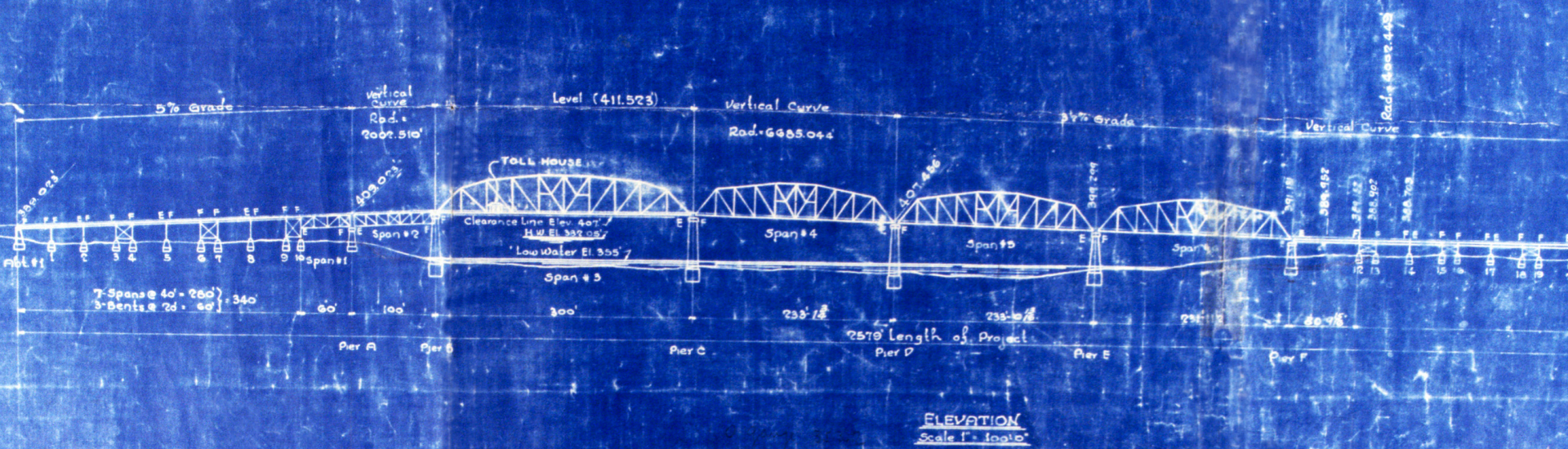
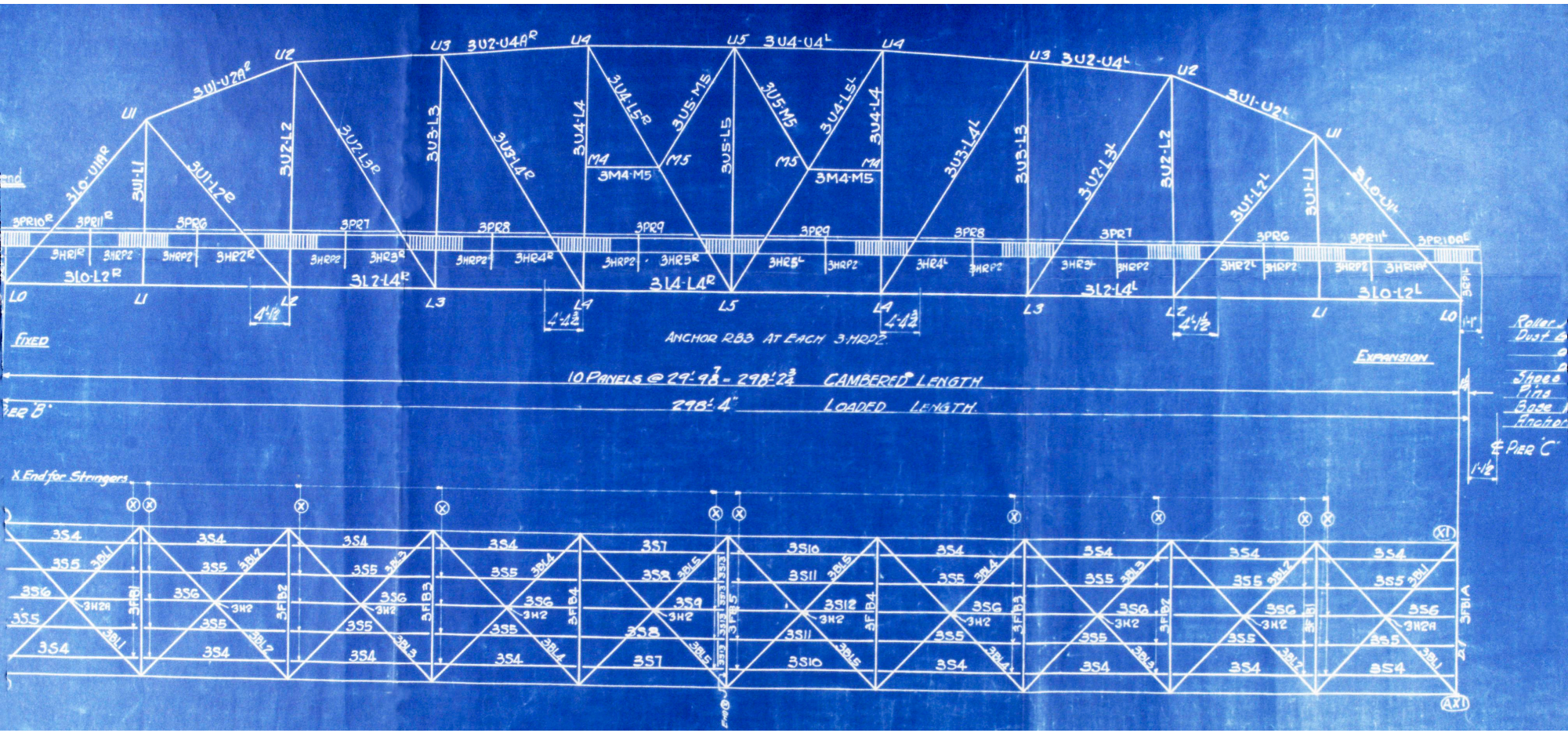
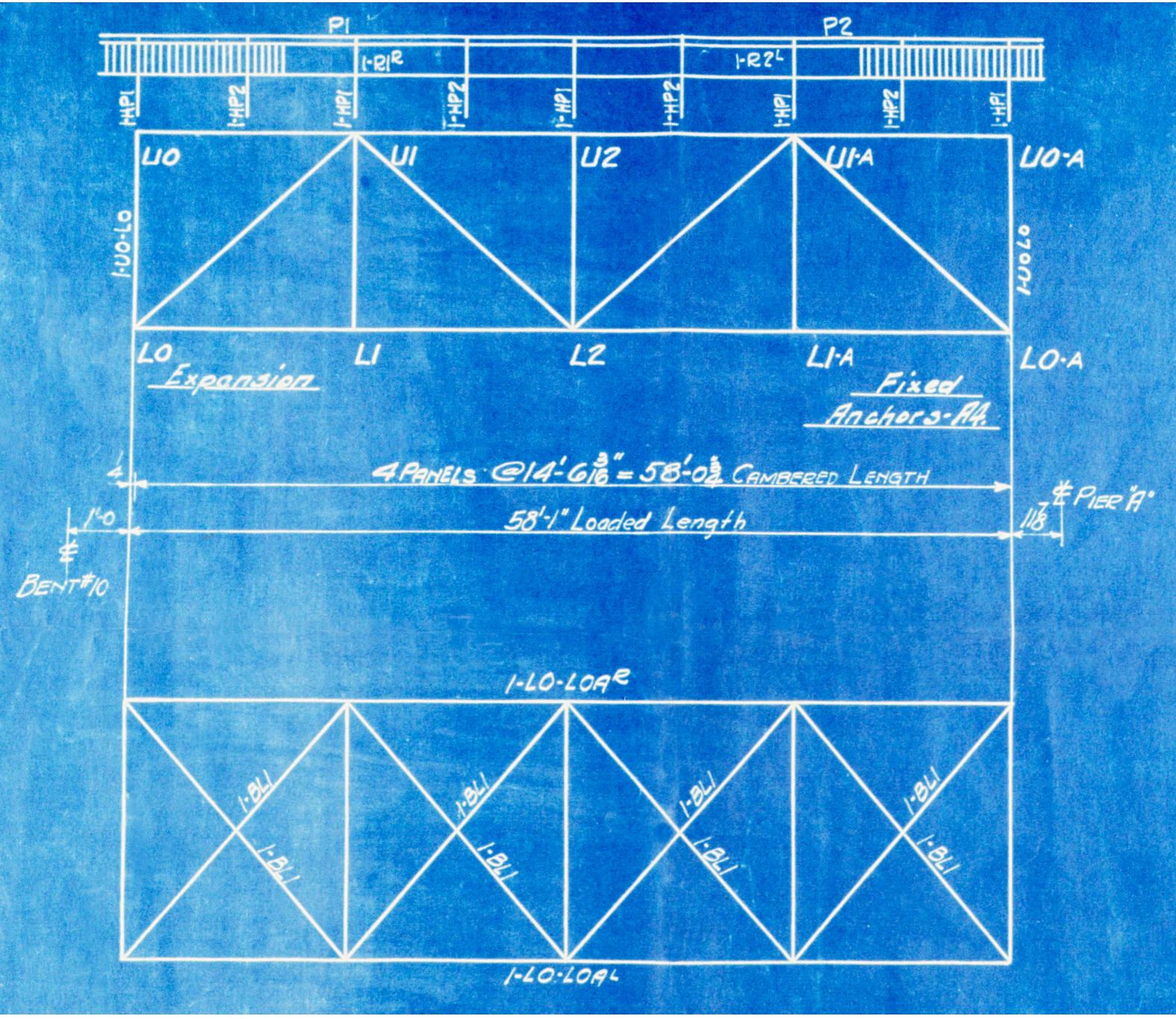


