8 hours each

1 Superintendent
1 St-L-Foreman
1 Timekeeper
2) Steel 21/22; 9W, 20W, 21E.
2 Ironworker
1 Apprentice
1 Electrician
1 Laborer
3) Forms 20/21; 13/14 & forms face wall.
10 Carpenter 21/22;
16 Laborers
4) Hoist
1 Operator (Huff)
3 Laborers
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter

Note
1) Clear cool-
2) Golden P.M.

K. = 9
St. = 6
C = 10
L = 19
44

Labor. 1.

93

11-24-36

1 Superint.
1 St.-L-Foreman
1 Timekeeper
2) Steel Facerrail.
5 Ironworkers Facerrail { 1 Ironworker helps Rigger
1 Apprentice
1 Electr.
1 Laborer.
3) Forms 21/22 & Facerrail.
9 Carpenter
8 hours each 4 Laborers
4) Hoist
Operator Huff.
2½ h 3 Laborers
5) Concrete 19/20
1 Finisher } stripped, patched painted.
1 Helper
1½ h. 1 Laborer
1 Painter
At Mixer 11 A.M. Pouring Concrete 3 30 P.M.
1 M.M.
1 P. Op.
1 Laborer
Above
1 Carp.
4 Laborers

h		Elev	Gr.	B	C	Yds	Lasc.
	9W	298	4	4	20	3 00	yds
	20E	298		4.5	18	3 00	
	21W	299.		4.5	18	3 00	
Hendricks Report.			4	13.	56	9 00	1/4
Calcul. same							

Note
1) Clear, cool: A.M.
2) Sand & Rock on track

K. = 10
St = 6
C = 10
L = 16
37.
42

11-25-36

Labor: 1.
1 Superint.
1 L-St-Foreman
1 Timekeeper
2) Steel. Facewall & 21/22
5 Ironworkers (1 W. helping rigger)
1 Apprentice — 1 Welding 3 hours.
1 Electrician
1 Laborer
3) Forms. 21/22 ; 17E, 18W.
9 Carpenters
2 Laborers.
A) Hoist
8 hours each: 1 Operator. 2 Laborers
5) Concrete
1 Finisher
1 Helper.
1 Laborer
1 Painter
A-Mixer
1 MM.
1 P. Op
1 Laborer
Above
1 Carp.
Note: 4 Laborer

Total Report.

Total Rep.	8	57.5	238	33.29	-1/2	

Pouring concrete 8:30 A.M. to 4 P.M.

h	21/22	Elev.	Gr.	B	C	Yds	
12	A	292.		14.5	58	9.66	
3	B	288		3.5	14	2.33	
8	21E } 22W }	287	A	4.5	22	3.33	
Hendrick;			4	23	96	15.66	1/2
Calculated.			4	22.5	94	15.33	
13	19E } 20W }	298	4	3.0	16	2.33	
2	19E } 20W }	294		7.5	30	5	
8	A	300.		16.5	66.	11	
5.9	B	293.9		6.5	26.	4.40	0.66
Hendrick's Report			4	34 1/2	142	23.33	
Calculated			4	33 1/2	138	22.73	0.6

1) Clear-cool.
2) Cyl. taken 21/22 - Diag. Nos 34, 35, 36 Sp. Imp. 2 1/2
3)

K. = 10
St = 1
C = 10
L = 17
35
41

Thanksgiving. 11/26-36

11-27-36

Labor: 1.
1 Superint.
1 L-St-Foreman
1 Timekeeper
2) Steel. Facewall 21/22 ; 19/20 A.
3 Ironworkers (incl. 1 welding)
1 Apprentice
1 Electr.
1 Laborer.
3) Forms - 21/22 17E, 18W.
8 hours each: 10. Carpenter. 4 Laborer.
A) Hoist
1 Operator
2 Laborer
5 Concrete stripp patch.
1 Finisher
1 Helper
4 Laborer
1 Painter

Note: 1) Cloudy - cool
2) Cooper out A.M.
~~3) Hill takes Cyl 34-35-36 to test Sat~~

K. = 10
St. = 4 } 32
C. = 10 } 39
L. = 15

11-28-36 Labor 1)

1 Superint
1 L. St. Foreman
1 Timekeeper
2) Steel Facewall, 22E
3 Ironworker (incl. Welding)
1 Apprentice
1 Electr.
1 Laborer.
3) Forms Facewall B. 9, B. 10,
9 Carpenters
1 Laborer
4) Hoist
1 Operator
1 Laborer
5) Concrete
1 Finisher
1 Helper
1 Painter
Pump
1 Mixer
1 M.M.
1 P. Op
1 Laborer
Above
1 Carp
4 Laborer

8 hours each

Note
1) Cool - clear
2) Pyle 8 a.m.
3) Haelsig-Bierman R.M.
4) Riv. Com. left 364
Velo 194.
5) Golden out A.M.

Pouring Concrete 9 A.M. to 4.30 P.M.

h.	21/22	Elev.	Gr.	B.	C.	Yds.	Loss
13	21E	298.3	4	3.00	16	2.33	
	22W	297.8					
2	21E-22W-	29A		7.5	30	6.00	
8	A	300		16.5	66	11.00	
5.9	B	293.9		6.5	26	4.40	
Calculated			4	33.5	138	22.73	
Hendricks R.			4	33.5	138	22.66	
	17E	308	4	4.0	20	3.00	
	18W	308					
12	19/20	312		14.00	56	9.33	
	A						
Calculated			4	18	76	12.33	
Hendricks Rep			4	18	76	12.33	
Total for day			8	51.5	214	35.00	

11-29-36 Sunday.

K = 10
St = 3 } 29
C = 7 } 36
L = 16

Labor 1)

11-30-36

1 Superint
1 St. L. Foreman
1 Timekeeper
2) Steel Facewall B. 11, 12, 13,
2 Ironworkers
1 Apprentice
1 Electrician
1 Laborer
3) Forms Facewall.
7 Carpenters
4 Laborers

8 hours each

4) Hoist
1 Operator
2 Laborers
5) Concrete
1 Finisher } stripping
1 Helper } patching
4 Laborers
1 Painter

Note
1) Cool - clear
2) Cyc. taken to Testing Station
3) Bauer to Dr. Rico 2 P.M.

K. = 10
St. = 1
C = 7
L = 17
28 / 35

12-1-36

Labor. 1.)

8 hours each
1 Superint
1 L-St. Form.
1 Timekeeper
2) Steel: Facewall
1 Ironworker
1 Electr.
3) Forms: Facewall B. 13. 18E. 19W. 21/22 A.
6 Carpenters
2 Laborers
4) Hoist. Mat. Equipm.
1 Operator.
2 Laborers
5) Concrete
1 Finisher } Stripping
1 Helper } patching.
1 Laborer }
1 Painter }
At Mixer
1 M.M.
1 P. Op.
1 Laborer
Above
1 Carpenter
4 Laborers

Facewall in Buttress. Pouring Concrete 8:30 to 1:10

h		Elev	Gr	B.	C	Yds
14	9	329.	4	3	16	2.33
	10		4	3	16	2.33
	11			3.5	14	2.33
	12			3.5	14	2.33
	13			3.5	14	2.33
Hendrix Report.			8	16.50	74 V	11.66
Calculated. same						305 ft³ inst. 315 ft³

1) Clear, cold, stormy PM. warm
2) Using Velo Cement
3) V - Velo - Cement

to 4:15 P.M. 12-1-36

h		Elev	Gr	B.	C	Yds	Loss
17	9W	310	4	2.5	14	2.00	
Hendrix							
Calculated.		same.					
Total for day		12	29	88	13.66		

K. = 9.
St. = 3
C. = 9
L. = 16
31 / 37

12-2-36

Labor. 1.)

8 hours each
1 Superint
1 L-St. Foreman
1 Timekeeper
2) Steel Backs 1/2p. 9/10; 10/11; 11/12; 12/13
1 Ironworker.
1 Apprentice.
1 Laborer
3) Forms. 21/22 A.
8 Carpenters
2 Laborers.
4) Hoist Mat. Equipm.
1 Operator.
2 Laborers
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
At Mixer
1 M.M.
1 P. Op.
1 Laborer.
Above
1 Carp.
4 Laborers.

Concr. pouring 8:30 to 12:M.

h		Elev	Gr.	B.	C	Yds	Loss
17	18E	310.	4	4.5	22	3.33	
	19W	310.					
12	21/22	312.		14.5	58	9.66.	
Hendr. & calc.			4	19	80	13.00	

1.) Cool clear.
2) Golden A.M.
3)

K. = 10
St = 4
C = 10
L = 16

33
40

12-3-36

Labor 1.)

