

Bridge Inspection Report

02202
SH 367 White Co.
over
LITTLE RED RIVER



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	8
ELEMENTS	9
PICTURES	11
SKETCHES	12

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Location Map



Latitude: 35.25489
Longitude: -91.67633

Inspector:

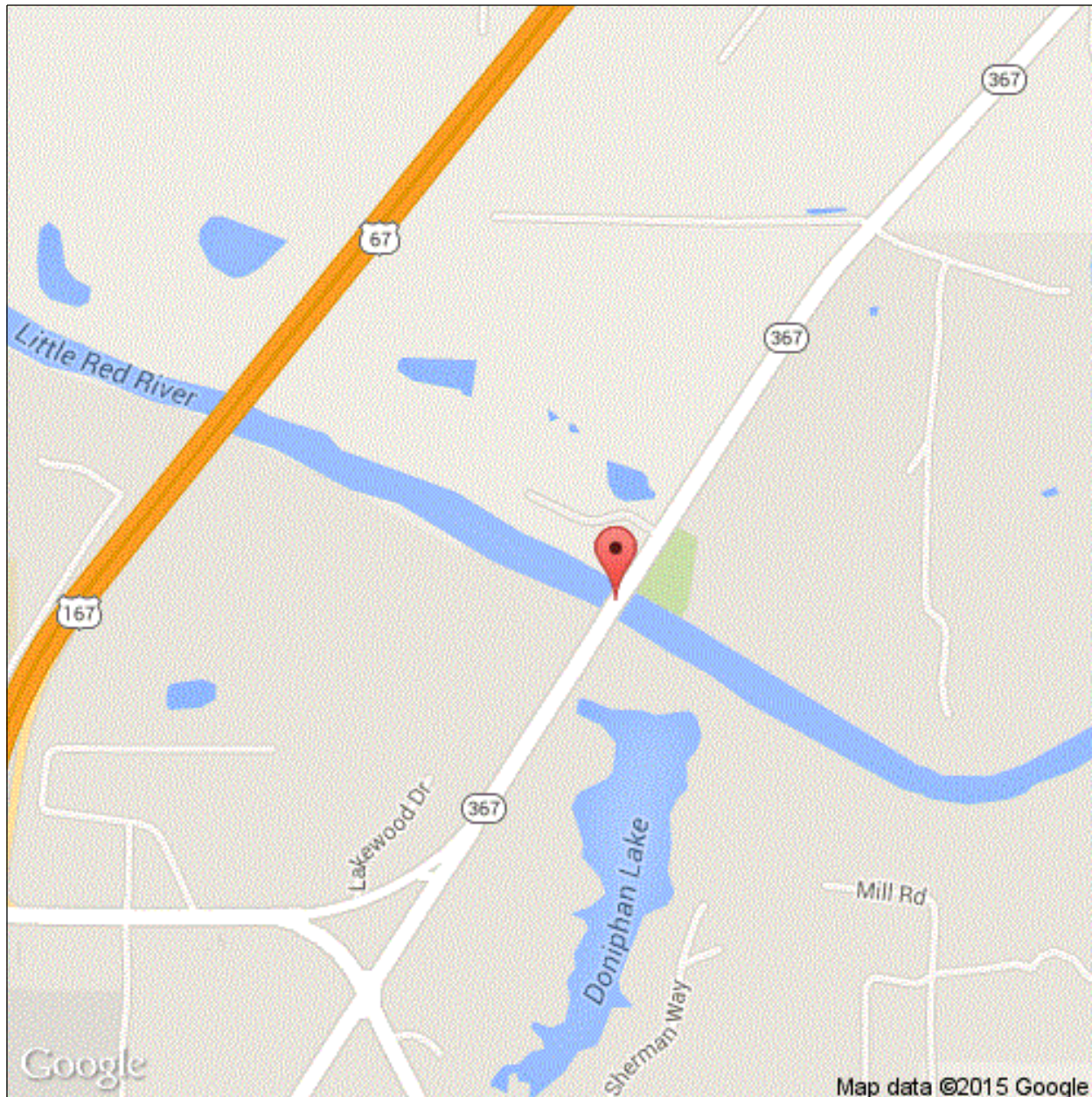
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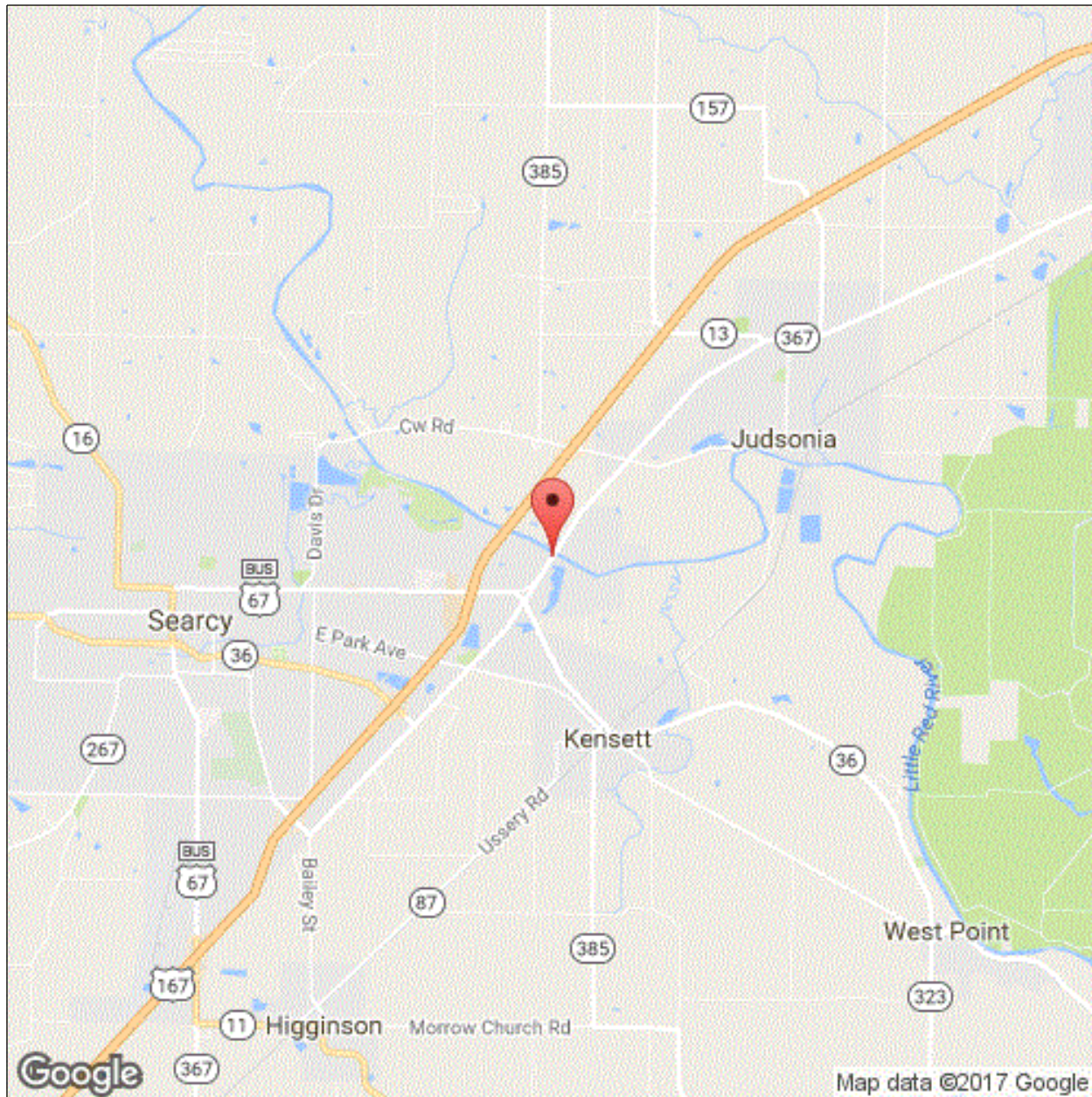
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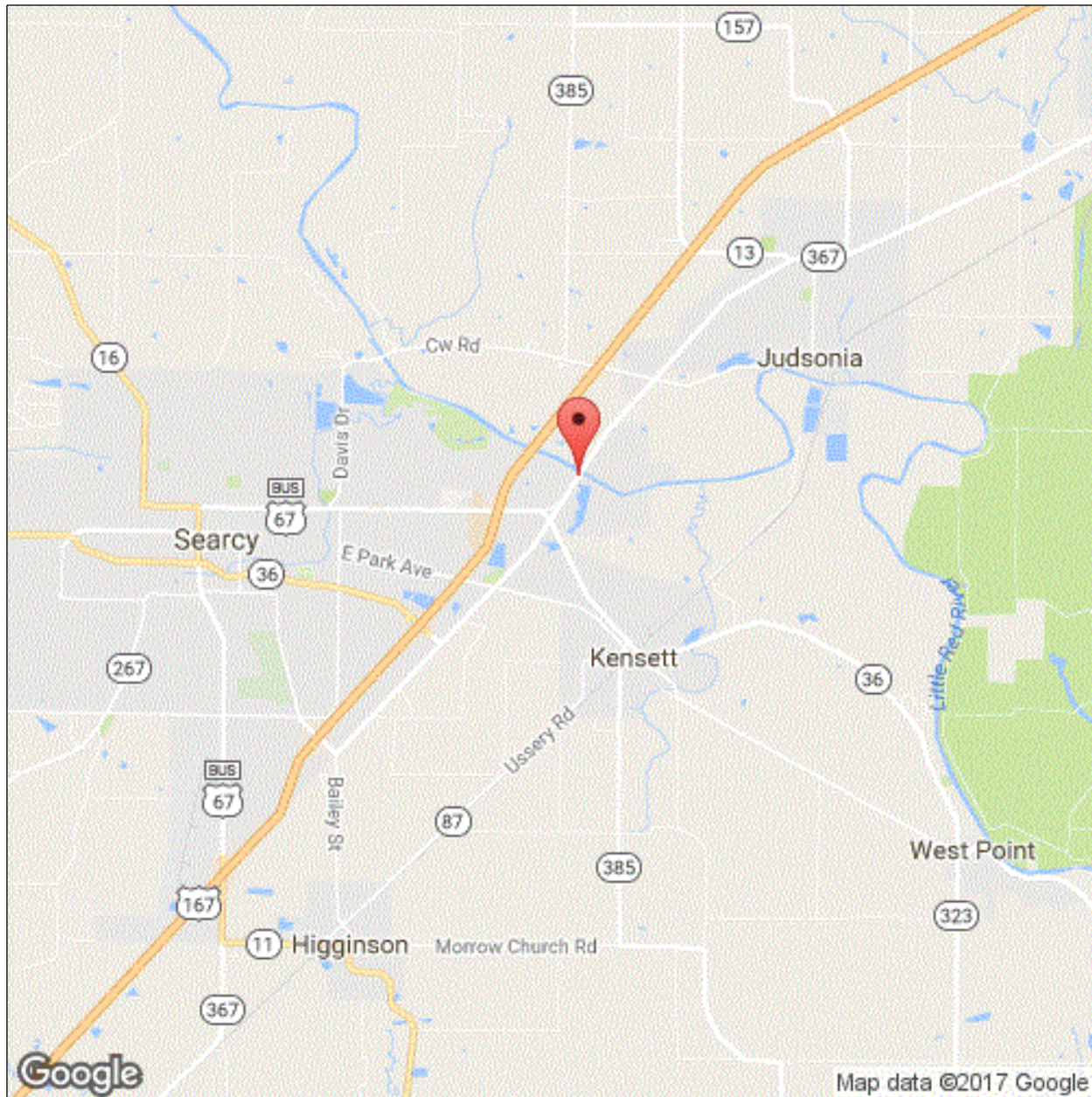
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Location Map



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Bridge Inspection Report

Executive Summary

Log Mile looking Northeast

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/23/2016
(8) STRUCTURE NUMBER	02202	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	Y 24 05/10/2017
(4) PLACE CODE	60780	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE RED RIVER	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 White Co.	CONDITION	
(9) LOCATION	.3 M N OF SH 36	(58) DECK	6
(11) MILEPOINT 0.470	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(16) LATITUDE 35.25489	(17) LONGITUDE -91.67633	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	43.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(66) INVENTORY RATING	26.0
B) TYPE OF DESIGN/CONSTR:	03 - Girder and Floorbeam System	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	5
(45) NUMBER OF SPANS IN MAIN	5 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	7
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	7
(27) YEAR BUILT	1949 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 5	36A) BRIDGE RAILINGS:	0
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	6800 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 58.8
(48) LENGTH OF MAX SPAN (ft.)	100 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.8	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(32) APPROACH ROADWAY WIDTH (ft.)	42.0	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.8	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	10435 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:
 Inspection Date:

Structure Number: 02202
 Facility Carried: SH 367 White Co.

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	13165	sq. ft.	12283	255	627	0
	Deck cracking moderate in size 1/16"-1/8" extending in some cases the entire width of roadway. SEE FORM III Partial A/C overlay at Spans 1 & 5.						
1080 - Delamination/Spall/Patched Area		69				69	
1090 - Exposed Rebar		32			32		
1130 - Cracking (RC and Other)		781			223	558	
510 - Wearing Surfaces		744	sq. ft.	744			
107 - Steel Open Girder/Beam	1- Ben.	824	ft.	546	136	142	0
	Girder ends at every bridge joint on bottom Flange has rust present with minor pitting. Section loss to knife edge bottom Flange to Right Girder at 3B. Bottom Flange at 3A & 3B Left bottom & top Flanges at 3B Right and bottom Flange at 5A Left & Right have section loss. SEE FORM III						
1000 - Corrosion		278			136	142	
515 - Steel Protective Coating		4670	sq. ft.	3210	0	665	795
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		130					130
3440 - Effectiveness (Steel Protective Coatings)		1330				665	665
113 - Steel Stringer	1- Ben.	412	ft.	333	65	14	0
	Moderate rust & section loss to all Stringers. Heavy rust & section loss &/or hole to Stringer at 1A, 3A, 3B. SEE FORM III						
1000 - Corrosion		79			65	14	
515 - Steel Protective Coating		474	sq. ft.	0	0	457	17
3440 - Effectiveness (Steel Protective Coatings)		474				457	17
152 - Steel Floor Beam	1- Ben.	455	ft.	418	0	37	0
	Bottom Flange at random locations has old section loss present that has been cleaned and painted. Span 3 - Rivet sheared on Right side of Floor Beam 3. Span 5 - Crack to top Flange of Floor Beam 1. SEE FORM III						
1000 - Corrosion		36				36	
1020 - Connection		1				1	
515 - Steel Protective Coating		1001	sq. ft.	0	0	921	80
3440 - Effectiveness (Steel Protective Coatings)		1001				921	80

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Bridge Inspection Report

Element Inspection

161 - Steel Pin and Pin & Hanger Assembly or both	1- Ben.	8	each	0	0	8	0
Pack rust exist behind all Hangers, Pin & Hanger assemblies were not functioning due to inward rotation of both abutments. Approximately 1/8" section loss to inside hangers Lt. & Rt. SEE FORM III							
1000 - Corrosion		8				8	
515 - Steel Protective Coating		21	sq. ft.	0			21
205 - Reinforced Concrete Column	1- Ben.	8	each	4	3	1	0
SEE FORM III							
1080 - Delamination/Spall/Patched Area		1			1		
1090 - Exposed Rebar		2			2		
1130 - Cracking (RC and Other)		1				1	
215 - Reinforced Concrete Abutment	1- Ben.	74	ft.	70	0	4	0
Abutment 1 & 2 have minor rotation. Abutment 1 - Minor spall with heavy rust stains on Right end. Left end of Abutment is separated from wing with corroded rebar exposed. SEE FORM III							
1080 - Delamination/Spall/Patched Area		4				4	
234 - Reinforced Concrete Pier Cap	1- Ben.	102	ft.	93	7	2	0
SEE FORM III							
1080 - Delamination/Spall/Patched Area		2				2	
1090 - Exposed Rebar		7			7		
301 - Pourable Joint Seal	1- Ben.	445	ft.	0	0	0	445
All poured joints leak.							
2340 - Seal Cracking		445					445
305 - Assembly Joint without Seal	1- Ben.	191	ft.	0	191	0	0
SEE FORM III Some joints close caused from Abutments rotated.							
2370 - Metal Deterioration or Damage		191			191		
311 - Movable Bearing	1- Ben.	4	each	0	0	4	0
Rusting with minor section loss to masonry plates at Abutments 1 & 2. SEE FORM III							
1000 - Corrosion		3				3	
1020 - Connection		1				1	
515 - Steel Protective Coating		7	sq. ft.	0		7	
313 - Fixed Bearing	1- Ben.	8	each	0	0	4	4
SEE FORM III							
1000 - Corrosion		4				4	
1020 - Connection		4					4
515 - Steel Protective Coating		58	sq. ft.	0			58
330 - Metal Bridge Railing	1- Ben.	1656	ft.	0	1656	0	0
Rust present on metal railing.							
1000 - Corrosion		1656			1656		
515 - Steel Protective Coating		3776	sq. ft.	0		3776	

Inspector:

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Bridge Inspection Report

Pictures

Inspector:

Inspection Date:

Structure Number: 02202

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code: Repair

Deficiency Description:

Rust with section loss to top Flange of Floor Beams.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Rust with section loss to top flange of Floor beams.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code: Replace

Deficiency Description:

Sheared rivet at Floor Beam connection at Girder 2 at Span 3. 1st Floor Beam back from Pin & Hanger 3B.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Sheared rivet at Floor beam connection at Girder #2 at Span #3. 1st floor beam back from 3B

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code: Repair

Deficiency Description:

Rust with section loss to bottom Flange of Stringer 1 at Span 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 4. Rust with section loss to top Flange of Floor Beam 3 & bottom of Stringer 1.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/10/2017

Priority: C - Important

Work Code: N/A

Deficiency Description:

Heavy rust with section loss to bottom Flange of Girders 1 and 2 at Pin & Hangers 1A, 3A, 3B, & 5A.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Heavy rust with section loss to bottom Flange of Girder 2 at Pin & Hanger 3A.

