

FED. ROAD DIST. NO.	STATE	F. A. PROJECT NO.	PL. CAL. YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-37c (10)	1947	2	23
STATE JOB NO.		1221	1947	2	23

EARTHWORK

STATION	STATION	UNCLASSIFIED EXCAVATION					FILL 15%		EMBANKMENT MATERIAL
		NORMAL	OUTLET DITCH	UNDER BRIDGE	NORMAL	OUTLET DITCH	NORMAL		
		CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	
678+17.5	688+70						5996	5986	
692+70	692+91.7			54					
692+91.7	694+00	59	3				39		
SUB-TOTALS		59	3	54			6024	5986	
TOTALS		* 116					6024	5986	

* Approx 78 Cu. Yds. of Excavation to be wasted

STRUCTURES

STATION	DESCRIPTION	DRY EXCAVATION FOR STRUCTURES	SOLID ROCK EXCAVATION FOR STRUCTURES	CONCRETE		REINF. STEEL	REINF. CONCRETE PIPE CULVERT 24"	SPALTER COATED CORRUGATED CULVERT 24"
				CLASS 'A'	CLASS 'B'			
				CU. YD.	CU. YD.			
688+12.5	2 R/W Markers Rt. & Lt.			0.05		5		
688+12.5	Construct 12" C.M. Pipe Spillways with special headwalls on Lt. and Rt.	110		4.0		230		106
693+10.0	Construct 24" x 50" R.C. Pipe Culvert with straight headwalls on Lt. and Rt.	10	40	2.68		112	50	
TOTALS		120	40	4.05	2.68	407	50	106

GRAVEL BASE COURSE CLASS B-2

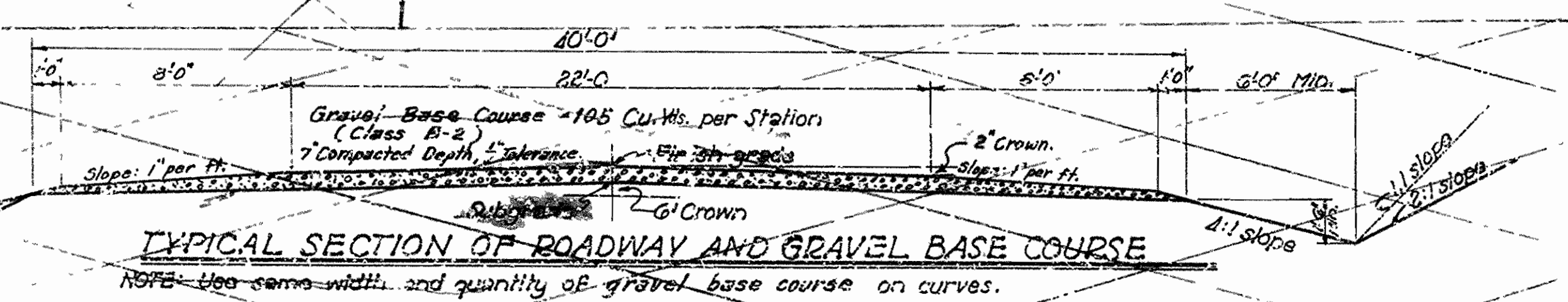
STATION	STATION	NORMAL	ADD'L AT BRIDGE ENDS
		CU. YD.	CU. YD.
677+17.5	688+20.7	108	
692+91.7	693+83.5	97	
SUB-TOTALS		205	
TOTALS		205	

SCHEDULE OF BRIDGE QUANTITIES

UNIT OF BRIDGE	ITEM NO.	103	103a	103	S.P. & 802	S.P. & 802	S.P. & 803	S.P. & 805	S.P. & 807	S.P. & 807	S.P. & 807	S.P. & 859-3	922	
		ITEM	DRY EXCAVATION FOR STRUCTURES	WET EXCAVATION FOR STRUCTURES	SOLID ROCK EXCAVATION FOR STRUCTURES	CLASS 'A' CONCRETE FOR BRIDGES	CLASS 'S' CONCRETE FOR BRIDGES	REINFORCING STEEL	CONCRETE & STRUCTURAL STEEL RAILING	STRUCTURAL STEEL IN BEAM SPANS	STRUCTURAL STEEL IN TRUSS SPANS	BLAST PLATES	BRIDGE NAME PLATES (TYPE 'A')	
		UNIT	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	LB.	LIN. FT.	LB.	LB.	LB.	EACH	
BRIDGE NO. 2169 C.C.E. NO. X385	ABUTMENT NO. 1		137		6	63.77		10260	14.0	505			1	
	PIER NO. 1		60		7	37.97		5120						
	PIER NO. 2			76	21	52.85		6280						
	PIER NO. 3			56	13	72.65		7380						
	PIER NO. 4				69	37.97		5120						
	PIER NO. 5				36	31.08		3780						
	ABUTMENT NO. 2		62		30	59.93		4150	14.0	505			1	
	37'-8" I-BEAM SPAN - SPAN NO. 1							22.61	4240	75.33	22,680			
	136'-0" CANTILEVER DECK TRUSS SPAN - SPAN NO. 2							107.73	27,370	272.0		144,210		
	35'-0" SUSPENDED DECK TRUSS SPAN - SPAN NO. 3							66.32	17,050	168.0		70,870		
	136'-0" CANTILEVER DECK TRUSS SPAN - SPAN NO. 4							107.73	27,370	272.0		144,220		
	37'-8" I-BEAM SPAN - SPAN NO. 5							26.61	4,240	75.34	22,130		4,350	
	37'-8" I-BEAM SPAN - SPAN NO. 6							24.90	4,240	75.33	22,250			
	TOTALS FOR BRIDGE NO. 2169		259	132	182	363.20	361.80	126,610	966.0	68,650	367,900	4,350	2	

SUMMARY OF ROADWAY QUANTITIES

ITEM NO.	ITEM	QUANTITY	UNIT
102	Unclassified Excavation	116	Cu. Yd.
103	Dry Excavation For Structures	120	Cu. Yd.
103	Solid Rock Excavation For Structures	40	Cu. Yd.
S.F-10d	Embankment Material	5986	Cu. Yd.
S.R.205	Gravel Base Course (Class B-2)	205	Cu. Yds.
901	Class 'A' Concrete	4.05	Cu. Yd.
901	Class 'B' Concrete	2.68	Cu. Yd.
902	Reinforcing Steel	407	Lb.
906	24" Reinforced Concrete Pipe Culvert	50	Lin. Ft.
906	12" Spalter Coated Corrugated Metal Pipe Culvert	106	Lin. Ft.



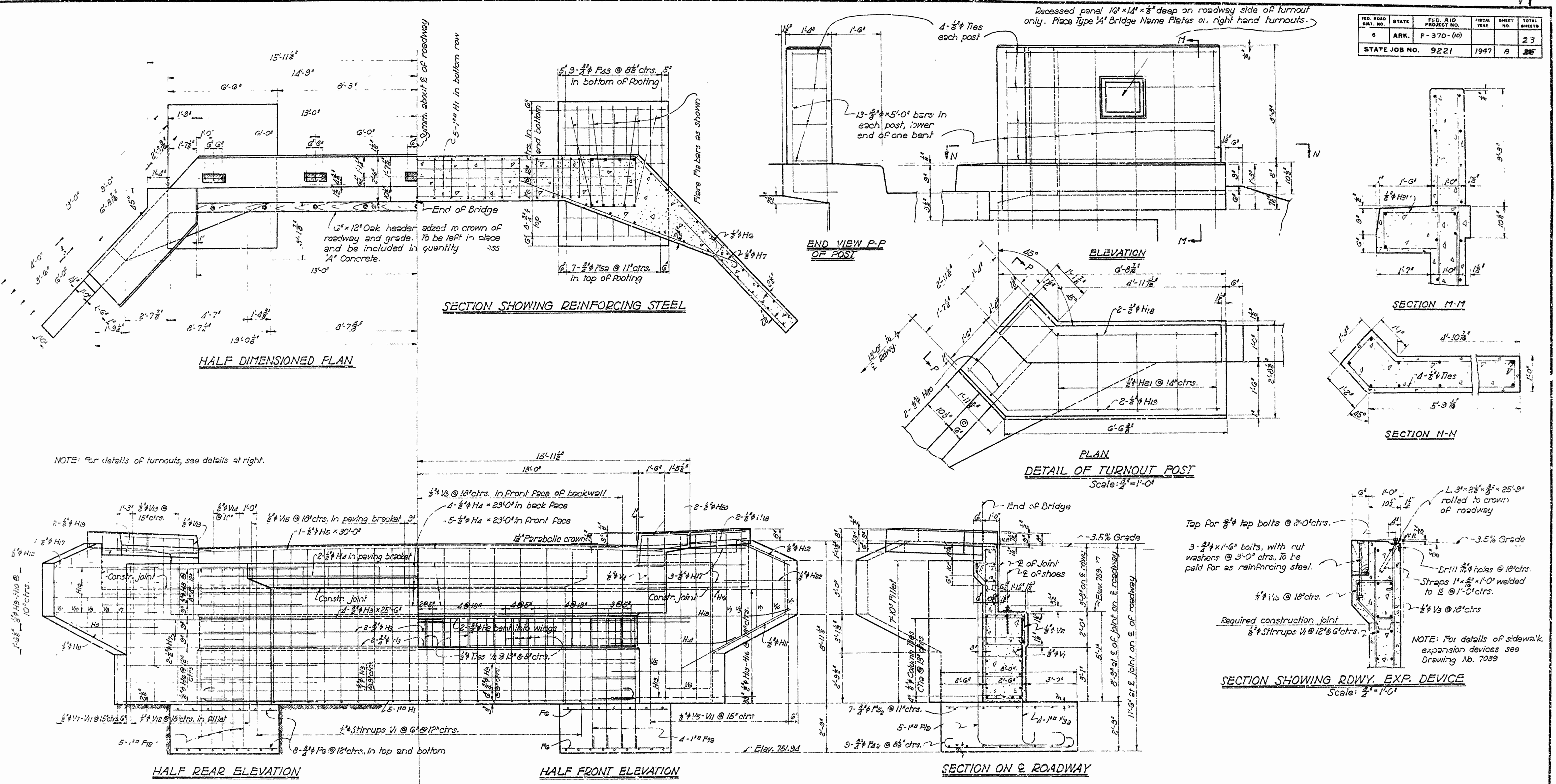
**SCHEDULE OF BRIDGE QUANTITIES
BRIDGE OVER CROOKED CREEK
AND MISSOURI PACIFIC RAILROAD
BELLEFONTE-YELVILLE ROAD
MARION COUNTY
ROUTE 62 SEC. 6**

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: M.C.M. Date: 2-16-47
Traced By: B.C.S. Date: 7-12-47
Checked By: _____ Date: _____
Scale: 1" = 40'
BRIDGE NO. 2169 DRAWING NO. 7023

Revisions - Roadway Quantities deleted 4-11-47

M. J. Sawyer
PRINCIPAL HIGHWAY ENGINEER - BRIDGES

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-370-(10)		23	23
STATE JOB NO. 9221		1947	8	26	



NOTE: For details of turnouts, see details at right.

