

**MINNEAPOLIS HIGHWAY CONSTRUCTION FACTORS
ATTACHMENT 7C
BRIDGE 9340 COLLAPSE
MINNEAPOLIS, MN.;8/1/07
HWY-07-MH024**

NB Rt Lane 900'-1000'

1 $2.1 \times 3.9 = 8.19$

2 $5.7 \times 4.3 = 24.51$

3 $3.9 \times 3.5 = 13.65$

4 $3.2 \times 8.1 = 25.92$

5 $1.8 \times 2.4 = 4.32$

6 $11.5 \times 1.8 = 20.7$

7 $2.5 \times 5.0 = 12.5$

8 $10.1 \times 3.2 = 32.32$

9 $18.9 \times 6.5 = 122.85$

10 $13.3 \times 3.4 = 45.22$

Total ~~309.28~~
310.18 ✓

TPF

3 $3.9 \times 3.5 = 13.65$

9 $10.1 \times 2.9 = 29.29$

Total 42.94 ✓

HU 7-25-07

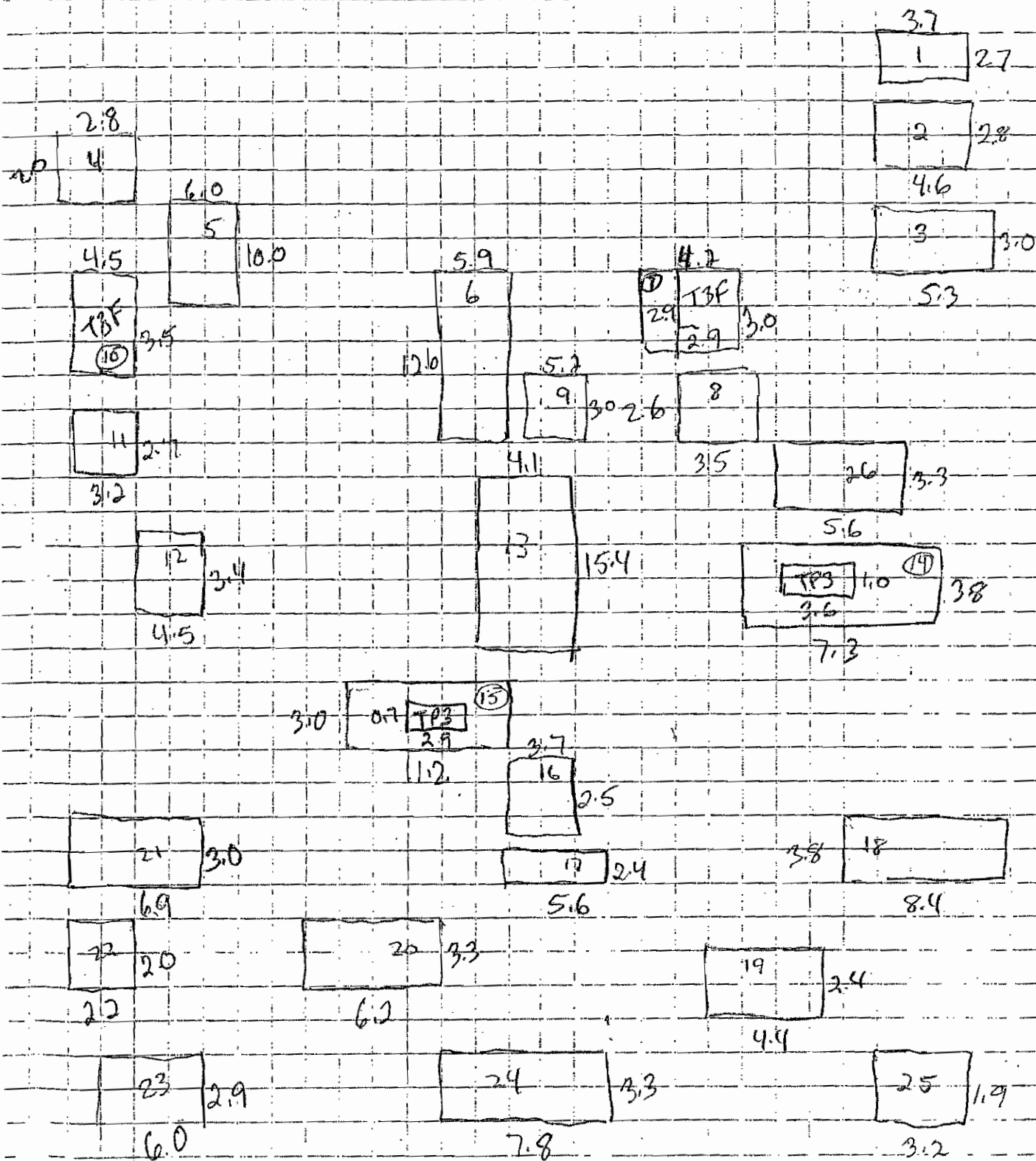
comp by RSN

ITEM: REMOVE SLAB TYPE 123

ITEM #: 2432.505

ITEM UNIT: SF

NB R+ Lane 1100'



Measured/Comp'd By: N. Pinkney date 7-25-07
Checked By: NH

1000 - 1100

N.B Rt Lane 1000-1100'

1 $3.7 \times 2.7 = 9.99$

2 $2.8 \times 4.6 = 12.88$

3 $3.0 \times 5.3 = 15.9$

4 $2.8 \times 2.0 = 5.6$

5 $6.0 \times 10.0 = 60.0$

6 $5.9 \times 12.6 = 74.34$

7 $4.2 \times 3.0 = 12.6$

8 $2.6 \times 3.5 = 9.1$

9 $5.2 \times 3.0 = 15.6$

10 $4.5 \times 3.5 = 15.75$

11 $2.7 \times 3.2 = 8.64$

12 $3.4 \times 4.5 = 15.3$

13 $4.1 \times 15.4 = 63.14$

Total 318.84✓

14 $7.3 \times 3.8 = 27.74$

15 $3.0 \times 11.2 = 33.6$

16 $3.7 \times 2.5 = 9.25$

17 $2.4 \times 5.6 = 13.44$

18 $3.8 \times 8.4 = 31.92$

19 $2.4 \times 4.4 = 10.56$

20 $3.3 \times 6.2 = 20.46$

21 $3.0 \times 6.9 = 20.7$

22 $2.0 \times 2.2 = 4.4$

23 $2.9 \times 6.0 = 17.4$

24 $7.8 \times 3.3 = 25.74$

25 $1.9 \times 3.2 = 6.08$

26 $5.6 \times 3.3 = 18.48$

239.77✓

Total 558.61

T3F

7 $2.9 \times 2.9 = 8.41$

10 $4.5 \times 3.5 = 15.75$

Total 24.16

T P3

14 $1.0 \times 3.6 = 3.6$

15 $0.7 \times 2.9 = 2.03$

Total ~~7.308~~ 5.63

✓ BY HCL 7-25-07

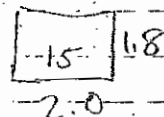
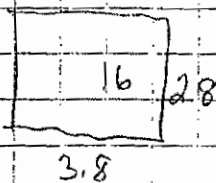
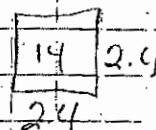
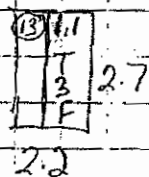
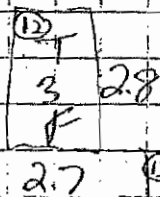
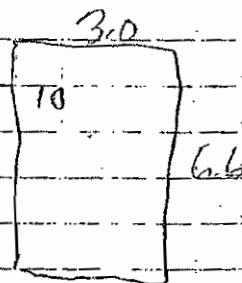
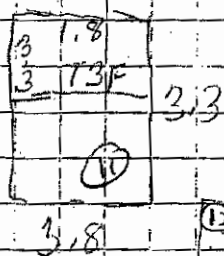
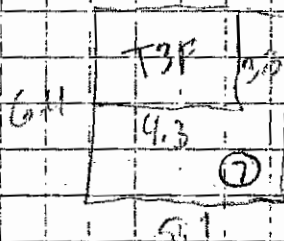
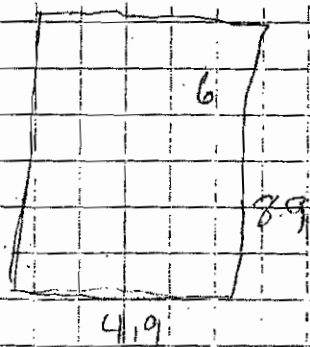
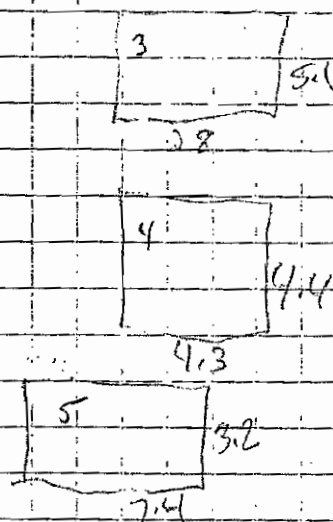
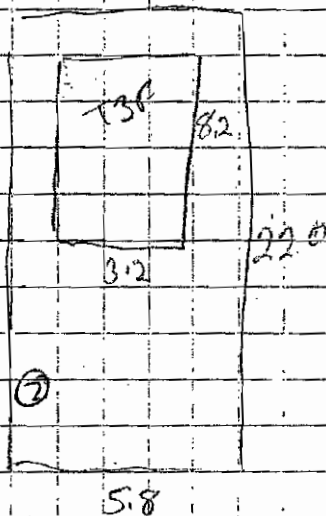
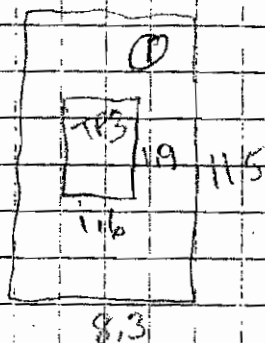
comp by RSR

ITEM: REMOVE SLAB TYPE 173

ITEM #: 2433.505

ITEM UNIT: SP

NB R4 Lane 1200



Measured/Comp'd By: R. M. M. M.

date

Checked By: H. M. M. M.

date 7-25-03

1100 - 1200

NB Rt Lane 1100'-1200'