1 Superint.
1 L. St. Forem.
1 Timekeeper.

2.) Steel 22/23; 9/10; 10/11; 11/12; 12/13.

3 Ironworker incl. 1 Welding.
1 Apprentice
1 Electr
1 Laborer.

3.) Forms. Backslap 22/23

8 hours each

10 Carpenters 9/10; 10/11; 11/12; 12/13
4 Laborers.

4.) Hoist.

1 Operator
2 Laborers

5.) Concrete

1 Finisher
1 Helper
4 Laborer.
1 Painter

Note: 1.) Cool - clear

K = 10
St = 4
C = 9
L = 16

35
39

Rigger Crank = 4 horn

101

12-4-36.

Labor 1.)

1 Superint
1 St-L-Forem.
1 Timekeeper

2.) Steel

3 Ironworker incl. 1 welder 9/10; 11/12
1 Apprentice.
1 Electr.
1. Laborer

3.) Forms. 9/10; 11/12

8 Carpenters.

4 hours

3 Laborers.

4.) Hoist

8 hours each

1 Operator.
2 Laborers

5.) Concrete

1 Finisher
1 Helper
1 Laborer
1 Painter
1 Mixer
1 M.M.
1 P. Op.
1 Lab.
1 Labore
1 Carp
4 Laborer

Note
1.) Rain - cloudy, also night before Rain.

Pouring concrete 8:30 AM to 4:15 P.M.

h		Elev	Gr.	B.	C	Yds	Loss
12	9E 10W	317	A	2.75	15	2.15	
15	10E 11W	comp.		4.75	19	3.15	
12	11E 12W	317		3.25	13	2.15	
15	12E 13W	comp.		4.75	19	3.15	
			1	15.50	66	10.66	
16.	22E 27.8		1½	5.5	28	4.15	
10	23W 27.95			3.5	14	2.33	
Hendricks & calc. 1.5				9	42	6.50	
Total for day. 2.5				24.50	108.	17.16	

K. = 8
St = 4
C = 8
L = 11
29.
31.

12-5-36 Labor 1.

1 Superint.
1 St-L-Foreman
1 Timekeeper
2) Steel 13/14; 15/16; 19/20.
3 Ironworker (incl. 1 Welder)
1 Apprentice
1 Electrician
1 Laborer
3) Forms 13/14; 15/16; 19/20.
7 Carpenters
1 Laborers
4) Hoist
8 hours each: 1 Operator, 1 Laborer
5) Concrete
1 Finisher
1 Helper
1 Painter
1 [illegible] At Mixer
1 M.M.
1 P.Op.
1 Laborer Above
1 Carp
3 Laborers

Pouring 9 AM to 12 M

h		Elev	Gr.	B	C	Yds	Loss
8	9/10 A	320	4	16	68	11.04	
8	11/12 A	320		16.5	66	11.04	
Calculated			4	32.5	134	22.08	
Finished	9E			0.75	3	0.50	
	10W			-2	-8	-1.3	
	11E			0.75	3	0.50	
	12W						
				1.50	6	1.00	
Total for day calcul.			4	34.	140	23.08	
Total - Hendr. R.			4	34.5 -1/2	142 -2	23.33	

Note.
1) Cold-Clear
2) Cooper-out 9 A.M.
3) Cyl. 37, 38, 39, taken by Brackman. Boy 9/10 - A Slump 1 1/2
4) 6 Sk Riv. Cement left.
5) Belt - Beeman P.M.

12-6-36 Sunday

K = 9
St = 4
C = 9
L = 16
33
38

Labor. 1)

12-7-36

1 Superint.
1 L-St-Forem.
1 Time Keeper (14 to 18)
2) Steel
3. Ironworker (incl. 1 Welder)
1 Apprentice
1 Electr.
1 Laborer
3) Forms 15/16 A, 13/14 A (Backslap 14 to 18) 22E, 23E.
8 Carpenters
8 hours each: 3 Laborers
4) Hoist
0 Operator Hoist.
2 Laborers
5.) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
At Mixer
1 M.M.
1 P.O.
1 Laborer
Above
1 Carp.
3 Laborers

Pouring 8 30 AM to 5 PM

h		Elev	Gr.	B	C	Yds	Loss
298	17	19E 310	4	11.50	50	3.15	✓
298	17	20W 310				1.43	
298	15.5	20E 309				1.30	
299	14.5	21W 309				2.00	
279	10.5	23W 290					
Calcul.			1 -	11.50	50	7.88	
Hendr. Report.			1	20.	84	13.66	
				-8.5	-34	-5.78	

Note
1) Frost. Clear
2) Car Cement 1000 S. No. KR 78035
3) 975 Riv. + 25 Velo. = 1000
4) Pumper. Mach. out of Com. Large amount of concrete wasted.

K. = 10
St 9
C. 9
L. 20
34
43.

12-8-36 Labor 1.

1 Superint
1 St-L-Foreman
1 Timekeeper
2) Steel Backslaps 14, 15, 16, 17, 18. 22/23 23/24
3 Ironworkers (incl. 1 Welder)
1 Apprentice
1 Electr.
1 Laborer
3) Forms Backslaps 14, 15, 16, 17, 18. 15/16 A. 17/18 A.
8 Carp.
2 Laborers.
4) Hoist
8 hours each
1 Operator
2 Laborer.
5) Concrete
1 Finisher
1 Helper
1 Painter
1 Laborer
At Mixer
1 M.M.
1 P. Op
1 Laborer.
Above 278
1 Carp.
Note 4 Laborers 272

1) Cold-clear
2) Golden A.M.
3) Holmes: Noon.
3) Sand-Rock
4) No 1½ Rockscale

Pouring concrete AM to PM

h		Elev	Gr.	B	C	Yds	Loss
17	22E	290.	1	10.5	46	3.33 A.00	
26 25	23E	285.					
Calculated			1	10.5	46	7.33	
Hendr. Rep			1	11 -½	48 -2	7.66	-⅓
8	13/14 A	320	1	16.00 -1	68 -4	11.00	
			1	17 -1	72 -4	11.66	-⅔
Total for day, 2				28 -1½	120 -6	19.33	-1

K = 10
St = 3
C = 7
L = 13
28
33.

Labor. 1.)

12-9-36

1 Superint
1 St-L-Foreman
1 Timekeeper
2) Steel. Backslaps 19, 20, 21, 22, 23,
3 Ironworkers incl. 1 welding
1 Electr.
1 Laborer.
3.) Forms.
6 Carpenters
8 hours 1 Laborer.
each
4) Hoist.
1 Operator.
1 Laborers.
5) Concrete
1 Finishers
1 Helper
1 Laborer
1 Painter
At Mixer
1 M.M.
1 P.Op.
1 Laborer.
Above
1 Carp.
Note 3 Laborers.

1) Frost-clear. 9 AM Warm
2) Nielson P.M.
3.) Checking: Sted left

Pouring Concr 8 AM to P.M.

h	15/16	Elev	Gr.	B.	C	Yds.	Loss
8	A 17/18	320	4	16	68	11.04	
8	A	320		16.5	66	11.04	
Calculated			4	32.5	134	22.08	
Hendr. Rep			4	34 -1½	140 -6	23.00	1
14	14	329	4	3	16	2.33	
	15			3.5	14	2.33	
	16			3.5	14	2.33	
	17			3.5	14	2.33	
	18			3.5	14	2.33	
Calculated			4	17	72 V	11.66	
Hendricks Rep			4	16.5 -.5	70 V -2	11.33	+⅓
Total for day			8	50.5	210	34.33	-⅔

See Page 98

K. = 10
St = 3
C = 7
L = 16
31
36

12-10-36 Labor: 1)
1 Superint.
1 L-St Forem
1 Timekeeper
2) Steel Top Anch. 19, 20, 21, 22, 23.
2 Ironworkers (incl 1 Welder)
1 Apprentice
1 Electrician
1 Laborer
3) Forms 9W, 19/20 A.
6 Carpenters
2 Laborers
4) Hoist
8 hours each: 1 Operator, 2 Laborers
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
1 M.M. A+Mixer.
1 P. Op
1 Laborer Above
1 Carp.
4 Laborers

Note:
1) Cool-clear A.M.
2) Pyle-Bacon P.M
3)

Pouring concrete 9 AM to 3 PM.