GENERAL NOTES

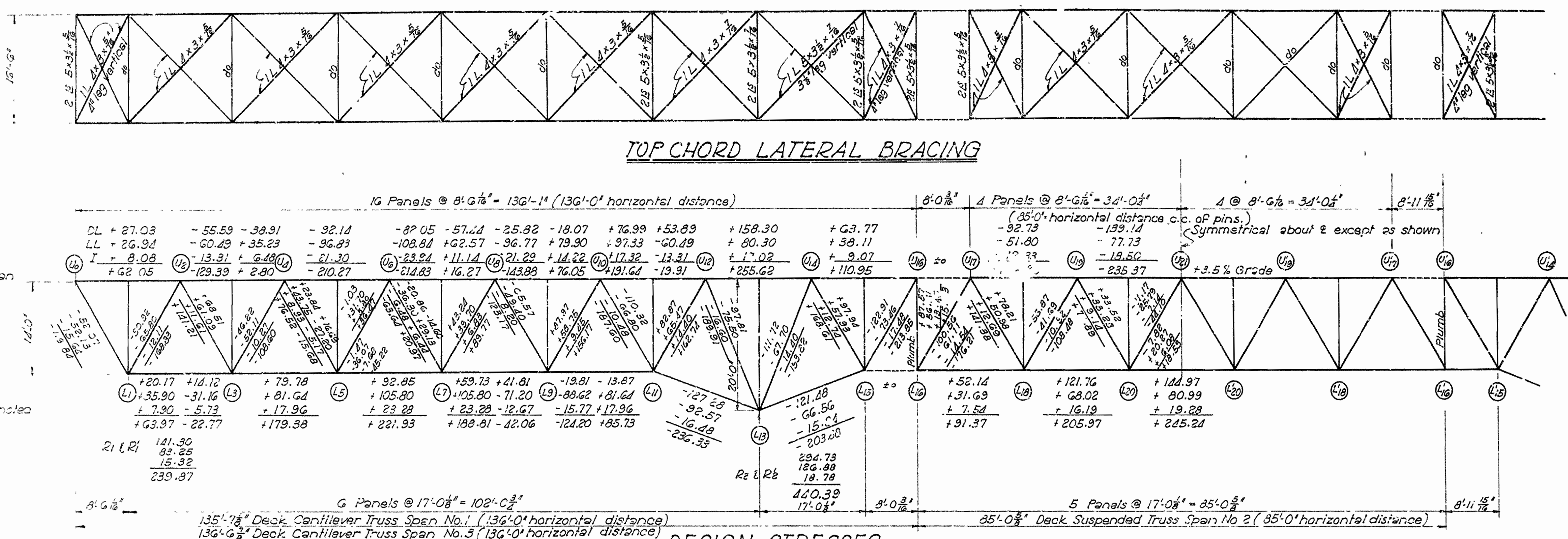
All concrete to be Class 1/2 and shall be poured in the dry. All exposed corners to be chamfered 3/4" unless otherwise noted.
 Expansion devices to be paid for at the unit price bid for Structural Steel in Beam Spans.
 Toe of Footings to be carried at least 6 inches into solid rock.
 Maximum Foundation pressure for Abutment No. 2 is 3.3 Tons/ft².
 For Bar List for Abutment No. 2, see Drawing No. 7026.
 For details of superstructure, see Drawing Nos. 7038, 7039, and 7040.
 The concrete turnout posts shall be paid for at the unit price bid per linear foot for Concrete and Structural Steel Reinforcing.

**DETAILS OF ABUTMENT NO. 2
 BRIDGE OVER CROOKED CREEK
 AND MISSOURI PACIFIC RAILROAD
 BELLEFONTE-VELLVILLE ROAD
 MARION COUNTY**

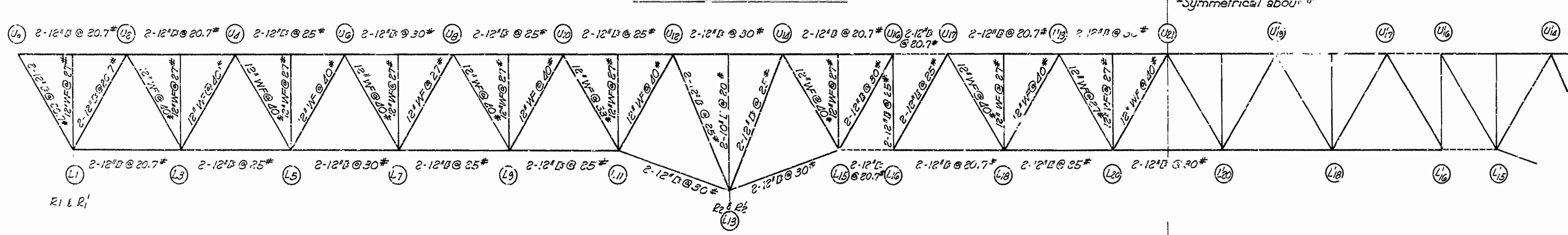
ROUTE 62 SEC. 8
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: M.C.H. Date: 6-28-47
 Traced By: B.E.S. Date: 6-28-47
 Checked By: _____ Date: _____
 BRIDGE NO. 2469 DRAWING NO. 7029

M.C.H.
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

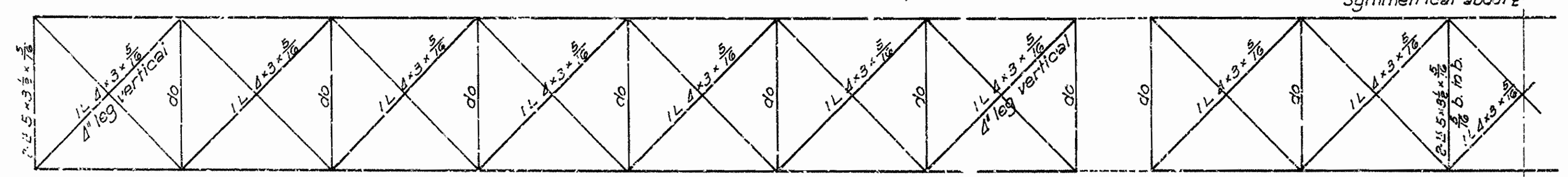
FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-370-(10)		20	20
STATE JOB NO. 9221			1947	9	



DESIGN STRESSES



SELECTION OF MEMBERS



BOTTOM CHORD LATERAL BRACING

GENERAL NOTES

Concrete Deck: All concrete in roadway slab, sidewalk slab, rail post and brackets to be Class 'S'. All exposed corners to be chamfered $\frac{1}{4}$ " unless otherwise noted.

Rivets: In truss members, floor beams, cross frames and lateral bracing, use $\frac{3}{4}$ " in. hex rivets. Use machine bolts where bolts are indicated, unless otherwise noted.

Holes: All holes, unless otherwise noted, shall be punched to a $\frac{1}{16}$ " less diameter than nominal size of rivet, and reamed to a diameter $\frac{1}{16}$ " larger than nominal size of rivet.

Camber: Trusses shall be cambered to compensate for deflection due to dead load.

Shop Paint: All parts which come in contact shall be painted one coat of red lead and raw linseed oil before they are riveted together. When assembled and after all shop work has been completed, all steel shall be given one coat of red lead and raw linseed oil before shipment.

Field Paint: 1st coat, white lead. 2nd coat, aluminum paint.

Shapes with equal or greater strength may be substituted for those shown. Payment, however, shall be based upon the shapes shown or actually used, whichever is the lesser.

All welded connections to have $\frac{3}{16}$ " fillet shop welds, except as noted. Welding to be by the electric arc process.

This drawing shows general features of design only. Shop drawings shall be made in accordance with the specifications, and shall be submitted and approved before fabrication is begun.

Specifications: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction adopted March 1, 1940.

Design Live Load - H-20 Loading A.A.S.H.O. 1944

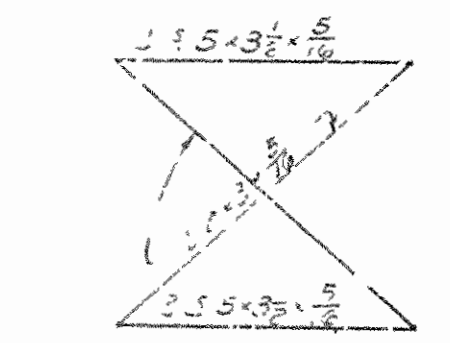
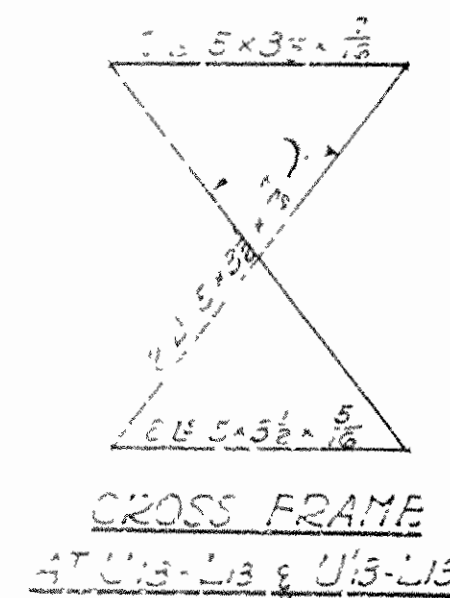
Unit Stresses:
 Class 'S' Concrete (n=10) 1000 Lbs./sq. in.
 Reinforcing Steel 18000 Lbs./sq. in.
 Structural Steel 18000 Lbs./sq. in.

FLOOR BEAM DATA

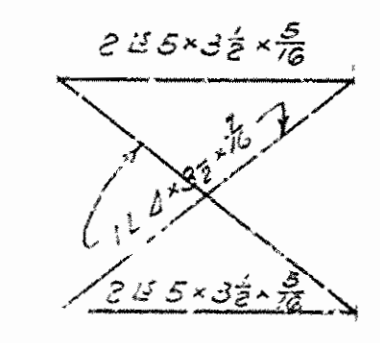
	Positive	Negative
Dead Load Moment	369,400#	359,640#
Live Load Moment	1292,600#	528,000#
30% Impact	397,640#	152,400#
Totals	1,764,640#	1,040,040#
Section Modulus required	= 95.5	
Use 18" CB @ 55 #, Section Modulus = 98.2		

DESIGN STRESSES
SELECTION OF MEMBERS & GENERAL NOTES
FOR DECK TRUSS SPANS
BRIDGE OVER CROOKED CREEK & MO. PAC. R.R.
BELLFONTE - VELLVILLE ROAD
MARION COUNTY
ROUTE 62 SEC. 8

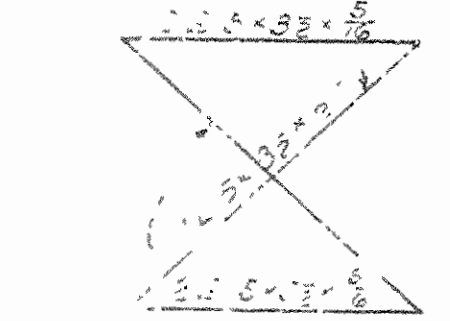
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: H.B.S. Date: 5-21-47
 Traced By: B.B.S. Date: 6-5-47
 Checked By: Date:
 Bridge No. 2469 DRAWING NO. 7030



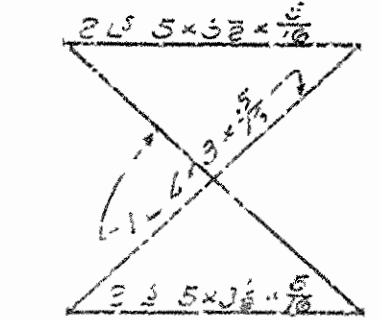
TYPICAL INTERMEDIATE CROSS FRAME



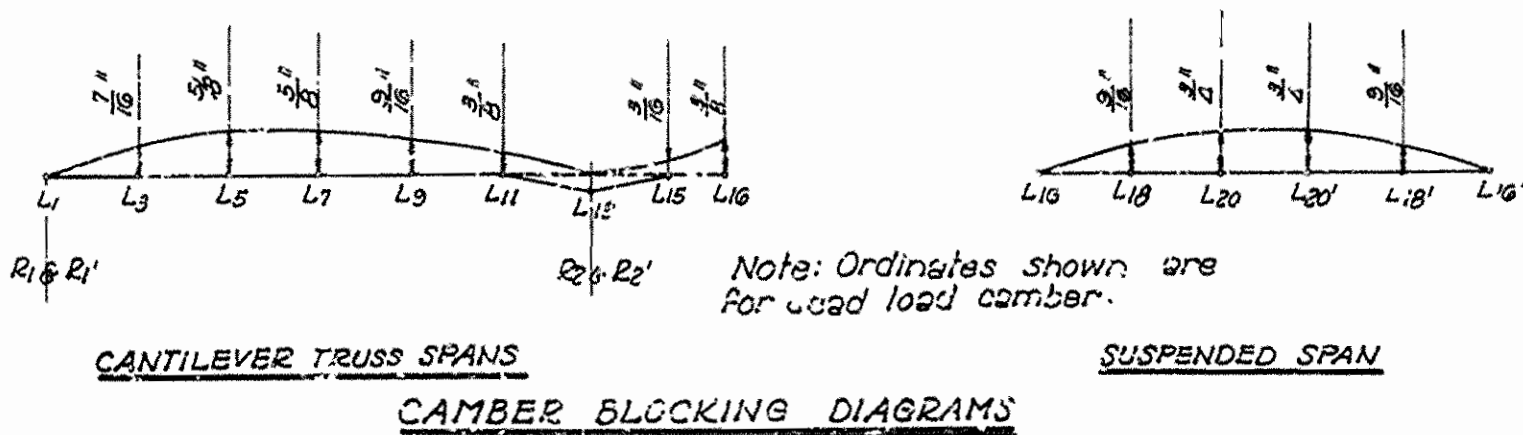
HANGER CROSS FRAME AT U16 & U17 & U18 & U19