1 $11.5 \times 8.3 = 95.45$

2 $22.0 \times 5.8 = 127.6$

3 $5.1 \times 2.8 = 14.28$

4 $4.4 \times 4.3 = 18.92$

5 $3.2 \times 7.4 = 23.68$

6 $8.9 \times 4.9 = 43.61$

7 $6.4 \times 5.1 = 32.64$

8 $8.3 \times 2.9 = 24.07$

Total 380.25

9 $8.3 \times 2.0 = 16.6$

10 $3.0 \times 6.6 = 19.8$

11 $3.8 \times 3.3 = 12.54$

12 $2.8 \times 2.7 = 7.56$

13 $2.7 \times 2.2 = 5.94$

14 $2.4 \times 2.4 = 5.76$

15 $1.8 \times 2.0 = 3.6$

16 $2.8 \times 3.8 = 10.64$

Total 82.44

Total 462.69 ✓

TP 3

1 $1.9 \times 1.6 = 3.04$ ✓

T3F

2 $8.2 \times 3.2 = 26.24$

7 $3.3 \times 4.3 = 14.19$

11 $1.8 \times 3.3 = 5.94$

12 $2.8 \times 2.7 = 7.56$

13 $2.7 \times 1.1 = 2.97$

Total 56.9 ✓

✓ BT HLL 7-25-07

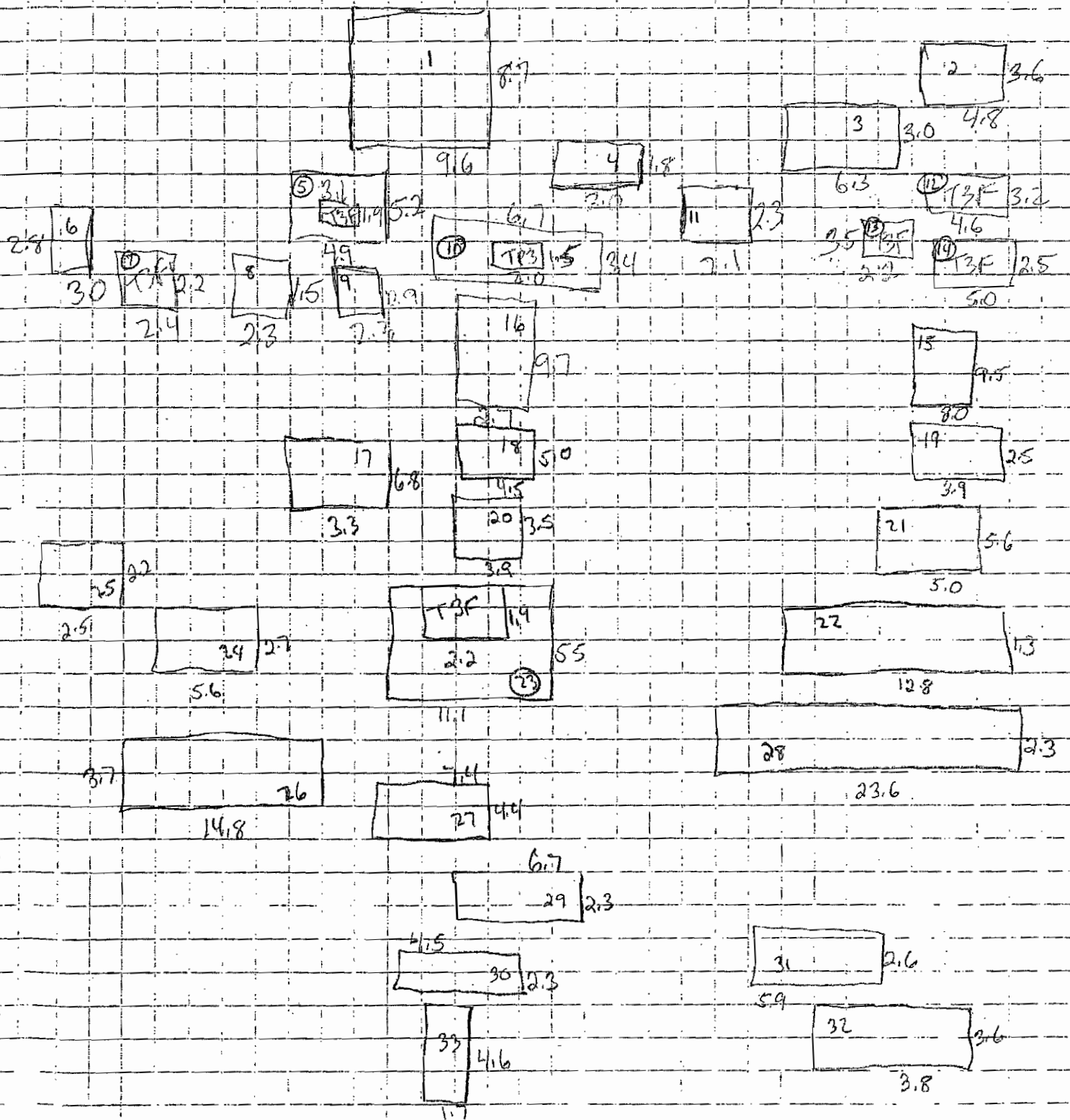
comp by RSN

ITEM: REMOVE SLAB TYPE 123

ITEM #: 2433.505

ITEM UNIT: _____

NB Rt Lane 1300



Measured/Comp'd By: R. Ruby

date _____

Checked By: Wed

date 7-25-07

1206 - 1300

NB Rt Lane 1200-1300'