h		Elev	Gr	B	C	yds	Loss
298.3 / 297.8 Above	17 { 21E / 22W }	310	4	4.5	22	3 33	
	8 A	320		16.5	66	11.	
	Calcul.		4	21.0	88	14 33	
	Hendricks Rep		4	21	88	14 33	
290	15.5 22E	301	4	6	28	4 33	
290	15.5 23W	301					
285	21 23E	300		3.5	14	2 33	
Calculated.				9.5	42	6 66	
Hendricks Rep.			4	10 -1/2	44 -2	7 00	-1/3
Total for			8	31	132	21 33	

K. = 10
St. = 3
C. = 10
L. = 14
32
37

Labor. 1)
1 Superint.
1 St-L-Forem.
1 Timekeeper
2) steel Top Anch 22-23.
2 Ironworkers (incl 1 Welder)
1 Apprentice
1 Electr.
1 Laborer
3) Forms - Top Anch. 19, 20, 21, 22, 23.
9 Carpenters.
8 hours each: 2 Laborers
4) Hoist.
1 Operator
1 Laborer
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter A+Mixer
1 M.M.
1 P. Op
1 Laborer Above
1 Carp.
3 Laborer

Note:
1) Warm - clear
2) Golden out AM
3) Car 3512 9/4 R.R.S.
4) Hill - Bauer to S.D. Cylinder 37 38, 39 Baker to Dr Reese
5) Last Column finished

12-11-36

Pouring concrete 8 30 AM to 12 M.

h		Elev	Gr	B.	C	yds	Loss
	9W	Fin.	2	2½	12	1.85	
Calculated + Hendrix							
8	19/20 A	320	A	16.5	70	11.22	
	Calculated.						
Hendricks Rep			A	17 -.5	72 -2	11 66	1/3
Total for day			6	19.5	84	13.51	1/3
				-.5	-2		

K. = 7
St. = 4
C. = 7
L = 14
28
32

12-12-36 Labor. 1.)

1 Superint.
1 L. St. Foreman
1 Timekeeper
2) Steel
3 Ironworkers incl. 1 Welder
1 Apprentice
1 Laborer
3) Forms.
6 Carpenters
1 Laboren
4) Hoist
1 Operator
2 Laborers
5) Concrete
1 Finishers
1 Helper
1 Laborer
1 Painter
A+ Mixer
1 M.M.
1 P.Op.
1 Laborer Above
1 Carp.
3 Laborers

8 hours each

Note.
1) Clear-Warm.
2) Beerman-Coats P.M.
3) Madden A.M.
4) Cement left 394 Riv. (A96-102) ~ 80 Velo 474.
5) Checked Steel with Bill.
6) 3/4 yds wasted. (Jack)
12-13-36. Sunday.

Fred 5/10
6 18
7 26
8 29
9 16
10 13.
11 27
Velo. 8 Dec
142

on Job 474
Shovlin 250
2 224

Cement check
Deliv. 24400
Spillway 2331
22069

Used in Dec.
12-12-36 514 462 144 V 1150 392 142 250 Bal 392
Used to 11-30-36 20497 Dec 1180 21677 + 22069 21677 on Job 474

Pouring concrete 8:30 AM to 2:30 PM.

h		Elev	Gr.	B.	C	Yds	Loss
7 hours	13E		4	4.5	22	3.33	
	14W						
	14E			4.75	19	3.15	
	15W						
	15E			4.75	19	3.15	
	16W						
	16E			4.75	19	3.15	
	17W						
	17E			4.75	19	3.15	
	18W						
Calculated			4	23.5	98	16.00	
Hendrix Rep.			4	24.5 -1	102 -4	16.66	2/3

K = 8
St. = 0
C = 6
L = 20
26
34

Labor. 1.)

12-14-36

1 Superint.
1 Timekeeper
2) Steel
None
1
3) Forms
5 Carpenters
4 Laborers
4) Hoist
1 Operater
2 Laborers
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter
A+ Mixer
1 M.M.
1 P Op
1 Laborer Above
1 Carpenter
4 Laborers

8 hours each

Note
1) Cloudy warm
2) 1/3 yds left over A.M. (35 ft off pipe)
3) 1/3 yds left P.M. in pipe
4) Brackman taken 3 Cyl. 40-41-42 with Velo Cement. Top Anchorage 19.
5)

Pouring Concrete 8:15 AM to 4 P.M.

h		Elev	Gr.	B.	C	Yds	Loss
15.5	22E	311	4	6	28	4.33	
	23W	311					
	23E	311					
Calculated			4	6	28	4.33.	
Hendrix Rep			4	6.5 -1/2	30 -2	A 66	-1/3
14	19	329	4	3.	16	2.33	
	20			3.5	14	2.33	
	21			3.5	14	2.33	
	22			3.5	14	2.33	
	23			3.5	14	2.33	
Calculated			4	17	72 V	11.66	
Hendrix Rep			4	17	72	11.66	-1/3
Total for day.			8	23.5 -.5	102 -2	16.33	-1/3

K. =
St =
C =
L =

12-15-36 Labor 1)

8 hours. Work called off for day.

1 Superintendent
1 Timekeeper
2) Steel
Apprentice
Laborer
3) Forms
1 Carpenters
Laborer
4) Hoist
Operater
Laborer
5) Concrete
1 Finisher
Helper
Laborer
Painter
1 Mixer
1 P.M.
1 P. Op.
Laborer
Above
Carpenter
Laborers

Pouring concrete AM to PM

h.	Elev.	Gr.	B.	C.	Yds	Loss
72	- 1¼ □ (4 to 6)					
8	- 1¼ □ ~6					
12	- 7/8 ○ 13'-2"					
8	- 7/8 ○ 11'6"					
6	- 7/8 ○ 17'					
3	- 7/8 ○ 22'					
0	- 7/8 ○ 27'5"					
10	- 7/8 ○ 8'					
7	- 7/8 ○ 8'					
63	- 1¼ □ 4 to 6" (mixed)					
13	- 1¼ □ 5'					

replied + rechecked 12-22-36

Note:
1) Storm, rain 1"
2) Goldens Steel scrap
① - 1¼ □ 6'8"
(A) - 1¼ □ 3'8"
(B) - 1¼ □ 2'
(21) - 1¼ □ 7'9"
(28) - 1¼ - 4'
(17) - 1⅛ - 4'
(8) - 1⅛ □ ~6'
(9) - 1⅛ □ 7'
3) Hough last day.

111

K. = 7
St. = 0
C = 5
L = 12
18
24

Labor 1)

12-16-36

1 Superint.
1 Timekeeper
2) Steel (Butt. 19 to 23) & 24
1 Apprentice
1 Laborer
3) Forms (Butt. 19 to 23) & 24 outside
5 Carpenters
2 Laborers
4) Hoist
8 hours each 1 Operator
2 Laborer
5) Concrete
1 Finisher
1 Helper
1 Laborer
1 Painter

Pouring concrete AM to PM

h	Elev.	Gr.	B	C.	Yds	Loss

Note.
1) Cool - some Rain
2) Bauer to Testing Stat. with Cyl 40, 41 A2.
3) City Car serviced.

K = 8
St = 0
C = 7
L = 20
25
35

12-17-36

Labor: 1)
1 Superint.
1 Timekeeper
2.) Steel
3) Forms
6 Carpenters
2 Laborers
4) Hoist
1 operator
2 Laborer
8 hours
5) Concrete
each
1 Finisher
1 Helper
1 Laborer
1 Painter
At Mixer
1 M.M
1 P.Op
1 Laborer Above
1 Carp.
4 Laborers

Note
1.) Cool - cloudy
2) Golden + Mrs Golden AM

Pouring Concrete Buttress 24

	24	Top	4	15	64	10.33

Concrete pouring 9 AM to 5 PM

h		Elev	Gr	B.	C.	Yds	Loss
Finished	18E		4	4.25	21	3.15	
	19W						
	19E			4.75	19	3.15	
	20W						
	20E			4.75	19	3.15	
	21W						
	21E			4.75	19	3.15	
	22W						
	22E			4.75	19	3.15	
	23W						
	23E			2.25	9	1.60	
calculated			4	25.50	106	17.33	
Hendricks Rep.			4	23	96	15.66	
				+2.5	+10	+1.66	
Total for day			8	38	160	27.66	
				+2.5	+10.		

K = 8
St = 0
C = 3
L = 20
20
31

Labor: 1)

12-18-36

1 Superint.
1 Timekeeper
2.) Steel finished
3.) Forms
2 Carpenters
1 Laborers
4) Hoist
1 Operator
2 Laborers
8 hours
5) Concrete
each
1 Finisher
1 Helper
1 Laborer
1 Painter
At Mixer
1 M.M
1 P.Op
1 Laborer Above
1 Carp.
4 Lab.