Stage: Assigned



PHOTO 2 Description Heavy rust with section loss to bottom Flange of Girder 1 at Pin & Hanger 3B.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Bearing 1 is sitting at the edge of Cap at Abutment 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bearing 1 is sitting at the edge of Cap at Abutment 1.

Inspector:

Structure Number: 02202

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: C - Important

Work Code:

Deficiency Description:

Large, deep spall to Soffit with 12' of rebar exposed at Span 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 3. Spall 12' rebar exposed to Deck below.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: C - Important

Work Code: Repair

Deficiency Description:

Rust with section loss and holes in Web of Stringer 1 at Spans 1 and 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Rust with section loss and holes in web of stringer #1 at Spans #1 and #3.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/10/2017

Priority: C - Important

Work Code: N/A

Deficiency Description:

Floor beam 1 has a crack in top Flange at Span 5.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Floor beam 1 has a crack in top Flange at Span 5.

Stage: Assigned



PHOTO 2 Description Floor beam 1 has a crack in top Flange at Span 5.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/10/2017

Priority: C - Important

Work Code: N/A

Deficiency Description:

Pin & hangers have pack rust behind hangers. Pin & Hanger assemblies are not functioning due to inward rotation of both abutments.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Pack rust @ Pin & hanger assembly 1A @ Girder 1 Span 1.

Stage: Assigned



PHOTO 2 Description Girder 2 Pin & Hanger assembly 5A. Pack Rust

Inspector:

Structure Number: 02202

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code:

Deficiency Description:

All poured joints are deteriorated & leak.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description All Poured Joints are deteriorated & leak.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Unsealed cracks to Deck at all spans.
Spalls to Deck at most spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Unsealed cracks to Deck at all spans.

Stage: Monitor



PHOTO 2 Description Spalls to Deck at most spans.

Inspector:

Structure Number: 02202

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/10/2017

Priority: C - Important

Work Code: N/A

Deficiency Description:

Cracked tack weld between bottom Flange & Gusset plate inside Girder 1 at end of Span 2.

Cracked tack weld on outside of Girder 2 between bottom flange & cover plate @ end of Span 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Cracked tack weld between bottom flange & gusset plate inside Girder #1 at end of Span #2.

Stage: Assigned



PHOTO 2 Description Cracked tack weld on outside of Girder 2 between bottom flange & cover plate @ end of Span 3.

FED. ROAD DIST. NO.	STATE	F.A.P. PROJECT NO.	TOTAL SHEETS	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63(6)	17	1	17
STATE JOB NO. 5233					

STATE OF ARKANSAS
STATE HIGHWAY COMMISSION

INDEX OF SHEETS

Sheet No	Dwg No	Description
1	6168	Title Sheet
2	6169	Schedule of Quantities for Substructure.
3	6170	Layout of Bridge over Little Red River-Br. No. 2202
4	6171	Details of Abutments-Br. No. 2202
5	6172	Details of Abutments-Br. No. 2202
6	6173	Details of Piers-Br. No. 2202
7	6174	Details of Deck Plate Girder-60' End Span
8	6175	Details of Deck Plate Girder-116'0" Center Span
9	6176	Details of Deck Plate Girder-116'0" Cantilever Spans
10	6177	General Details of Deck Plate Girder Spans
11	6178	General Details of Deck Plate Girder Spans
12	6179	Layout of Bridge over Little Red River Relief-Br. No. 2203
13	5216	Details of Bents for 36'0" I-Beam Spans
14	5217	Details of 36'0" I-Beam Spans
15	1888	Embankment Construction at Br. Ends and Backfill for Structures
16	1891	Basis for Computing Excavation for Structures
17	2387	Details of Project Markers, R/W Markers, and Bridge Name Plates.

PLAN OF PROPOSED BRIDGES

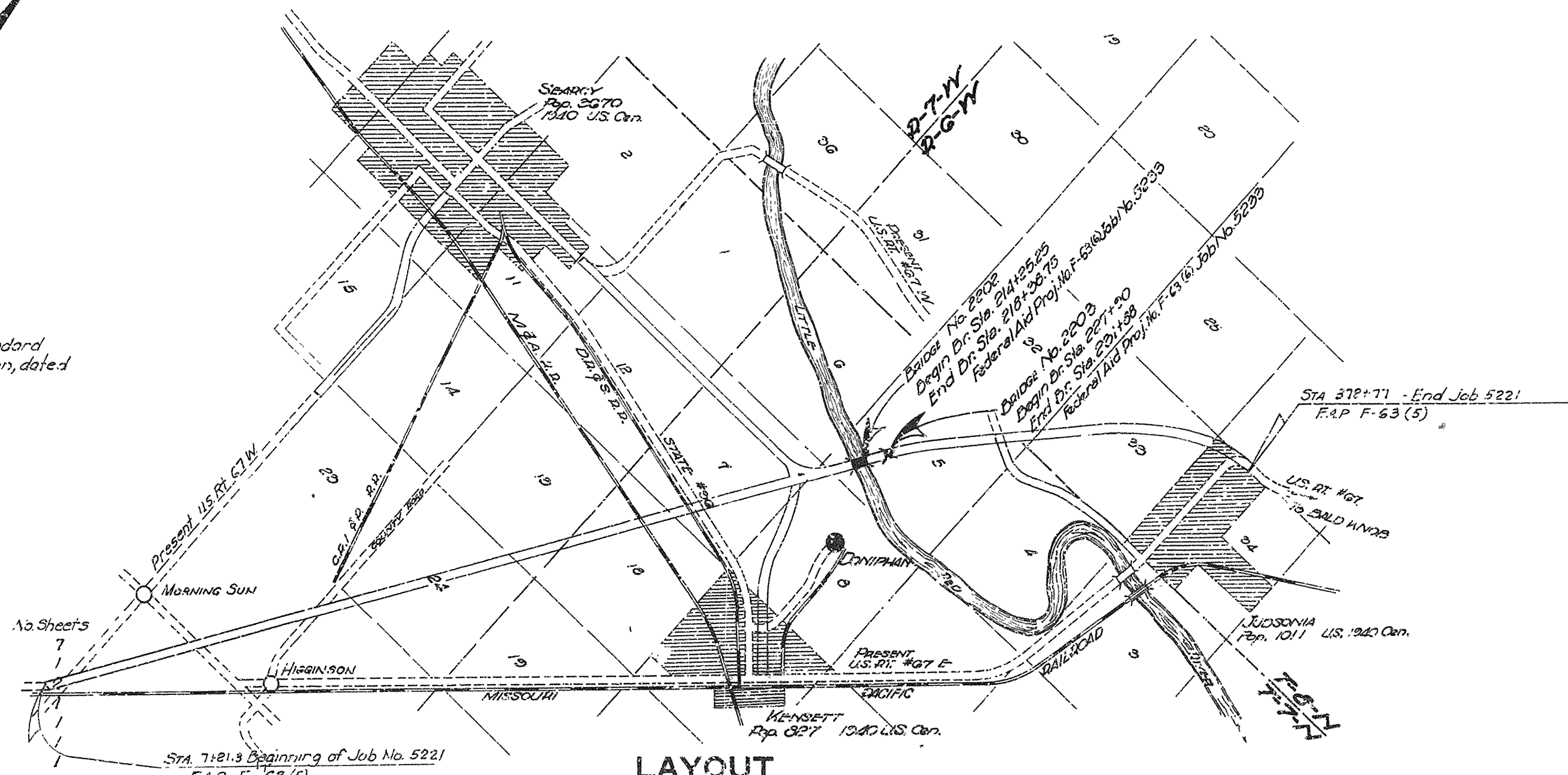
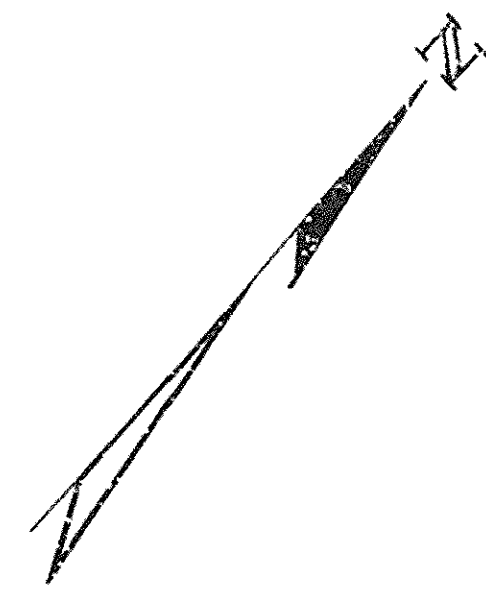
OVER LITTLE RED RIVER
SCARCY-JUDSONIA ROAD
WHITE COUNTY

ROUTE 67 SEC. 13
JOB No 5233

FEDERAL AID PROJECT (No. F-63(6))

QUANTITIES

ITEM No	ITEM	QUANTITY	UNIT
101	Clearing	0.73	Acre
103	Dry Excavation for Structures	8	Cu Yd.
103	Wet Excavation for Structures	1330	" "
103	Solid Rock Excavations for Structures	52	" "
SP#802	Class 'A' Concrete for Bridges	941.2	" "
SP#802	Class 'S' Concrete for Bridges	810.6	" "
SP#802	Seal Concrete for Bridges	380.8	" "
SP#803	Reinforcing Steel	240,150	Lbs
SP#804	14" Square Concrete Piling	1450	Lin. Ft.
SP#804	16" Octagonal Concrete Piling	1965	" "
805	Concrete Railing	822.5	" "
SP#805	Concrete and Structural Steel Railing	822.5	" "
SP#807	Structural Steel in Beam Spans	663,910	Lbs
810	Untreated Timber Piling	5309	Lin. Ft.
909	Riprap	530	Cu. Yd.
929	Bridge Name Plates- Type 'A'	9	Each



SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, dated March, 1940, with Special Provisions as listed.

PAMPHLETS

- Division I
- Division II Part 1
 - " " " 8a
 - " " " 8b
 - " " " 8c
 - " " " 9
- Division III
- Division IV

SPECIAL PROVISIONS

- No. 7 Revised Special Provisions (Appr. 10-15-95)
- Wages of Labor
- 2-1 Revision of Article 211
- 2-2 Equipment List Required
- 2-4 State License for Contractors
- 4-1 Revisions of Article 4.2
- 8-3 Employment Centers for Labor
- 9-5 Partial Payment
- 805-2 Concrete and Structural Steel Railing
- 57-5 Revision of Section 807
- 803-1 Revision of Article 803.21
- 850-1 Engineers Field Office
- 853-1 Machine Mixing
- Coordination of Work - Job Nos. 5221 and 5233
- 804-2 Precast Piling

LAYOUT
Scale: 1" = 3000'

	Final Length
LENGTH OF PROJECT=	811'-0" = 0.153 MI.
LENGTH OF BRIDGES=	811'-6" = 0.153 MI.
LENGTH OF EMBANKMENT=	0'-0" = 0.0 MI.
LENGTH OF JOB=	811'-6" = 0.153 MI.

Revisions:
Quantity-Structural Steel- 6-27-46-H.B.
Substructure Contract only. 3-17-47, W.C.N.

M. B. Shaw
PRINCIPAL HIGHWAY ENGINEER (ISSUED)

APPROVED

CHAIRMAN State Highway Commission

APPROVED

STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
Federal Works Agency
Public Roads Administration

APPROVED

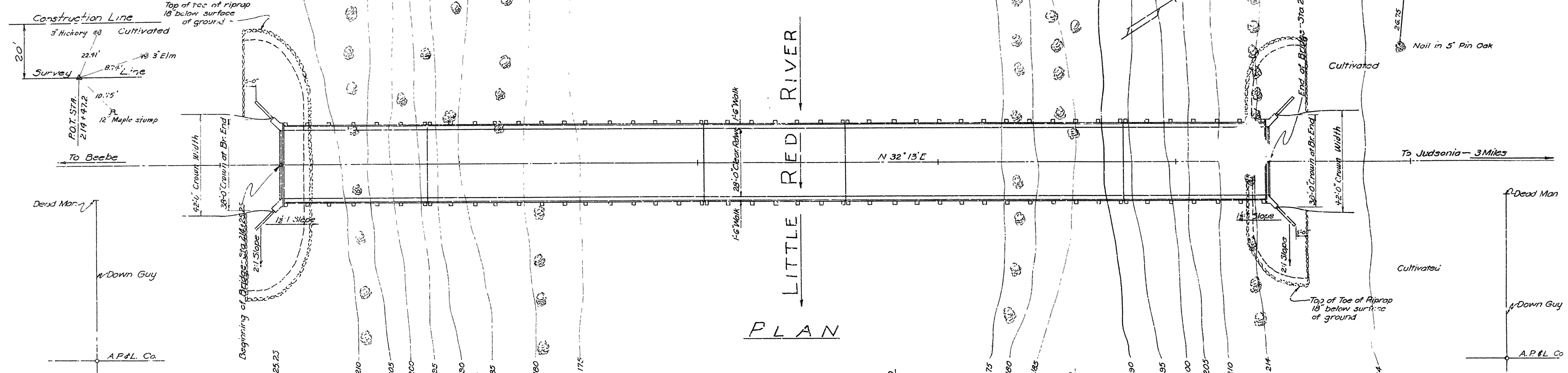
COMMISSIONER
Federal Works Agency
Public Roads Administration

RIGHT OF WAY DATA
Sta to Sta of Lt of Lt of Total Width
21200 250100 80' 80' 120'