1 $8.7 \times 9.6 = 83.52$

18 $5.0 \times 4.5 = 22.5$

2 $3.6 \times 4.8 = 17.28$

19 $2.5 \times 3.9 = 9.75$

3 $3.0 \times 6.3 = 18.9$

20 $3.5 \times 3.9 = 13.65$

4 $1.8 \times 3.0 = 5.4$

21 $5.6 \times 5.0 = 28.0$

5 $4.9 \times 5.2 = 25.48$

22 $1.3 \times 12.8 = 16.64$

6 $2.8 \times 3.0 = 8.4$

23 $5.5 \times 11.1 = 61.05$

7 $2.2 \times 2.4 = 5.28$

24 $2.7 \times 5.6 = 15.12$

8 $1.5 \times 2.3 = 3.45$

25 $2.2 \times 2.5 = 5.5$

9 $2.9 \times 2.3 = 6.67$

26 $3.7 \times 14.8 = 54.76$

10 $6.7 \times 3.4 = 22.78$

27 $7.4 \times 4.4 = 32.56$

11 $2.3 \times 2.1 = 4.83$

28 $23.6 \times 2.3 = 54.28$

12 $3.2 \times 4.6 = 14.72$

29 $6.7 \times 2.3 = 15.41$

13 $3.5 \times 2.2 = 7.7$

30 $4.5 \times 2.3 = 10.35$

14 $2.5 \times 5.0 = 12.5$

31 $2.6 \times 5.9 = 15.34$

15 $9.5 \times 8.0 = 76.0$

32 $3.6 \times 3.8 = 13.68$

16 $9.7 \times 2.7 = 26.19$

33 $4.6 \times 1.7 = 7.82$

17 $6.8 \times 3.3 = 22.44$

Total 361.54 ✓

Total 376.41 ✓

Total 737.95 ✓

HA
7.25-07

TP3

T3F

comp by RTN

5 $1.9 \times 3.1 = 5.89$

7 $2.2 \times 2.4 = 5.28$

10 $1.5 \times 2.0 = 3.0$

12 $3.2 \times 4.6 = 14.72$

13 $3.5 \times 2.2 = 7.7$

14 $2.5 \times 5.0 = 12.5$

23 $1.9 \times 2.2 = 4.18$ Total 53.271

26

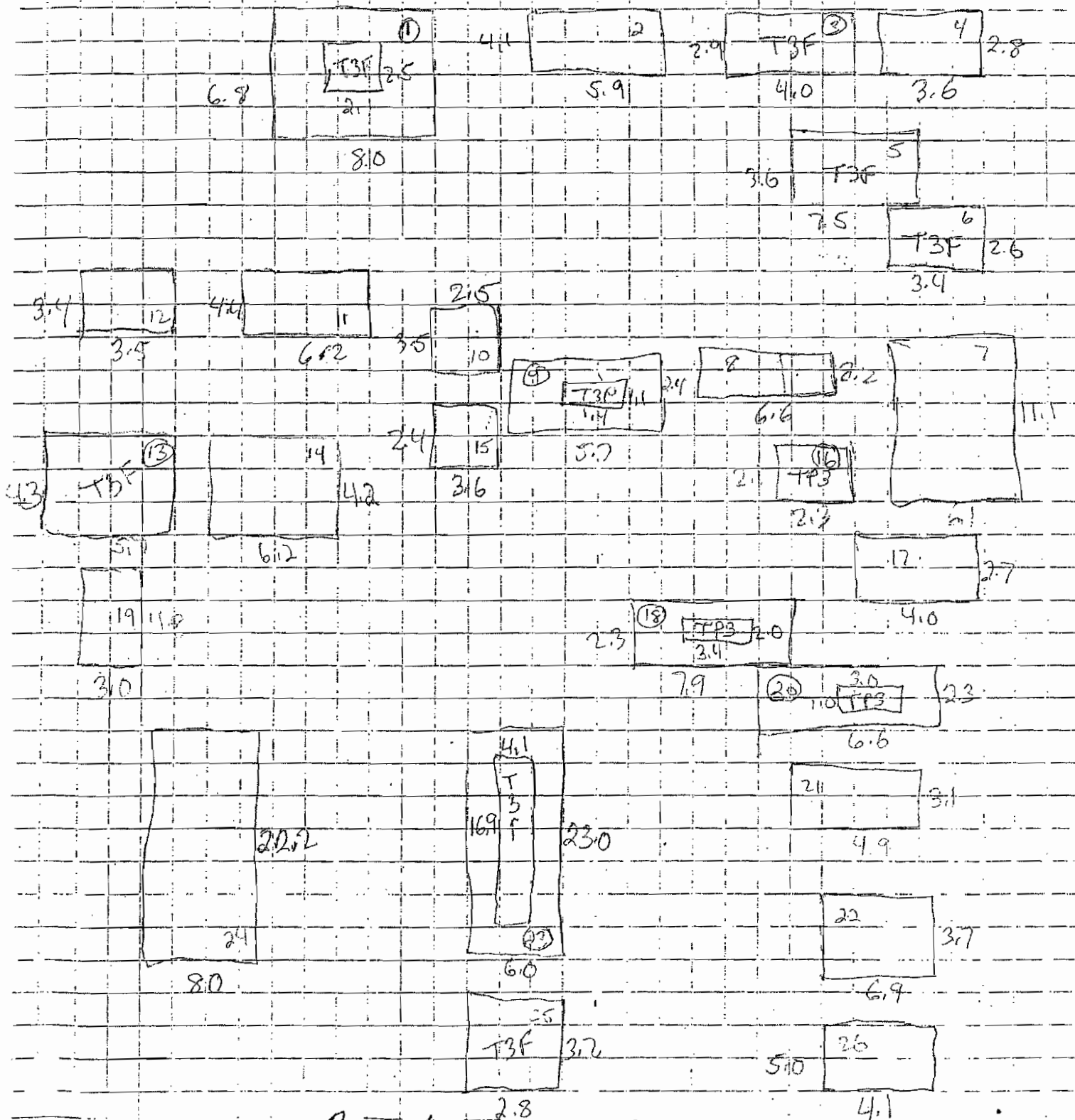
ITEM: REMOVE SLAB TYPE 123

ITEM #: 2344.505

ITEM UNIT: SF

NO R+ Lane

1400



NB Rt lane 1300-1400

- 1 $6.8 \times 8.0 = 54.4$
- 2 $4.1 \times 5.9 = 24.19$
- 3 $2.9 \times 4.0 = 11.6$
- 4 $2.8 \times 3.6 = 10.08$
- 5 $3.6 \times 7.5 = 27.0$
- 6 $2.6 \times 3.4 = 8.84$
- 7 $6.1 \times 11.1 = 67.71$
- 8 $3.2 \times 6.6 = 21.12$
- 9 $5.7 \times 2.4 = 13.68$
- 10 $2.5 \times 3.5 = 8.75$
- 11 $4.4 \times 6.2 = 27.28$
- 12 $3.5 \times 3.4 = 11.9$
- 13 $4.3 \times 5.7 = 24.51$

Total 311.06✓

- 14 $4.2 \times 6.2 = 26.04$
- 15 $2.4 \times 3.6 = 8.64$
- 16 $2.1 \times 2.3 = 4.83$
- 17 $2.7 \times 4.0 = 10.8$
- 18 $2.3 \times 7.9 = 18.17$
- 19 $4.8 \times 3.0 = 14.4$
- 20 $6.6 \times 2.3 = 15.18$
- 21 $3.1 \times 4.9 = 15.19$
- 22 $3.7 \times 6.9 = 25.53$
- 23 $23.0 \times 6.0 = 138.0$
- 24 $22.2 \times 8.0 = 177.6$
- 25 $3.2 \times 2.8 = 8.96$
- 26 $5.0 \times 4.1 = 20.5$

Total 483.84✓

Total 794.9

T2P

- 9 $1.1 \times 1.4 = 1.54$
- 16 $2.1 \times 2.3 = 4.83$
- 18 $2.0 \times 3.4 = 6.8$
- 20 $3.0 \times 1.0 = 3.0$

Total 16.17✓

✓B1 Hld 7-2707

comply ROR

T3F

- 1 $2.5 \times 2.1 = 5.25$
- 3 $2.9 \times 4.0 = 11.6$
- 5 $3.6 \times 7.5 = 27.0$
- 6 $2.6 \times 3.4 = 8.84$
- 13 $4.3 \times 5.7 = 24.51$
- 23 $16.9 \times 4.1 = 69.29$
- 25 $3.2 \times 2.8 = 8.96$