Note
1.) Cool clear.
2) 29 Sx Cement left in Shed
3) Pyle + Mc Combs out R.M.
4) Tomlinson says 1 yd. lost.
5) Emsco Co dismantling Plant.

Pouring concrete 12-30 PM to 3-30 P.M

h	24	Elev	Gr	B.	C	Yds	Loss
	Top Hendrix		4	25.	104	17.00	-1
Total for day			4	23.5	98	16.00	

K = 7
St = 0
C = 3
L = 21 } 24.
31

12-19-36 Labor 1.

8 hour each
- 1 Superintendent
- 1 Time Keeper
- 1 Operator (2) Hoist
- 1 Laborer
- 2 Carpenters (3) Wrecking
- 10 Laborers
- 1 M.M.
- 1 P.O.
- 5 Laborers
- 1 Carp

4) Concrete to AM to 11:30

	2A	Gr.	B	C	Yds	Loss
	Both	A	5	24	3.66	

Total Concrete poured

Vert. C.	Vert. Yds	Diag. C.	Diag. Yds	B with 2A x Velo Conc.	B with 2A x Velo Yds	Conc.	Yds.
544	87.08	588	88.20	V. 216	34.66.		
				192	3000	1540	239.94
Dec.							
Previous.						20497	3350.47
						22037	
					Key	& Chipping	65.66
							3656.07
		Cement		22037	Strengthening		
				2331.	Spillway		
				200	Fired 142		
					58		
				-52	Wasted.	Hill:	3618.00
Cement delivered				24620		B 24 =	30.90
C-left 3 Sx.		24430					3648.90

12-19-36

Keys & Chipping: Columns. 321 ft³
Diagonals 1458 "
Top Anchorage 625 "
27 | 1841.5 = 68 yds
Allowed in yardage when poured → Top. Anch 2.33
65.66

Addit. Golden-Steel:
(13) - 1¼ - 5' = 65 x 5.35. 1 - ¾ - 18 B W.
= 348#
Cement left 3.

Note: 1) Clear, Cool.
2) C.H. Mall, J.M. Sutton } AM
3) Golden & P.O. Inspector
4) Cooper P.M.
5) 10 Sx R.R. Cement
6) Emsco-Co moves to L.A.

Mixed by hand.

Diag W	B.	C	Yds		
	1	4	0.66		
Total for day	28		4.33		

Sunday:— 12-20-36

K 7
St 0
C 1
L 20
14
28

12-21-36

Labor:-

8 hours each:

1	Superintendent
1	Timekeeper
1	Hoist Operator
1	M. M.
1	Finisher
2	Riggers
1	Carpenter
20	Laborer.
28	Men

Stripping, patching, painting. Dismantling the plant, Hauling Materials & Equipment to S. Diego.

Note:-

1) Clear-warm

2) 5 Sx Riv Cement

K = 8
C = 1
L = 21
30

12-22-36

Labor

1	Superint.
1	Time Keeper
1	Carpenter
1	Hoist Op.
1	M. M.
1	Finisher
2	Riggers
1	Pushpon Op
21	Laborers
30.	

Dismantling Plant cleaning up.

1) Clear-cool
2) Nielsen ant 7.M
3) Checking Golden Steel with Brackman

Bauer.

12 - 7/8 - 13.2
8 - 7/8 - 11.6
6 - 7/8 - 17
3 - 7/8 - 22
1 - 7/8 - 27.5
10 - 7/8 - 8.
7 - 1 1/8 - 8.
63 - 1 1/4 (4 to 6) mixed.
4 - 1 1/4 @ 8'
13 - 1 1/4 @ 5' Hill.

Golden Steel. left below Dam. 12-22-36

27 - 1 1/8 - 19.25'	23 - 1 1/4 - 4'	1 - 1 1/8 - 19.2
76 - 1" - 20'	2 - 1 1/4 - 6'	1 - 1 1/4 - 6
20 - 7/8 - 36'	2 - 1 1/4 - 6.	15 - 1 1/8 - 4'
1 - 1" 20.5	3 - 1 1/4 - 5'	2 - 1 1/4 - 4
6 - 1 1/4 - 2'	1 - 1 1/8 - 5.3	11 - 1 1/8 - 7
4 - 7/8 - 1'	1 - 1 1/8 - 7.4	1 - 1" - 20.5
1 - 1 1/4 - 6.6'	25 - 1 1/4 - 7'	1 - 7/8 @ 25.2
4 - 1 1/4 - 3.8'	11 - 1 1/4 - 5'	1 - 7/8 - 24.2
2 - 1 1/4 - 2'	30 - 1 1/4 - 4'	9 - 1 1/8 - 7.2
21 - 1 1/8 - 24.25'	6 - 1 1/4 - 2.5	1 - 1 1/8 - 4.2
2 - 1 1/4 - 3.9'	1 - 1" - 40'	9 - 1 1/8 @ 40
5 - 1 1/4 - 4.2'	14 - 1 1/8 - 23.7	59 - 1" - 7.9
18 - 1 1/8 - 7.8'	29 - 7/8 - 14	21 - 1 1/8 - 23.7
2 - 1 1/8 - 7	1 - 1 1/8 - 13.5	
4 - 1 1/4 - 7.5		

Checked by Brackmann-Bauer

K = 7
e = 1
L = 20 } 28

12-23-36

Labor:

8 hours each
- 1 Superint.
- 1 Carp.
- 1 Timekeeper
- 1 Hoist Op.
- 1 M.M.
- 1 P. Op.
- 1 Rigger
- 1 Cement Finisher
- 20 Laborers.

28 Men

Dismantling plant
Cleaning up.
& Hauling Material
& Equipment to S.D.
hoisting Mixer & Pumpcrete Machine to Spillway.

Note: 1) Cool - clear
2) P.M. warm

12-24-36

K = 5
L = 11 } 16

Steel: 8 - 1 1/4 - 6.5

8 hours each
- 1 Superint.
- 1 Pumpcr. Op.
- 1 Rigger
- 1 Hoist-Op.
- 1 Ccm. Finisher
- 11 Laborers

16 Men

dismantling & hauling Equipm. - Material to S.D.

Note: 1) cool - cloudy

12-25-36 = Holiday.

Labor. 12-26-36

8 hours each
- 1 Superint.
- 1 Hoist-Op.
- 1 Finisher
- 7 Laborers.

10 Total

Dismantl. of Bunker-Runway. Completed.

Note: 1.) Cool - cloudy.
2.) Golden bawls steel to S.D.
3.) Job completed, exc. weepholes.
4) Pyle - Beermann, Love visiting.

Sunday. Heavy rain. 12-27-36

Labor: 12-28-36

8 hours each
- 1 Superint
- 1 Timekeeper.
- 1 Pumpcrete Op.
- 1 Rigger.
- 13 Laborers.

17 Total.

Cleaning up from East to west above & below.
No material - Equipment hauled away on account of bad road condition.

Note: 1) Heavy rain night before 3 1/2" rain. Lake up 2 ft.
2) Checking Sutherland Dam - Steel left at Hodges Dam.
3) Holmer: Noon-hour.

12-29-36 Labor:

8 hours each:
- 1 Superint
- 1 Timekeeper
- 1 Pumper Op
- 1 Rigger
- 10 Laborers

14

(6 Trucks)
Cleaning up
Hauling Material

1.) Cool - cloudy.
2) Golden: All
3) Checkin City Steel
4.) Making Records of City Steel & Inventory.
5) Add 0.67" Rain Lake up total 3" for the Storm

12-30-36 Labor:

8 hours each:
- 1 Superint
- 1 Timekeeper
- 1 Pumpcrete Op
- 1 Rigger
- 2 Laborers

12

6 Trucks
Hauling Material & cleaning up painting Stairway Welding Railing on Catwalk

Note: 1) Raining - cold.
2) Bauer to S.D. with Equipment
4) About 1/2 yds. of Concrete at Face of Head Wall according to Brackman Instruction 1½ S.D.