CROSS FRAME AT U16 & U17 & U18 & U19



PORTAL CROSS FRAME AT U16 & U17 & U18 & U19



CANTILEVER TRUSS SPANS and SUSPENDED SPAN CAMBER BLOCKING DIAGRAMS

H.B.S.
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	ARK.	F-370-(10)		23	23
STATE JOB NO. 9221		1947	10		

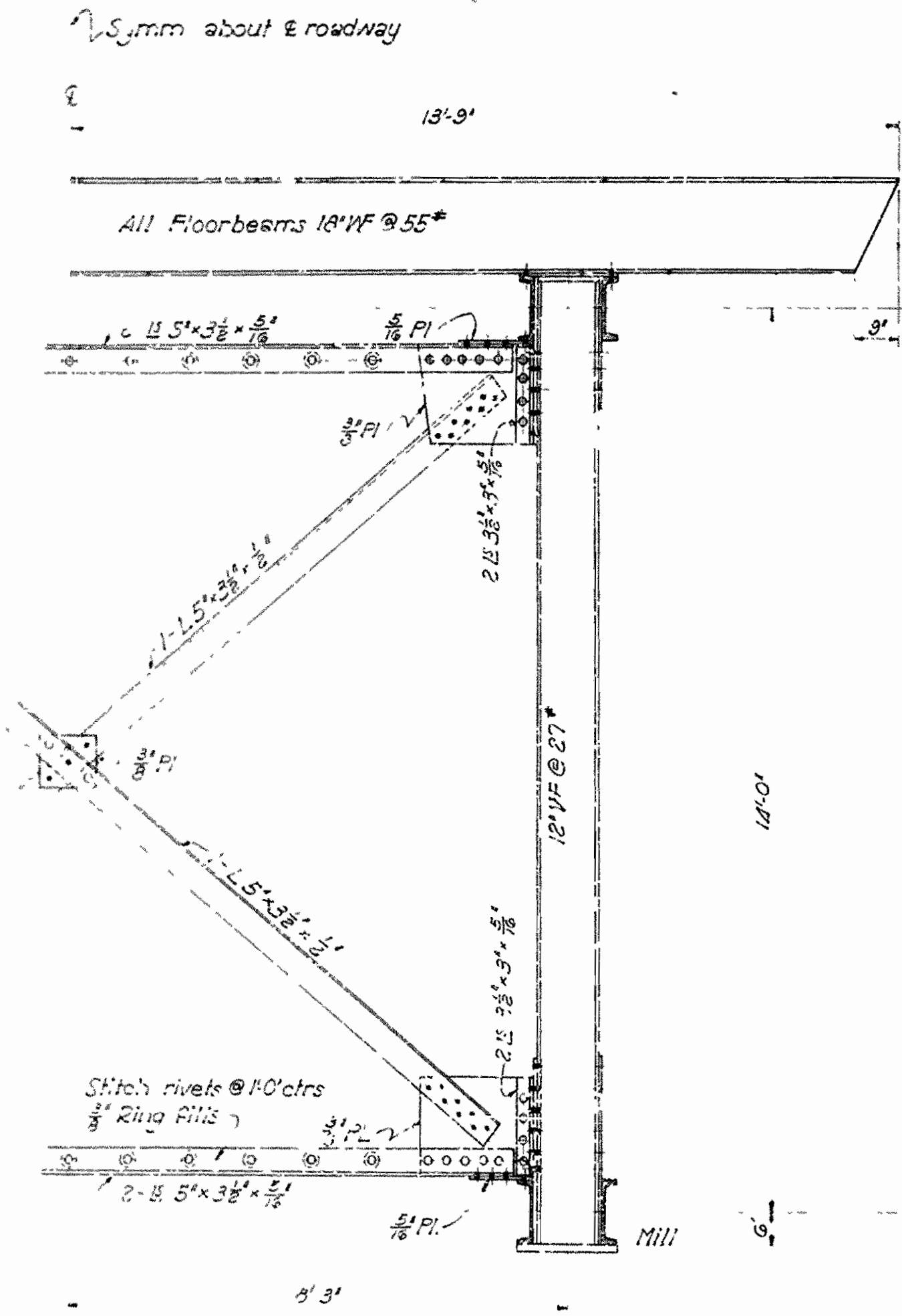
See Drawing Nos. 7038 and 7039 for details of I-Beam Spans.
See Drawing Nos. 7036 and 7038 for detail of roadway expansion device.

NOTE: Floorbeam brackets not shown

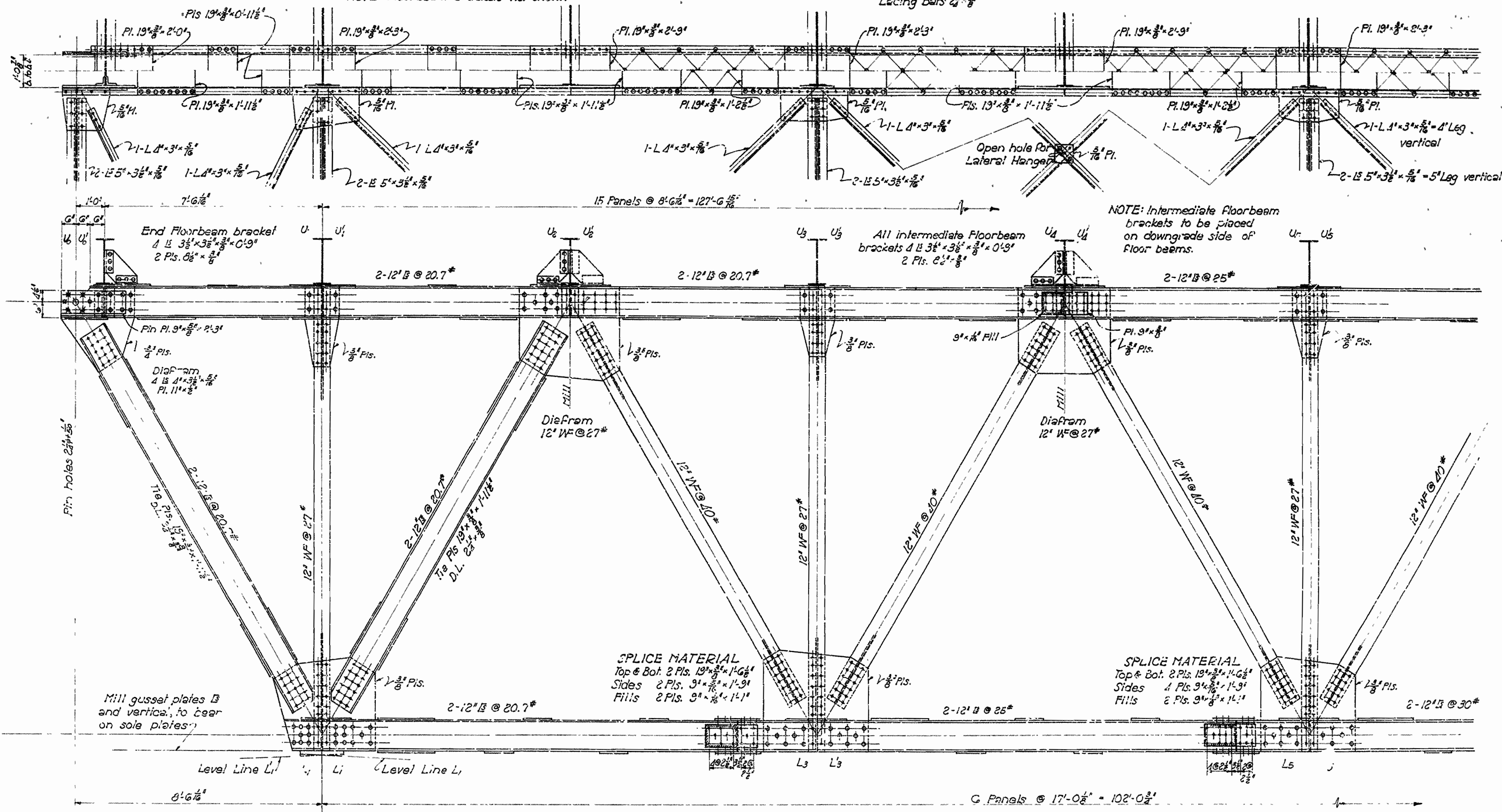
Lacing Bars 2 1/2" x 3/8"

Open hole for Lateral Hanger

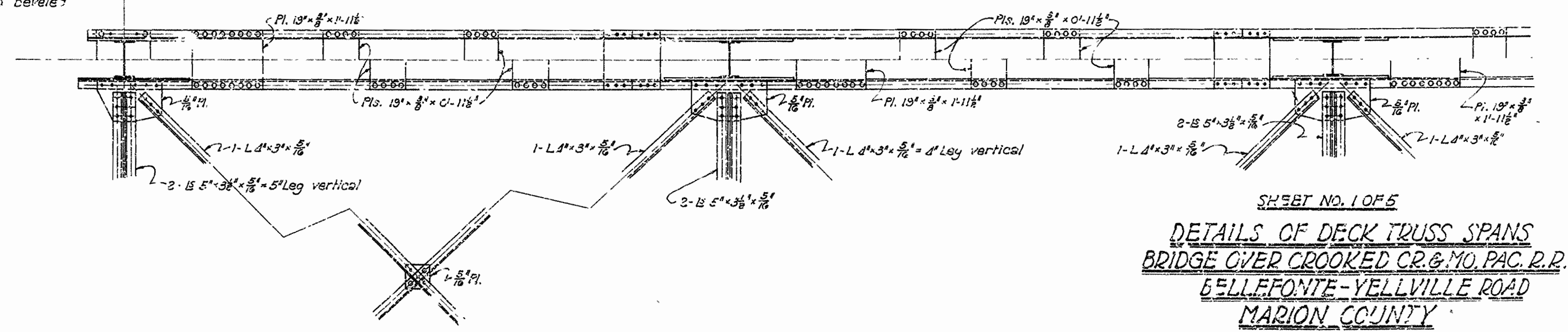
NOTE: Intermediate floorbeam brackets to be placed on downgrade side of floor beams.



HALF CROSS FRAME AT U1-L1



NOTE: Sole plate to be 18" wide 1 1/2" on E and beveled for girders.