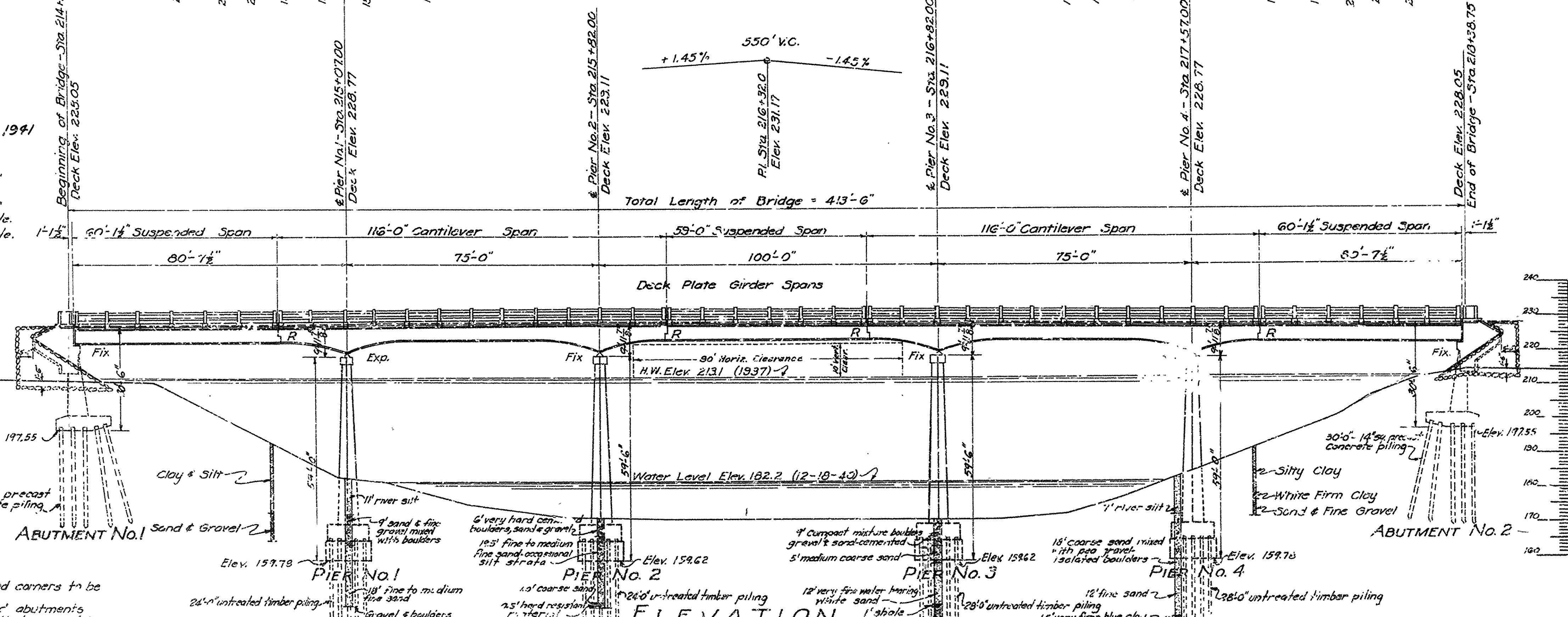
TANGENT DISTANCE DATA
From beginning of bridge pier 1000'
From end of bridge 1000'

FED. ROAD DIST. NO.	STATE	F.A.P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63(6)	1941	3	7

STATE JOB NO. 5233



DESIGN LIVE LOAD H-20 LOADING A.A.S.H.O. 1941
UNIT STRESSES
Class "A" Concrete (11-15) 700 #/sq ft
Class "B" Concrete (7-10) 1000 #/sq ft
Reinforcing Steel 18000 #/sq ft
Structural & Cast Steel 18000 #/sq ft
Max. Design Load - Conc. pile 30 Tons/pile.
Min. Design Load - Timber pile 20 Tons/pile.



GENERAL NOTES
All concrete to be poured in the dry. All exposed corners to be chamfered 3" unless otherwise noted.
In general all construction joints in piers and abutments shall be horizontal and shall be provided with keys not less than 3" deep covering the middle third of both dimensions.
Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Volume occupied by embedded pile heads shall not be included in the quantity of concrete in footings.
All girder spans to be erected and riveted before making first pour of floor slab.
Specifications: Arkansas State Highway Commission or Standard Specifications for Road and Bridge Construction, adopted March 1, 1930.

GENERAL NOTES (CON.)
For details of Abutments See Dwg. No. G17 & G172
For details of Piers, See Dwg. No. G173
For details of Superstructure, See Dwg. Nos. G174-G178
Piling to be placed by Bridge Contractor.
The foundation excavations on the stream banks and on the slopes of the banks shall be carried down vertically and shall not be larger than the neat dimensions of the foundation concrete, plus any necessary allowance outside neat lines for working room not to exceed 18".

FOUNDATION DATA
Concrete piling - Max. pile load - 30 tons per pile.
Use one pile in such abutment as has pile cast 5' to 7'.
Timber piling - Maximum Load - 15 tons per pile.
Drainage Area = 1630 Sq. Miles
Hilly to Mountainous.
B.M. #416 Elev. 213.55 M.S.L.
Nail in Power Pole 50 Ft. Sta. 214+10
B.M. Nail in Power Pole #217
90 Ft. Sta. 219+50 Elev. 216.00
Piling Data: Concrete piling - Max. pile load - 30 tons per pile.
Use one pile in such abutment as has pile cast 5' to 7'.
Timber piling - Maximum Load - 15 tons per pile.

NOTE: The sand stratum shown by boring data hereon is of such nature as to indicate that jetting may be necessary to facilitate the driving of timber foundation piling. (See Specifications paragraph 81032)

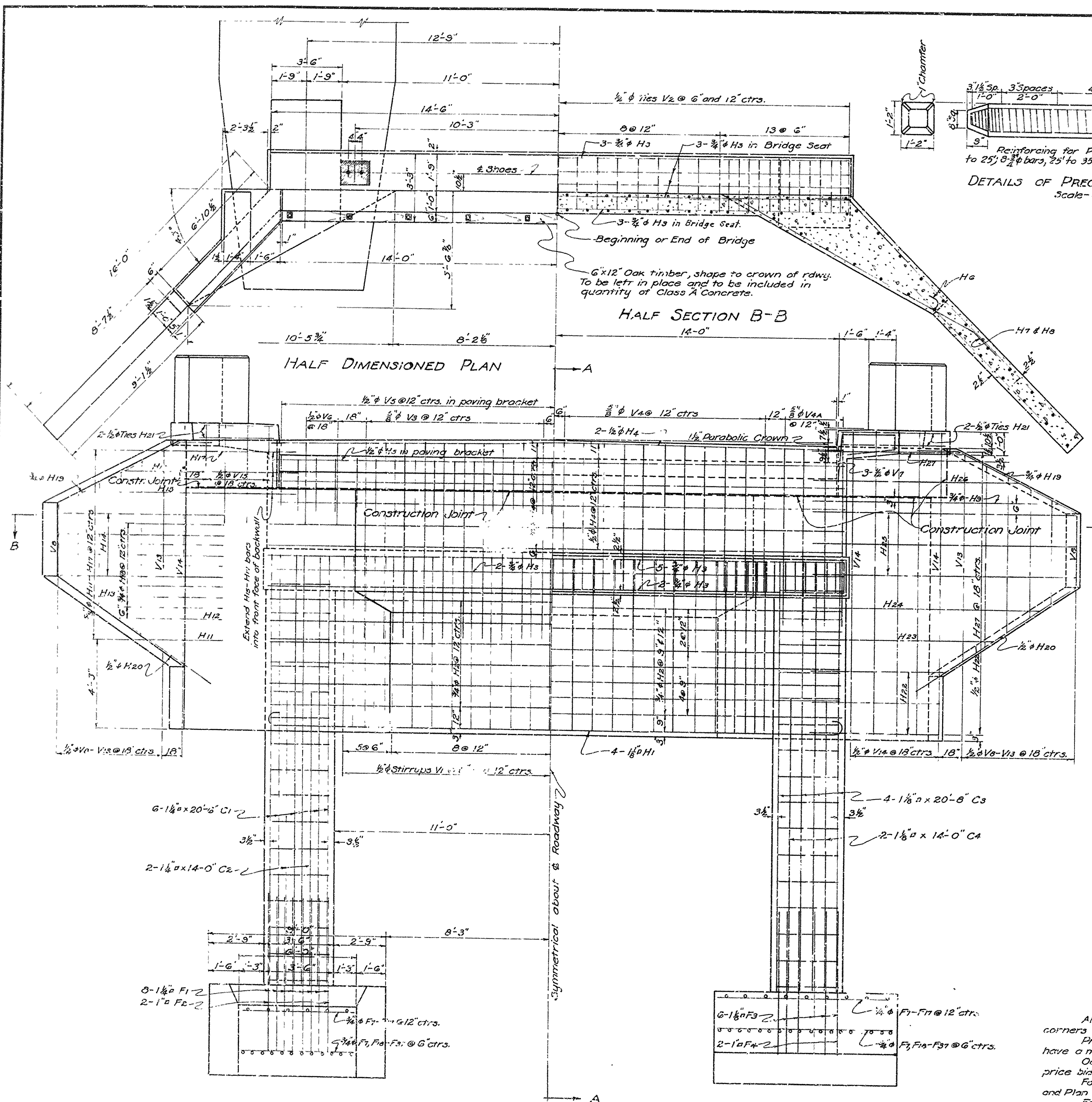
Revised: -Grade 5-24-41, H.F.B.
Foundations 6-16-41
Shif Construction Line
20' 1st Fl. 5-6-46 H.O.

LAYOUT
BRIDGE OVER LITTLE RED RIVER
SEARCY-JUDSONIA ROAD
WHITE COUNTY
ROUTE 67 SEC. 13

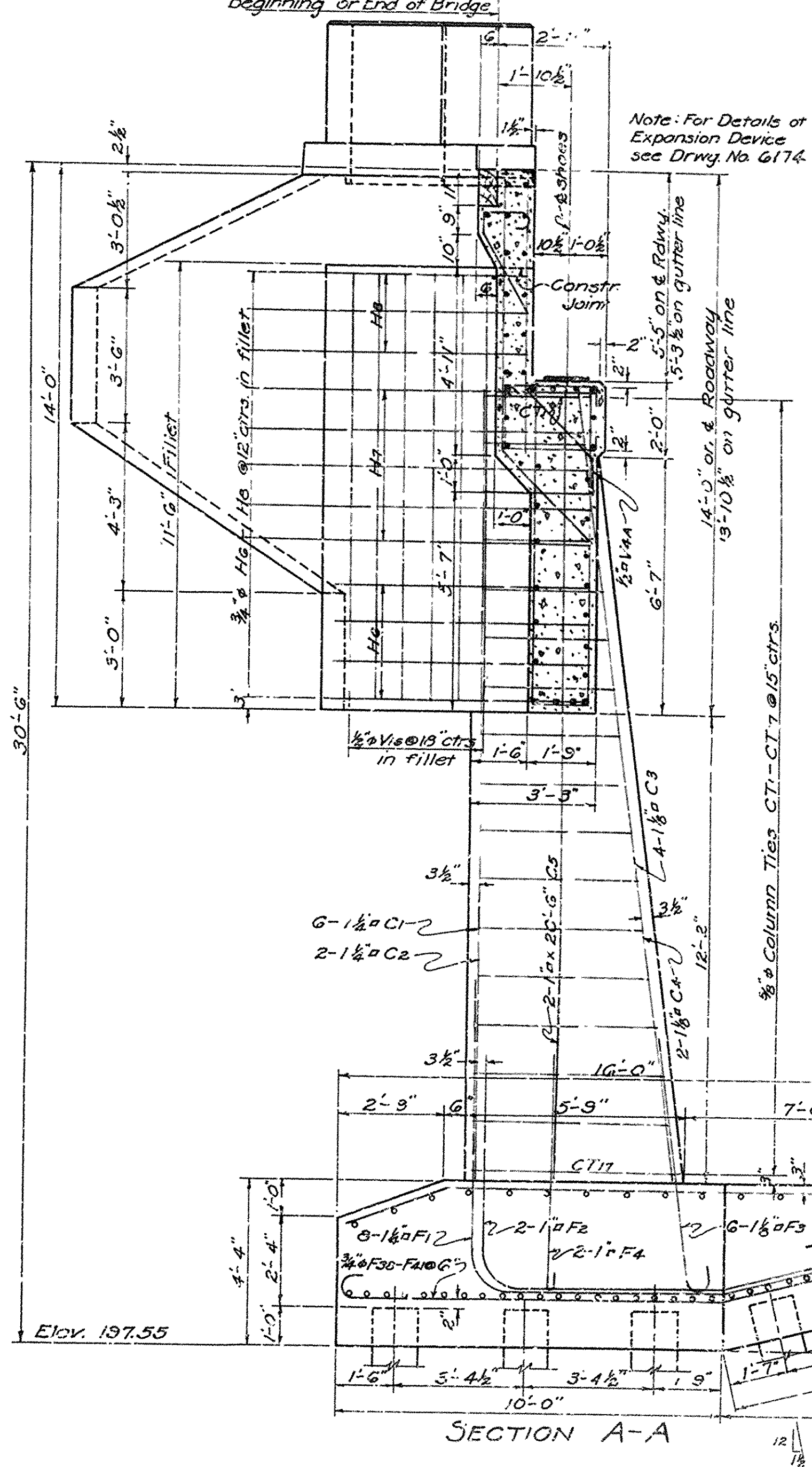
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Scale: 1/4" = 30'
Drawn By: M.W.H. Date: 5-22-41
Traced By: M.W.H. Date: 5-22-41
Checked By: _____ Date: _____
BRIDGE NO. 2202 DRAWING NO. G10

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

FED. ROAD DIST. NO.	STATE	F.P.P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARR.	F-63(6)	1941	4	17
STATE JOB NO. 5233					



DETAILS OF PRECAST CONCRETE PILE
Scale: 1/2" = 1'-0"



GENERAL NOTES
 All concrete to be Class A. All exposed corners to be chamfered 3/8" unless otherwise noted.
 Precast concrete piles to be Class S and to have a minimum capacity of 30 tons each.
 Oak headed bolts to be paid for at the unit price bid for Reinforcing Steel.
 For Bar List, Detail of Turnouts, Part Section A-A, and Plan of Footing see Drawing No. 6174-6178.
 For Details of Superstructure see Drawings No. 6174-6178.
 Specifications: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction adopted March 1, 1940.