Total 155.45✓

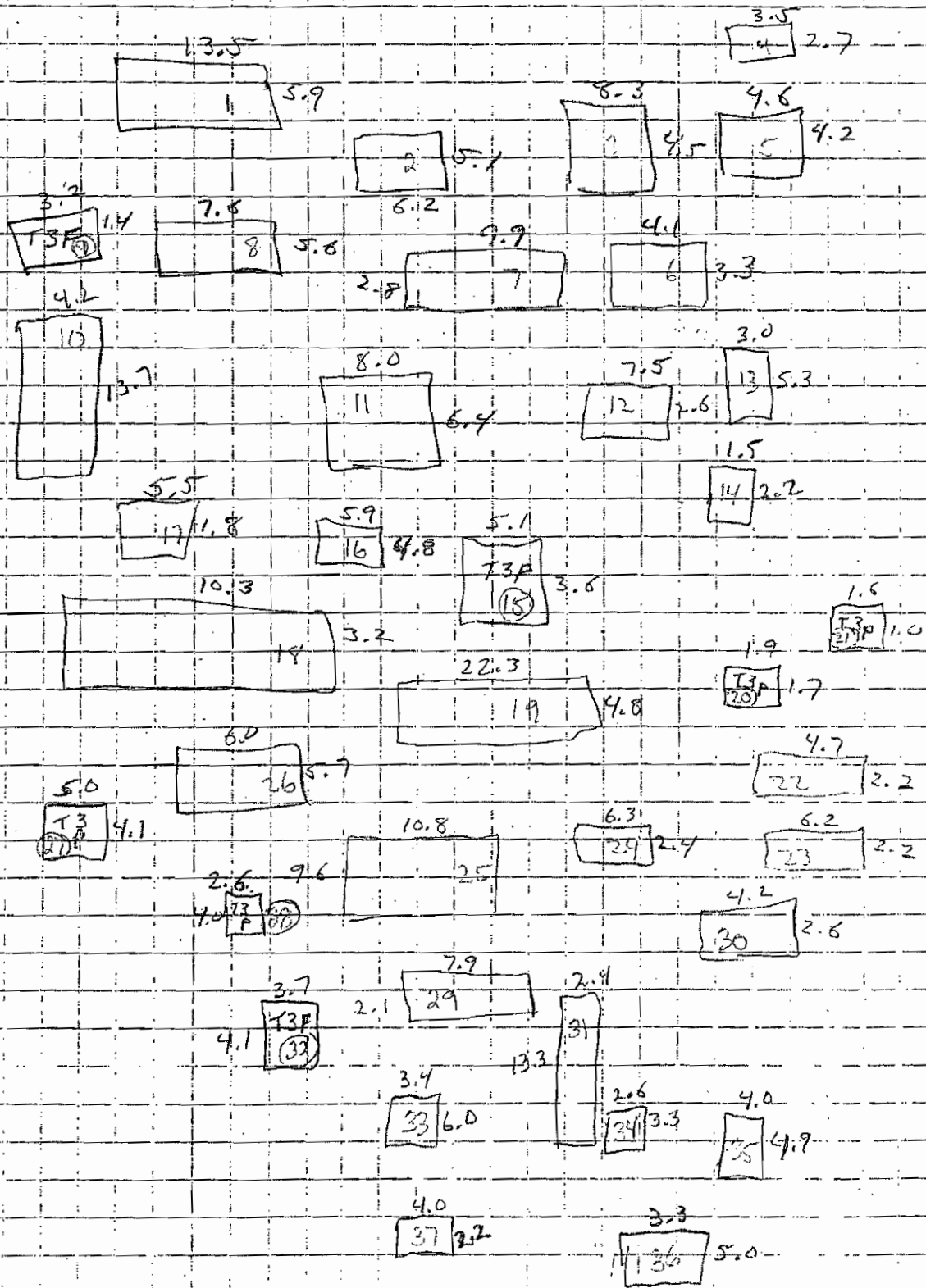
ITEM: REMOVE SLAB TYPE 123

ITEM #: 2433.505

ITEM UNIT: _____

W.B R4 Lane

1500



Measured/Comp'd By: _____

date _____

Checked By: HU

date 7-28-07

1400 - 1500

NB RT LV 1400-1500

1 $13.5 \times 5.9 = 79.65$

20 $1.9 \times 1.7 = 3.23$

2 $5.1 \times 6.2 = 31.62$

21 $1.6 \times 1.0 = 1.6$

3 $8.3 \times 4.5 = 37.35$

22 $4.7 \times 2.2 = 10.34$

4 $3.5 \times 2.7 = 9.45$

23 $6.2 \times 2.2 = 13.64$

5 $4.6 \times 4.2 = 19.32$

24 $6.3 \times 2.4 = 15.12$

6 $4.1 \times 3.3 = 13.53$

25 $10.8 \times 9.6 = 103.68$

7 $9.9 \times 2.8 = 27.72$

26 $6.0 \times 5.7 = 34.2$

8 $7.6 \times 5.6 = 42.56$

27 $5.0 \times 4.1 = 20.5$

9 $3.2 \times 1.4 = 4.48$

28 $2.6 \times 4.0 = 10.4$

10 $4.2 \times 13.7 = 57.54$

29 $7.9 \times 2.1 = 16.59$

11 $8.0 \times 6.4 = 51.2$

30 $4.2 \times 2.6 = 10.92$

12 $7.5 \times 2.6 = 19.5$

31 $2.4 \times 13.3 = 31.92$

13 $3.0 \times 5.3 = 15.9$

32 $3.7 \times 4.1 = 15.17$

14 $1.5 \times 2.2 = 3.3$

33 $3.4 \times 6.0 = 20.4$

15 $5.1 \times 3.6 = 18.36$

34 $2.6 \times 3.3 = 8.58$

16 $5.9 \times 4.8 = 28.32$

35 $4.0 \times 4.9 = 19.6$

17 $5.5 \times 1.8 = 9.9$

36 $3.3 \times 5.0 = 16.5$

18 $10.3 \times 3.2 = 32.96$

37 $4.0 \times 2.2 = 8.8$

19 $22.3 \times 4.8 = 107.04$

Total 609.7✓

Total 361.19✓

Total 970.89

TP3

T3F

20 $1.9 \times 1.7 = 3.23$

9 $3.2 \times 1.4 = 4.48$

21 $1.6 \times 1.0 = 1.6$

15 $5.1 \times 3.6 = 18.36$

27 $5.0 \times 4.1 = 20.5$

32 $3.7 \times 4.1 = 15.17$

28 $2.6 \times 4.0 = 10.4$

Total 35.73✓

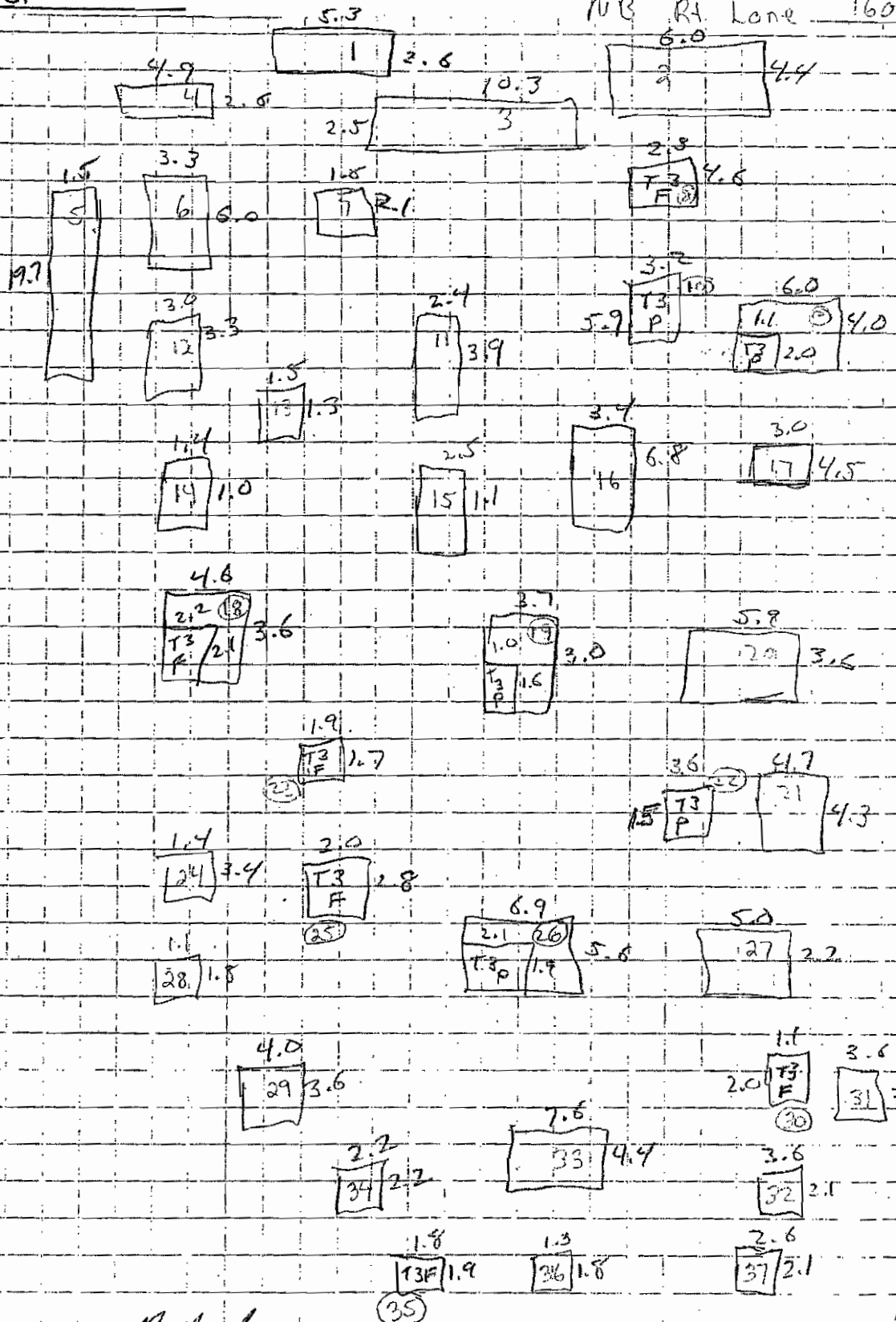
Total 38.01✓

Comp by RJR

13/11/07
7-8-07

ITEM: REMOVE SLAB TYPE 183
 ITEM #: 2433.505
 ITEM UNIT: SF

NB Rt. Lane 1600



Measured/Comp'd By: M. N. N. N.
 Checked By: HEA

date 7-28-07

1500 - 1600

NB R4 LN 1500'-1600'

1 $5.3 \times 2.6 = 13.78$

2 $6.0 \times 4.4 = 26.4$

3 $10.3 \times 2.5 = 25.75$

4 $4.9 \times 2.6 = 12.74$

5 $19.7 \times 1.5 = 29.55$

6 $3.3 \times 6.0 = 19.8$

7 $1.6 \times 2.1 = 3.36$

8 $2.3 \times 4.6 = 10.58$

9 $6.0 \times 4.0 = 24.0$

10 $5.9 \times 3.2 = 18.88$

11 $2.4 \times 3.9 = 9.36$

12 $3.0 \times 3.3 = 9.9$

13 $1.5 \times 1.3 = 1.95$

14 $1.4 \times 1.0 = 1.4$

15 $2.5 \times 1.1 = 2.75$

16 $3.4 \times 6.8 = 23.12$

17 $3.0 \times 4.5 = 13.5$

18 $4.6 \times 3.6 = 16.56$

19 $3.7 \times 3.0 = 11.1$

Total 274.48✓

20 $5.9 \times 3.6 = 21.24$

21 $4.7 \times 4.3 = 20.21$

22 $3.6 \times 1.5 = 5.4$

23 $1.9 \times 1.7 = 3.23$

24 $1.4 \times 3.4 = 4.76$

25 $2.0 \times 2.8 = 5.6$

26 $6.9 \times 5.6 = 38.64$

27 $5.0 \times 2.2 = 11.0$

28 $1.1 \times 1.8 = 1.98$

29 $4.0 \times 3.6 = 14.4$

30 $2.0 \times 1.1 = 2.2$

31 $3.6 \times 3.0 = 10.8$

32 $3.6 \times 2.1 = 7.56$

33 $7.6 \times 4.4 = 33.44$

34 $2.2 \times 2.2 = 4.84$

35 $1.8 \times 1.9 = 3.42$

36 $1.3 \times 1.8 = 2.34$

37 $2.6 \times 2.1 = 5.46$

196.52

Total 385.24

comp by RSR VBI HU 7-28-01

Total 659.72 471.0

TP3

T3F

9 $1.1 \times 2.0 = 2.2$

10 $5.9 \times 3.2 = 18.88$

19 $1.0 \times 1.6 = 1.6$

22 $3.6 \times 1.5 = 5.4$

26 $2.1 \times 1.9 = 3.99$

Total 32.07✓

8 $2.3 \times 4.6 = 10.58$

18 $2.2 \times 2.1 = 4.62$

23 $1.4 \times 1.7 = 3.23$

25 $2.0 \times 2.8 = 5.6$

30 $2.0 \times 1.1 = 2.2$

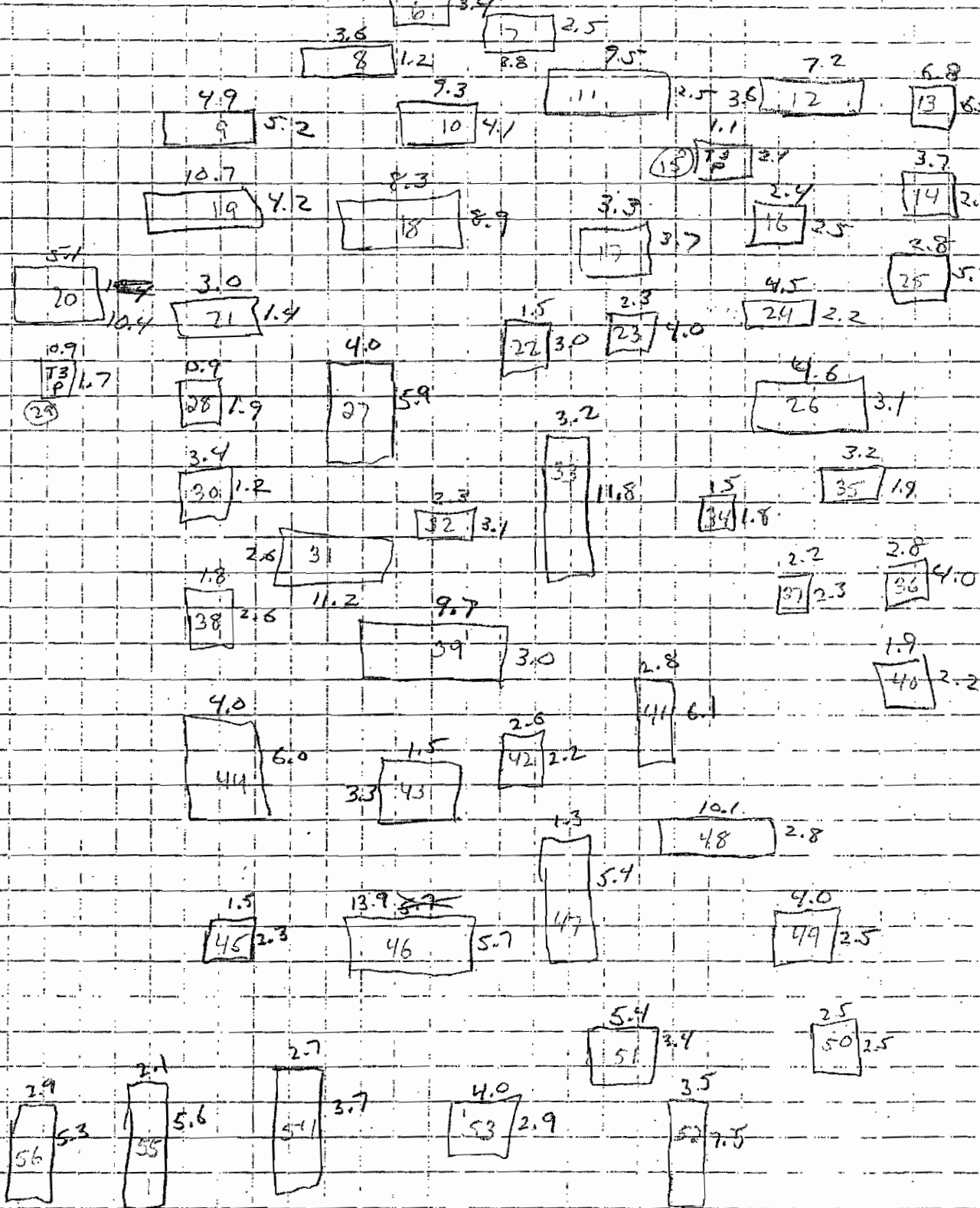
35 $1.8 \times 1.9 = 3.42$ Total 29.65✓

32

ITEM: PERMANENT SLABTYPE 123
 ITEM #: 2433.505
 ITEM UNIT: SP

1 2.2 5.6 8.6 3 13.8 4 7.7 5.1 5 8.6

2.5 3.4 11.8 Rt Lane 1700



Measured/Comp'd By: R. Parker date 8-6-07
 Checked By: A. Unruh date 8-6-07

1600 - 1700

NOB Rt Lane 1600-1700'