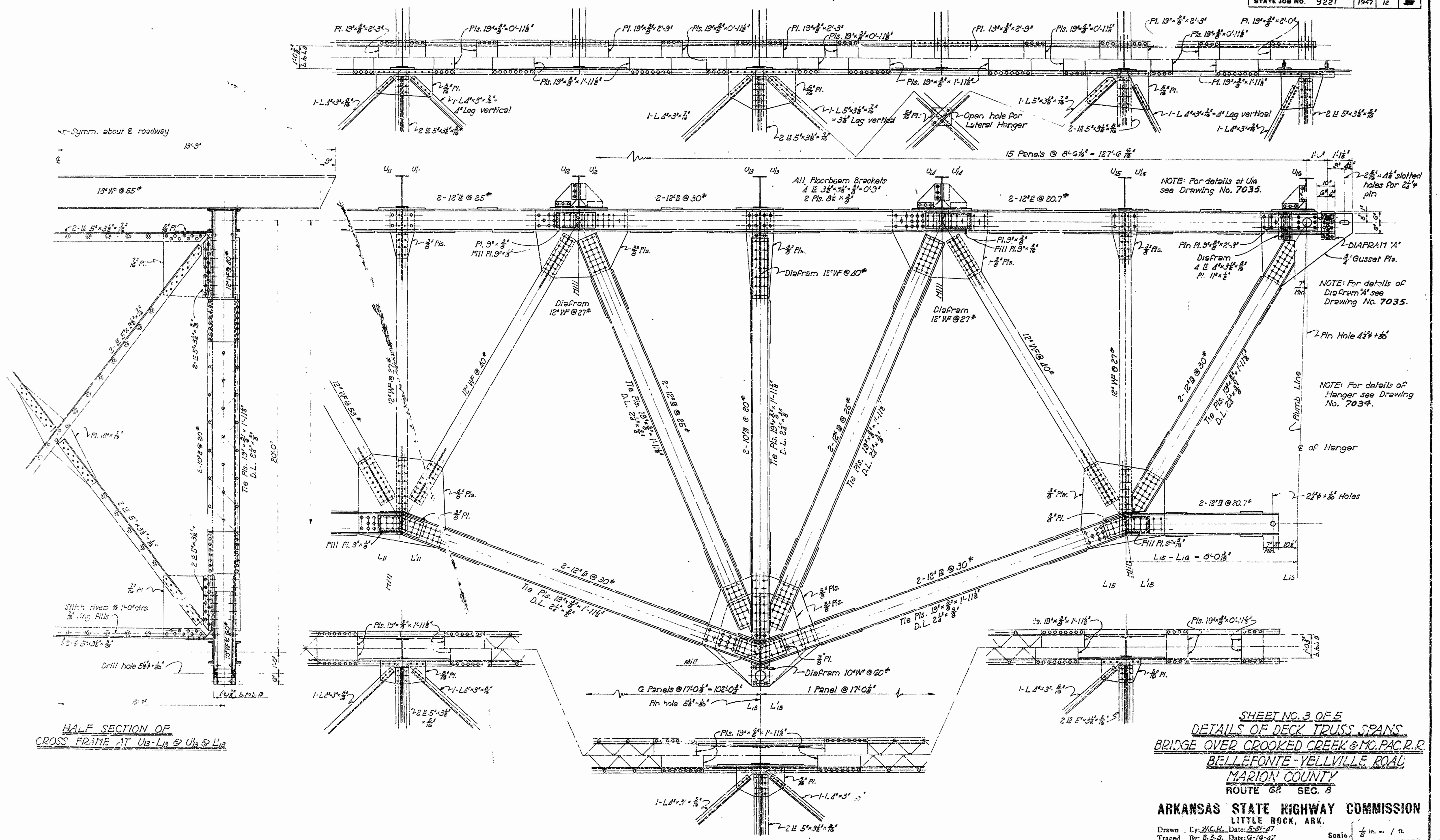
SHEET NO. 10F5
DETAILS OF DECK TRUSS SPANS
BRIDGE OVER CROOKED CR. & MO. PAC. R.R.
BELLFONTE-YELLEVILLE ROAD
MARION COUNTY
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn by: W.C.H. Date: 5-22-47
Traced by: S.B.S. Date: 6-2-47
Checked by: _____ Date: _____
BRIDGE NO. 2469 DRAWING NO. 7031

W.C.H. Hoover
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-370-(10)	1947	12	23
STATE JOB NO. 9221					

NOTE: Floorbeam brackets not shown



HALF SECTION OF CROSS FRAME AT U12-L12 & U13-L13

SHEET NO. 3 OF 5
 DETAILS OF DECK TRUSS SPANS
 BRIDGE OVER CROOKED CREEK & MO. PAC. R.R.
 BELLEFONTE-YELVILLE ROAD
 MARION COUNTY
 ROUTE 62 SEC. 8

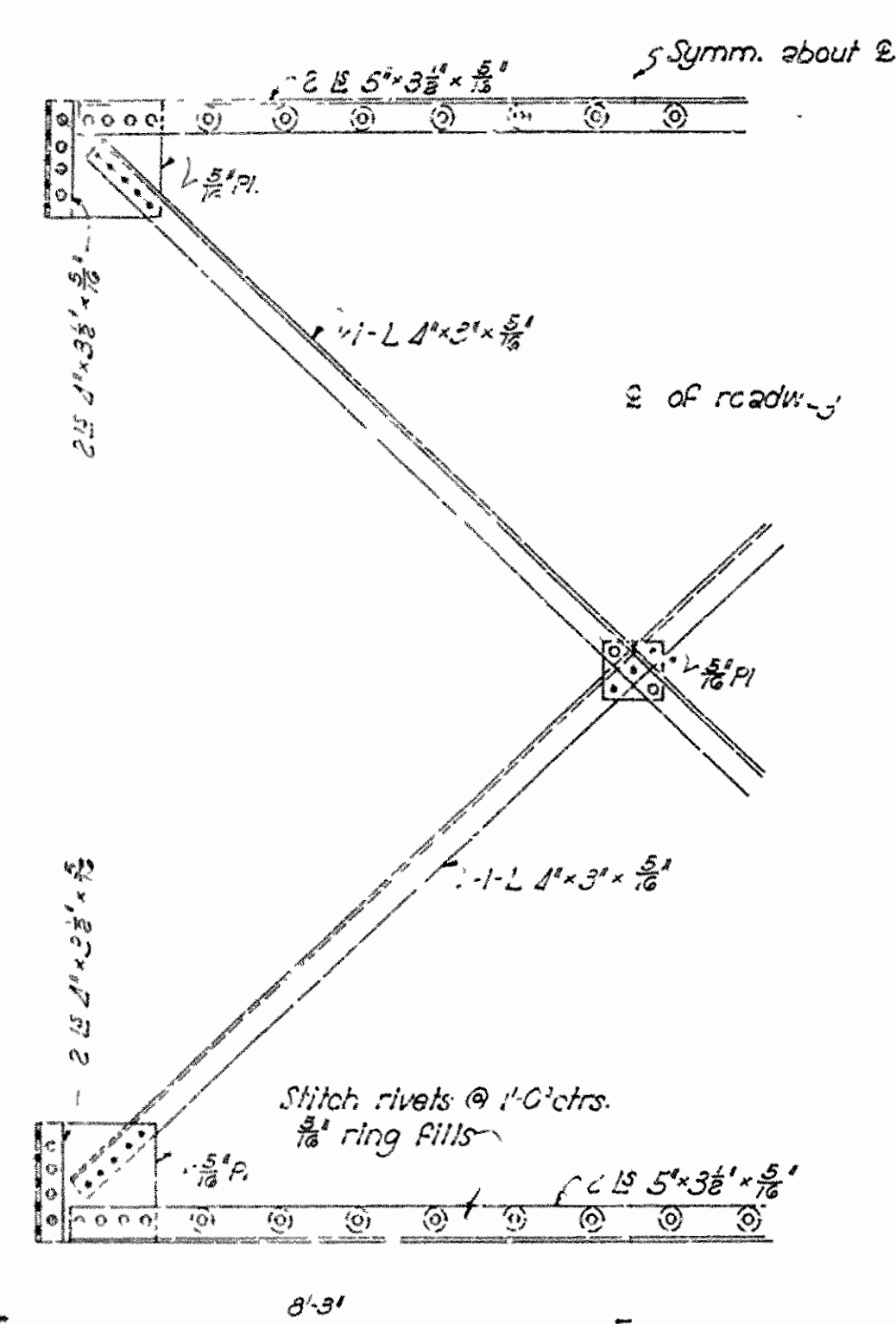
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn by: M.C.H. Date: 5-27-47
 Traced by: B.S.S. Date: 6-16-47
 Checked by: _____ Date: _____
 BRIDGE NO. 2169 DRAWING NO. 7033

REVISIONS: Mill joint at L12 & L13. W.C.H. 8-22-47.

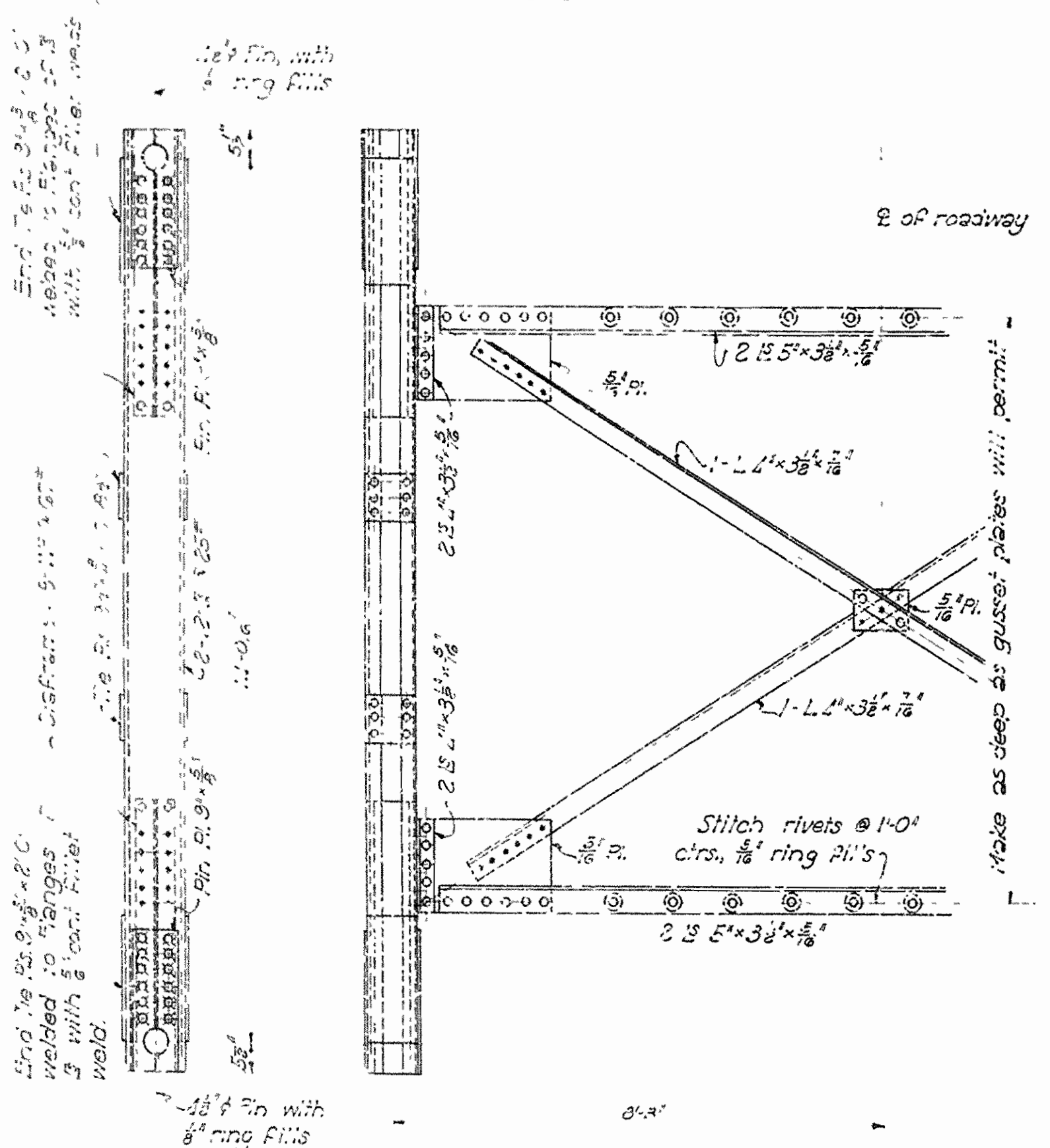
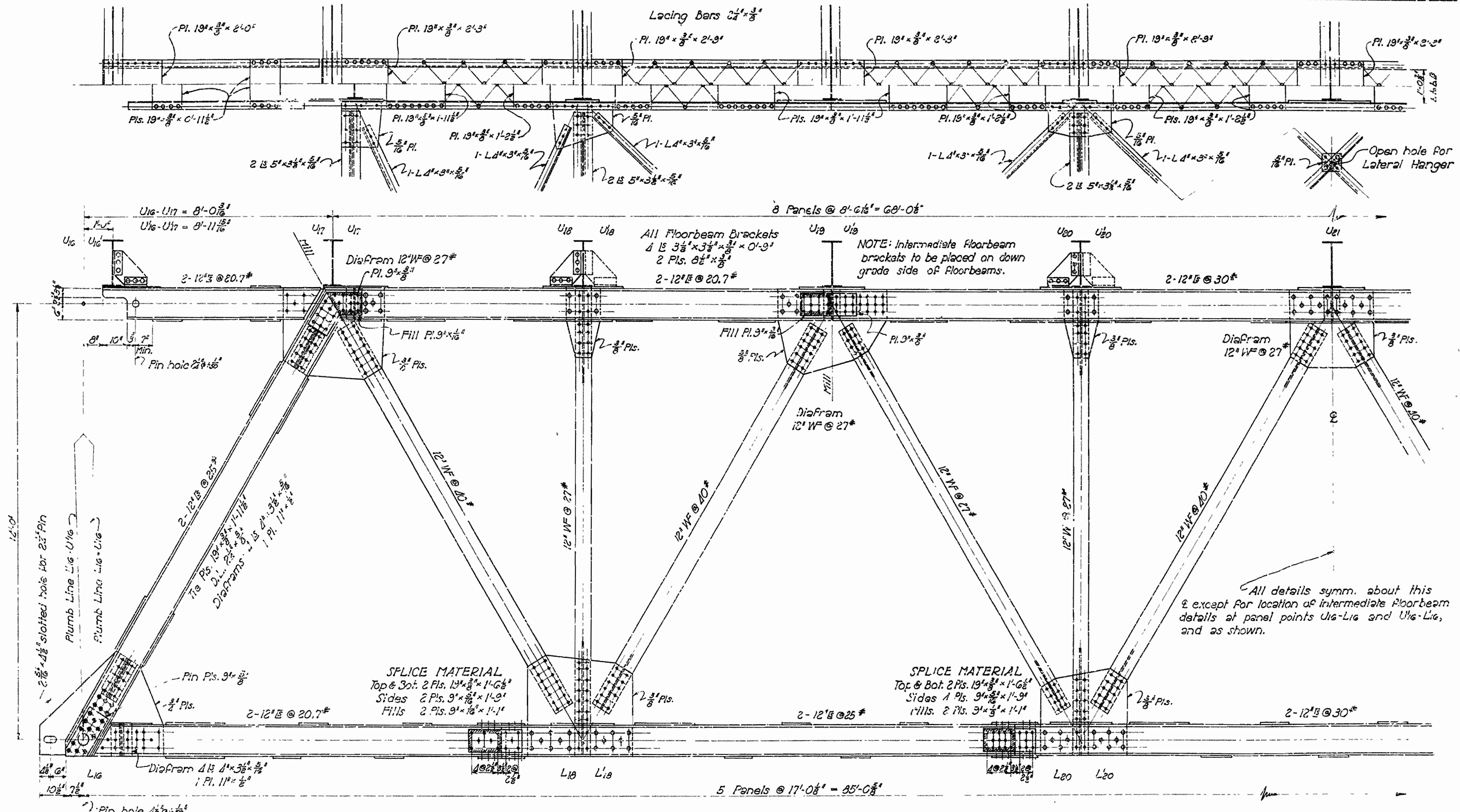
M.C.H.
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-370-(10)		23	23
STAFF JOB NO. 9221		1947		13	