SHEET NO. 1
 DETAILS OF ABUTMENTS
 BRIDGE OVER LITTLE RED RIVER
 SEARCY-JUDSONIA ROAD
 WHITE COUNTY
 ROUTE 67 SEC. 13
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: M.W.H. Date: 6-2-41
 Traced By: M.W.H. Date: 6-12-41
 Checked By: _____ Date: _____
 Scale: 1/2" = 1'-0"
 BRIDGE NO. 2202 DRAWING NO. 6171

M.W.H. ENGINEERS
 PROFESSIONAL HIGHWAY ENGINEERS (BRIDGE)

FED. ROAD DIST. NO.	STATE	F.A.P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
C	ARK.	F-63 (6)	1941	5	17
STATE JOB NO. 5233					

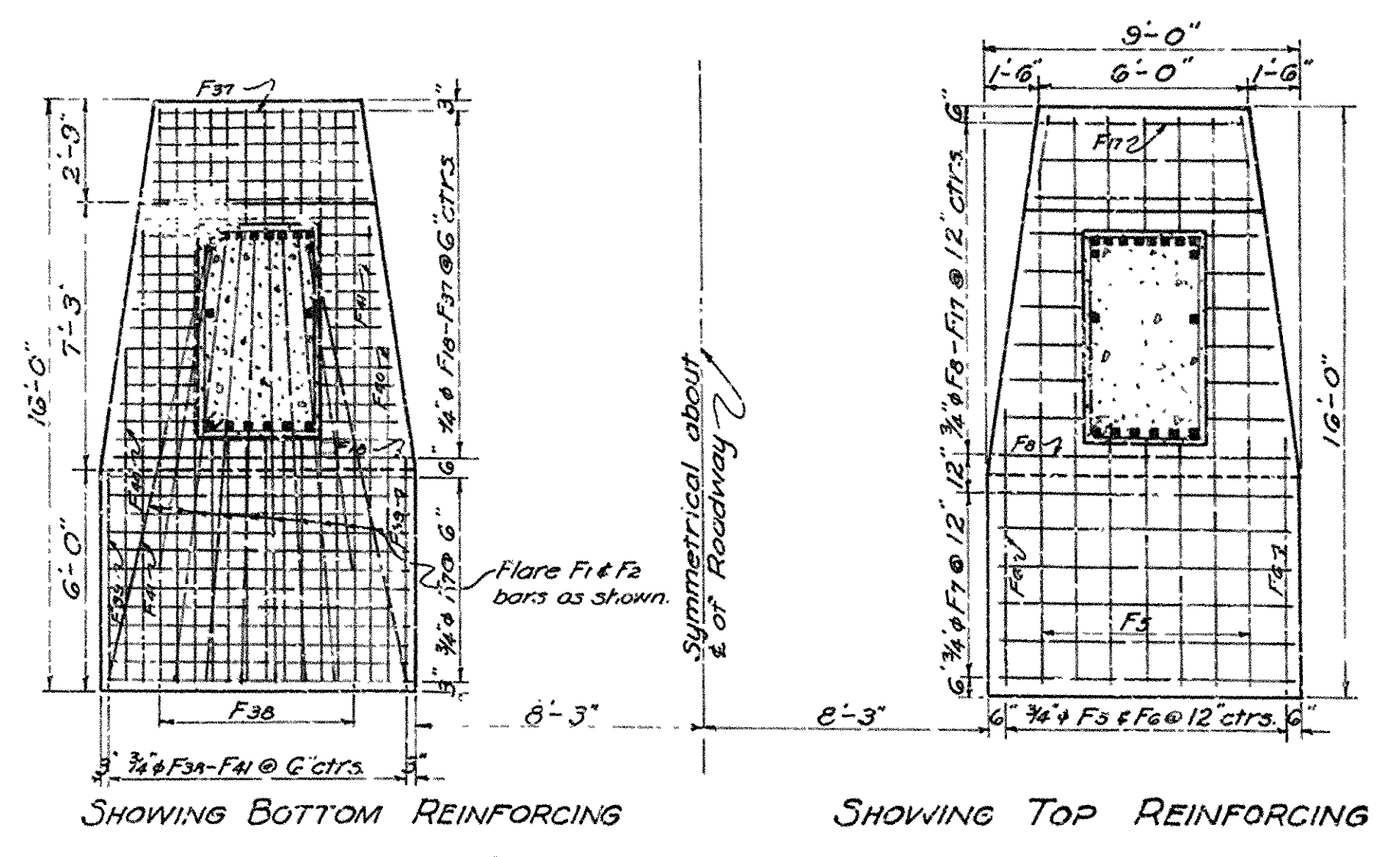
BAR LIST FOR ABUTMENTS

MARK	SIZE	LENGTH	A	B	BENDING DIAGRAM
F1	1 1/2"	21'-2"	8'-2 1/2"	5'-11"	6'-5 1/2"
F2	1"	16'-11"	7'-2"	3'-0"	6'-2"
F3	1 1/2"	7'-10"	6'-10"		
F4	1"	7'-5"	6'-5"		
F5	3/4"	15'-9"			
F38	3/4"	17'-2"	9'-9"		
F40	3/4"	10'-8"	3'-3"		
F41	3/4"	13'-11"	6'-6"		
F39	3/4"	7'-5"	5'-11"	0'-6"	
H1	1 1/2"	30'-7"	28'-7"	0'-8"	
CT1	5/8"	Varies from 12'-2" to 17'-6"	Varies from 2'-7 1/2" to 2'-7 1/2"	3'-1"	
CT17	5/8"				
V2	1/2"	9'-1"	2'-5 1/2"	1'-8 1/2"	
H6	3/4"	18'-9"			
H7	3/4"	22'-9"	17'-3"		
H8	3/4"	18'-3"	13'-3"		
H9	3/4"	17'-0"	14'-6"	2'-6"	
H15	3/4"	16'-9"	14'-9"	2'-0"	
H16	3/4"	14'-0"	12'-0"	2'-0"	
H17	3/4"	11'-3"	9'-3"	2'-0"	
H22	1/2"	8'-5"	6'-9"	1'-8"	
H23	1/2"	13'-2"	10'-6"	1'-8"	
H24	1/2"	15'-5"	13'-9"	1'-8"	
H25	1/2"	17'-6"	15'-10"	1'-8"	
H26	1/2"	13'-3"	11'-7"	1'-8"	
H27	1/2"	9'-0"	7'-4"	1'-8"	
V3	3/8"	10'-3"	7'-1"	3'-2"	
H19	3/4"	12'-0"			
H21	3/4"	17'-1"			
V1	1/2"	18'-8"			
V4A	3/4"	11'-3"			
V5	1/2"	4'-0"			
V7	1/2"	8'-0"			
F6	3/4"	7'-8"			
F7	3/4"	8'-6"			
F8	3/4"	Varies from 6'-4" to 5'-8"			
F17	3/4"				
F18	3/4"	Varies from 8'-5" to 5'-7"			
F35	3/4"				
C1	1 1/2"	20'-6"			
C2	1 1/2"	14'-0"			
C3	1 1/2"	20'-8"			
C4	1 1/2"	14'-0"			
C5	1"	20'-6"			
H2	3/4"	28'-7"			
H3	3/4"	28'-11"			
H4	3/4"	28'-7"			
H5	3/4"	27'-7"			
H11	3/4"	5'-5"			
H12	3/4"	7'-7"			
H13	3/4"	9'-9"			
H14	3/4"	11'-11"			
H18	3/4"	6'-3"			
H20	3/4"	12'-3"			
V4	3/4"	7'-0"			
V6	3/4"	4'-0"			
V8	3/4"	Varies from 3'-3" to 9'-3"			
V14	3/4"	14'-2"			
V15	3/4"	4'-9"			
V16	3/4"	11'-0"			

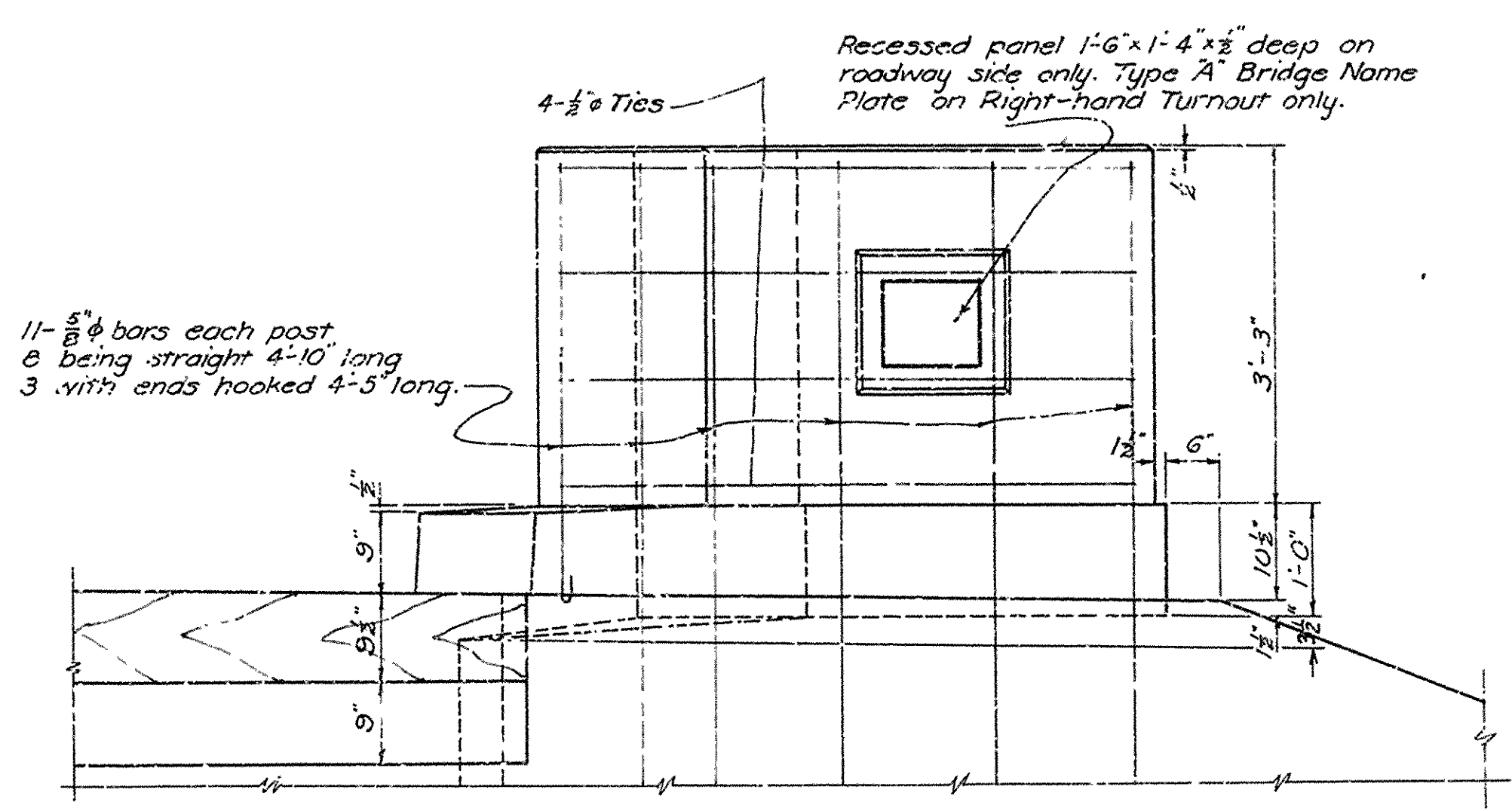
Note: Dimensions relating to reinforcing are to centers of bars.

Vertical Bars

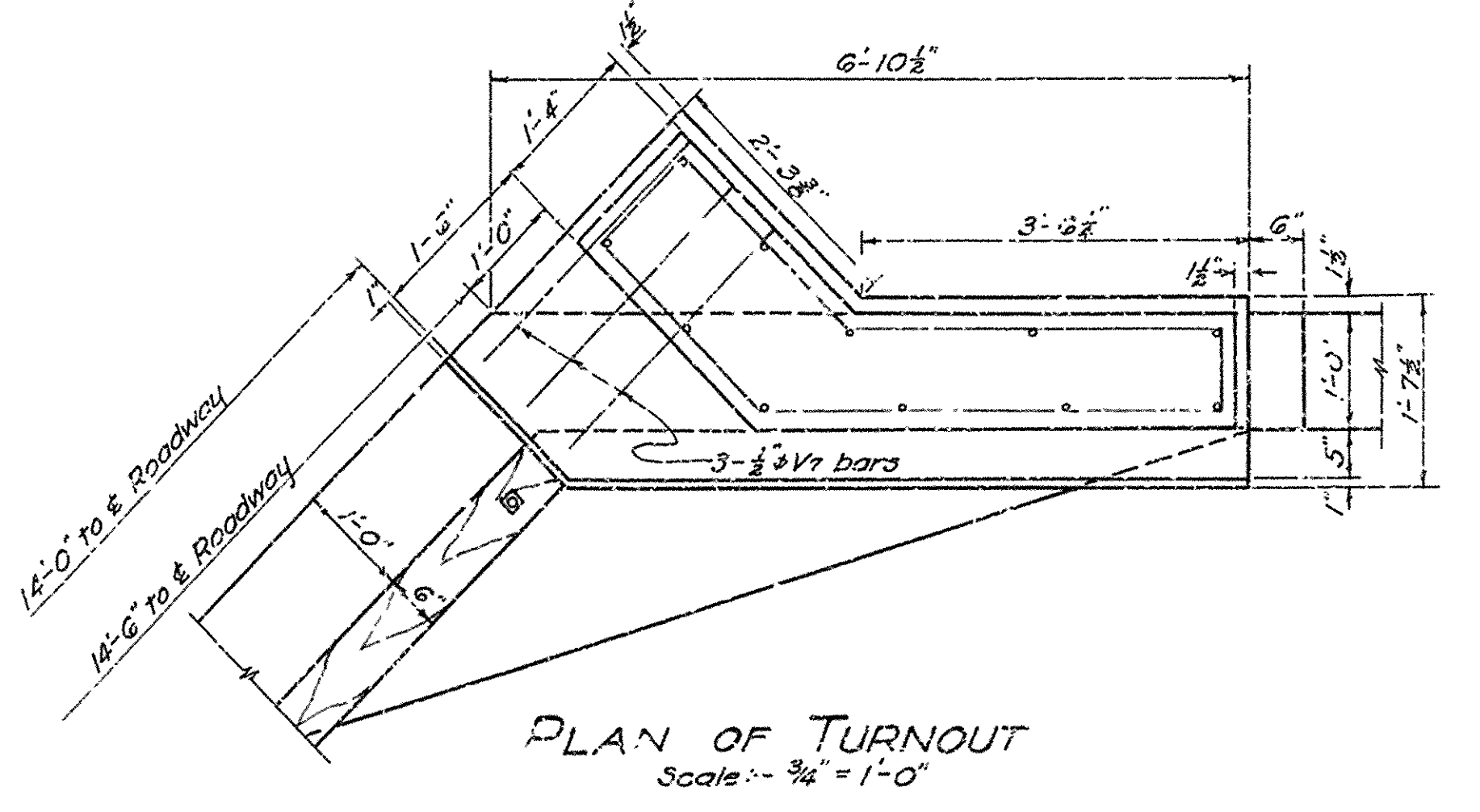
Straight Bars



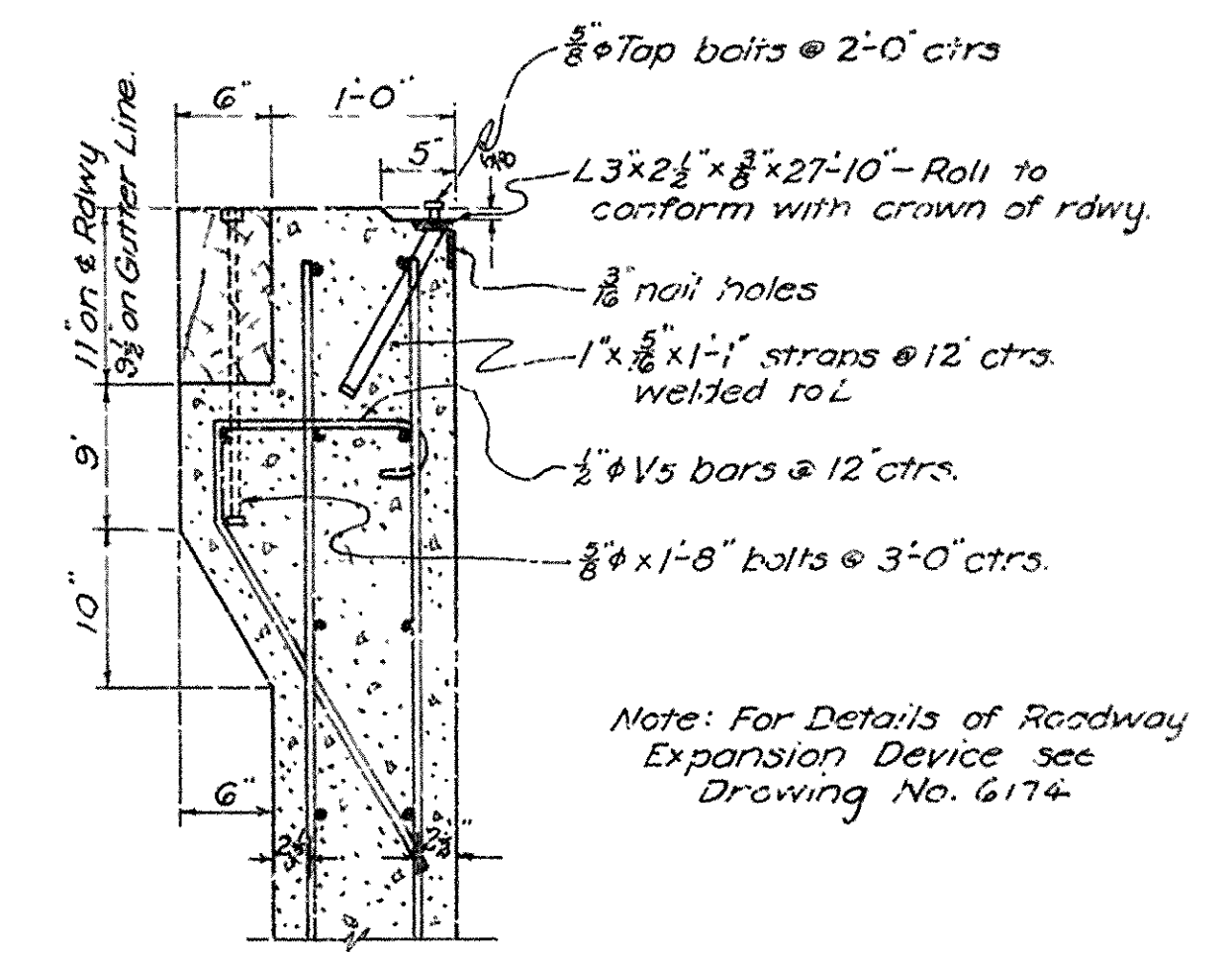
PLAN OF FOOTING
Scale: 1/4" = 1'-0"