1	$8.6 \times 2.2 = 18.92$	20	$5.1 \times 10.4 = 53.04$	39	$9.7 \times 3.0 = 29.1$
2	$5.6 \times 3.4 = 19.04$	21	$3.0 \times 1.4 = 4.2$	40	$1.9 \times 2.2 = 4.18$
3	$3.0 \times 13.8 = 41.4$	22	$1.5 \times 3.0 = 4.5$	41	$2.8 \times 6.1 = 17.08$
4	$7.7 \times 4.0 = 30.8$	23	$2.3 \times 4.0 = 9.2$	42	$2.6 \times 2.2 = 5.72$
5	$5.1 \times 8.6 = 43.86$	24	$4.5 \times 2.3 = 9.9$	43	$3.3 \times 1.15 = 4.95$
6	$2.5 \times 3.4 = 8.5$	25	$2.8 \times 5.7 = 15.96$	44	$4.0 \times 6.0 = 24.0$
7	$2.8 \times 2.5 = 22.0$	26	$4.6 \times 3.1 = 14.26$	45	$1.5 \times 2.3 = 3.45$
8	$3.6 \times 1.2 = 4.32$	27	$1.5 \times 5.9 = 23.6$	46	$13.9 \times 5.7 = 79.2$
9	$4.9 \times 5.2 = 25.48$	28	$0.9 \times 1.9 = 1.71$	47	$1.3 \times 5.4 = 7.02$
10	$9.3 \times 4.1 = 38.13$	29	$0.9 \times 1.7 = 1.53$	48	$10.1 \times 2.8 = 28.2$
11	$9.5 \times 2.5 = 23.75$	30	$3.4 \times 1.2 = 4.08$	49	$4.0 \times 2.5 = 10.0$
12	$3.6 \times 7.2 = 25.92$	31	$2.6 \times 11.2 = 29.12$	50	$2.5 \times 2.5 = 6.2$
13	$6.8 \times 6.3 = 42.84$	32	$2.3 \times 3.1 = 7.13$	51	$5.4 \times 3.4 = 18.3$
14	$3.2 \times 2.9 = 10.73$	33	$3.2 \times 11.8 = 37.76$	52	$3.5 \times 7.5 = 26.2$
15	$1.1 \times 2.1 = 2.31$	34	$1.5 \times 1.8 = 2.7$	53	$4.0 \times 2.9 = 11.6$
16	$2.4 \times 2.5 = 6.0$	35	$3.2 \times 1.9 = 6.08$	54	$2.7 \times 3.7 = 9.9$
17	$3.3 \times 3.7 = 12.21$	36	$2.8 \times 4.0 = 11.2$	55	$2.1 \times 5.6 = 11.76$
18	$8.3 \times 8.9 = 73.87$	37	$2.2 \times 2.3 = 5.06$	56	$2.9 \times 5.3 = 15.3$
19	$10.7 \times 4.2 = 44.94$	38	$1.8 \times 2.6 = 4.68$		

Total 495.02 ✓

Total 245.71 ✓

Total 312.59 ✓

Total 1053.32 ✓

T.P.3

T.3F

15' 1.1 x 2.1 = 2.31

29' 0.9 x 1.7 = 1.53

Total 3.84 ✓

✓ B, AU 8-6-07

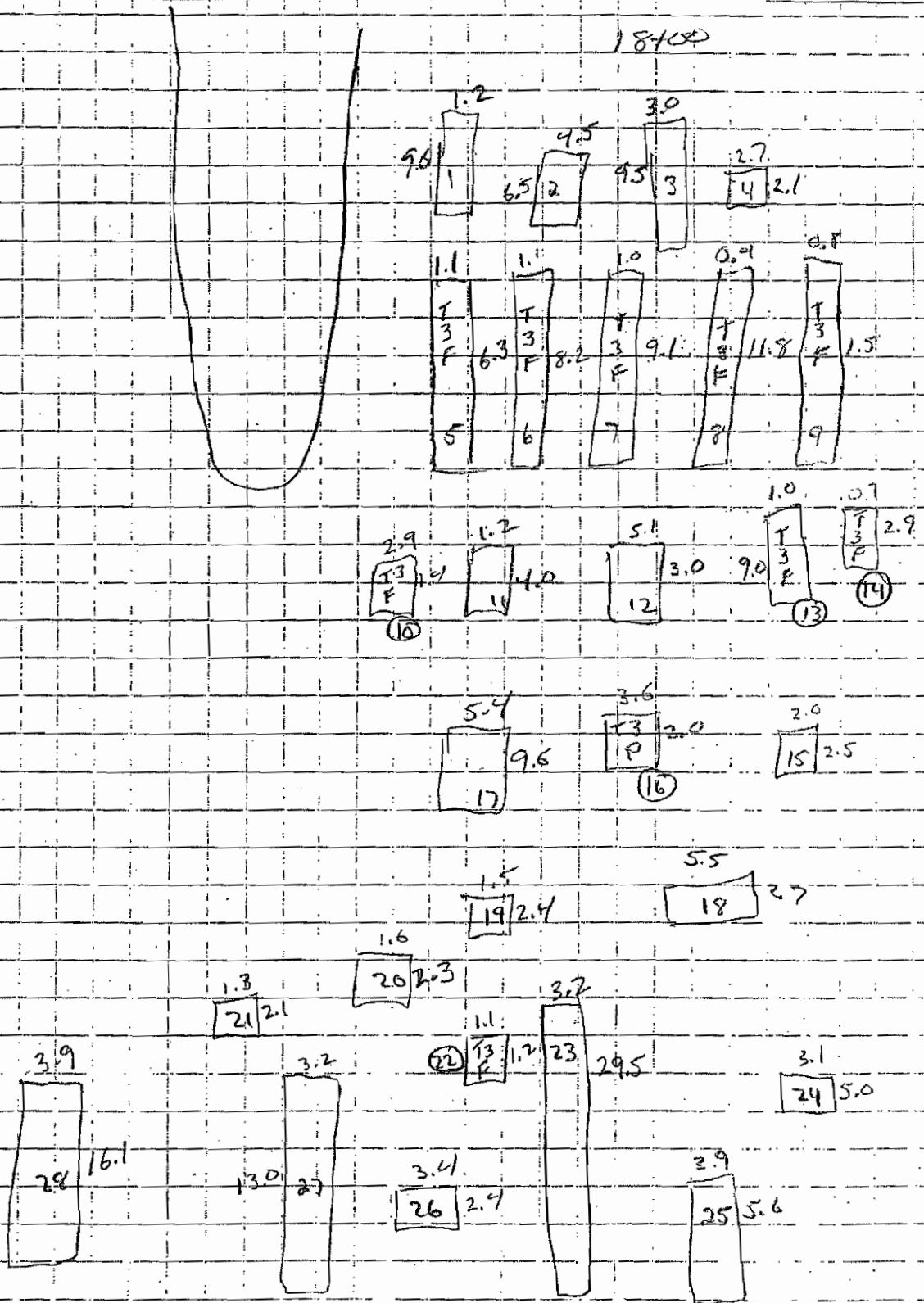
comp by R. JR

ITEM: REINFORCING SLAB TYPE 1 & 3

ITEM #: 2433.505

ITEM UNIT: SP

QUER



Measured/Comp'd By: [Signature]

date

Checked By: [Signature]

date

8-6-07

17400
to 18400

NB Rt LANE 1700 - No Abn

1	$9.6 \times 1.2 = 11.52$	21	$1.3 \times 2.1 = 2.73$	41	$2.1 \times 1.6 = 3.36$
2	$6.5 \times 4.5 = 29.25$	22	$1.1 \times 1.2 = 1.32$	42	$4.8 \times 2.0 = 9.6$
3	$3.0 \times 9.5 = 28.5$	23	$3.2 \times 29.5 = 94.4$	43	$7.1 \times 1.3 = 9.23$
4	$2.7 \times 2.1 = 5.67$	24	$3.1 \times 5.0 = 15.5$	44	$1.8 \times 7.1 = 12.78$
5	$6.3 \times 1.1 = 6.93$	25	$3.9 \times 5.6 = 21.84$	45	$5.6 \times 3.1 = 17.36$
6	$8.2 \times 1.1 = 9.02$	26	$3.4 \times 2.4 = 8.16$	46	$2.4 \times 5.0 = 12.0$
7	$9.1 \times 1.0 = 9.1$	27	$3.2 \times 13.0 = 41.6$	47	$2.0 \times 8.7 = 17.4$
8	$11.8 \times 0.9 = 10.62$	28	$3.9 \times 16.1 = 62.79$	48	$4.1 \times 6.6 = 27.06$
9	$0.8 \times 1.5 = 1.2$	29	$10.0 \times 2.2 = 22.0$	49	$1.3 \times 7.2 = 9.36$
10	$2.9 \times 1.4 = 4.06$	30	$2.6 \times 2.8 = 7.28$	50	$3.0 \times 3.0 = 9.0$
11	$1.2 \times 4.0 = 4.8$	31	$1.1 \times 9.5 = 10.45$	51	$0.9 \times 7.8 = 7.02$
12	$5.1 \times 3.0 = 15.3$	32	$2.2 \times 22.7 = 49.94$	52	$1.0 \times 6.0 = 6.0$
13	$9.0 \times 1.0 = 9.0$	33	$2.0 \times 1.0 = 2.0$	53	$1.1 \times 13.7 = 15.07$
14	$0.7 \times 2.9 = 2.03$	34	$1.4 \times 1.7 = 2.38$	54	$1.1 \times 17.0 = 18.7$
15	$2.0 \times 2.5 = 5.0$	35	$2.0 \times 3.1 = 6.2$	55	$1.2 \times 8.5 = 10.2$
16	$3.6 \times 2.0 = 7.2$	36	$2.0 \times 2.0 = 4.0$	56	$1.5 \times 7.4 = 11.1$
17	$5.4 \times 9.6 = 51.84$	37	$2.7 \times 4.1 = 11.07$	57	$2.1 \times 1.1 = 2.31$
18	$5.5 \times 2.7 = 14.85$	38	$2.3 \times 4.5 = 10.35$	58	$1.1 \times 11.1 = 12.21$
19	$1.5 \times 2.4 = 3.6$	39	$1.0 \times 23.3 = 23.3$	59	$1.7 \times 9.9 = 16.83$
20	$1.6 \times 2.3 = 3.68$	40	$2.8 \times 2.0 = 5.6$	60	$2.7 \times 4.1 = 11.07$