NOTE: Floorbeam brackets not shown



HALF PORTAL CROSS FRAME AT U16-U17 AND U16-U17



HALF SECTION OF HANGER CROSS FRAME AT U16-U16

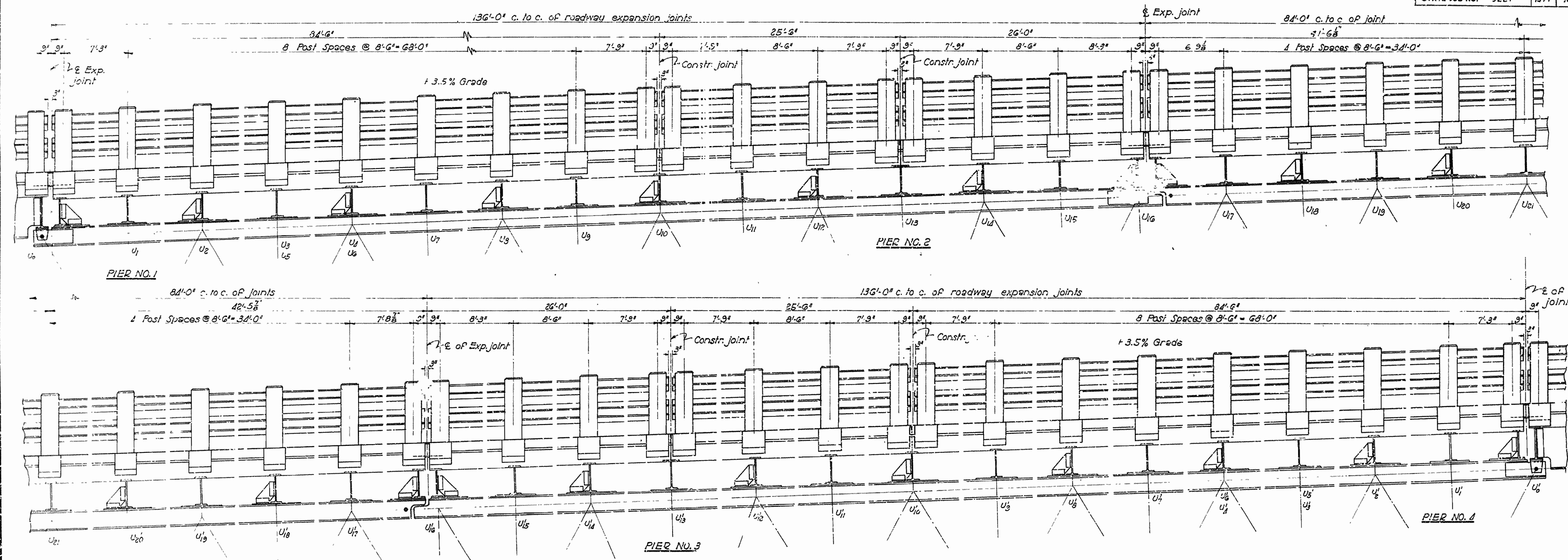
NOTE: Weld edges of pin plates and diafram flanges outside pin hole with 3/8" cont. filler welds.

SHEET 4 OF 5
 DETAILS OF DECK TRUSS SPANS
 BRIDGE OVER CROOKED CREEK & MO. PAC. R.R.
 BELLEFONTE-YELLVILLE ROAD
 MARION COUNTY

ROUTE 62 SEC. 8
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: M.C.H. Date: 6-5-47
 Traced By: E.P.S. Date: 6-18-47
 Checked By: _____ Date: _____
 BRIDGE NO. 2069 DRAWING NO. 7034

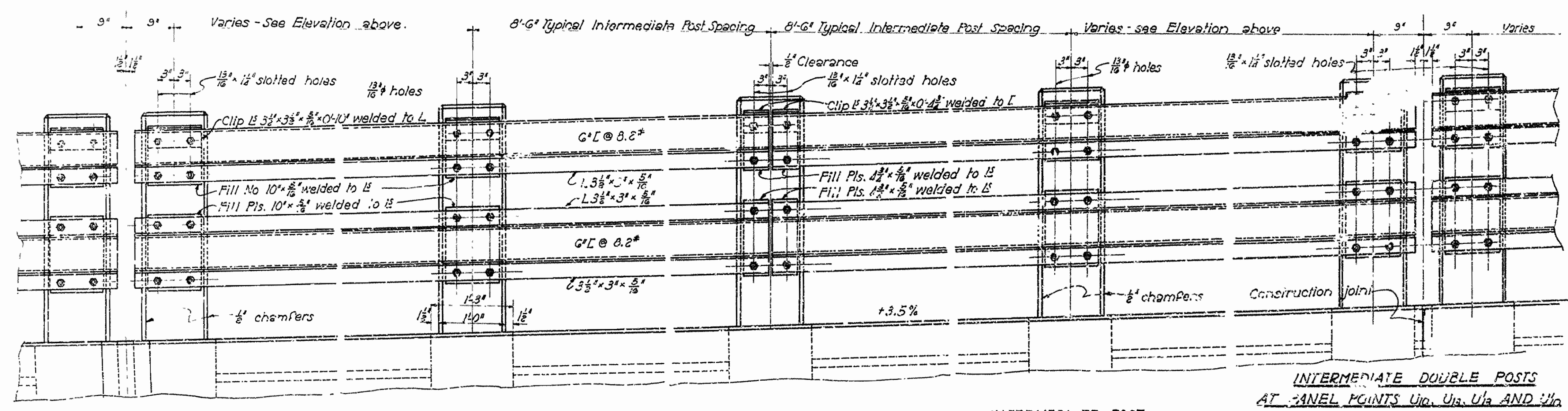
M.C.H.
 PRINCIPAL HIGHWAY ENGINEER (ARND)

FED. ROAD DIST. NO.	L. DATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-370-00		16	23
STATE JOB NO. 9221		1947	16		



SIDE ELEVATION OF TRUSS SPANS - SHOWING RAIL POST SPACING AND LOCATION OF FLOORBEAM BRACKETS
Scale: $\frac{3}{8}'' = 1'-0''$

HANDRAIL NOTES
The concrete rail posts and structural steel rail members shall be paid for at the unit price bid per linear foot for "Concrete and Structural Steel Railing".
Handrail members shall extend over two panels, except between construction joints or double posts when members shall extend over three panels.
All horizontal lines of handrail to be parallel to the finished grade. All vertical lines shall be plumb in their final position, except sides of post bracket adjacent to roadway expansion joints.



INSIDE ELEVATION OF HANDRAIL
Scale: $1'' = 1'-0''$

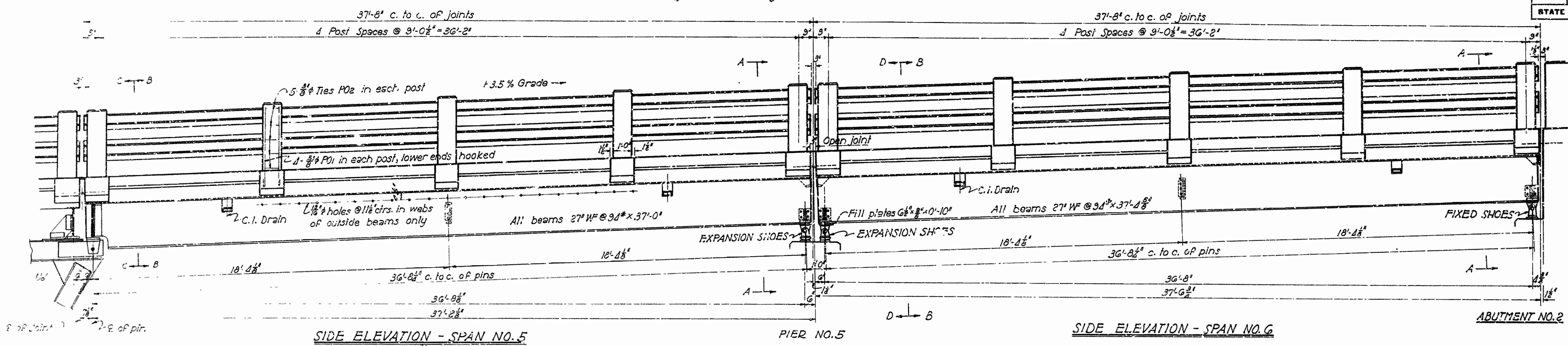
DETAILS OF HANDRAILS FOR DECK CANTILEVER TRUSS SPANS BRIDGE OVER CROOKED CREEK AND MISSOURI PACIFIC RAILROAD BELLFONTE - YELVILLE ROAD MARION COUNTY ROUTE 62 SEC. 8

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: W.C.H. Date: 5-17-47
Traced By: A.E.S. Date: 5-23-47
Checked By: _____ Date: _____
BRIDGE NO. 2469 DRAWING NO. 7037

W.C. Hanner
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-370 (10)	1947	18	23
STATE JOB NO. 9221				18	

NOTE: See Drawing No. 7040 for enlarged details of handrail.