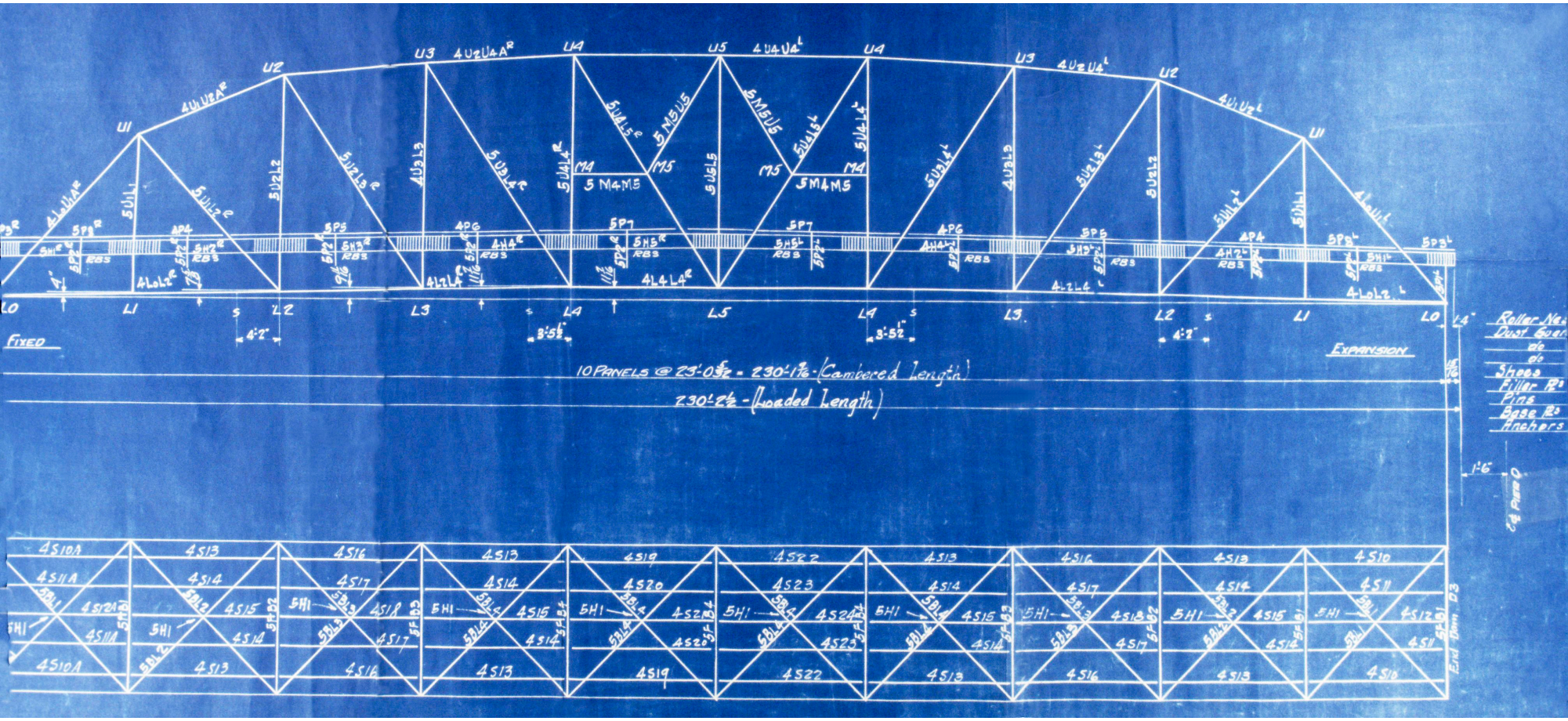
ELEVATION
Scale 1" = 100'-0"