ELEVATION OF TURNOUT
Scale: 1/4" = 1'-0"



PLAN OF TURNOUT
Scale: 3/4" = 1'-0"



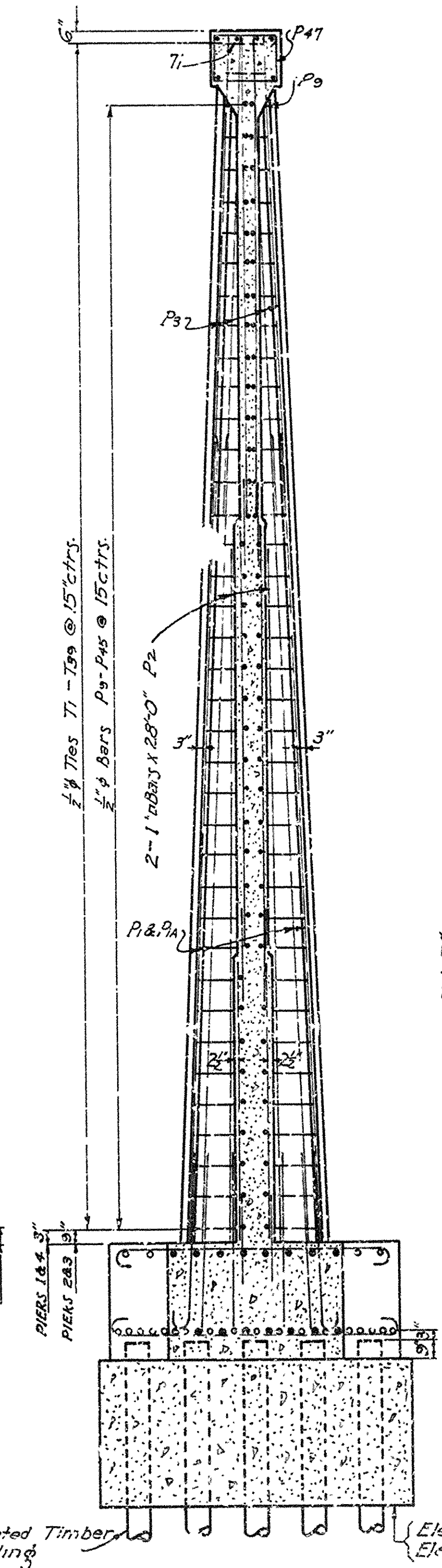
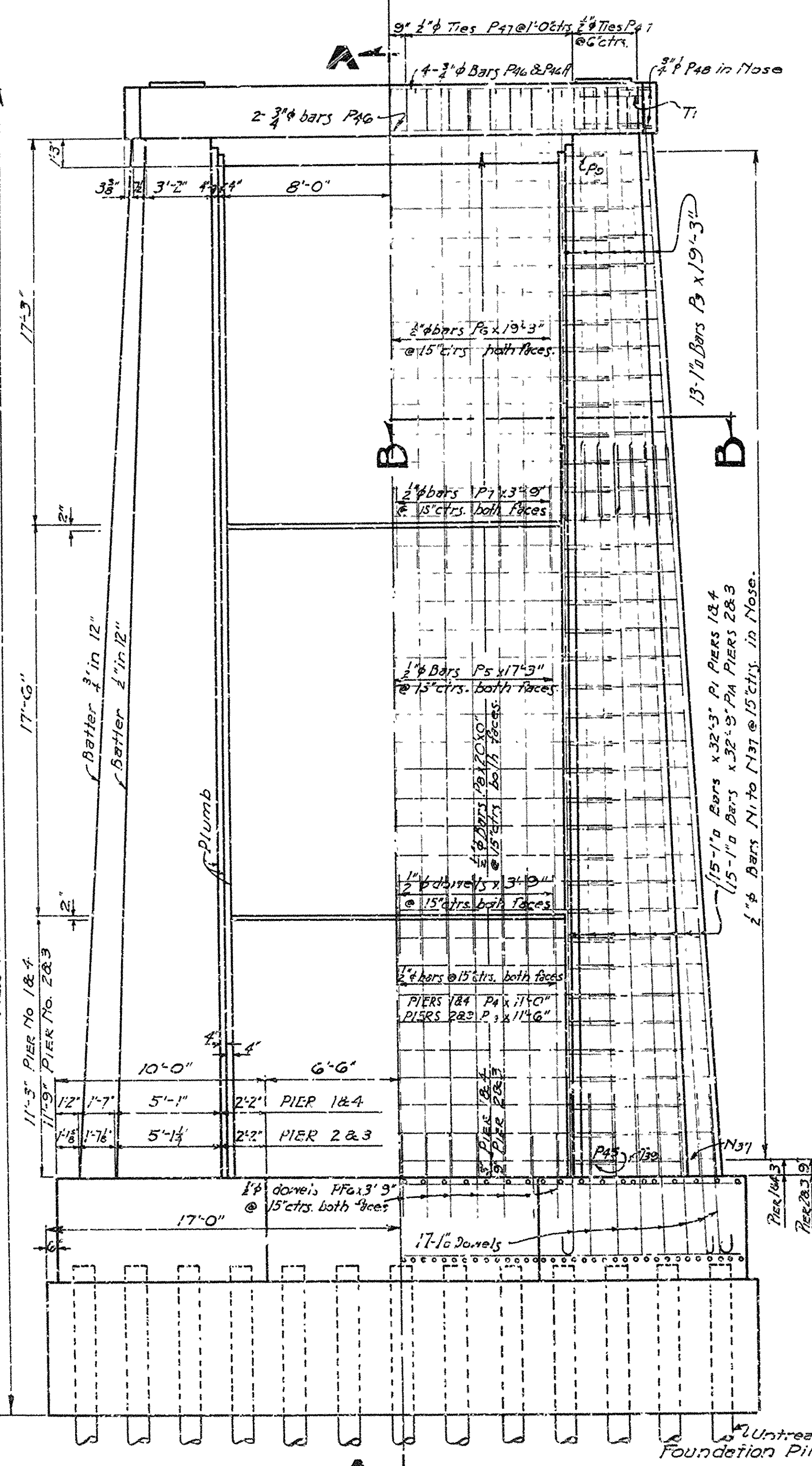
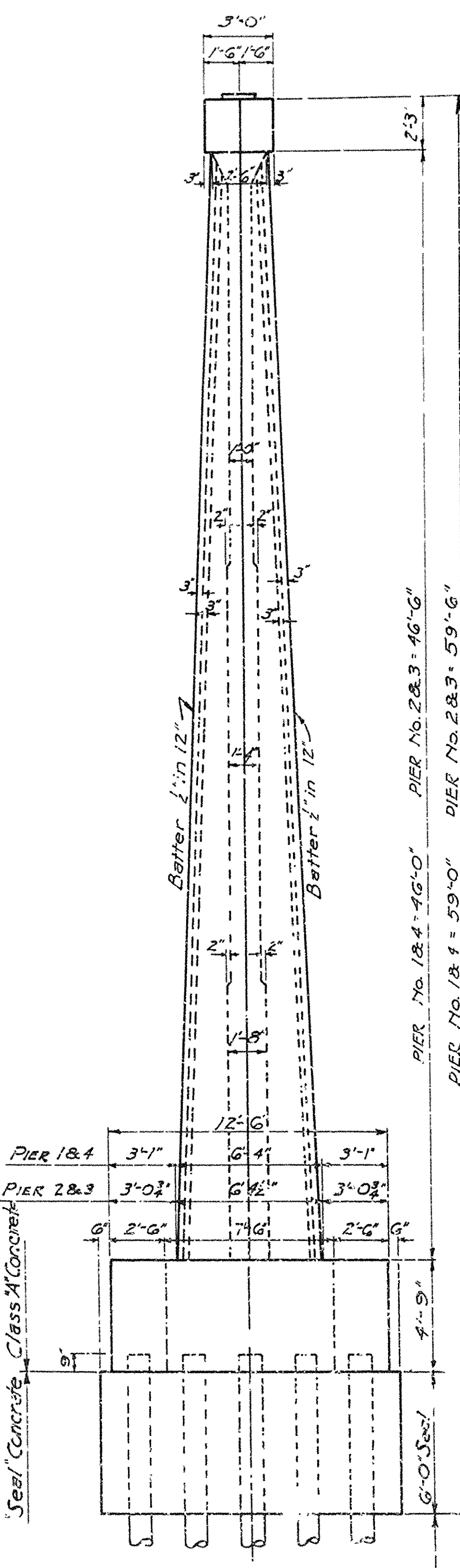
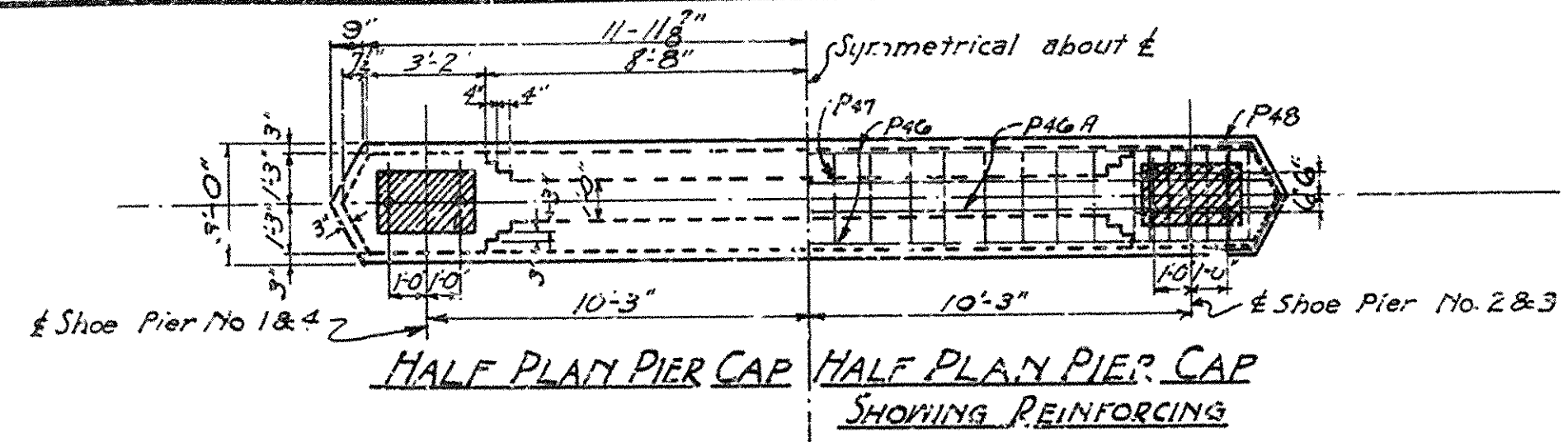
PART SECTION A-A
Scale: 1" = 1'-0"

GENERAL NOTES:
For General Notes see Drwg. No. G171

SHEET NO. 2
DETAIL OF ABUTMENTS
BRIDGE OVER LITTLE RED RIVER
SEARCY-JUDSONIA ROAD
WHITE COUNTY
ROUTE 67 SEC. 13
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: M.W.H. Date: 6-9-41
Traced By: M.W.H. Date: 6-11-41
Checked By: _____ Date: _____
BRIDGE NO. 2202 DRAWING NO. G172

Principal Highway Engineer (Grade)

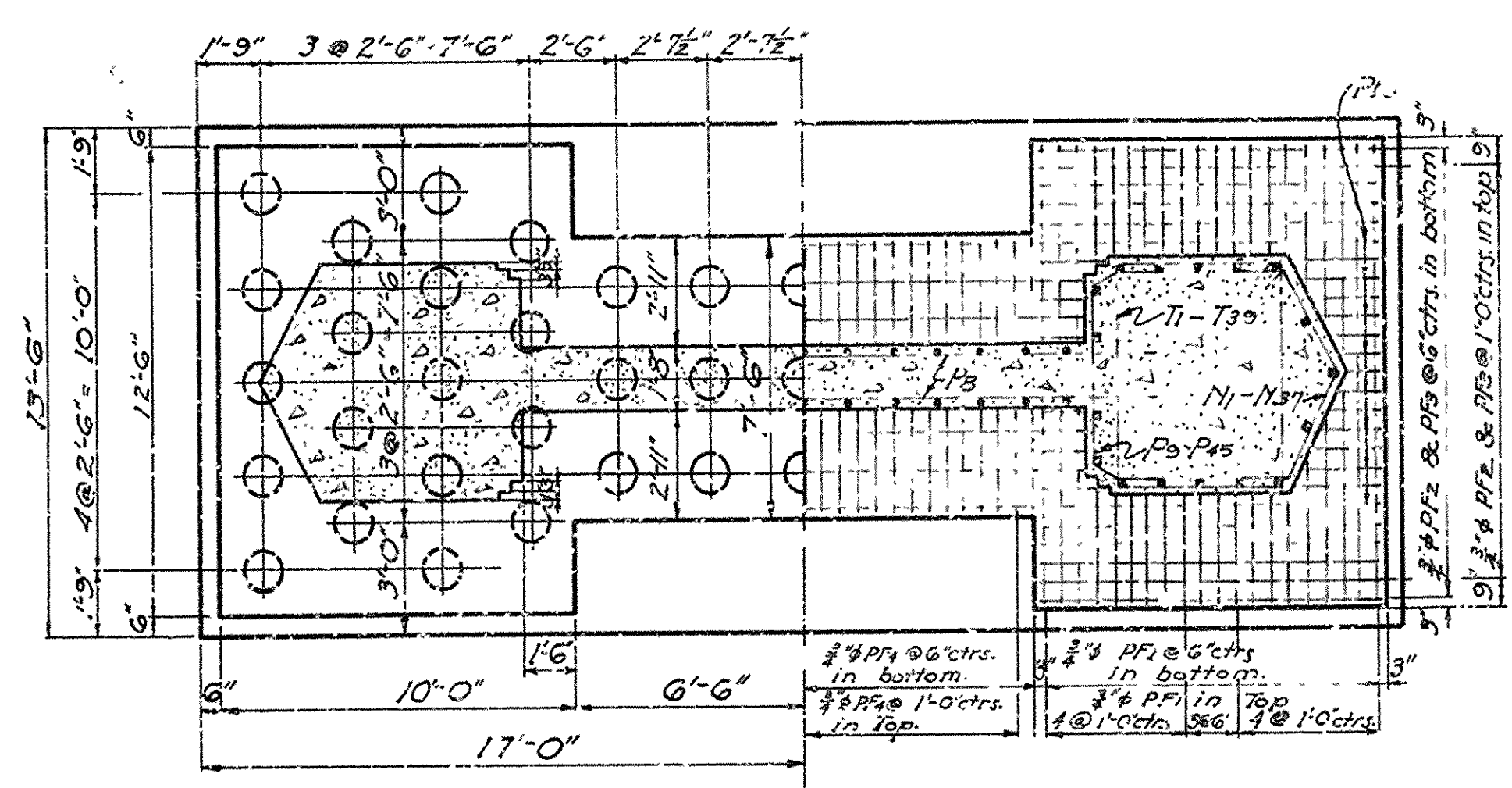
REG. ROAD DIST. NO.	STATE	F. & P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63 (6)	1941	6	17
STATE JOB NO. 5233					