SIDE ELEVATION - SPAN NO. 5

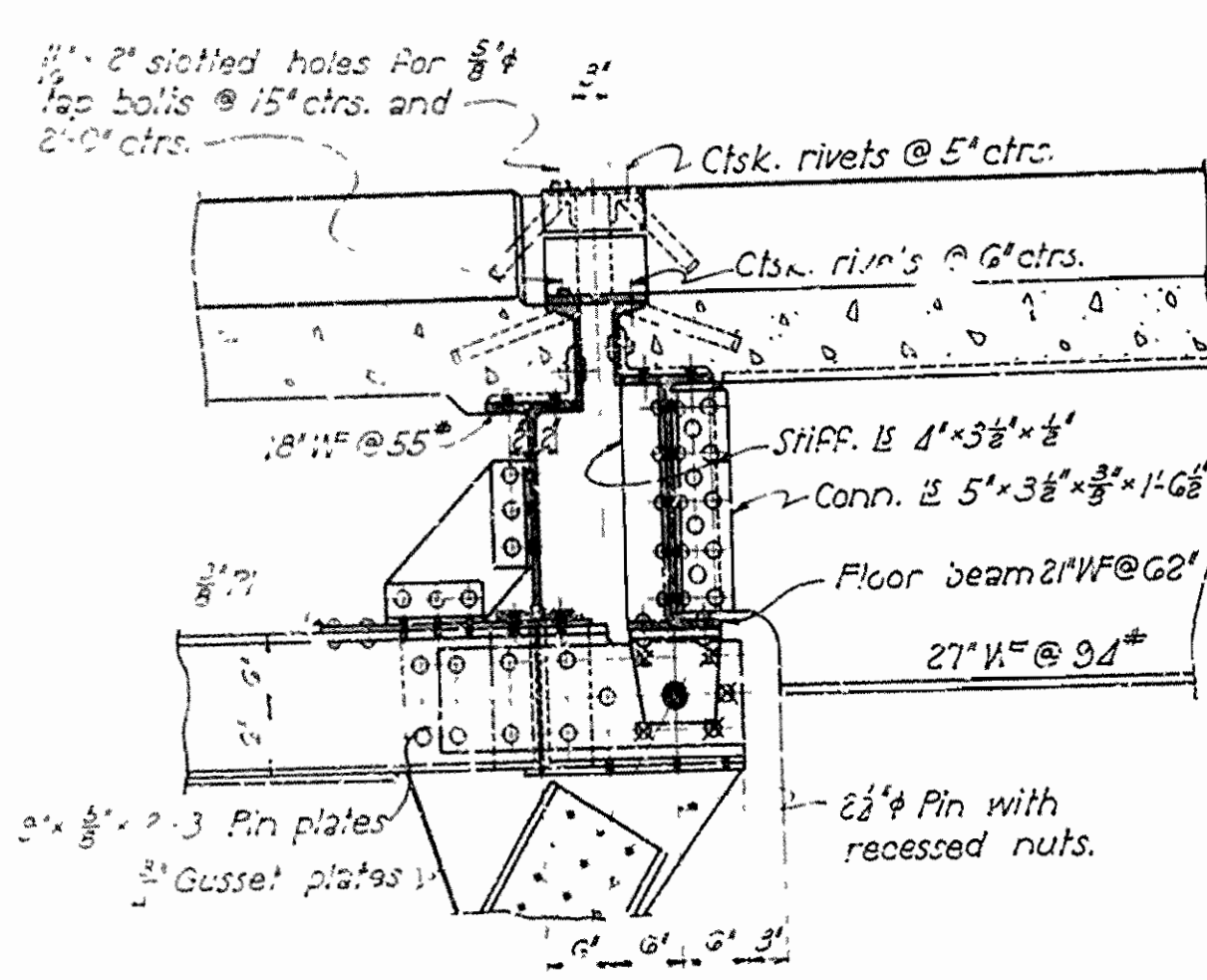
SIDE ELEVATION - SPAN NO. G

ABUTMENT NO. 2

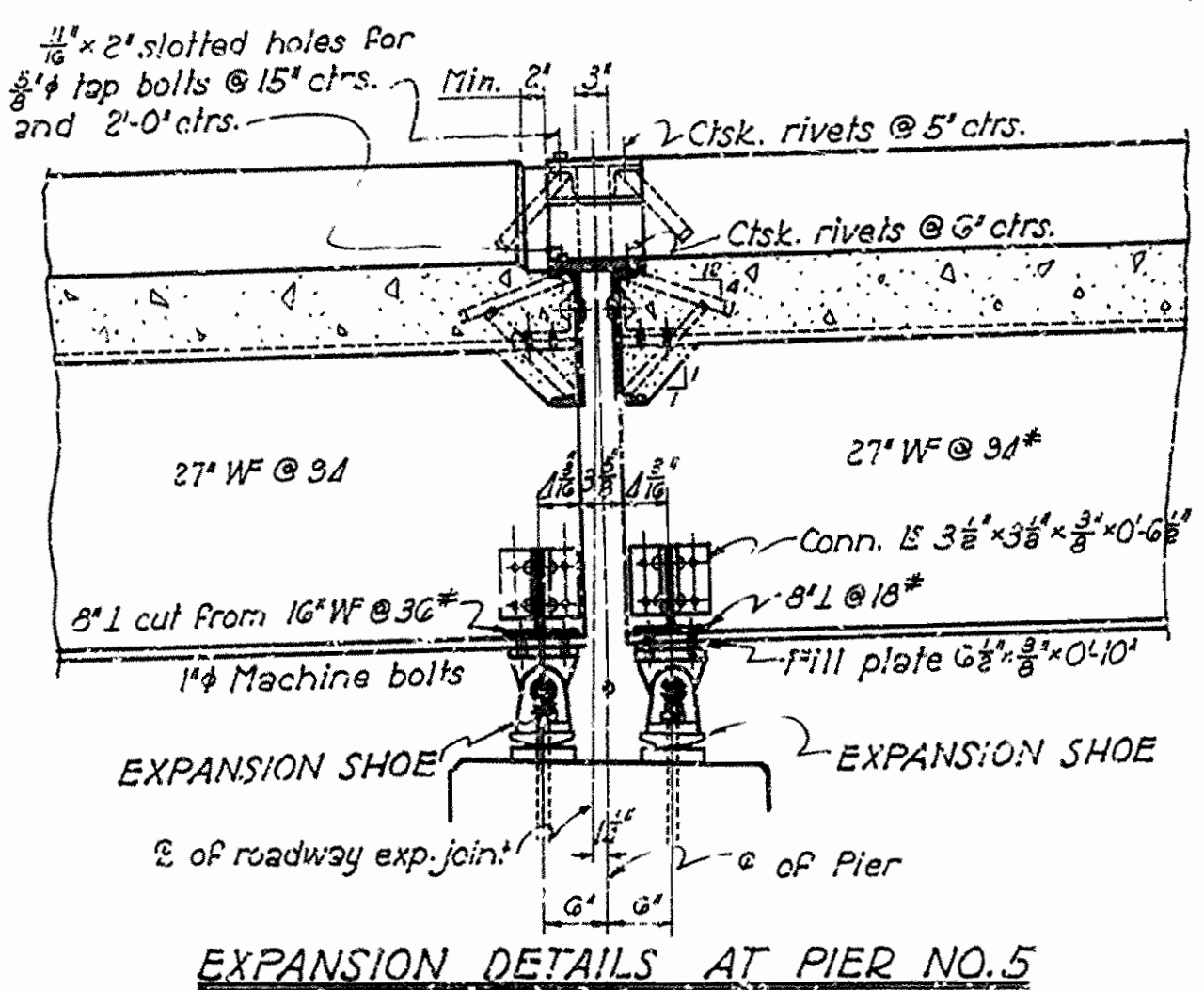
NOTE: For details of blast plate for Span No. 5, see Drawing No. 7040.

GENERAL NOTES

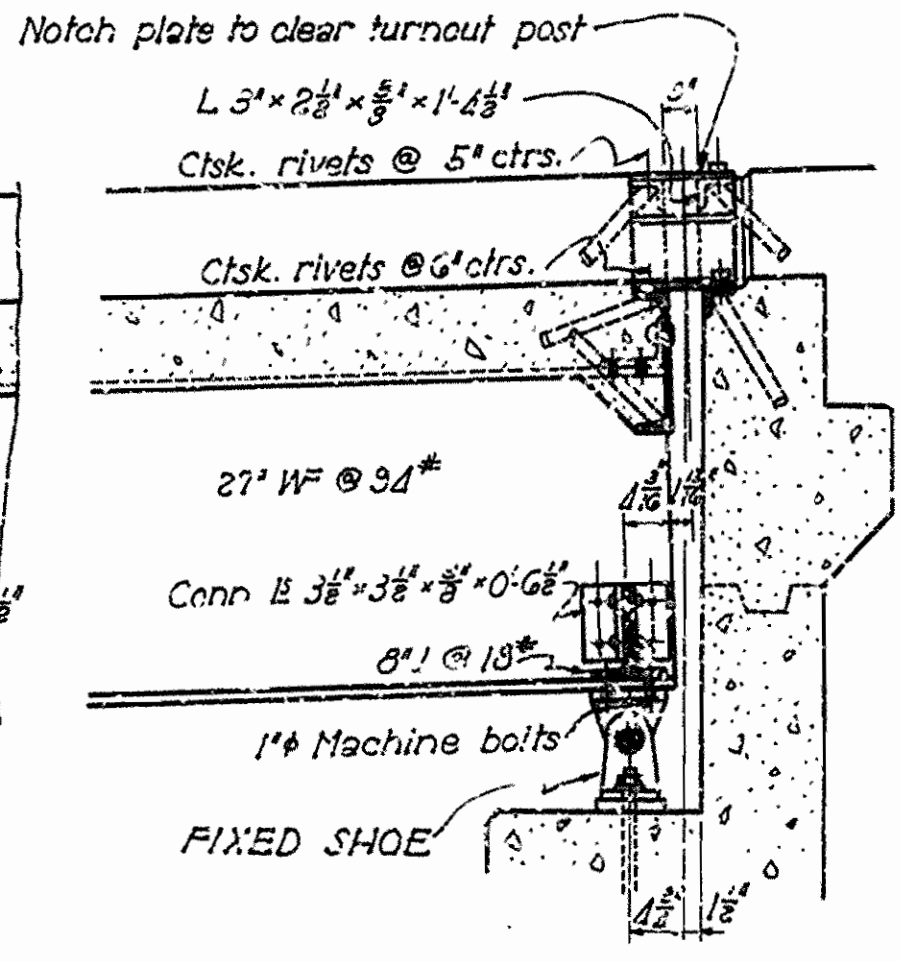
All concrete to be Class 'S'. All exposed corners to be chamfered 2" unless otherwise noted.
 Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams must be submitted and approval secured before fabrication is begun.
 All reinforcing steel shall be accurately located in the forms and firmly held in place by means of steel wire supports, sufficient in number and size, to prevent displacement during the course of construction and to keep the steel a proper distance from the forms.
 Wire supports will not be paid for directly but will be considered subsidiary to the item of reinforcing steel. Shop lists and diagrams of the type to be used must be submitted for approval.
 Rivets - 3/4". Open holes - 1/8". Where holes are indicated, use machine bolts. Use 3/4" rivets in handrail.
 Structural shapes, of equal or greater strength may be substituted for shapes shown, but payment will be made on shapes shown or actually used, whichever is the lesser.
 All welded connections to be 3/8" structural welds, except as noted for shoes. Welding to be by the electric arc process.
 Ends of stiffener angles to be ground to bear against beam flanges.
 All bearing and roadway expansion devices to be paid for at the unit price bid for 'Structural Steel in Beam Spans'.
 Cast iron drains to be paid for at the unit price bid for 'Structural Steel in Beam Spans', and are to be painted the same as structural steel.
 Shop Paint - All structural steel shall be given one coat of red lead and raw linseed oil before shipment, except surfaces in contact with concrete.
 Field Paint - 1st coat, white lead tinted with lamp black; 2nd coat, aluminum paint.
 To provide for deflection of girders due to dead load, the slab shall be approximately 3/8" thicker at mid-span, and 1/4" thicker at the quarter points.
 This drawing shows general features of design only. Shop drawings shall be made in accordance with the specification, and shall be submitted and approval secured before fabrication is begun.
 SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, adopted March 1, 1940.