Total 233.17

Total 402.91

Total 237.66

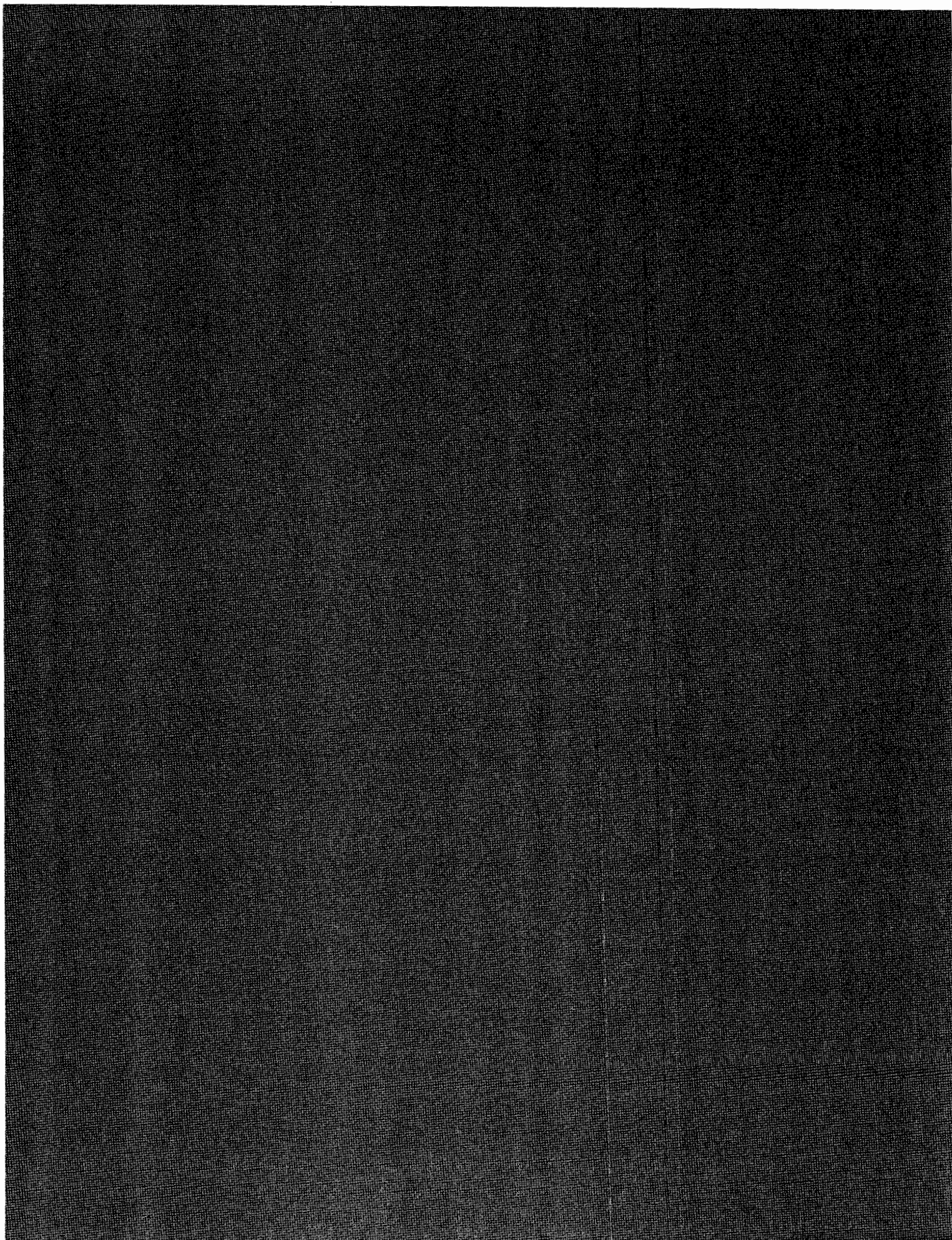
TRF

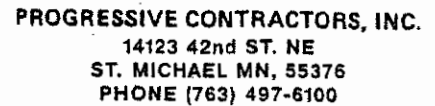
Total 873.74

5	$6.3 \times 1.1 = 6.93$	10	$2.9 \times 1.4 = 4.06$	52	$1.0 \times 6.0 = 6.0$	57	$2.1 \times 1.1 = 2.31$
6	$8.2 \times 1.1 = 9.02$	13	$9.0 \times 1.0 = 9.0$	53	$1.1 \times 13.7 = 15.07$	59	$2.0 \times 2.1 = 4.2$
7	$9.1 \times 1.0 = 9.1$	14	$2.9 \times 0.7 = 2.03$	54	$1.1 \times 17.0 = 18.7$	Total 127.88	
8	$11.8 \times 0.9 = 10.62$	22	$1.1 \times 1.2 = 1.32$	55	$1.2 \times 8.5 = 10.2$	TP3	
9	$0.8 \times 1.5 = 1.2$	51	$0.9 \times 7.8 = 7.02$	56	$1.5 \times 7.4 = 11.1$	16	$3.6 \times 2.0 = 7.2$

Comp by RJA

36 ✓ BJA HLL





I, the undersigned, will assume all responsibility for any damage where delivery is made inside of the curb.
Signature _____



Minnesota Department of Transportation

TP 21412-03 (3/2000)

Weekly Report of "Low Slump Concrete"

Low S.P. Number: 2783-107 Engineer: NELSON/EMBAUGH Report Number: 3 NR 4 9340
Contractor: PCI Mixer Type & Serial: 4010 363210201 Inspector: RAE TRESSLER
Admixture (AEA): POLY CHIM WR 0033007 Average oz/yd³: 32.02 Week Ending: 7-21-7
Admixture (Water Reducer): POLY CHIM 4000 Average oz/cw: 32.02 Paddle Type Mixer-Volume Per Batch: 7.21-7
Aggregate Source: CA 70 M&M TR FA: ALC INO Concrete-Mobile-Revolution to Produce 1 yd³: 234

DATA APPLICABLE TO BOTH MIXERS:		Date	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
Air Test Results	Air (Percent)	10.5	5.8	7.0	6.0	6.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	Location	6.5	3.90	6.780	10.170	13.570	16.960	20.350	23.740	27.130	30.520	33.910	37.300	40.690	44.080
	Air (Percent)	6.0	7.9	10.5	13.0	15.5	18.0	20.5	23.0	25.5	28.0	30.5	33.0	35.5	38.0
Test Specimen	Cylinder ID	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346
	Location	6.5	3.90	6.780	10.170	13.570	16.960	20.350	23.740	27.130	30.520	33.910	37.300	40.690	44.080
	Cylinder ID	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346
Gradation	CA ID	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346
	Location	6.5	3.90	6.780	10.170	13.570	16.960	20.350	23.740	27.130	30.520	33.910	37.300	40.690	44.080
	FA ID	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346	1346
Slump Tests	Slump	1/2"	3/4"	5/8"	5/8"	1/2"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Location	6.5	3.90	6.780	10.170	13.570	16.960	20.350	23.740	27.130	30.520	33.910	37.300	40.690	44.080
	Slump	1/2"	3/4"	5/8"	5/8"	1/2"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
CONCRETE-MOBILE	Start	6.5	3.90	6.780	10.170	13.570	16.960	20.350	23.740	27.130	30.520	33.910	37.300	40.690	44.080
	End	34740	34740	34740	34740	34740	34740	34740	34740	34740	34740	34740	34740	34740	34740
	yd ³ Batched	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7
PADDLE TYPE MIXER	Waste	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	yd ³ Used	150	150	150	150	150	150	150	150	150	150	150	150	150	150
	yd ³ Placed	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
Batch Date	Number Batches	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Total Volume Batched	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7
	Waste	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Cement Record (Indicate Kilograms or Bags)	yd ³ Placed	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
	Quality at Start	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
	Delivered today	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
Water	Total	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
	Waste	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	Used for Slurry	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Remarks	Quality Remaining	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
	Average Water/yd ³	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2

Enter preliminary gradations on Report 1 only.

Remarks (Problems in placing, curing, etc.)

Report by: TRESSLER

Checked by: H. Clark

Signed: Kenneth A. Nelson
Engineer

LOW SLUMP FIELD REPORT

S.P. 2783-107 BRIDGE No. 9340 NB LANE 2 RIGHT LANES - SO. END
 DATE 7.19.7 INSPECTORS TRESSLER UNRUH RUCKER

MIXER NO.	<u>59-109</u>
ROCK GATE SETTING	<u>5.4</u>
HIFLO SETTING (WR)	<u>6.6</u>
SAND GATE SETTING	<u>6.0</u>
LOFLO SETTING (AIR)	<u>4.5</u>
AEA BRAND & LOT #	<u>POLYCHEM VR # D033007</u>
WATER REDUCER BRAND & LOT #	<u>POLYCHEM 400 NC #A0457</u>
CURING COMPOUND BRAND & LOT #	<u>WR MEADOWS M-7HE249</u>

TIME	6:25pm	7:15pm	7:50pm	8:30pm	9:12pm	9:45pm	10:20pm	11:00pm
METER	<u>0</u>	<u>3390</u>	<u>6780</u>	<u>10170</u>	<u>13570</u>	<u>16960</u>	<u>20350</u>	<u>23740</u>
% AIR	<u>6.5</u>	<u>5.8</u>	<u>7.0</u>	<u>6.0</u>	<u>6.2</u>	<u>6.2</u>	<u>6.0</u>	<u>6.0</u>
SLUMP	<u>1/2"</u>	<u>3/4"</u>	<u>5/8"</u>	<u>5/8"</u>	<u>1/2"</u>	<u>3/8"</u>	<u>1/2"</u>	<u>3/4"</u>
CLY #	<u>BR46</u>	<u>-</u>	<u>BR47</u>	<u>-</u>	<u>BR48</u>	<u>-</u>	<u>BR49</u>	<u>-</u>

a) METER CALIBRATION PER C.Y.	<u>226</u>
b) METER STARTING	<u>0</u>
c) METER ENDING	<u>34740</u>
d) C.Y. BATCHED	<u>153.7</u> (c-b/a = d)
e) C.Y. WASTED	<u>3.7</u> (spoils or unused concrete)
f) C.Y. USED	<u>150.0</u> (d - e = f)
STARTING TIME	<u>6:30pm</u>
ENDING TIME	<u>1:00am</u>