LIST OF BENT BARS

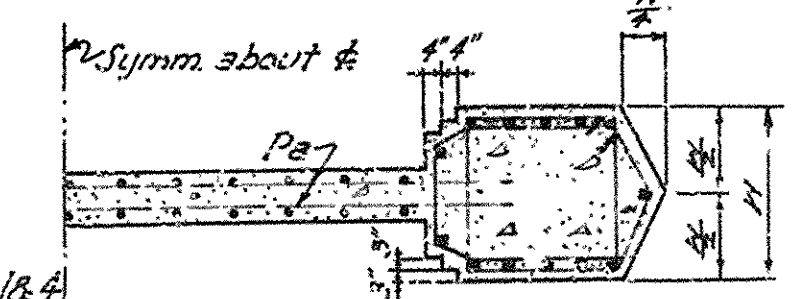
MARK	SIZE	LENGTH	BENDING DIAGRAM
PF1	3/4" φ	15'-7"	
PF3	1" φ	8'-3"	
P9 to P45	1/2" φ	Varies 5'-8 1/2" to 9'-5 1/2"	
T1 to T39	1/2" φ	Varies 10'-8 1/2" to 22'-1"	
N1 to N51	1/2" φ	Varies 5'-8" to 9'-10 1/2"	
P47	1/2" φ	9'-10"	
P48	3/4" φ	7'-10"	

GENERAL NOTES
 All concrete above "Seal" to be Class "A" as noted. All exposed corners shall be chamfered unless otherwise noted. Dimensions relating to reinforcing are to center of bars. Volume occupied by piling shall not be included in the quantity for payment of concrete. For details of superstructure, see Drawing Nos. G174-G178.



HALF FOOTING PLAN SHOWING PILE SPACING

HALF FOOTING PLAN SHOWING REINFORCING



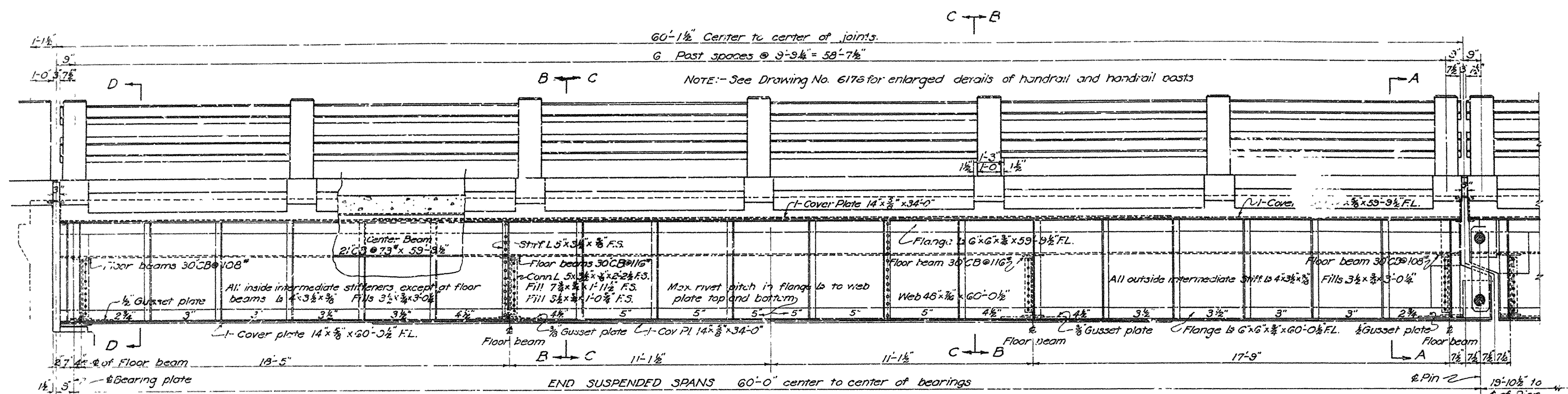
HALF SECTION B-B

DETAILS OF PIERS
BRIDGE OVER LITTLE RED RIVER
SEARCY-JUDSONIA ROAD
WHITE COUNTY
 ROUTE 67 SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: *W.B.* Date: 6-12-41
 Traced By: *W.B.* Date: 6-25-41
 Checked By: *W.B.* Date: _____
 BRIDGE NO. 2202 DRAWING NO. 6113

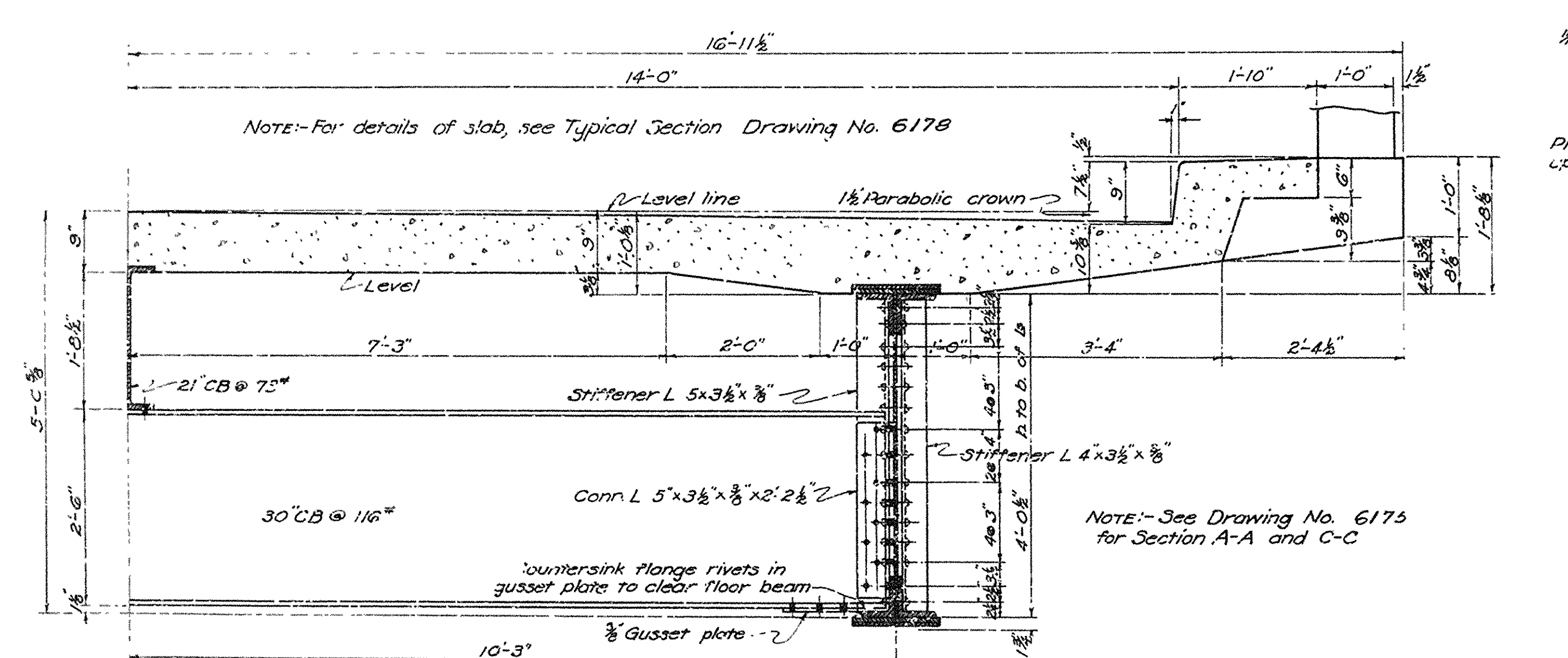
NOTE:
 Thickness of "Seal" shown is based on Water Level elev. 133.8. Actual thickness required shall be determined by Water level at time of construction.

FED. ROAD DIST. NO.	STATE	F.R.P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63 (6)	1931	7	17
STATE JOB NO 5233					

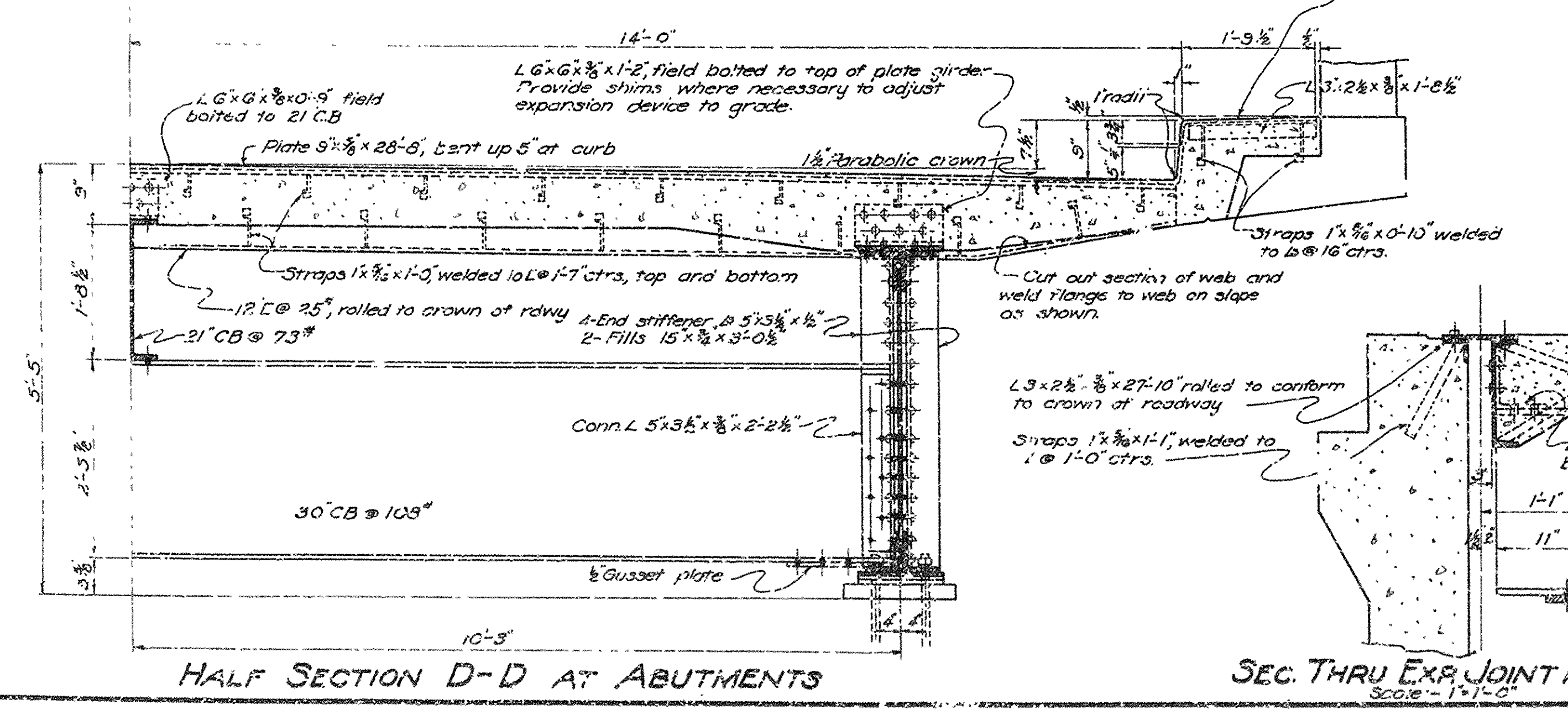


SIDE ELEVATION OF END SUSPENDED SPANS
Scale: 1/8" = 1'-0"
END SUSPENDED SPANS 60'-0" center to center of bearings

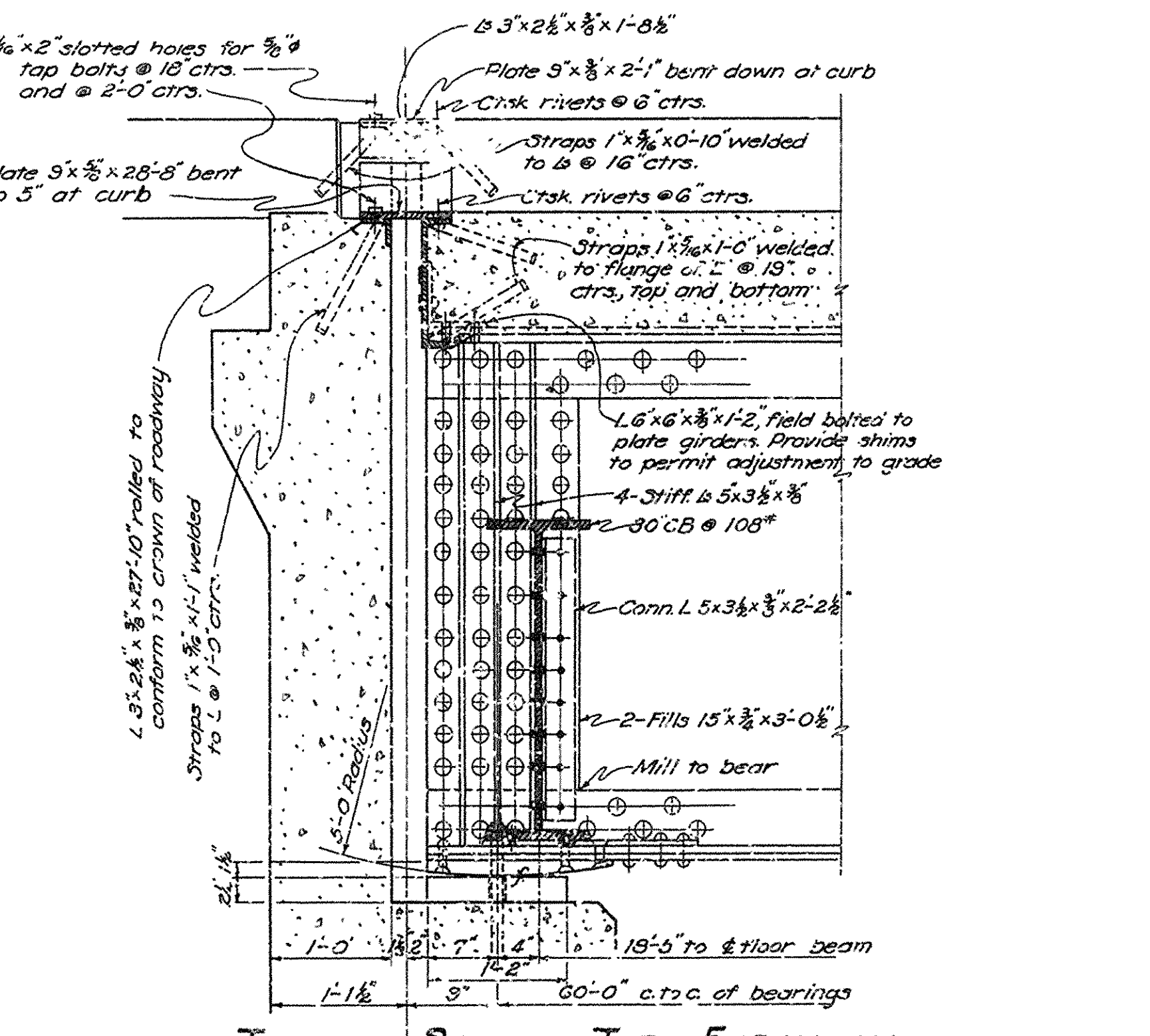
ABUT No 1 OR No 2
NOTE: Stress Diagram for End Suspended Span is similar to Stress Diagram for Center Suspended Span