EXPANSION DETAILS AT U1



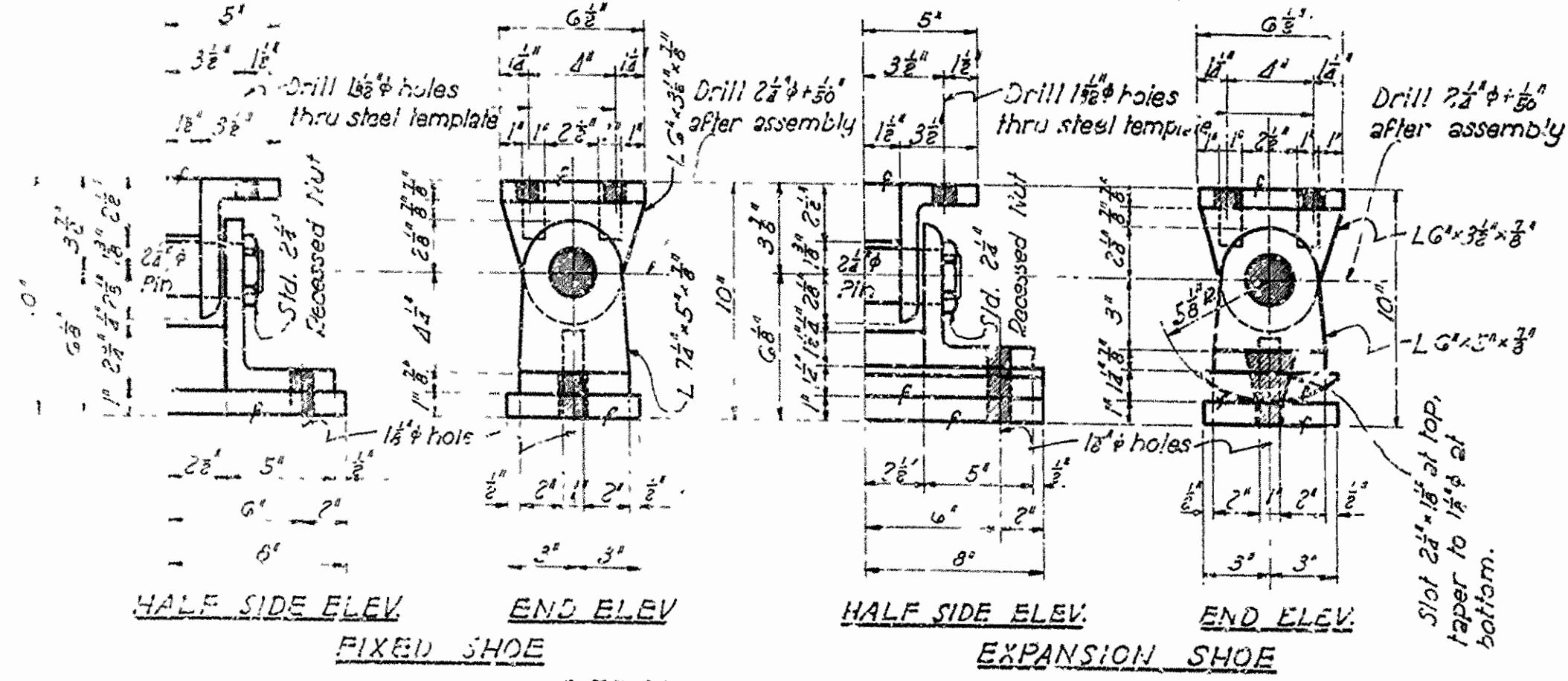
EXPANSION DETAILS AT PIER NO. 5



EXPANSION DETAILS AT ABUTMENT NO. 2

SHOE NOTES: All shoes to be built from structural steel plates and shapes. All material to be welded together with 3/8" fillet welds extending entire length of all edges and surfaces in contact. Surfaces in contact to be milled to bear before welding.
 Masonry plates shall be finally sealed on 3 layers of burlap saturated with red lead. This work and material to be included in the unit price bid for Structural Steel in Beam Spans.

NOTE: All shoes to be field bolted to 27" C.B.s with 1" machine bolts.



DETAILS OF SHOES

BAR LIST FOR SPANS NO. 1, 5 AND G - EACH

MARK	SIZE	NO. REQD	LENGTH	BENDING DIAGRAM
S1	3/8"	31	67'-11"	[Bending Diagram S1]
S2	3/8"	31	29'-2"	[Bending Diagram S2]
S3	5/8"	1	28'-11 1/2"	[Bending Diagram S3]
S4	3/4"	22	STRAIGHT 19'-6"	[Bending Diagram S4]
S5	3/4"	30	4'-11"	[Bending Diagram S5]
S6	3/4"	10	10'-5"	[Bending Diagram S6]
S6A	3/4"	10	3'-11"	[Bending Diagram S6A]
S7	3/4"	10	10'-6"	[Bending Diagram S7]
PO1	3/8"	40	2'-5"	[Bending Diagram PO1]
PO2	3/8"	40	3'-5"	[Bending Diagram PO2]

NOTE: Dimensions relating to reinforcing steel are to centers of bars.

DESIGN LIVE LOAD: H-20 LOADING A.A.S.H.O. 1944
 Load Distribution to Interior Beams: - Dead Load 710#/Lin. Ft.
 Live Load 1,200#/Wheels 30% Impact
 Load Distribution to Outside Beams: Dead Load 990#/Lin. Ft.
 Live Load 0.633 Wheels 30% Impact
 UNIT STRESSES: Class 'S' Concrete (n=10) 1000 #/sq in
 Reinforcing Steel 18000 #/sq in
 Structural Steel 18000 #/sq in

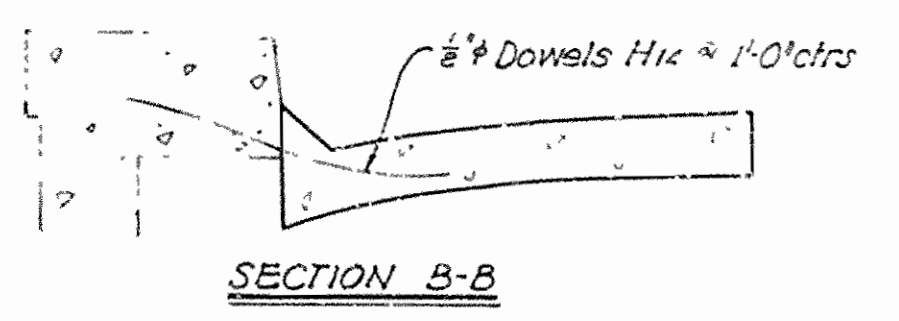
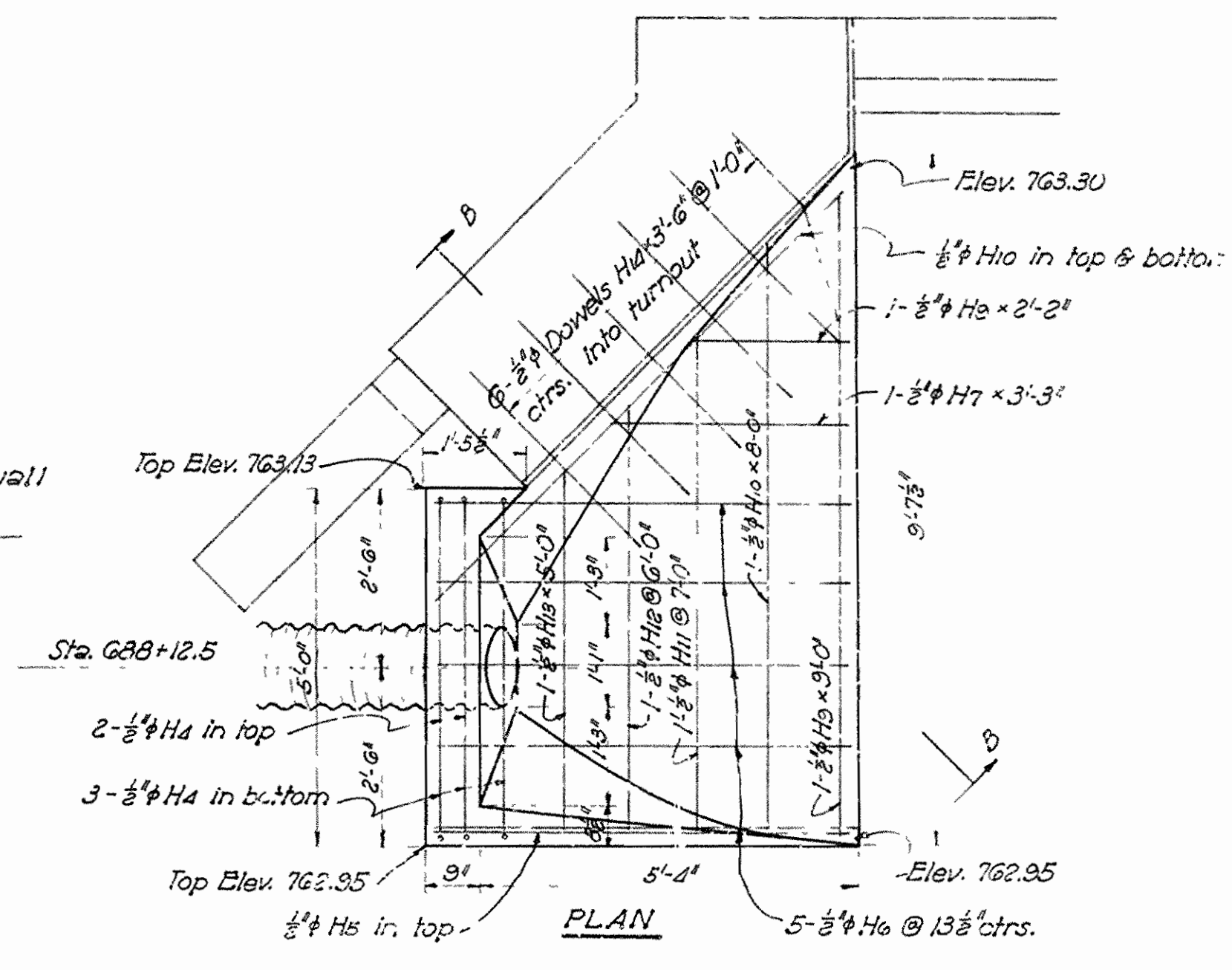
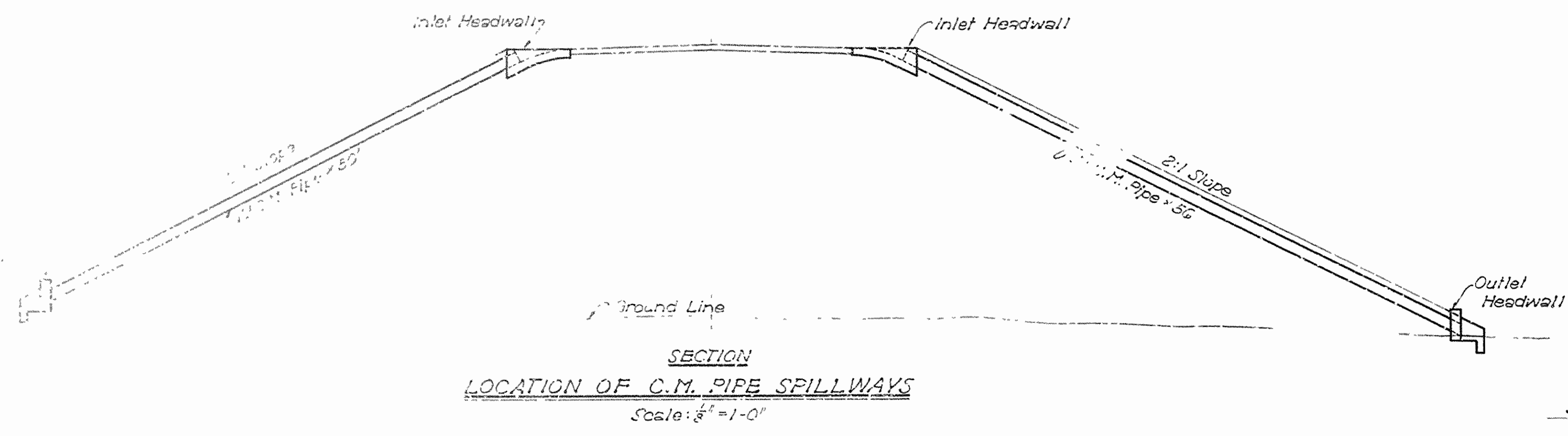
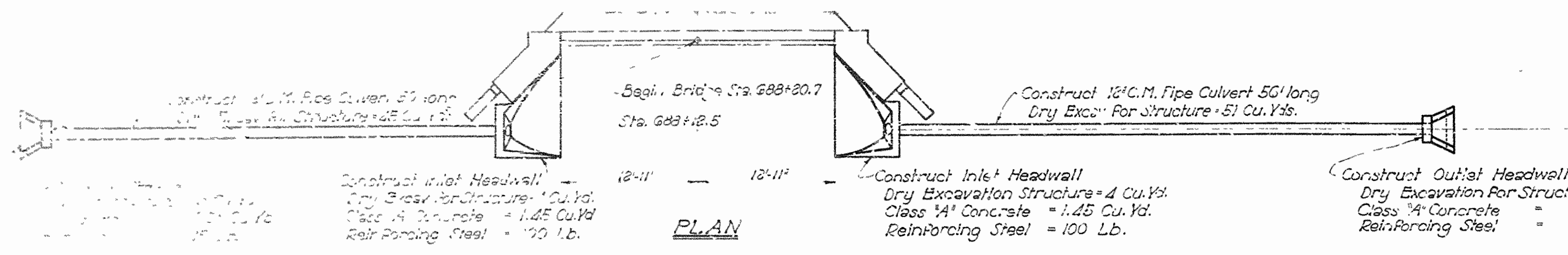
See Drawing No. 7038 and 7040 for remainder of details.