12-31-36 Labor:

8 hours each:
- 1 Superint
- 1 Pumper Op
- 1 Rigger
- 1 Welder 4 hours
- 7 Laborer

10½

3 Trucks
Hauling Material & cleaning up painting Stairway Welding Railing on Catwalk

Note: 1) Raining - cold 1.59" (24 h) Lake total 5"
2) Bauer to S.D. with Equipment
3.) Jack promised to attend to Weepholes

The End: Good bye & happy
" New Year
1937

Continued from page 155

Columns

Date	Grout	Batches	Total Cement	Bay	Set	yds. Loss	Elevation
10/2		49	196	15/16	A,B,C	32.66	272, 274, 270
10/5		49	196.	17/18	A,B,C.	32.66	272, 274, 270.
10/7		49	196	19/20	A,B,C.	32.66 1/2	272, 274, 270
10/13		49	196	21/22	A,B,C	32.66	272, 274 270
			784			130.64	

Diagonals - Secondary Ties

Date	Grout	Batches	Total Cement	Butts	Horizont yds.	Loss	Elevation
					C.	yds	
10/2	4	12.50	54.	15E } 16W }			270 270
		19.50	78	15E – 16W –	78	13	267 267
10/3	4	12	52	16E 17W			241.7 242.4
	4	12	52	12E 13W			274. 272.7
	4	12	52	10E 11W			276. 278.
10/5	4	12.	52	14E 15W			260 259.3.
	4	13.5	58	17E 18W.			269.8 269.8
		19.5		17E – 18W. –	78	13	267
10/6	8	10	48	21E 22W			
10/7	4	12	52.	16E 17W.			250 250.
	4	13.5	58	19E 20W			270 270
		19.5		19E – 20W –	78	13	267 267
10/8	8	20	88	21E 22W. 22E			263
	4	13	56.	14E 15W.			275.1 274.5
10/9	4	12	56	18E 19W			244.4 244.4
	(4) not needed						
10/13	8	12.5	58	21E 22W			269.5 269.5
		19.5		21E – 22W –	78	13	267. 267
			736		312	52	

Columns

Date	Grout	Batches	Total Cement	Bay	Sets	yds.	Loss	Elevation
			784			130.64		
10/15	4	30	121	7/8	A, B.	20.33		278; 278
10/20	4	41 -2	168 -8	9/10	A, B,	26.80	1 1/3.	280; 288
10/22	8	37	156 -8	7/8	A.B.	24.33 -1		285; 290;
			1232			20210		
10/26	4	42 -3	172 -12	11/12	A B.	26.80 -2.00		280; 288
10/27	4	40,5 -1/2	166 -6	13/14	A, B,	26.40 -1.00		280; 288
10/28	4	38 +1	1570 156 +4	15/16	A, B	255.30 26.10 +66		280; 288
			1726			281.70		

Diagonals - Secondary Ties

Date	Grout	Batches	Total Cement	Butts	Horiz Ties, c	yds.	yds.	Loss	Elevation
			736		312	52	117.00		
10/14	4	12	52	16E 17W.			8 33		260.6. 260.6
	4	12	52 152	18E 19W.			8.33	24	251.
	8	10.	48	20E 21W.			7 33		237.5 238.
10/15		7	28	9W.			4.66.		
10/17		7	28	22W			4.66.	13.33	263.
	8	6	28	20E			4.33		245
		6	28 140	21W.			4.33		245.6.
	4	6	28	18E.			4.33	9.00	264
		7	28	19W.			4.66		264.
10/19	4	12	52	16E 17W			8 33		275.4 275.4
10/20		9	36.	9E 10W			5,60		280 280.
	8	13	60 -2	20E 21W			9.00 -1/3.		257.3.
10/23	8	11	52	18E 19W.			7 -1.00		279.4 279.4
	8	15	68 -10	20E 21W.			10.00 -0.66		272.7 273.3.
			1324.		312	52	208.00		
10/24	4	6	28	9W.			4.33	-0.33.	about 261
10/26		9	36	11E 12W.			5 60		280 280
10/27		10.5	42	13E 14W			7.00		280 280
10/28		9	1430 36	15E 16W	312.	52	224.93 6.00		280 280
10/28	4	9 -1/2	40 -2	14E 15W			6 33 -1/3	-0.33	287.5 287.5
			1506		312	52	23726		

Columns

Date	Grout	Batcher	Total cement	Bay	Sets	Yds	Loss	Elevation
			1726			281.70		
10/29	4	40 -1	164 -1	17/18	A B	26.40	-.66	280; 288;
10/30		14.5	58	9/10	A	9.66	-.33	292
						—		
			1948			317.76		
10/31		14.5	58	11/12	A	9.66		292
		14.5	58	13/14	A	9.66		292
			2064			33708		

Diagonal - Secondary Ties

Date	Grout	Batcher	Total cement	Buttr.	Horiz Ties C.	Horiz Ties Yds	Yds	Loss	Elevation
			1506		312	52	237.26		
10/29		9	36	17E 18W			6.00		280; 280
10/29	4	9	40	16E 17W			6.33 -½	-.33 not loss	289
10/30	4	9	40	12E 13W			6.33	-.33	286.7 286.1
	4	9	40	10E 11W			6.33	-.33	285
	4	6.5	30	9E 10W			4.66	-.33	288
			1692		312	52	266.91		
10/31	4	4.5	22	11E 12W			3.33		288
	4	4.5	22	13E 14W			3.33		288.
			1736		312	52	273.57		Checked: O.K. B.

Columns

Date	Grout	Batches	Total Cement	Bay	Sets	Yds	Loss	Elevation
10/2	4	15.5 -1	62 -4	15/16	A	9.	66.	292
10/4		14.5	58	17/18	A	9.	66	292
10/5		24.5 -1½	98 -6	9/10	A B	15.	40.	300 293.9
11/6		26 -3	104 -12	11/12	A B	15.	40.	300 293.9
11/7		24 -1	96 -4	13/14	A B	15.	40	300 293.9
		24 -1	96 -4	15/16.	A B	15.	40.	300 293.9
11/9		24 -1	96 -4	17/18	A B	15.	40	300 293.9
11/12		14.5	58.	9/10	A	9.	66	W. 312 E 311.5
		167.0	668 -34			105.	98	

Diagonal - Secondary Ties

Date	Grout	Batches	Total Cement	Buttr	Horiz Ties cum yds	yds	Loss	Elevation
11/2	4	4.5	22	15E 16W		3.	33	288
11/4	4	4.5	22	17E 18W		3.	33	288
11/5	4	4	20	9W		3.	00	268
		3	12	9E 10W		2.	00	299.5
		7.5		9E – 10W –	30	5.	00	294
11/6	4	2.5	14	11E 12W		2.	00	299.5
		7.5		11E – 12W –	30.	5.	00	294.
11/7	4	2.5	14	13E 14W		2.	00	299.5
		7.5		13E – 14W –	30.	5.	00	294.
	4.	2.5	14	15E 16W.		2.	00	299.5
		7.5		15E – 16W –	30.	5.	00	294
11/9	4	4	20.	9W		3.	00	
	4	2.5	14	17E 18W		2.	00	299.5
		7.5	30.	17E – 18W –	30.	5.	00	294
11/10	4	7	32	10E 11W		5.	00	299.
		10	40	12E 13W		6.	66	300 299.
11/12	4	3.5	18	9E 10W		2.	66.	308.5 307.
	4	8.5	38	14E 15W.		6.	00	297
		8	32	18E 19W.		5.	33.	289
	44	104.5	312		150	25	48.31	

Columns

Date	Grout	Batches	Total Cement	Bay	Sets	yds Loss	Elevation
		167	668 (-34)			105.98	
11/13	4	14	60	11/12	A	9.66	312
11/14	4	40 -1	164 -4	19/20	A, B	26.40 10	280 288
11/16	4	14	60	13/14	A	966	312
		14	56	15/16	A	933	312
		14	56	17/18	A	933	312
11/17							
11/18		40.5 -4	162 -16	21/22	B, A	23.94	(285) 280 instead 288
		303.5	1226			194.30	
11/20		17.5 -3.	70. -12	19/20	A.	9.66	292.
	12	321.0	1296 -66.			203.96 ✓	

Diagonal-Secondary Ties

Date	Grout	Batches	Total Cement	Buttr	Horiz Ties Cem	Horiz Ties Yds	yds Loss		Elevation
	44	104.5	312		150	25	48.31		
11/13	4	9.	40	20 E 21 W.			6.33		282.
11/14		9	36.	19E 20W			6.00		282.
		7	28	16 E 17 W			4.66		296.5
11/16									
11/17	4	4.5	22.	10E 11W.			3.33		310
		4.5	18.	11.E. 12W.			3.00		310
		4.5	18	12E 13W.			3.00		309
		4.5	18	14E 15W.			8.00		308
		4.5	18.	16E 17W.			3.00		308.
11/18	4	8	36.	21 E 22 W			5.89		281 280.5
	66	160.0	546				86.52		
11/20	A	3,5	18	9W.			2.80		287
		3,5	14	13E 14.W.			2.21		308
		3,5	14	15E 16W.			2.33.	14	309
		5	20	18E 19W.			3.33.		298
		5.	20	19E 20W.			3.33.		288.
	60	180,5	632.		150.	25	100.52 ✓		

Columns.