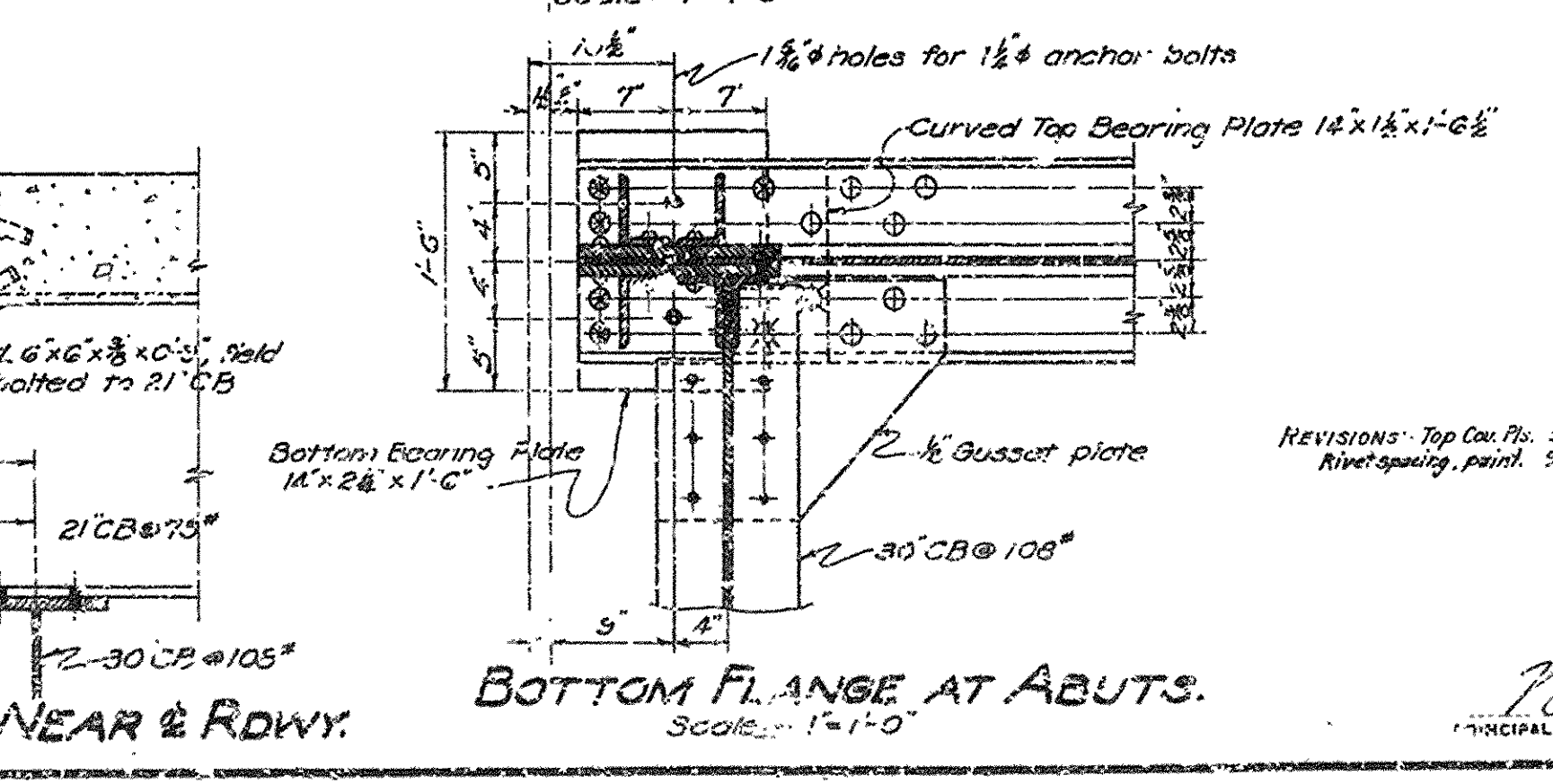
HALF SECTION B-B



HALF SECTION D-D AT ABUTMENTS



TYPICAL SECTION THRU EXPANSION JOINT AT ABUTMENTS
Scale: 1/4" = 1'-0"



BOTTOM FLANGE AT ABUTS.
Scale: 1/4" = 1'-0"

GENERAL NOTES FOR CANTILEVER SPANS

All concrete to be Class S. All exposed corners to have 3/4" chamfers unless otherwise noted.
 The concrete deck and sidewalk is to be poured in accordance with schedule shown on plans. Pours having the same number may be poured separately or at the same time.
 Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.
 All field connections to be riveted unless otherwise noted.
 Rivets 3/4". Open holes 1/2". Use turned bolts where indicated, otherwise use machine bolts where bolts are specified.
 Floor beams are to be subpunched 3/4" and reamed to size thru a metal template.
 End of all stiffener angles shall be ground to bear against beam flanges.
 All shop weld connections shall be made by the electric arc process. All welds to be 3/16" fillet welds unless otherwise noted.
 Shapes of equal or greater strength may be substituted for structural shapes shown but payment will be made on shapes shown or actually used whichever is the lesser.
 Cast iron drains to be paid for as "reinforcing steel" and to be painted the same as "structural steel."
 All shoes are to be cast steel and bearing plates are to be structural steel. All shoes shall be field bolted to girders with 1/2" turned bolts.
 Masonry plates shall be finally set 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.
 Shop Paint: All structural and cast 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. 2nd coat, aluminum paint.
 This drawing shows general features of design only. Shop drawings shall be made in accordance with the specifications submitted and approved before fabrication is begun.
 For General Plan of Cantilever Spans showing location of expansion joints, construction joints, girders, floor beams, and drains see Drawing No. 6177
 For Typical Section of Roadway and Sidewalk, Bar List, and Slab Pouring Schedule, see Drawing No. 6178
 For other details of superstructure see Drawing No. 6175 6176, 6177, 6178.
 SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, adopted March 1, 1940.

CAMBER NOTE FOR MAIN GIRDERS

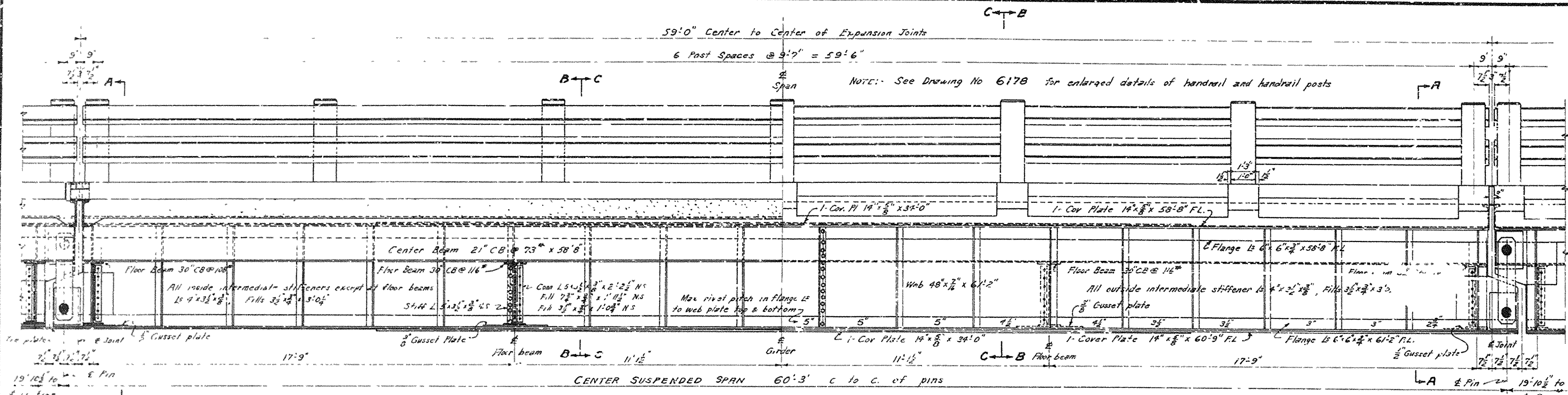
To provide for deflection due to dead load and vertical curve camber the main girders of all suspended spans shall be fabricated with a camber of 3/8" at mid-span and 1/4" at the quarter points of span, and the top flange angles of all main girders of the cantilever spans shall be fabricated on a straight line from expansion joint to expansion joint.

**DETAILS OF END SUSPENDED SPANS
60'-0" DECK PLATE GIRDER
BRIDGE OVER LITTLE RED RIVER
SEARCY-JUDSONIA ROAD
WHITE COUNTY
ROUTE 67 SEC. 13**

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: W.C.H. Date: 5-20-41
Traced By: M.W.H. Date: 6-17-41
Checked By: Date:
BRIDGE NO. 2202 DRAWING NO. 6174

REVISIONS: Top Cor. Pts. 5-22-44 W.C.H.
Rivet spacing, paint. 9-21-44 W.C.H.

FED. ROAD DIST. NO.	STA. I.	F.P.P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63(6)	1941	8	17
STATE JOB NO. 5233					