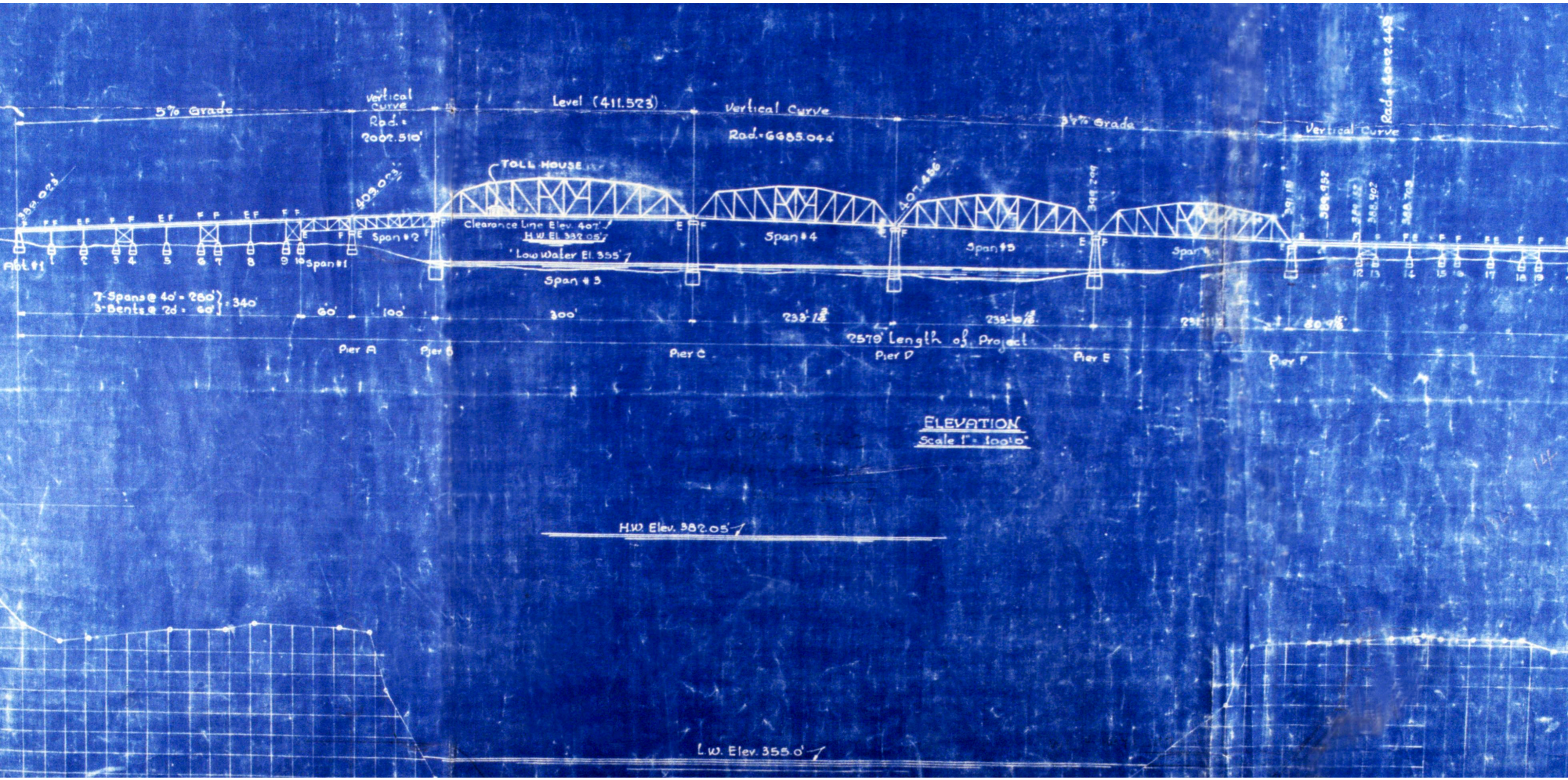
H.W. Elev. 382.05'