Date	Grout	Batches	Total cement	Bay	Sets	Yds Loss	Elevation
	12	321	1296-66.			203.96.	
11/25		18.5 -½	74 -2	21/22	A.B-	11.99	292-298.
		24 -1	96 -4	19/20	A.B.	15.40	300; 293.9
		363.5	1466			231.35	✓
11/28		23.0	92	21/22	A.B	15.40	300; 293.9
		14.0	56	19/20	A	9.33	312.
11/30	12	400.5	1614.00			256.08	

Diagonals & Secondary Ties

Date	Grout	Batches	Total cement	Batchr	Horiz Ties C.	Horiz Ties Yds.	Yds Loss	Elevation
	60	180.5	632.		150	25	100.52	
11/24	4	4	20	9W.			3.00	298
		4.5	18	20E			3.00	298
		4.5	18.	21W.			3.00 Fred. 1/A	299
11/25	4	4.5	22.	21E 22W.			3.33	287
	4	3.0	16	19E 20W.			2.33	298
		7.5	30.	19E - 20W -	30	5.00	5.33	291
	72	270	726		180.	30.00	115.18	✓
11/28	4	3.0	16	21E 22W			2.33	298.3 297.8
		7.5		21E - 22W -	30	5.00		291
	4	4.0	20	17E 18W.			3.00	308.
11/30	80	223	762		210.	35.00	120.51	

Columns

Date	Grout	Batches	Total Cement	Bay	Sets	Yds	Loss	Elevation
12/2		14.5	58.	21/22	A	9.66		312
12/4								
12/5	4	16¼	69	9/10	A	11.04		320 f.
		16¾	67	11/12	A	11.04		320 f.
	A	47.5	194			31.74		
		-.05	-2					

Diagonals & Secondary Ties

Date	Grout	Batches	Cement	Bkts	Horiz Ties C Yds	Yds	Loss	Elevation
				Finishes				
				Top Anchorage				
12/1	4	3	16	9		2.33		
	4	3	16 (16.5)	10		2.33		
		3.5	14	11	I added separate page 14	2.33	11.66	329 f.
		3.5	14 (74)	12		2.33		
		3.5	14	13		2.33		
12/1	4	2.5	14.	9W.		2.00		310.
12/2	4	4.5	22	18E 19W.		3.33		310
12/4	4	2.75	15	9E 10W.		2.15		317
		4.75	19 (15.50)	10E 11W.		3.15	10.66	compl.
		3.25	13 (66.)	11E 12W.		2.15		317
		4.75	19	12E 13W.		3.15		compl.
	6	9	42.	22E 23W.		4.15 2.33	6.50	278. 279.5
12/5		0.75	3 (6)	9E 10W		1.00		finished.
		0.75	3	11E 12W.				
12/7	4	20-8½	84-34	19E 20W.		3.15		310.
				20E 21W.		1.43 1.30	7.88	309
				23W.		2.00		290.
	22	53.00	234.			31.37		
		-8½	-34					

Columns

Date	Grout	Batches	Total Cement	Bay	Sets	Yds. Loss	Elev
		-½	-2				
	4	47.50	194			31.74	
12/8	4	17.00	72	13/14	A	11.04	320 f
		-1	-4				
12/9	4	17 -1	72 -4	15/16	A	11.04	320 f
		17 -½	68 -2	17/18	A	11.04	320 f
	12	98.50	406.			64.86	
12/10		16.50	66.	21/20	A	11.00	320 f
	12	115.00	472			75.86	B.
12/11	4	17 -½	72 -2	19/20	A	11.22	320 f
	16	132 -3.5	544 -14			87.08	

Diagonals.

Date	Grout	Batches	Cement	Butts	Horiz Ties.	Yds Loss	Elev.
		-3.5	-34				
	22	53.00	234.		Finished	31.37	
12/8	4	11.5	A8	22E			290
		-½	-2	23E		7.33	285
12/9	4	16½		~~Top Anchorage~~			
				14			
			70V	15			
			+2	16	II added separate Page 141	11.66	329 f
				17			
				18			
	26	64	282			38.70	
12/10	4	4.5	22	21E		3.33	310
				22W.			
	4	6	28	22E		4.33	301
				23W.			
		4 -½	16 -2	23E		2.33	300.
	34	78.5	348			48.69	B.
12/11	2	2.5	12	9W		1.85	finished.
12/12	4	4.5		13E 14W.			
		4.75		14E 15W			
		4.75	24.50 -1	15E 16W		16.00	Finished.
		4.75	102	16E 17W			
		4.75	-4	17E 18W.			
	40	105.50	462.			66.54	B.
		-10.5	-42				

Columns.

Date	Grout	Buttress	Cement		Yds	Loss
	16.	132.	544		87.08	
		-3.5	-14			
				Buttress.		
12/17	4	15	64	24 Top.	10.33.	
12/18	4	25 -1½	104 -6	24 Top	16.00	-1
	8	40 -1½	168 -6		26.33	
12/19	4	5	24	24 Bottom	3.66	
	12	45 -1½	192 -6		30.00	

Diagonals.

Date	Grout	Buttress	Cement	Buttr		Yds	Loss	Elev.
	40.	105.50 -10.5.	462 -42			66.54		
12/14	4	6.50. -½	30. -2	22E 23W 23E		4.33.		311
12/14	4	3 3.5 3.5 3.5 3.5	17	72 V	19 20 21 22 23	III 11.66	2.33 2.33 2.33 2.33 2.33	329
	16	50.	216			34.66.		
12/17	4	23 +2.5	96. +10		18E 19W 19E 20W 20E 21W 21E 22W 22E 23W 23E	17.83	3.15 3.15 3.15 3.15 3.15 1.60	
	48	135.00 -8.5	588 -34				88.20.	B.
12/18.								
12/19			4		9W.	Mixed by hand	0.66 added seperate	B

Continued from Book 519 Page 79.

6.) Steel

8-4-36
32 - 7/8° 29'
22 - 7/8° 9'
44 - 7/8° 23'
32 - 7/8° 14'
32 - 7/8° 15'
22 - 7/8° 50'

7) 20 - 7/8 - 35'9" +
56 - 7/8 - 29-0 +
28 - 7/8 - 23-0 +
56 - 7/8 - 22'6" +
28 - 7/8 - 15'0" +
462 - 5/8 - 13'-2" +
64 - 5/8 - 11'-0" +
112 - 7/8 - 20'-6" +
112 - 7/8 - 15'-9" +
200 - 3/4° - 40° not accepted

12-9-36 Golden's Steel left:
(20) - 7/8° 35'8"
(20) - 1 1/8 □ 24'-3"
(9) - 1 1/8 □ 40'
(28) - 7/8° 14'
(14) - 1 1/8 □ 23'6"
(59) - 1" □ 7'-9"
(20) - 1 1/8 □ 23'-8"
(28) - 1" □ 19'-8"
(43) - 1" □ 20
(43) - 1" □ 20
(1) - 1 1/8 - 13'6"
(1) - 1 1/8 19'2"
(1) - 1" 20'6"
(2) - 7/8° 24'
(1) - 1" □ 20'
(1) - 1" □ 40 (bent)

8) 8-20-36
36 - 7/8 - 40'-0"
16 - 7/8 - 24'9"
4 - 7/8 - 21'6"
16 - 7/8 - 19'9"
50 - 5/8 - 13'-2"
12 - 7/8 - 13'-2"
12 - 5/8 - 9'6"
190 - 7/8 - 40'0"
28 - 7/8 - 9'-0"
56 - 7/8 - 10'-0"
28 - 7/8 - 8'6"
168 - 3/8 - 5'6"
266 - 3/8 - 7'6"
14 - 7/8 - 21 1/3"
56 - 5/8 - 9'6"
14 - 7/8 - 21'6"

9) 21 - 1 1/8 □ 40'-0"
22 " 40'-0"
21 " 40'0"
21 " 23'9"
21 " 23'9"
40 " 1 1/4 20'0"
40 " 20'0"
40 " 20'0"
40 " 20'0"
80 " 20'0"
40650

10) 185 - 1 1/4 □ 20'-0" (19640)

