

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN FEET AND INCHES.

2. THE BRIDGE SHALL BE CONSTRUCTED OF STEEL AND CONCRETE.

3. THE BRIDGE SHALL BE DESIGNED TO CARRY A LOAD OF 10,000 LBS PER LINEAL FOOT.

4. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A WIND PRESSURE OF 30 LBS PER SQUARE FOOT.

5. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A SEISMIC FORCE OF 0.1 G.

6. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A FLOODING OF 10 FEET ABOVE THE NORMAL WATER LEVEL.

7. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A COLLISION WITH A 100-TON TRUCK TRAVELING AT 30 MPH.

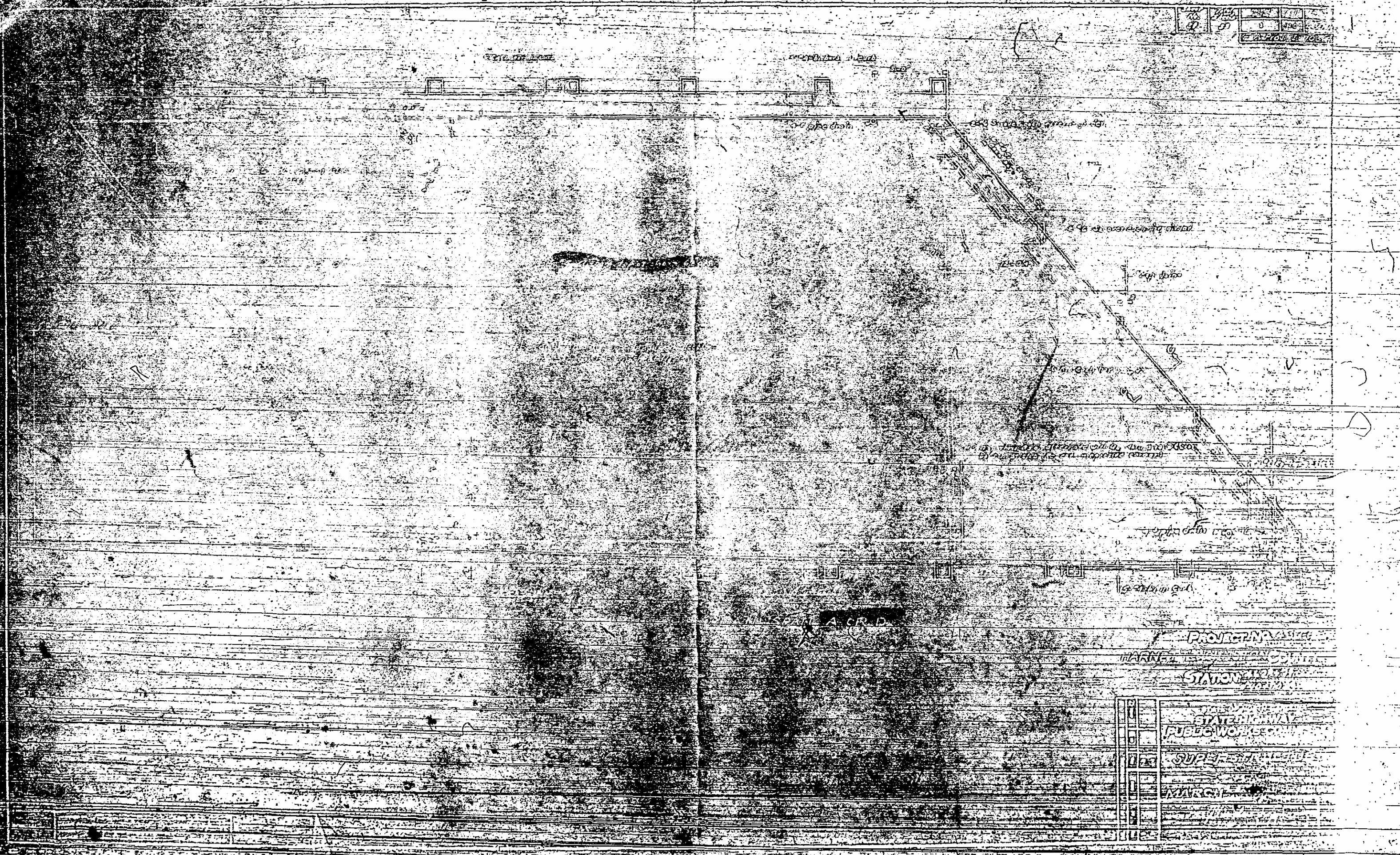
8. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A COLLISION WITH A 100-TON TRAIN TRAVELING AT 30 MPH.

9. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A COLLISION WITH A 100-TON BOAT TRAVELING AT 30 MPH.

10. THE BRIDGE SHALL BE DESIGNED TO WITHSTAND A COLLISION WITH A 100-TON AIRCRAFT TRAVELING AT 30 MPH.

TOTAL BILL OF MATERIAL											
NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	STEEL PLATE	100	SQ FT	1.00	100.00	11	CONCRETE	100	CY	1.00	100.00
2	STEEL BEAM	10	LN FT	10.00	100.00	12	STEEL PIPE	10	LN FT	10.00	100.00
3	STEEL COLUMN	5	LN FT	20.00	100.00	13	STEEL BRACE	10	LN FT	10.00	100.00
4	STEEL JOIST	100	LN FT	1.00	100.00	14	STEEL GIRDERS	10	LN FT	10.00	100.00
5	STEEL TRUSS	10	LN FT	10.00	100.00	15	STEEL DIAPHRAGM	10	LN FT	10.00	100.00
6	STEEL BRACE	10	LN FT	10.00	100.00	16	STEEL END PLATE	10	LN FT	10.00	100.00
7	STEEL JOIST	100	LN FT	1.00	100.00	17	STEEL WELD	100	LN FT	1.00	100.00
8	STEEL TRUSS	10	LN FT	10.00	100.00	18	STEEL BOLTS	100	LN FT	1.00	100.00
9	STEEL BRACE	10	LN FT	10.00	100.00	19	STEEL NUTS	100	LN FT	1.00	100.00
10	STEEL JOIST	100	LN FT	1.00	100.00	20	STEEL WELDS	100	LN FT	1.00	100.00
11	STEEL TRUSS	10	LN FT	10.00	100.00	21	STEEL BOLTS	100	LN FT	1.00	100.00
12	STEEL BRACE	10	LN FT	10.00	100.00	22	STEEL NUTS	100	LN FT	1.00	100.00
13	STEEL JOIST	100	LN FT	1.00	100.00	23	STEEL WELDS	100	LN FT	1.00	100.00
14	STEEL TRUSS	10	LN FT	10.00	100.00	24	STEEL BOLTS	100	LN FT	1.00	100.00
15	STEEL BRACE	10	LN FT	10.00	100.00	25	STEEL NUTS	100	LN FT	1.00	100.00
16	STEEL JOIST	100	LN FT	1.00	100.00	26	STEEL WELDS	100	LN FT	1.00	100.00
17	STEEL TRUSS	10	LN FT	10.00	100.00	27	STEEL BOLTS	100	LN FT	1.00	100.00
18	STEEL BRACE	10	LN FT	10.00	100.00	28	STEEL NUTS	100	LN FT	1.00	100.00
19	STEEL JOIST	100	LN FT	1.00	100.00	29	STEEL WELDS	100	LN FT	1.00	100.00
20	STEEL TRUSS	10	LN FT	10.00	100.00	30	STEEL BOLTS	100	LN FT	1.00	100.00
21	STEEL BRACE	10	LN FT	10.00	100.00	31	STEEL NUTS	100	LN FT	1.00	100.00
22	STEEL JOIST	100	LN FT	1.00	100.00	32	STEEL WELDS	100	LN FT	1.00	100.00
23	STEEL TRUSS	10	LN FT	10.00	100.00	33	STEEL BOLTS	100	LN FT	1.00	100.00
24	STEEL BRACE	10	LN FT	10.00	100.00	34	STEEL NUTS	100	LN FT	1.00	100.00
25	STEEL JOIST	100	LN FT	1.00	100.00	35	STEEL WELDS	100	LN FT	1.00	100.00
26	STEEL TRUSS	10	LN FT	10.00	100.00	36	STEEL BOLTS	100	LN FT	1.00	100.00
27	STEEL BRACE	10	LN FT	10.00	100.00	37	STEEL NUTS	100	LN FT	1.00	100.00
28	STEEL JOIST	100	LN FT	1.00	100.00	38	STEEL WELDS	100	LN FT	1.00	100.00
29	STEEL TRUSS	10	LN FT	10.00	100.00	39	STEEL BOLTS	100	LN FT	1.00	100.00
30	STEEL BRACE	10	LN FT	10.00	100.00	40	STEEL NUTS	100	LN FT	1.00	100.00
31	STEEL JOIST	100	LN FT	1.00	100.00	41	STEEL WELDS	100	LN FT	1.00	100.00
32	STEEL TRUSS	10	LN FT	10.00	100.00	42	STEEL BOLTS	100	LN FT	1.00	100.00
33	STEEL BRACE	10	LN FT	10.00	100.00	43	STEEL NUTS	100	LN FT	1.00	100.00
34	STEEL JOIST	100	LN FT	1.00	100.00	44	STEEL WELDS	100	LN FT	1.00	100.00
35	STEEL TRUSS	10	LN FT	10.00	100.00	45	STEEL BOLTS	100	LN FT	1.00	100.00
36	STEEL BRACE	10	LN FT	10.00	100.00	46	STEEL NUTS	100	LN FT	1.00	100.00
37	STEEL JOIST	100	LN FT	1.00	100.00	47	STEEL WELDS	100	LN FT	1.00	100.00
38	STEEL TRUSS	10	LN FT	10.00	100.00	48	STEEL BOLTS	100	LN FT	1.00	100.00
39	STEEL BRACE	10	LN FT	10.00	100.00	49	STEEL NUTS	100	LN FT	1.00	100.00
40	STEEL JOIST	100	LN FT	1.00	100.00	50	STEEL WELDS	100	LN FT	1.00	100.00