SHEET NO. 2 OF 3 OF
 DETAILS OF I-BEAM SPANS
 26'-0" CLEAR ROADWAY - 2 SIDEWALKS
 5 GIRDER TYPE

ROUTE SEC.
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: W.C.H. Date: 5-10-47
 Traced By: B.B.J. Date: 5-23-47
 Checked By: _____ Date: _____
 BRIDGE NO. 2469 DRAWING NO. 7039

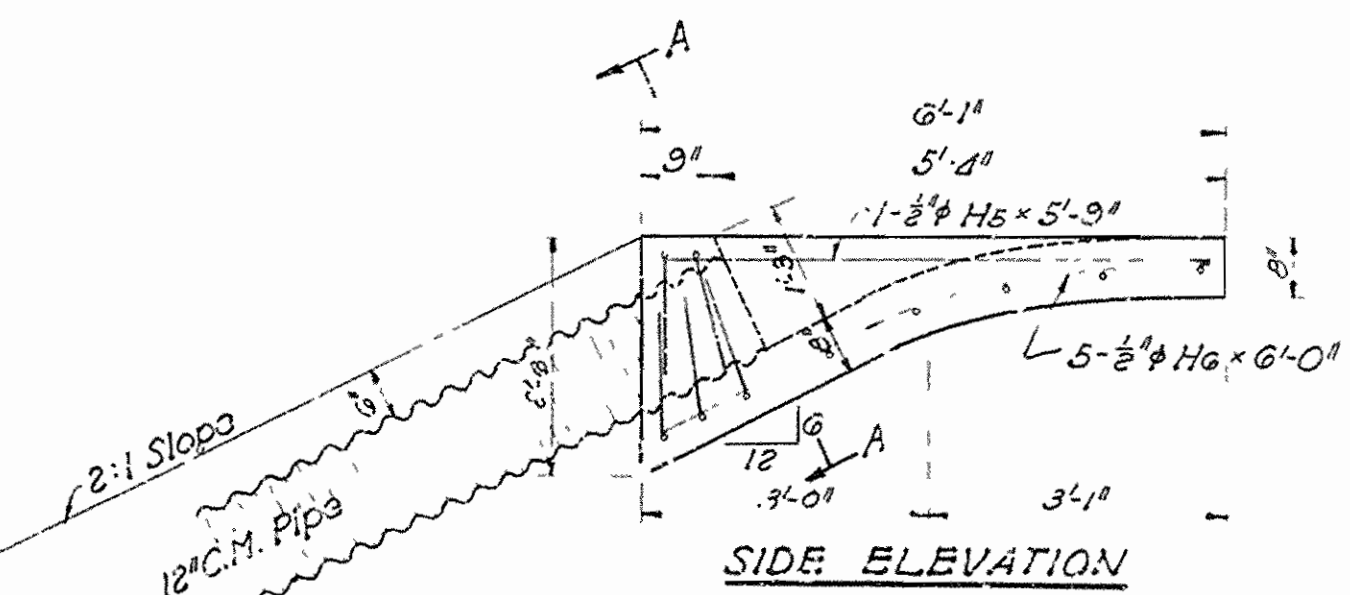
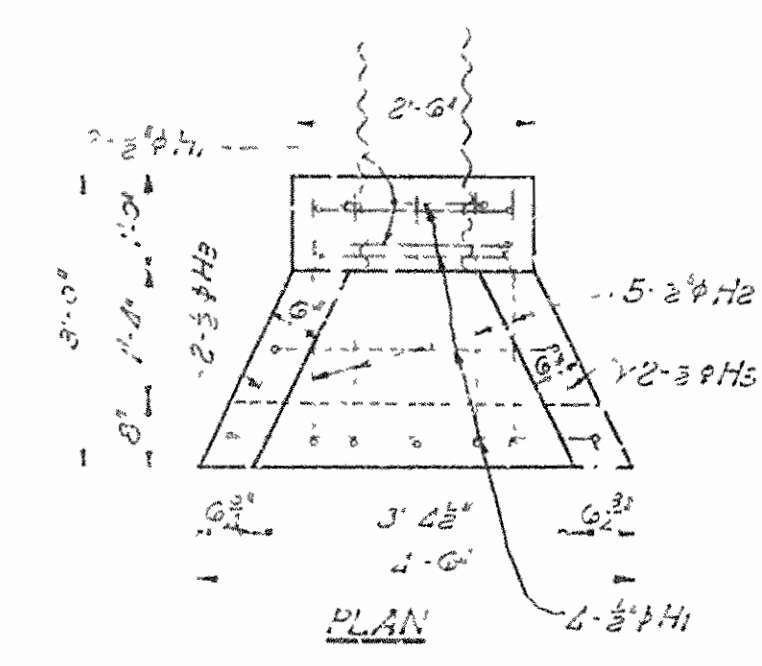
M. O. Lawrence
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	ARK.	F-370 (10)		3	13
STATE JOB NO.		9259		3	13



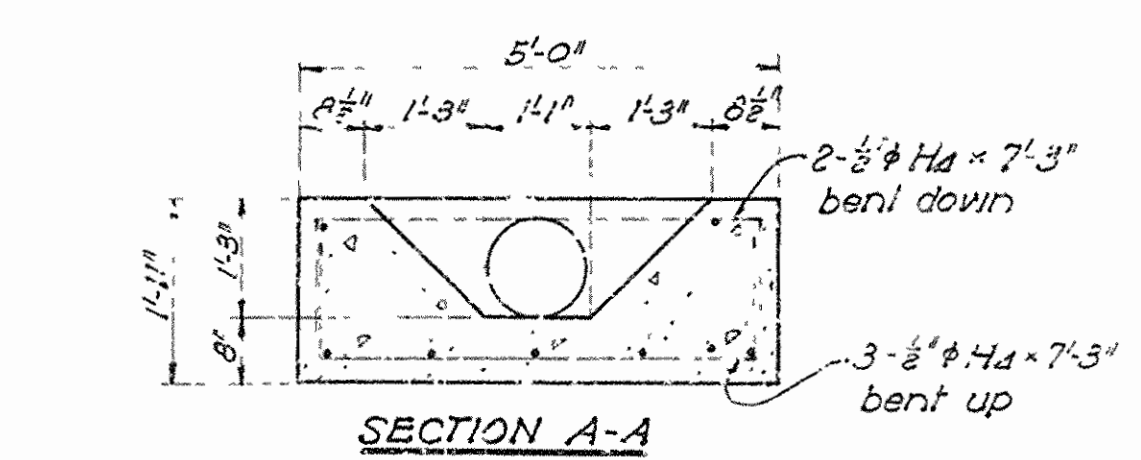
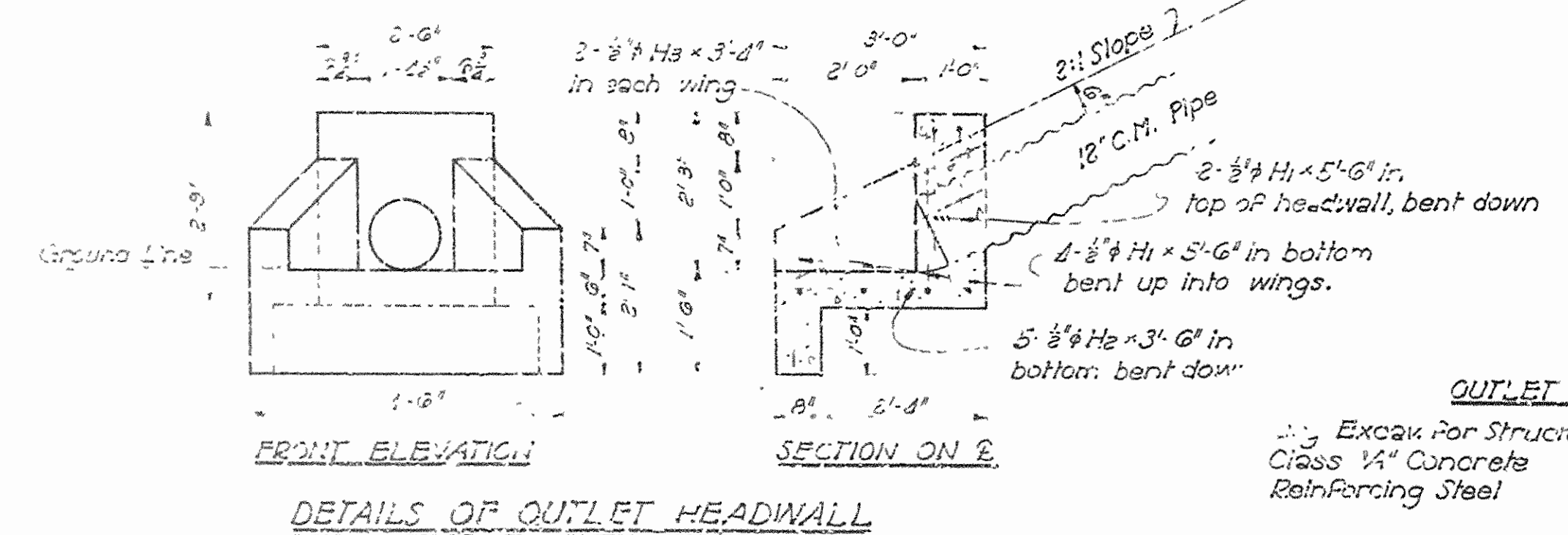
BAR LIST FOR EACH HEADWALL

- Outlet Headwall
 - 6-#4 H₁ x 5'-6" Bent in Field
 - 5-#4 H₂ x 3'-6" Bent in Field
 - 4-#4 H₃ x 3'-4" Straight
 - 5-#4 H₄ x 7'-3" Bent in Field
 - 1-#4 H₅ x 5'-9" Straight
 - 5-#4 H₆ x 6'-0" Bent in Field
 - 1-#4 H₇ x 3'-3" Straight
- Inlet Headwall
 - 1-#4 H₈ x 2'-2"
 - 1-#4 H₉ x 3'-0"
 - 3-#4 H₁₀ x 2'-0"
 - 1-#4 H₁₁ x 2'-0"
 - 1-#4 H₁₂ x 2'-0"
 - 1-#4 H₁₃ x 3'-0"
 - 6-#4 H₁₄ x 3'-6"



GENERAL NOTES

All concrete in headwalls to be Class "A". All exposed corners to have 3/8" chamfers.
 All reinforcing steel to be deformed bars of structural or intermediate grade.
 Corrugated Metal Pipe Culvert to be Spelter Coated.



DETAILS OF INLET HEADWALL

QUANTITIES

	OUTLET HEADWALL - EACH	INLET HEADWALL - EACH
Excav. For Structures	3 Cu. Yds.	Dry Excav. For Structures 4 Cu. Yd.
Class "A" Concrete	0.55 Cu. Yds.	Class "A" Concrete 1.45 Cu. Yd.
Reinforcing Steel	45 Lb.	Reinforcing Steel 100 Lbs.

DETAILS OF C.M. PIPE SPILLWAY ON LEFT AND RIGHT OF STA. 688+12.5 BRIDGE OVER CROOKED CREEK AND MISSOURI PACIFIC RAILROAD BELLEFONTE - YELVILLE ROAD ROUTE 62 SEC. 8

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: J.W.G.H. Date: 7-11-47
 Checked By: B.B.S. Date: 7-14-47
 Scale: 1/2" = 1' ft. EXCEPT AS NOTED
 BRIDGE No. 2069 DRAWING No. 7041

M.C. Denver
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)