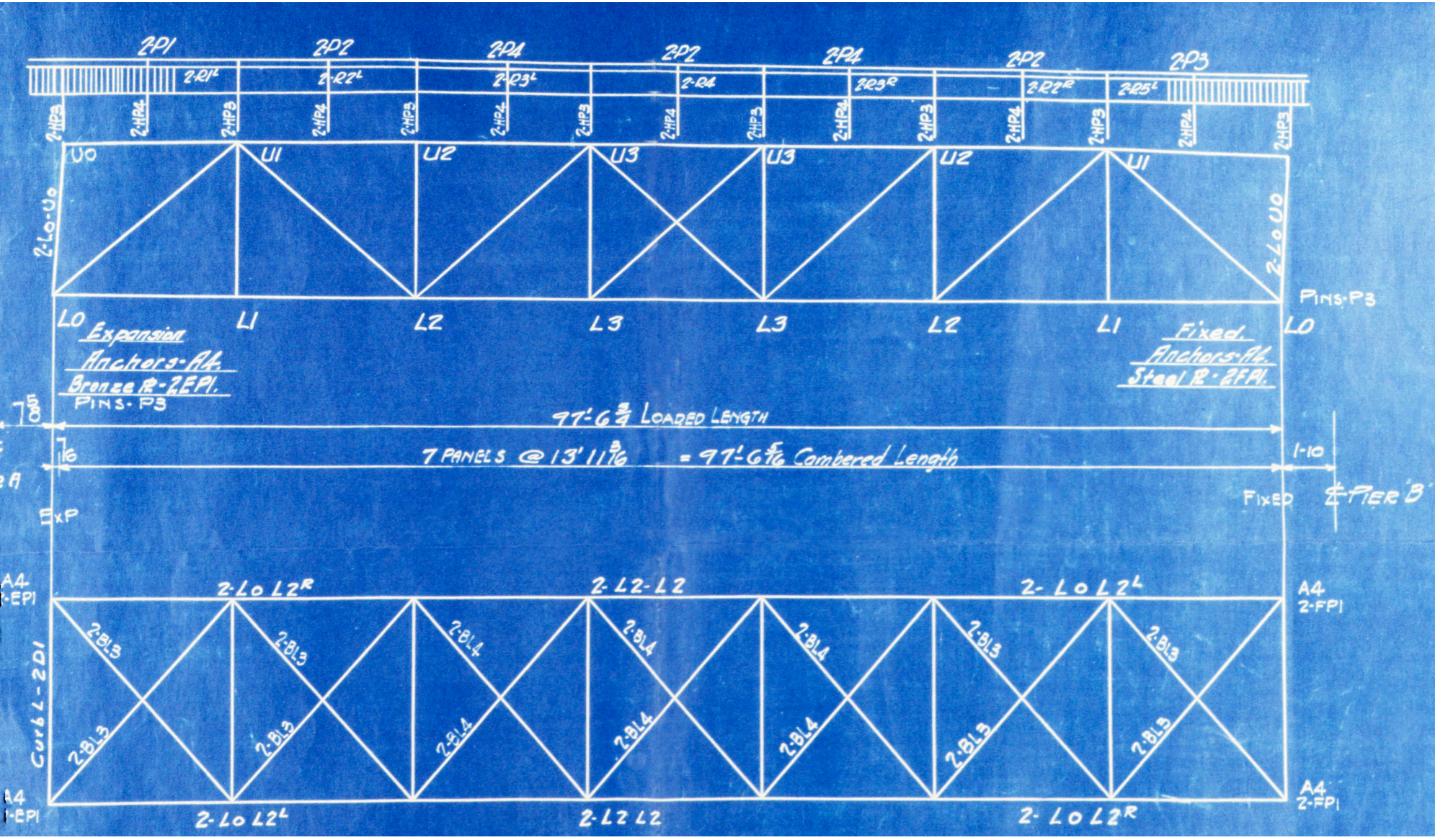
L.W. Elev. 355.0'