11) 8-25 25420
12) 8-26 24330
13) 8-25 35650
14) 8/25 25320
15) 8/24 19640
16) 8/25 17460
17) 8/24 17950
18) 17010
19 17470

20) 11-17-36
200 Bars 1 1/4" □ 20'lg = 21252

See Book 519 Page 45

Riverside Portland Cement

Date	Car. No.	No. Sx.
9) 8-6-36	U.P. 13340	1000
10) 8-13-36	U.P. 18185	1000
11) 8-24-36	U.P. 12094	1000
		12200
12) 8-29-36	U.P. 13588	1000
9-3-36	U.P. 136579	1000
9-14-36	U.P. 72335	1000
9-22-36	U.P. 14466	1000
		16200
9-28-36	U.P. 10496	1000
10-6-36	U.P. 138480	1000
10-14-36	U.P. 18833	1000
10-23-36	U.P. 78035	1000
10-30-36	U.P. 77443	1000
		21200
11-9-36	U.P. 19878	1000
11-19-36	H.P. 136864 Vel.	200
11-19-36	H.P. 136864	1000
		23400
12-5-36	H.P. 78035	975
	Vel.	25
		24400
12-19-36		25
		24425
12-20-36	Riverside	5
		24430

Cement shipped to Hodges Dam. Golden Rod 9-2-36.

4-16	1200 Sks.
-17	1200 "
-21	1200 "
6-12	1200 "
26	1200 "
7-9	1000 "
20	1200 "
28	1000 "
8-7	1000 "
13	1000 "
24	1000 "
	12200
9-1	1000 "
	24400
Spillway	2331
	22069

Rock - Sand

Date	1½ R	car №	¾ R.	car №	Sand	Car №
7-30-36	97600	SP&A 3510			100400	3509
8-3-36	98100	" 3516	83640	3517	103960	3501
8-5-36	89180	" 3513			99300	3508
8-11-36	107060	? " 3527	103160	? 3601	113500	3510
8-13-36	96600	3518	89780	3515	117200	3506
8-20-36	101300	3514			111100	3504
8-22-36	99700	3602	50050	3524	106800	3523
8-22-36	50050	3524				
8-26-36	102200	3518			120600	3503
8-26-36	101400	3527			117100	3508
8-30-36	100400	3601			[illegible]	
9-2-36	95100	? 3519	98900	? 3603	108200	3516
9-5-36	96260	? 3503			99700	3527
9-10-36			94800	3525		
9-10-36	100910	3519			107800	3603
9-16-36	99300	3523			100800	3602
9-16-36	95700	3514	98500	3524	104600	3527
9-18-36	101180	3503			103800	3504
9-22-36	97900	3509	97100	3520	105220	3528
9-26-36	101200	3516			101300	3522
9-29-36	101500	3526	96800	3508	108500	3521
10-3-36	109300	3514	102200	3511	114700	3513
10-5-36	110800	3515			112100	3520
10-7-36						
10-11-36	104900	3503	103700	3509	114900	3504
10-15-36	105700	3505			120900	3510

Rock - Sand

Date	1½" R	car №	¾" R	car №	Sand	Car №
Oct 17-36	113500	3525	100400	3520	108300	3508
Oct 20-36						
Oct 26-36	110600	3507			109440	3521
Oct 27-36	[illegible]				115400	3504
Oct 28-36	54600	3601	54600	3601		
10-29-36	100000	966	101800	956	110900	3503
11-2-36	109580	3502			112400	3528
11-6-36	103300	3514	102800	3510	110500	3517
11-12-36	96600	3526			110600	3520
11-16-36	106300	3501	106120	3521	114300	3510
11-22-36	105600	3522			110300	3523
11-30-36	98500	3601	103500	3527	108500	3523
12-7-36	108100	3501			105300	3521
12-9-36			54350	3512	54350	3512
12-16-36			13600 ✓		14200 ✓	
			14300 ✓			
12-17-36	14000				13700 ✓	
					14400 ✓	
12-18-36					6000.	
12-19-36					3820	

Concrete See Book 519 P. 151 poured.

Columns

Date	Grout	Batches	Total Cement	Bays	Sets.	yds.	Loss.	Elevat.
8/5	4	62	252	19/20	D, C, B, A	41.66	1/3 used in 18E	238; 240, 240, 242
			252			41.66		
8/10	4	47.5	194	9/10	A, B, C.	32		252, 253 255, 2E 255W
8/12	4	51	208	21/22	A. B. C.	34.33	1 yd.	242.4; 239; 236.8; 252; 253; 254
8/14	4	45	184	15/16	A-B-C.	30.33		
8/15		18.5	74	9/10	D	12.33		246.5
			912			150.66		

Diagonals & Secondary Ties.

Date	Grout	Batches	Total Cement	Buttress	Horiz. Ties	yds	Loss.	Elevat.
8/3		7	28	15E.	Horiz. Ties.	4.66		
		7	28	16W		4.66		
	4	7	32	17E		5.00		
		7	28	18W		4.66		
			116.			19.00		
8/4	4	7	32.	17W		5.00		230
		7	28	16E		4.66		230
		7	28	15W		4.66		
		7	28	14E		4.66		
		7	28	13E		4.66		
			196			23.64		
8/5	4	8	32	18E		5.33		226
		6	28	19W.		4.33		228
			60			9.66	0.33	
8/6	4	6.5	30	12E		4.66		
		7.5	30	13W		5.00		
			60			9.66		
			380		Com.	yds.		61.98
8/7		7	28 } 80	13E	Cor		4.66 } 13	228
		5	20	14W		3	3.33	227
	4	7	32	18W			5.00	232
8/10		6.5	26	9E	26		4.33	238
		35		9E } horiz. 10W }	140	23.33		244 No 1/2 of hor. Tie betw. Cr D left out
8/11		6	24	11W			4	225
	4	6	28	10E			4.33	231
		6	24 } 124	13W			4 } 20.33	229
		6	24	14E			4	233
		6	24	15W			4	231
8/12	4	9	40 Cem. left 30	10W.			6.33 1/2 yd.	
8/14		6	24	15E			4.00 } 8.0	
		6	24	16W			4.00	
		34		15E — } 16W — }	136	22.66		244
8/15		3.5	14	9E			2.33 } 4.66	
	4	3.0	16	10W			2.33	
		6.		9E — 10W — }	24	4.00		
			728		300	50.00	118.66	

Columns

Date	Grout	Batches	Total cement	Bays	Sets	Yds 150.66 Loss	Elevat.
			912				
8/21	4	45	184	17/18	A,B,C	30.33	252, 253, 254
Contractor report shows 352 Sx C used = 58.33 yds. against calc. 362.5x Cemt = 60 yds. for day.							
8/22	4	14	60	15/16	II	9.66	246.5
	4	63.5	258	21/22	A,B,C	42.66	251.5 ; 251 249 ;
			1414			233.33	
to adjust cement for 8/21							
8/26	4	45	184	13/14	A,B,C.	30.33	252, 253, 254
			1598			263.66	
8/28	4	14	60	17/18	II	9.66	246.5
	4	62.5	254	21/22	A,B,C	42.	260, 260, 260
			1912			315.33	
8/31	4	46	188	11/12	A,B,C.	31.00	252, 253. 254.8
			2100			346.33	

Diagonals - Secondary Ties

Date	Grout	Batches	Total cement	Buttress	Horiz Ties 3.00	50	yds 118.66 Loss	Elevation
			728		C	yd		
8/21		5.5	22	17E			3.66 } 6.32	
		4.0	16.	18W			2.66 }	
				17E –				244
		35		18W –	140	23.33		244
8/22		4.5	18	15E			3 00	244
		4.0	16	16W			2.66	244
		4.5		15E –	18	3 00	} 10	244
				16W –				
		6.5	26.	21E			4.33	
			826		458 ✓	76.33 ✓	135 ✓	
			10				1.66	
			816				13333	
8/26		7	28	13E			4.66 } 9.33	238.5
		7	28	14W			4.66 }	238.5
		35		13E –	140	23.33		} 244
				14W –				
			872		598 ✓	99.66 ✓	142.66	
9/28		4.5	18	17E			3.	246
		4	16	18W			2.66	246
		4.5		17E –	18	3 00		} 244
				18W –				
		4.5	18	21E			3 00	240
			924		616	102.66	151.33	
8/29		9.5	38	20E			6.33	
		7.5	30	20W			5 00	
	4	7	32	19E			5 00	
			1024				167.66	
8/31		6	24	11E			4 00	
		9	36	12W			6 00	
		35	140	11E –	140	23.33	12 00	} 244
				12W –				
			1084		756		177.66	

Columns

Date	Grout	Batches	Total Cement	Bays	Sets	yds. Loss	Elevat
0			2100			346.33	
9/2	4	14	60	13/14	D.	9.66	246.5
9/4	4	45	184	19/20	A, B C	30.20	252; 253; 254
9/5	4	14	60	11/12	D.	9.66	246.5
	4	30	124	7/8	A. B.	20.33	252.5 255.5
9/11	4	14	60	19/20	D	9.66	246.5
Mixer-Man-Pumpcrete Op. Report: 1 Batch hardened in pipe.							
9/12	4	33.25	137	9/10	A. B, C.	22.59	260, 260, 259
(Mixer Man report 1 Batch Grout 41 Batches = 168 C = 27.66 yd.							
			2625 − 17 = 608			102.91	

Total C								Yds.				
2725	1562	946	5233.	120	5113	Yds.	852.16	10 00	Cr.	862.16	441.33	259.00	15.00	862.24

Diagonals - Secondary Ties

153.