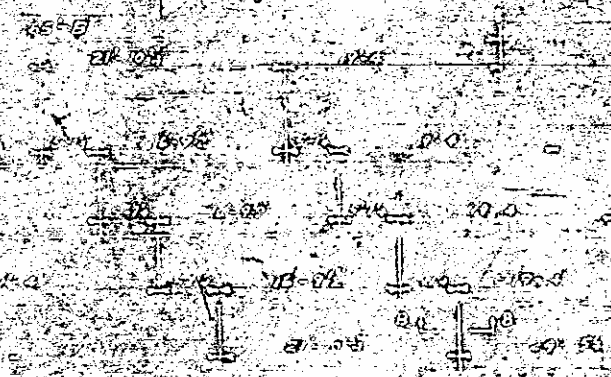
10	11	12	13
14	15	16	17
18	19	20	21



PROVINCIAL  
STATION

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

STATE HIGHWAY  
PUBLIC WORKS  
SUPERVISOR  
MARSH

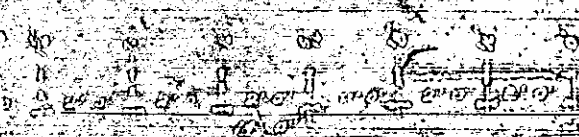


DIAPHRAGM SPACING

Diaphragms shall be spaced between  
 columns in the direction of  
 the span. The spacing shall be  
 not less than 10 feet and  
 not more than 20 feet. The  
 spacing shall be uniform.