U0
U1
U2
U3
U4
U5
L0
L1
L2
L3
L4
L5
3U2-U4A^R
3U4-U4^L
3U2-U4^L
3U1-U2^L
3U1-U2A^R
3U1-L1
3U1-L2^R
3U2-L2
3U2-L3^R
3U3-L3
3U3-L4^R
3U4-L4
3U4-L5^R
3U5-M5
3U5-L5
3M4-M5
3U4-L5^L
3U3-L4^L
3U2-L3^L
3U1-L2^L
3L0-U1^R
3L0-U1^L
3L0-L2^R
3L2-L4^R
3L4-L4^R
3L2-L4^L
3L0-L2^L
3PR10^R
3PR11^R
3PR6
3PR7
3PR8
3PR9
3PR10^L
3PR11^L
3HR1^R
3HRP2
3HR2^R
3HR3^R
3HR5^R
3HR5^L
3HR4^L
3HR3^L
3HR2^L
3HR1^L
4'-1½"
4'-4 3/4"
FIXED
EXPANSION
ANCHOR RBS AT EACH 3HRP2
10 PANELS @ 29'-9 7/8" = 298'-2 3/8" CAMBERED LENGTH
298'-4" LOADED LENGTH
PIER 'B'
PIER 'C'
X End for Stringers
3S4
3S5
3S6
3S7
3S8
3S9
3S10
3S11
3S12
3FBA
3FB1
3FB2
3FB3
3FB4
3FB5
3FB6
3FB7
3BL1
3BL2
3BL3
3BL4
3BL5
3BL6
3H2
3H2A
(X1)