S.F. COMPUTATIONS:
<u>150 x 27 = 4050 CF</u>
<u>4050 ÷ 19252.5' = .21'</u> ✓ <u>1/4"</u>

REMARKS:

LOW SLUMP FIELD REPORT

S.P. 2783-107 BRIDGE No. _____ LANE _____
 DATE 7.19.7 INSPECTORS _____

MIXER NO.	
ROCK GATE SETTING	HIFLO SETTING (WR)
SAND GATE SETTING	LOFLO SETTING (AIR)
AEA BRAND & LOT # _____	
WATER REDUCER BRAND & LOT # _____	
CURING COMPOUND BRAND & LOT # _____	

TIME	<u>1130pm</u>	<u>1205AM</u>	<u>1240AM</u>					
METER	<u>27140</u>	<u>30530</u>	<u>33920</u>					
% AIR	<u>7.9</u>	<u>6.5</u>	<u>5.2</u>					
SLUMP	<u>1/2"</u>	<u>1/2"</u>	<u>5/8"</u>					
CLY #	<u>BR 51</u>	<u>—</u>	<u>BR 52</u>					

a) METER CALIBRATION PER C.Y.	_____	STARTING TIME	_____
b) METER STARTING	_____	ENDING TIME	_____
c) METER ENDING	_____		
d) C.Y. BATCHED	_____	(c-b/a = d)	
e) C.Y. WASTED	_____	(spoils or unused concrete)	
f) C.Y. USED	_____	(d - e = f)	

S.F. COMPUTATIONS:

REMARKS :

SHEET NO. _____

BRIDGE NO. _____

MADE BY _____

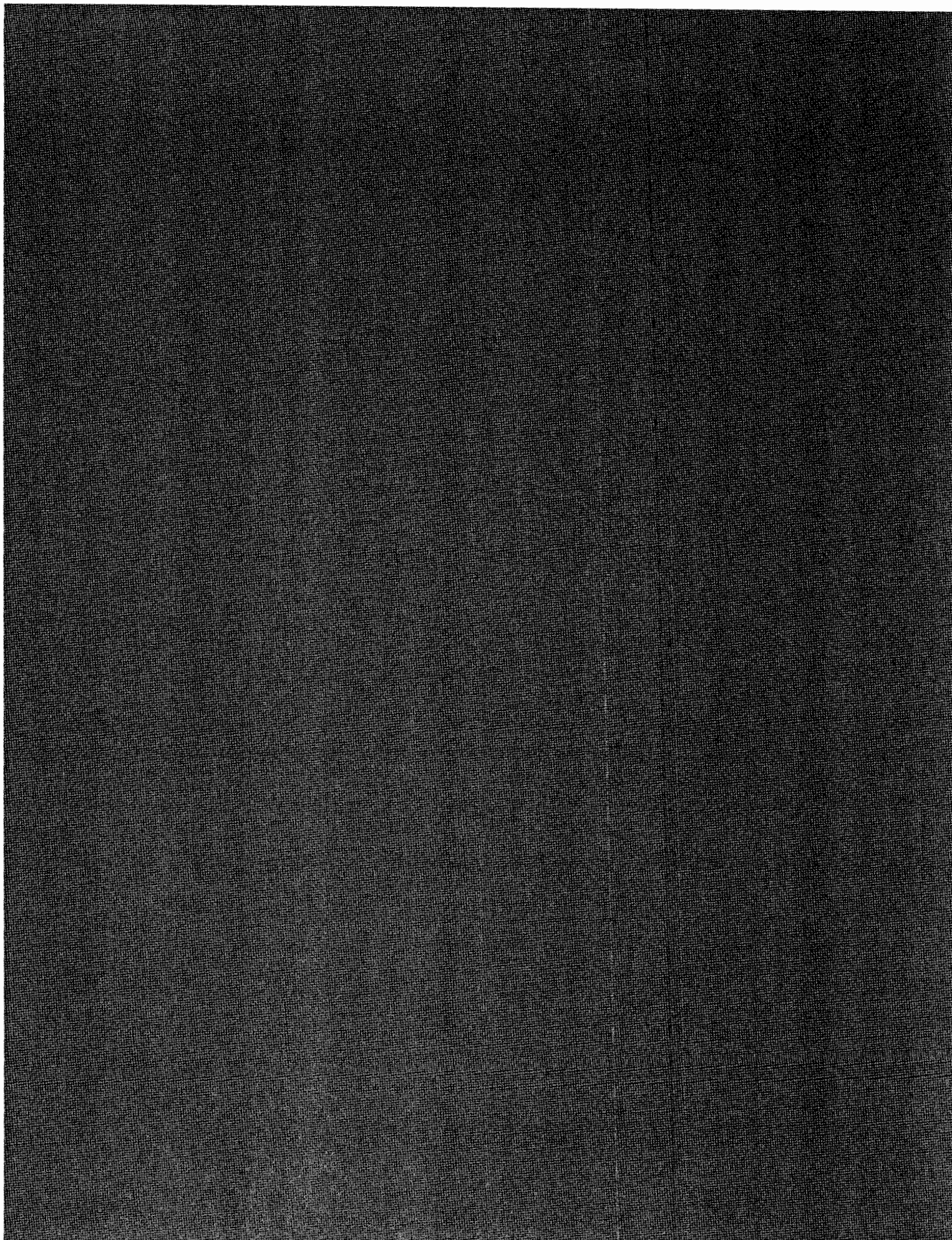
CHKG. BY _____

DATE _____

DESIGN COMPUTATIONS

DESIGN OF _____

16 + 30.5 = $\frac{46.5}{2} = 23.25$		31	22.4	606 x .84 = 509.04 SF
		-	23.0	703.7 WASTE
160 x 23.25 = 3720 SF		47		11,146.05 SF PLACED
		-	24.0	1104.5
		52		1281.8
		-	25.3	
		34		814.3
		-	22.6	
		46	31.2	1288.0
		-	24.8	14866.05 SF
		40		900.0 TOTAL PLACED
		-	20.2	
		50		930.0 14866.05 x .17 =
16		-	17.0	2527.23 =
		50		27
		-	15.0	93.6 cy placed
		103		
		-	12.7	1426.55
160		153		509.04 x .17 =
		-	12.1	86.5 CF =
30.5				27 3.2 + 1
				cy waste



Weekly Report of “Low Slump Concrete”

Low S.P. Number: 2783-107
 Contractor: PCT
 Admixture (AEA): POLYCHEN VR
 Admixture (Water Reducer): POLYCHEN 4102PL
 Aggregate Source: CAZAR MARTIN MARITTA
 Engineer: NELSON/EMBAACHE, R
 Mixer Type & Serial: BLVD 3632/MOBILE
 Average oz/yd' 3202
 Average oz/cwt 456
 FA: IND
 Report Number: 4B
 Inspector: RAE JESSICA
 Week Ending: 7-28-7
 Paddle Type Mixer-Volume Per Batch: 234
 Concrete-Mobile-Revolution to Produce 1 yd' 234

Date	"	"	"	"	"	"
DATA APPLICABLE TO BOTH MIXERS:	7-27					
Air (Percent)	68.93%					
Location	7.7	6.3	6.0	6.0	6.5	5.0
Air (Percent)	0	35.1	7022	10533	14044	21066
Results	5.5	5.5				5/8" or No. 4 1/2" or No. 4 3/8" or No. 8 No. 4 or No. 16 No. 30 No. 50 No. 100
Cylinder ID	24577	28088			6277	6278
Location	6275	-	6276	-	14044	21066
Cylinder ID	0	251	7022	10533		
Location	-	6279				
Test Specimen	24577	28088				
Aggregate Grading*						

- Enter preliminary gradations on Report 1 only.

Remarks (Problems in placing, curing, etc.)

Report by: TKISSER

Checked by: H. Umas

Signed:

Engineer

LOW SLUMP FIELD REPORT

S.P. 2783-107 BRIDGE No. 9340NB LANE R LANE + R LANE TO UNIV.
 DATE 7.27.7 INSPECTORS TRESSLER UNRUH RUCKER

MIXER NO. <u>59109</u>
ROCK GATE SETTING <u>5.6</u> HIFLO SETTING (WR) <u>6.6</u>
SAND GATE SETTING <u>6.0</u> LOFLO SETTING (AIR) <u>4.5</u>
AEA BRAND & LOT # <u>POLY CHEM VR # DD 33007</u>
WATER REDUCER BRAND & LOT # <u>POLY CHEM 400NC # A0547</u>
CURING COMPOUND BRAND & LOT # <u>WR MEADOWS M-7HE249</u>

TIME	7:00pm	746pm	1146pm	1230am	120am	210am	250am	350am
METER	Ø	3511	7022	10533	14044	17555	21066	24577
% AIR	7.2	6.3	6.0	6.0	6.5	6.5	5.0	5.5
SLUMP	1/2 "	1/2 "	1/2 "	3 1/8 "	5 1/8 "	1 1/2 "	1 1/2 "	1 1/2 "
CLY #	BR75	-	BR76	-	BR77	-	BR78	-

a) METER CALIBRATION PER C.Y.	<u>234</u>
b) METER STARTING	<u>Ø</u>
c) METER ENDING	<u>30022</u>
d) C.Y. BATCHED	<u>128.3</u> (c-b/a = d)
e) C.Y. WASTED	<u>4.2</u> (spoils or unused concrete)
f) C.Y. USED	<u>124.1</u> (d-e = f)
STARTING TIME	<u>7:00pm</u>
ENDING TIME	<u>4:00pm</u>

S.F. COMPUTATIONS:

$$124.1 \times 27 = 3350.7$$

$$3350.7 \div 148166.05 = .226 \text{ ft}$$

REMARKS:

LOW SLUMP FIELD REPORT

S.P. _____ BRIDGE No. _____ LANE _____
 DATE 7-27-77 INSPECTORS _____

MIXER NO.	
ROCK GATE SETTING	HIFLO SETTING (WR)
SAND GATE SETTING	LOFLO SETTING (AIR)
AEA BRAND & LOT # _____	
WATER REDUCER BRAND & LOT # _____	
CURING COMPOUND BRAND & LOT # _____	

TIME	<u>445am</u>							
METER	<u>28088</u>							
% AIR	<u>5.5</u>							
SLUMP	<u>1/2</u>							
CLY #	<u>13279</u>							

a) METER CALIBRATION PER C.Y.	_____	STARTING TIME	_____
b) METER STARTING	_____	ENDING TIME	_____
c) METER ENDING	_____		
d) C.Y. BATCHED	_____	(c-b/a = d)	
e) C.Y. WASTED	_____	(spoils or unused concrete)	
f) C.Y. USED	_____	(d - e = f)	

S.F. COMPUTATIONS:

REMARKS :

This is your INVOICE



PROGRESSIVE CONTRACTORS, INC.