SPAN	NEAD LOAD DEFLECTION				VERTICAL CURVATURE
	TOP	MID	BASE	TOP	
A	10	10	10	10	10
B	10	10	10	10	10
C	10	10	10	10	10
D	10	10	10	10	10

Note: 1) at no time, upward deflection



COLUMN SPACING

PROJECT NO. 4379

DRAWN BY: JOHN J. CONNOR

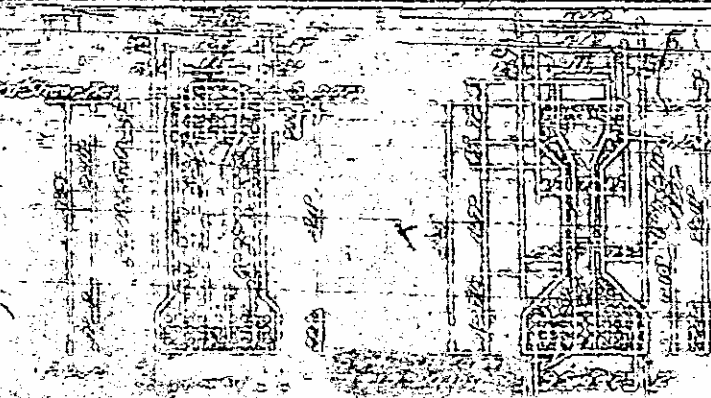
STATION 1+32.00

STATE HIGHWAY  
 PUBLIC WORKS COMMISSION

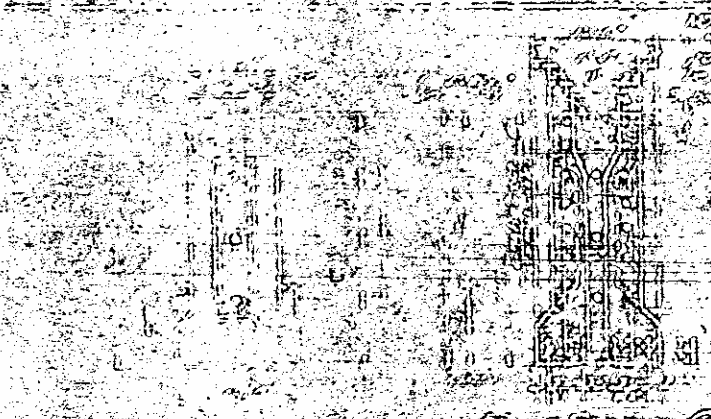
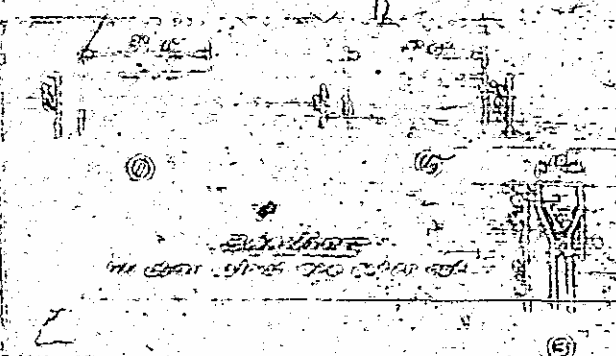
SUPERSTRUCTURE

MARCH 1954

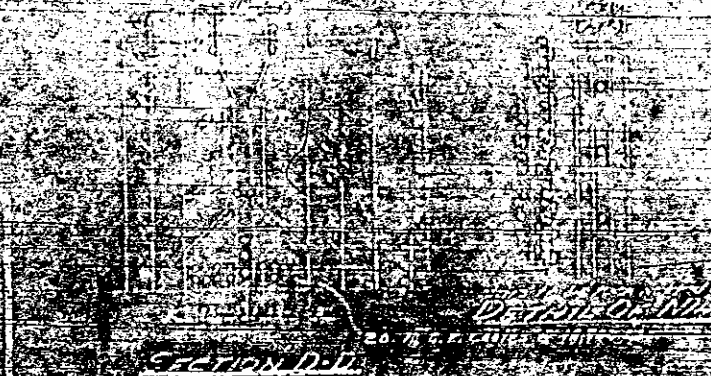
HALF END VIEW



1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60



1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60



1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60

PROJECT NO. 1234  
 STATION 1234

STATE HIGHWAY  
 PUBLIC WORKS COMMISSION