P1
P2
1-R1R
1-R2L
1-HP1
1-HP2
1-HP1
1-HP2
1-HP1
1-HP2
1-HP1
1-HP2
1-HP1
U0
U1
U2
U1-A
U0-A
1-U0-L0
1-U0-L0
L0
L1
L2
L1-A
L0-A
Expansion
Fixed Anchors-All
4
4 Panels @ 14'-6 3/16" = 58'-0 3/4" Cambered Length
1'-0
58'-1" Loaded Length
1 1/8
℄ Pier "A"
℄ Bent #10
1-L0-L0AR
1-BL1
1-BL1
1-BL1
1-BL1
1-BL1
1-BL1
1-BL1
1-BL1
1-L0-L0AL


U0
U1
U2
U3
U4
U5
L0
L1
L2
L3
L4
L5
5 M4M5
5 M4M5
4'-2"
3'-5½"
3'-5½"
4'-2"
FIXED
EXPANSION
10 PANELS @ 23'-0⅝" = 230'-1⅞" (Cambered Length)
230'-2½" (Loaded Length)
Roller Nest
Dust Guard
c/c
c/c
Shoes
Filler Pl.
Pins
Base Pl.
Anchors
1'-6"
End Dam Pl.


5% Grade
Vertical Curve
Rad. = 2002.510'
Level (411.523')
Vertical Curve
Rad. = 6683.044'
5% Grade
Vertical Curve
Rad. = 4992.448'
TOLL HOUSE
Clearance Line Elev. 407'
H.W. El. 382.05'
Low Water El. 355'
Span #1
Span #2
Span #3
Span #4
Span #5
Span #6
Abt. #1
7-Spans @ 40' = 280'
3-Bents @ 2d = 60'
= 340'
60'
100'
300'
238'-7 1/2"
238'-0 7/8"
238'-11 3/8"
80'-7 5/8"
2579' Length of Project
Pier A
Pier B
Pier C
Pier D
Pier E
Pier F
ELEVATION
Scale 1" = 100'-0"
H.W. Elev. 382.05'
L.W. Elev. 355.0'


2-P1
2-P2
2-P4
2-P2
2-P4
2-P2
2-P3
2-R1L
2-R2L
2-R3L
2-R4
2-R3R
2-R2R
2-R5L
2-HP3
2-HP4
U0
U1
U2
U3
U3
U2
U1
2-L0-U0
2-L0 U0
L0
L1
L2
L3
L3
L2
L1
L0
PINS-P3
Expansion Anchors-A4. Bronze R-2EPI. PINS-P3
Fixed Anchors-A4. Steel R-2FPI.
97'-6 3/4 LOADED LENGTH
7 PANELS @ 13'-11 9/16 = 97'-6 5/16 Cambered Length
1-10
FIXED
℄ PIER B
EXP
2-L0 L2R
2-L2-L2
2-L0 L2L
2-BL3
2-BL4
2-BL5
Curb L-2D1
2-L0 L2L
2-L2 L2
2-L0 L2R
A4 2-EPI
A4 2-FPI