Date	Grout	Batches	Total cement 1084	Buttress	Horiz. Ties 756	yds 126.	yds. Loss	Elevation
9/1		6	24	21 W	C.	yds	4	227
		5.5	22 } 92	20 E			3.66	227
		5.5	22	20 W			3.66 } 15	
	4	5	24	19 E			3.66	
							15.00	
9/2		4.5	18 } 38	13 E			3.00 } 6.33	245
		5	20	14 W			3.33	246
		4.5		13 E − 14 W −	18	3		244
9/3	4	5	24 } 68	10 E			3.66 } 11	238
		5.5	22	11 W			3.66	238
		5.5	22	10 W			3.66	233
9/4		5.5	22	19 E			3.66	240
		5.0	20	20 W			3.30	240
		34.0	80	19 E − 20 W −	136	22.80	13.29	244
		5	20	18 E			3.33	232.8
		4.5	18	19 W			3.00	232.0
9/5		2.5	10 } 22	11 E			1.66 } 3.66	245
		3.0	12	12 W			2.00	245.5
		4.5		11 E − 12 W −	18	3.00		244
9/10	4	6	28 } 104	10 E			4.33 } 16.66	239.2
		6	24	11 W			4.00	242.1
	4	6	28	12 E			4.33	238
		6	24	13 W			4.00	237.8
9/11		3.25	13 } 26	19 E			2.15 } 4.30	246
		3.25	13	20 W			2.15	246
wasted.		4.50		19 E − 20 W −	18	3.00	batch	244
9/12		6	24 } 49	9 E			4.00 } 8	254.5
For day)		6	24	10 W			4.00	253.8
					190	3180		
9/14	4	6	28	10 E			4.33 } 16.66	252.8
	4	6	24 } 104	11 W			4	252.5
		6	24	12 E			4	255
	4	6	28	13 W			4.33	255.7
			582				9520	

Columns

Date	Grout	Batches	Total cement 608	Bays	Sets	yds. Lost 102.01 yds	3/4	Elevat
9/15	4	44	180	7/8	A,B,	29.66		265; 265
9/16	4	35.5	146	11/12	A,B,C,	24.	48 33	260; 260, 259
	4	36.	148	13/14	A,B,C,	24.33		260, 260, 259
			294 − 8 = 286	Hendr. Report for day		380	Sx Cement	
			1082 − 8 = 1074			186.00		
9/18	4	36	148	15/16	A,B,C.	24.33		260, 260, 259
9/19	4	36	148	17/18	A.B.C.	24.33		260, 260, 259
9/22	4	36	148	19/20	A,B,C.	24.33		260, 260, 259
9/24		47.5	190	9/10	ABC	31.66		272, 273.5, 270
			1708			284.65		
9/26		49	196.	11/12	ABC	32.66		272, 273.5, 270
9/29		49	1904 196	13/14	A,B,C	317.33 32.66		272, 274, 270
			2100			350.00		

Diagonals - Secondary Ties

Date	Grout	Batches	Total cement 5.82	Buttress	Horiz. Ties C	Horiz. Ties yds.	yds Lost 95.20	Elevation
9/15		51	20	9W			3.33	238
9/16		5	20	11E			3.33	253
		6.5	26	12W.			4.33 15.66	253,
		6	24 94	13E			4.	253
		6	24	14W.			4	251, 3.
		instead	388.					
			696				114.19	
9/18	4	6	24 48	15E			4.	254
		5	24	16W.			3.66 7.33	254
9/19	4	5.5	22 44	17E			3.66	252.7
		4.5	22	18W.			3.33 7.00	253.2
9/22		5.5	22 44	19E			3.66	254
		5.5	22	20W.			3.66 7.33	253.6
9/24	4	10	44	9E			7.00	269
				10W				269
		19.5		9E − 10W −	78	13		267
9/25	4	12	52 108	10E 11W			8.33	260.6 261.3
	4	13	56	14E 15W			9.00 −	260 260
9/26			984		268	41.80	160.18	
	4	12.5	54	11E 12W			8.66	270 270
		19.5		11E − 12W −	78	13		267
	4	12	52	12E 13W			8.33	258 258.6
			1090		346	57.80	177.18	
	4	12.5	54	13E 14W			8.66	269 269.5
		19.5		13E − 14W −	78	13.00		267 267
	4	12.	52	14E 15W			8.33	252 252
			1196		424	70.80	194.17	

Continued Page 124.

Concrete poured 3600.

1936	Verticals.		Diagonals.		Secondary Ties		Total	
	cement	yds.	cement	yds	cement	yds	c.	yd.
6/36	2376	391.29					2376	391.29
7/36	3379	556.76	384	63.63			3763	620.39
8/36	2100	346.33	1084	177.66	756.	126	3940	650
	7855	1294.38	1468	241.29			10079	1661.66
9/36	2100.	350.00	1196	194.17	424	70.80	3720	614.97
	9955	1644.38	2664	435.46	1180	196.80	13799	2276.63
10/36	2064	337.08	1736.	273.57	312	52	4112	662.65
							17911	2939.28
11/36	1614	256.08	762	120.51	210	35	2586	411.59
							20497	3350.87
12/36	544	87.08	588	88.20	V. 216.	34.66	1540	239.94
				Top. B.24	192	30.00		
12/19/36	Mixed by hand.		4	0.66				
				22041	22037 + 4	3656.73 0.66 3656.07	22041 5x	3591.06 + 65.66 3656.73

Cement	Sand	3/4 Rock max	1½ R max
1	213½	~~90½~~ 114½	229½
2	427	~~181~~ 205	459
3	640½	~~271½~~ 295½	688½
4	854	~~362~~ 386	918

2 Min in Mixer

Mix for Hodges Dam

6/8.36

C

Cement	Sand	3/4 R	1½ R
1	213½	130.8	213.5
2	427	237½	427.
3	640½	344.4	640.5
4	854 ~~900~~	451 ~~427~~ 451 (427+24)	854 808

New Mixture

~~En~~ Aug. 5. 36

8 am

40%	17%	43%
40%	20%	40½%

-21-36.

Weepholes: (66 + 10) = 76

~~Hole in wall~~ downstream.

) Weepholes.

4) 4" pipe 2 × 33 = 66. ft

5.) Railing to be welded.

6.) Buttress 21 – 5.9' 2" R.I.

" 7/8 = 4. 2" R.I.

9.9'

Bauer's call

8-1 } M3101
8-3 } M3101
8-5 "
8-7 "
8-12 "
8-14 12
8-15
8-17
9-2

9-11 13.
9-14
9-15 & Grade
9-16 Paid.

Golden 972.
Air Vibrator 14 ft
Electr. Viab. 13.5 ft

Concrete. 2437.66.

Keyman
1) Supt
2) St-L-foren
3) Time Keeper
4) Mixerman
5) Pumpcrete Op
6) Cem. Finish
7) Electr.
8) Rigger
9) Hoist Eng.
10) Rigger

Bitumastic paint.

Diag. 1.414 x

Wt per lin ft.

3/8	○	0.38
5/8	○	1.05
3/4	○	1.54
7/8	○	2.06.
3/4	□	1.94
7/8	□	2.64
1"	□	3.43
1 1/8	□	4.34
1 1/4	□	5.35

Emerg Treatm
Small 9/23
Odell 9/24
Enusco } 10/5
Helped
Conlon 10/8
Too

575 / 4 = 1.28 yds

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	25.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.