14123 42nd ST. NE
ST. MICHAEL MN, 55376
PHONE (763) 497-6100

DATE 7-22-81

SOLD TO T. J. Smith

ADDRESS 14123 42nd St NE

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	YRDS. MIX		

ARRIVE JOB	LEAVE JOB	TIME ON JOB	TIME CHARGE MINUTES PER HOUR	TAX TOTAL

SALE NO.

READING-FINISH

1 1 0 0 4 0 2 6 7 8 8
1 1 0 0 7 0 0 0 0 0 0

READING-START

UNITS DELIVERED

SUBJECT TO THE FOLLOWING CONDITIONS:

ADDED INGREDIENTS

Purchaser assumes full responsibility for strength, slump and quality of concrete when additional water or other material is requested on job.

WATER SIGNED FOR

GALLONS
OF WATER
ADDED

BY

DETENTION OF TRUCKS AT THE BUILDING SITE

Purchaser will be allowed thirty (30) minutes free unloading time after arrival of truck on job. Delay caused by customer over this time will be charged for at the rate of \$ per hour. No claims for delays encountered in delivery will be allowed as all deliveries are made to the best of our ability and dispatch.

ALL ORDERS ARE FOR STREET CURB DELIVERY

I, the undersigned, will assume all responsibility for any damage where delivery is made inside of the curb.
Signature _____

	Date	"	"	"	"	"	"	"	Aggregate Grading*
DATA APPLICABLE TO BOTH MIXERS:									
Air Test Results	Air (Percent)	6.5	5.2	6.8	5.3	5.8	6.8	Date Spec.	
	Air (Percent)	10.5	3390	10780	10170	13560	16950	5/8" or 3/8" 1/2" or No. 4 3/8" or No. 8 No. 4 or No. 16 No. 30 No. 50 No. 100	
	Location	83730	-	BR60	-	BR61	-		
	Cylinder ID	BR59	-	BR60	-	BR61	-		
	Location	BR59	3390	10780	10170	13560	16950		
Test Specimen	Cylinder ID	BR59	3390	10780	10170	13560	16950		
	Location	BR59	3390	10780	10170	13560	16950		

- Enter preliminary gradations on Report 1 only.

Remarks (Problems in placing, curing, etc.)

Report by: Theresa E

Checked by: *A. Choudhary*

Signed:

Engineer

Bary L. Nelson
Engineer

LOW SLUMP FIELD REPORT

S.P. 2783-107 BRIDGE No. 9340 NB LANE RIGHT 2 LANES
 DATE 7.23.7 INSPECTORS TRESSLER UNRUH RUCKER

MIXER NO.	<u>59-109</u>		
ROCK GATE SETTING	<u>5.4</u>	HIFLO SETTING (WR)	<u>6.6</u>
SAND GATE SETTING	<u>6.0</u>	LOFLO SETTING (AIR)	<u>4.5</u>
AEA BRAND & LOT #	<u>POLYCHEM 1R #D033007</u>		
WATER REDUCER BRAND & LOT #	<u>POLYCHEM 400 NC #A0457</u>		
CURING COMPOUND BRAND & LOT #	<u>WR MEADOWS M-7HE249</u>		

TIME	<u>610pm</u>	<u>647pm</u>	<u>725pm</u>	<u>805pm</u>	<u>838pm</u>	<u>931pm</u>	<u>1020pm</u>	<u>1053</u>
METER	<u>0</u>	<u>3390</u>	<u>16780</u>	<u>10170</u>	<u>13560</u>	<u>16950</u>	<u>20340</u>	<u>23730</u>
% AIR	<u>6.5</u>	<u>5.2</u>	<u>6.8</u>	<u>5.3</u>	<u>5.8</u>	<u>5.8</u>	<u>6.8</u>	<u>6.5</u>
SLUMP	<u>1/2"</u>	<u>5/8"</u>	<u>3/4"</u>	<u>1/2"</u>	<u>1/2"</u>	<u>5/8"</u>	<u>1/2"</u>	<u>3/4"</u>
CLY #	<u>BR59</u>	<u>-</u>	<u>BR60</u>	<u>-</u>	<u>BR61</u>	<u>-</u>	<u>BR62</u>	<u>-</u>

a) METER CALIBRATION PER C.Y.	<u>226</u>
b) METER STARTING	<u>0</u>
c) METER ENDING	<u>26788</u>
d) C.Y. BATCHED	<u>118.5</u> (c-b/a = d)
e) C.Y. WASTED	<u>3.0</u> (spoils or unused concrete)
f) C.Y. USED	<u>115.5</u> (d-e = f)
STARTING TIME	<u>615pm</u>
ENDING TIME	<u>11:00pm</u>

S.F. COMPUTATIONS:
<u>115.5 x 27 = 3118.5</u>
<u>3118.5 ÷ 15529.5 = .20</u> ✓ <u>44</u>

REMARKS:



Minnesota Department of Transportation

Weekly Report of "Low Slump Concrete"

TP 21412-03 (3/2000)

Low S.P. Number: 2733-107 Engineer: B. NELSON Report Number: 2
Contractor: PCI Mixer Type & Serial: RAE TR 5518 Inspector: 7-7-07
Admixture (AEA): POLYCHEM VR Average oz/yd: 7.2 Week Ending: 7-7-07
Admixture (Water Reducer): POLYCHEM 400 NL Average oz/cwt: 31.2 Paddle Type Mixer-Volume Per Batch: Concrete-Mobile-Revolution to Produce 1 yd
Aggregate Source: CA 20 MARTIN MARIE ITA FA: AGG 1ND

DATA APPLICABLE TO BOTH MIXERS:				Aggregate Grading*	
Date	1"	1/2"	3/8"	Spec.	Date
Air	7.6	7.2	7.0	5/8" or 3/8"	
Test Results	7.8	7.8	7.2	1/2" or No. 4	
Air (Percent)	7.8	7.8	7.2	3/8" or No. 8	
Location	3468	10248	17028	No. 4 or No. 16	
Cylinder ID	BR30	BR31	BR32	No. 30	
Location	78	10458	13638	No. 50	
Cylinder ID				No. 100	
Location					
Cylinder ID					
Location					
CA ID					
Location					
FA ID					
Location					
Slump	1/2	1/2	1/2		
Location	78	6458	13638		
Slump	3/4	3/4	3/4		
Location	3468	10248	17028		
Slump					
Location					

Enter preliminary gradations on Report 1 only.

Remarks (Problems in placing, curing, etc.)

Report by: [Signature]

Checked by: [Signature]

Signed: [Signature]
Engineer

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WEEKLY REPORT OF "LOW SLUMP CONCRETE"

Low S.P. Number 2783-107
Contractor: PCF
Admixture (AEA): Polychrome VR
Admixture (Water Reducer): Polychrome 450 RC
Aggregate Source: CA: MAGNUM MARBLE 1/4
3240

Engineer: B. NELSON
Mixer Type & Serial: 3240 3632 / MOBILE
Average Ounces/C.Y.: 32.02
FA: 446 END

Report Number: 1
Inspector: H. K. NELSON
Week Ending: 6-30-57
Paddle Type Mixer-Volume Per Batch:
Concrete-Mobile-Revolution: 1 C.Y. 105.3

USE ADDITIONAL COLUMNS OR SHEETS

DATA APPLICABLE TO BOTH MIXERS		Date	6-28-57	6-29-57	6-30-57	7-1-57	7-2-57	7-3-57	7-4-57	7-5-57	7-6-57	7-7-57	7-8-57	7-9-57	7-10-57	7-11-57	7-12-57	7-13-57	7-14-57	7-15-57	7-16-57	7-17-57	7-18-57	7-19-57	7-20-57	7-21-57	7-22-57	7-23-57	7-24-57	7-25-57	7-26-57	7-27-57	7-28-57	7-29-57	7-30-57	7-31-57		
Air Test Results	Air (Percent)	Location	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	
	Air (Percent)	Location	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Location	Location	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	
	Cylinder ID	Location	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	BR 6	
Test Specimen	Location	Location	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cylinder ID	Location	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	BR 9	
	Location	Location	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	31590	
	Cylinder ID	Location	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	AR 10	
Gradation	Location	Location	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	63180	
	CA ID	Location																																				
	Location	Location																																				
	FA ID	Location																																				
Slump Tests	Location	Location	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"
	Slump	Location	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Location	Location	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	15795	
	Slump	Location	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"
CONCRETE-MOBILE	Start	Location	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	End	Location	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	12858	
	C.Y. Batched	Location	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	
	Waste	Location	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	
PADDLE TYPE MIXER	C.Y. Used	Location	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	
	Square Foot Placed	Location	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	
	Number Batches	Location																																				
	Total Volume Batched	Location																																				
Batch	Waste	Location																																				
	C.Y. Used	Location																																				
	Square Ft. Placed	Location																																				
	Quantity at Start	Location																																				
Cement	Delivered today	Location																																				
	Total	Location																																				
	Waste	Location																																				
	Used for Slurry	Location																																				
Record	Indicate	Location																																				
	ounds or	Location																																				
	Quantity Remaining	Location																																				
	Average Water	Location																																				
Water	Per Cubic Yard	Location																																				
	Per Cubic Yard	Location																																				
	Per Cubic Yard	Location																																				
	Per Cubic Yard	Location																																				

*Enter preliminary gradations on Report Number 1 only.

Remarks

(Problems in placing, curing etc.)

Report by: H. K. NELSON

Checked by: B. NELSON

Signed: B. NELSON

Engineer