HALF SECTION - BENT #1

HALF SECTION - BENT #2 SHOWN
BENT #3 SIMILAR
BENTS #4 & 5 SIMILAR

HALF SECTION - BENT #5 SHOWN
BENT #6 & 7 & 9-10 SIMILAR

LATERAL BRACING - TOWER BENTS #4-5
TOWER BENTS #1-2, 3, 8-9, 10 & 11 SIMILAR EXCEPT AS SHOWN

LATERAL BRACING - TOWER BENTS #6-7
TOWER BENTS #9-10 SIMILAR EXCEPT AS SHOWN ON DWG. E 7

EXPANSION JOINT - BENTS #2, 5 & 8
BENT #11 SIMILAR

EXPANSION JOINT - BENTS #14-17-20-23-26
(29-32-35-38 & 41)

BENT No.	DIM. A	DIM. B	BENT No.	DIM. A	DIM. E
1	11-0 7/16	4-7 5/8	22	14 8 11/16	9 1 5/16
2	19-0 7/16	14-1 3/8	23	"	9-10 13/16
3	17-7 7/16	16-2 7/16	24	"	9-11 5/8
4	22-0 7/16	17-2 7/16	25	"	"
5	24-0 5/16	11-1 5/8	26	"	9-10 7/16
6	26-0 7/16	21-2 7/16	27	"	9-11 1/16
7	22-0 7/16	22-2 7/16	28	"	"
8	22-0 7/16	24-1 5/8	29	"	9-10 7/16
9	21-0 7/16	26-2 7/16	30	"	9-11 9/16
10	23-0 7/16	27-11 5/8	31	"	"
11	15-11 7/16	11-0 7/16	32	"	9-10 5/16
12	15-1 7/16	10-3 9/16	33	"	9 11 7/16
13	14-10 5/8	10-0 1/16	34	"	"
14	14 3 7/16	9-10 7/16	35	"	9-10 7/16
15	"	9-11 5/16	36	"	9-11 5/16
16	"	"	37	"	"
17	"	9-10 7/16	38	"	9-10 7/16
18	"	"	39	"	9-11 9/16
19	"	"	40	"	"
20	"	9-10 7/16	41	"	9-10 7/16
21	"	9-11 9/16			

EXPANSION JOINT	M	N	O	P	Q	R	S
JOINT #2	1 1/8	2 1/2	2 1/8	3 1/8	1 3/8	2 7/8
JOINTS #5 & 8	1 1/8	2 1/2	2 3/8	3 1/4	1 1/2	2
BENTS #11 & 41	1 1/8	2 3/8	2 1/8	3 1/8	1 3/8	1 7/8

SPLICE	MOMENT	SHEAR	MOMENT
95	0	45	23.8
42	0	24	40.0
27.3	0	5	22.7
	240.0	21.2	182.0

SPLICE	MOMENT	SHEAR	MOMENT
BAR	0	3	1.7
415	0	81	89.6
326	0	77	81.2
70	0	22	9.6
FLOOR	2046		749

GIRDS.	LOCATION	GIRDS.	LOCATION	STRINGER	LOCATION
5 C.B. 36.5#	BENT #1 TO BENT #2	2 - C.B. 85.0#	BENT #1 TO BENT #2	24 C.B. 85.0	430 SPAN
10 C.B. 40.0#	BENTS #8-9-10	C.B. 85.0#	BENTS #8-9-10	19 C.B. 41.4	20'-0 SPAN
			BENT #10		
			BENTS #10-11		

GENERAL NOTE
All structural steel shall conform to the requirements of the Standard Specifications for Highway Bridges adopted by the American Association of State Highway Officials, 1935, except as modified by the Specifications for Design and Construction of Highway Bridges and Approaches, Illinois Division of Highways, 1936.

APPROVED FOR SHOP

BRIDGE DEVELOPMENT ENGINEER

CHIEF DRAFTSMAN

CHIEF ENGINEER

REVISION NOTES 7-22-37

NASHVILLE BRIDGE COMPANY
NASHVILLE, TENN.
NASHVILLE PLANT BESSEMER PLANT

RIVETS ¾ WORKED DRAWN DATE
HOLES ¾ REAMED TRACED BY DATE
FIELD CONN. CHECKED BY DATE
SHOP PAINT PAINTED
FIELD

J. BILLS MATERIAL NO.

CONT. NO.

E 6