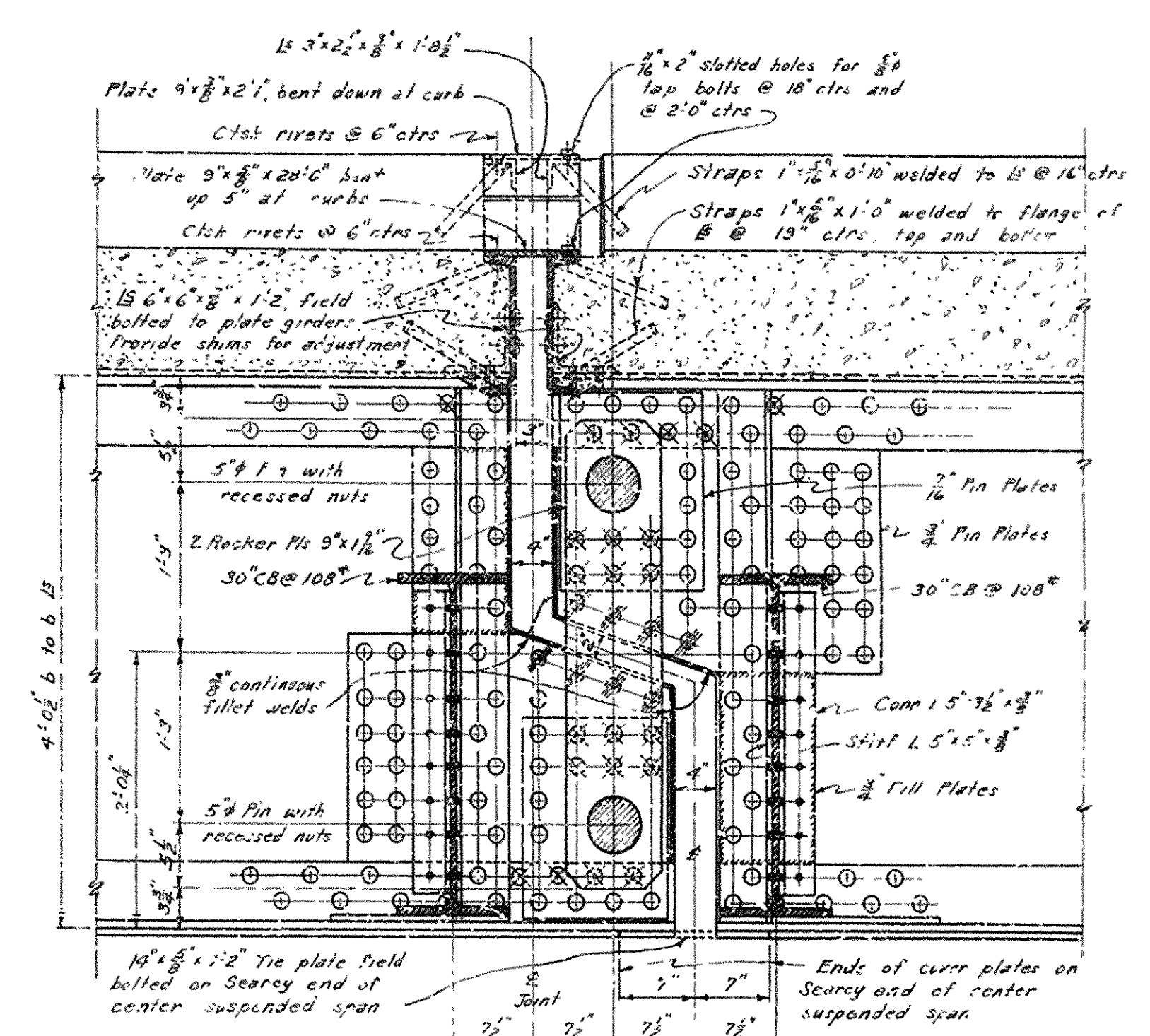


HALF LONGITUDINAL SECTION NEAR E OF ROADWAY

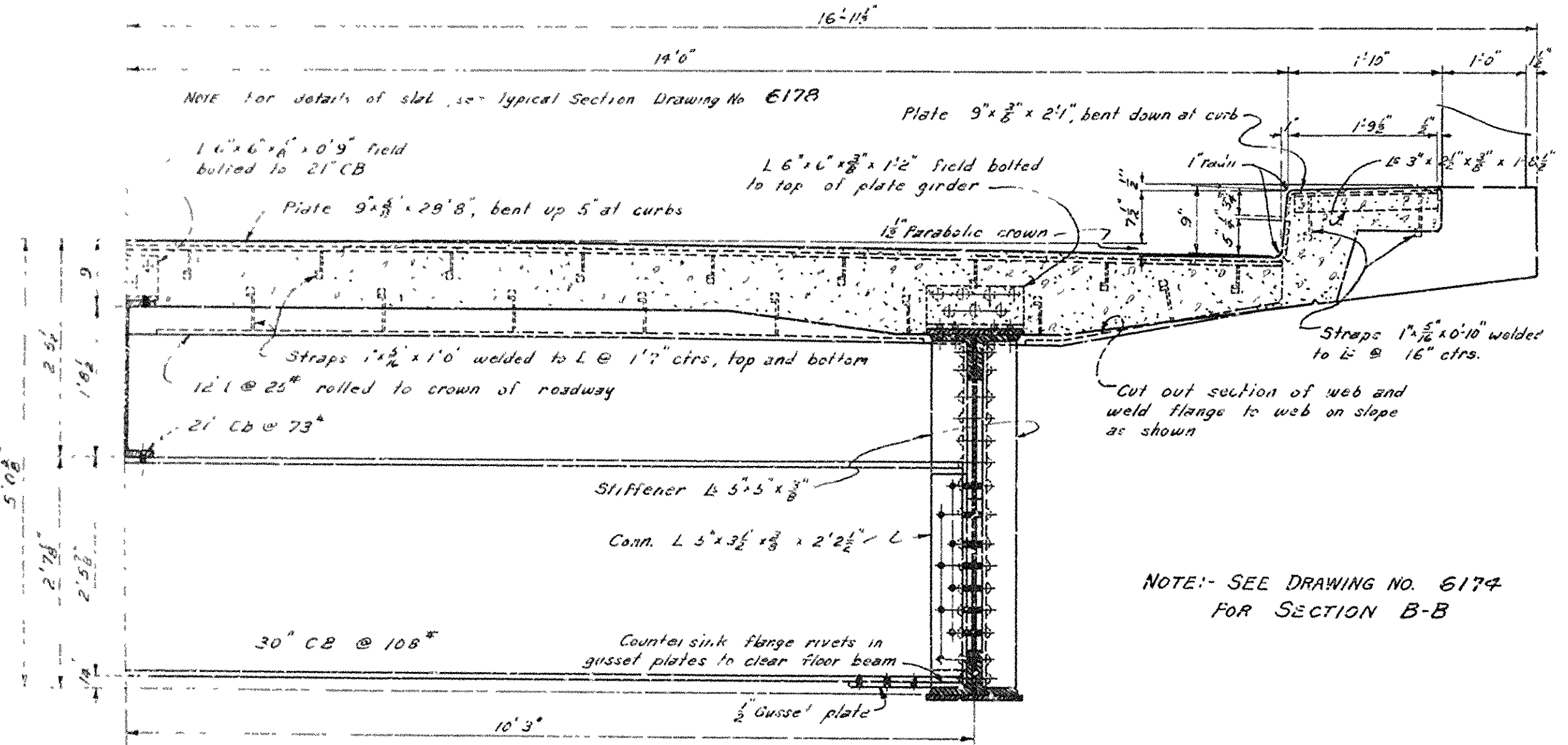
CENTER SUSPENDED SPAN

HALF OUTSIDE ELEVATION

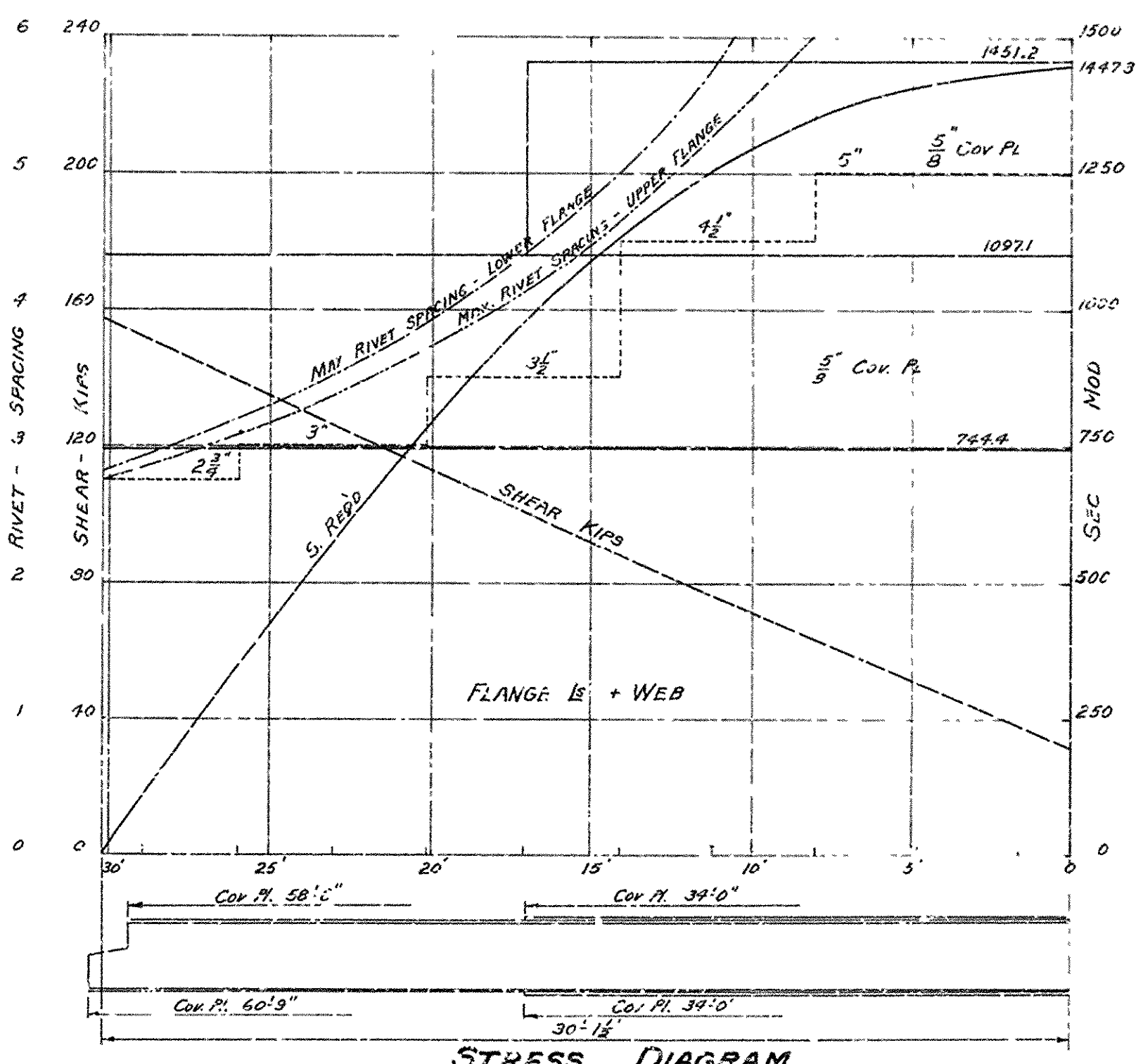
NOTE: Countersink one or more flange rivets under stiffener and connecting angles to obtain the desired pitch.



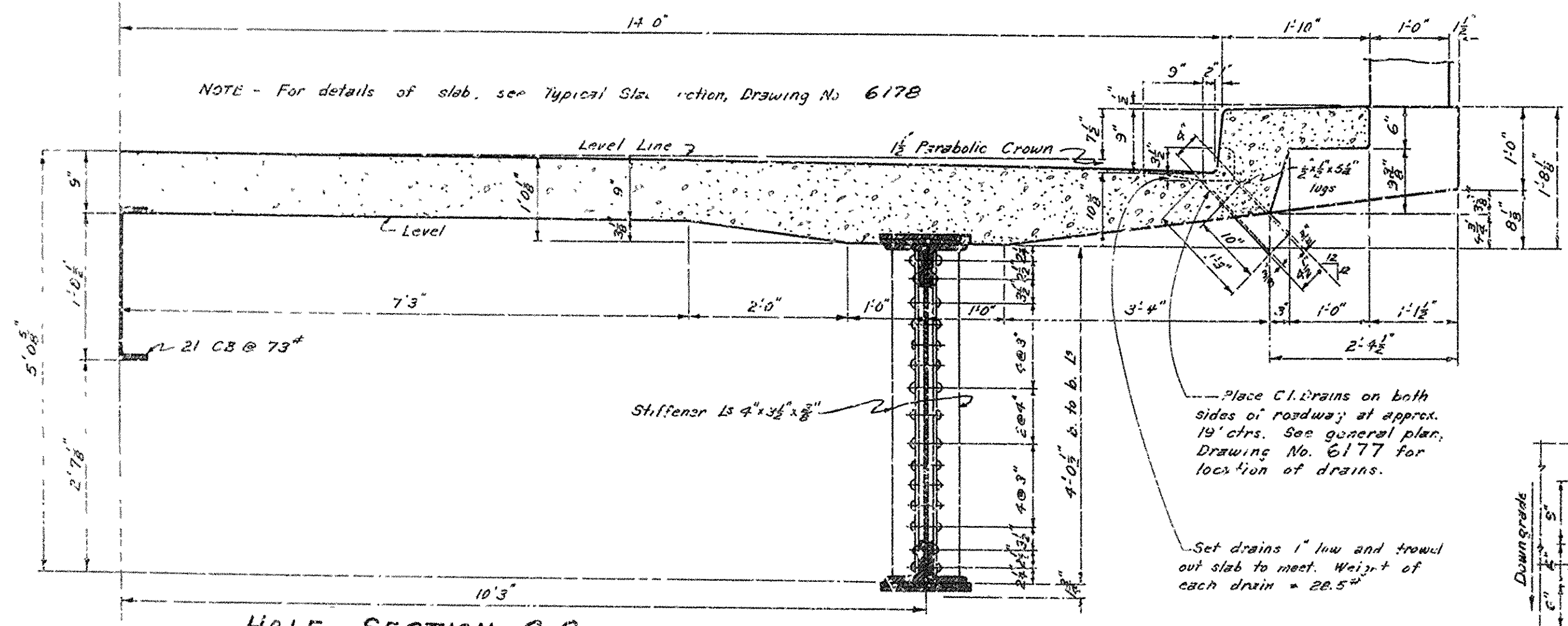
TYPICAL SECTION THRU EXPANSION JOINT SHOWING ROCKER CONNECTION



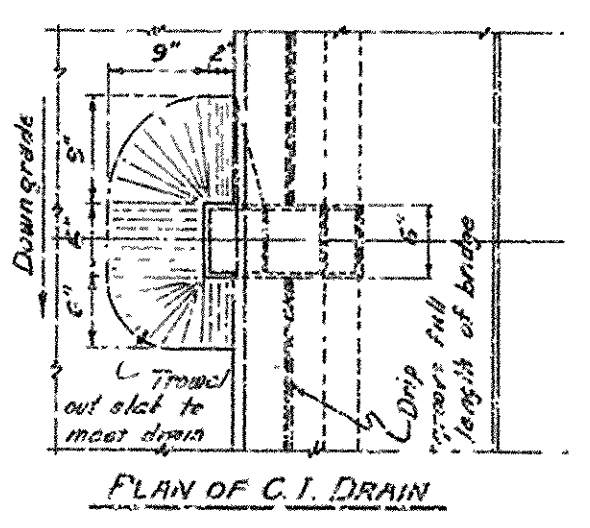
HALF SECTION A-A



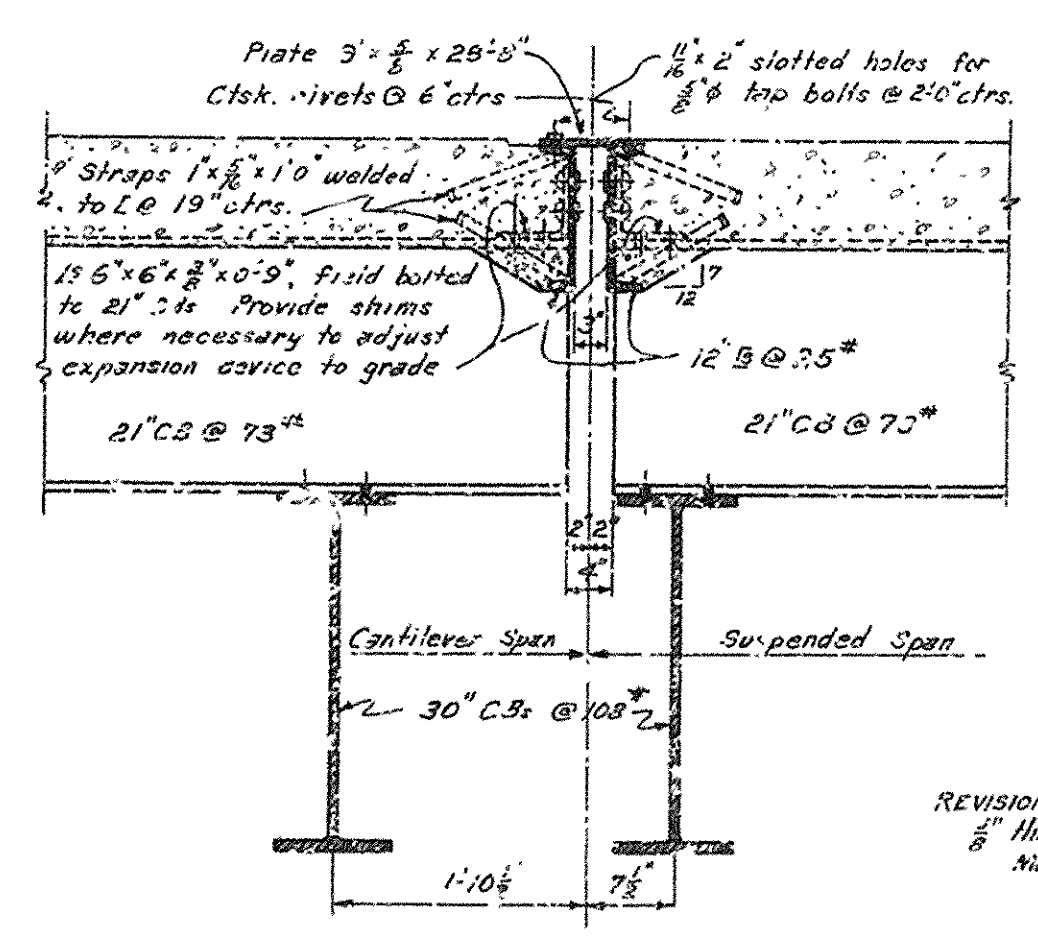
STRESS DIAGRAM



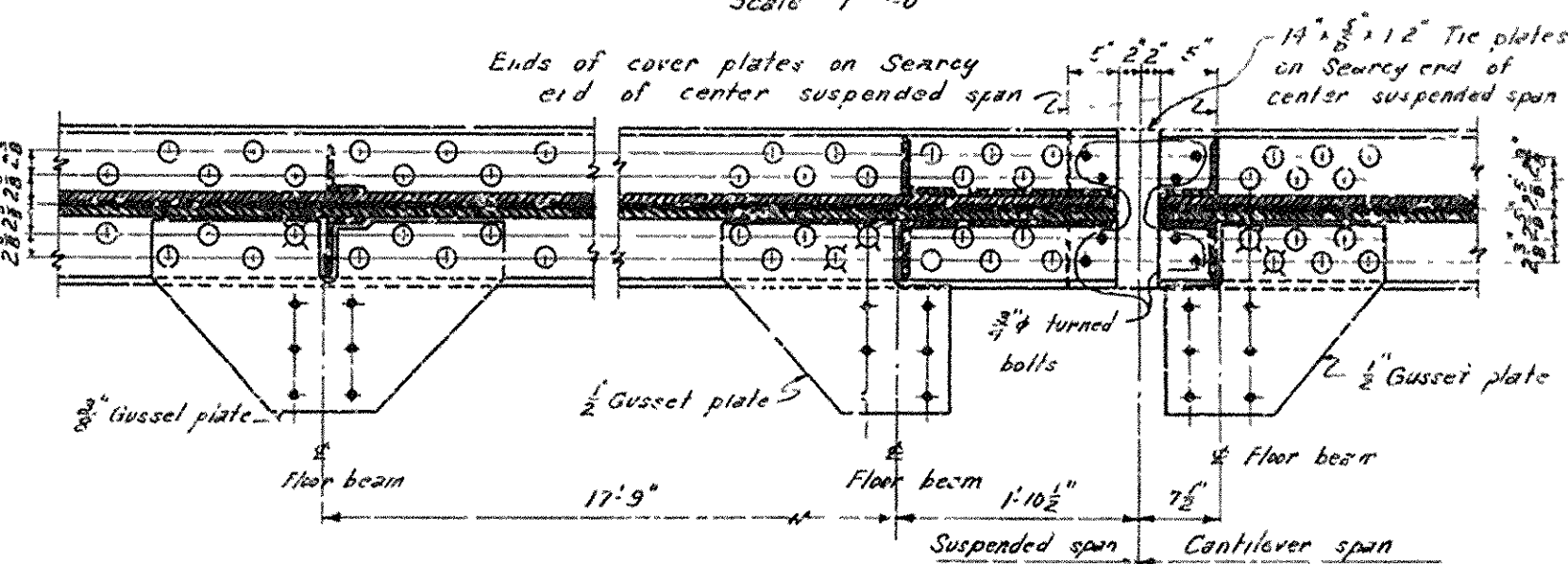
HALF SECTION C-C



PLAN OF C.I. DRAIN



SECTION THRU EXPANSION JOINT NEAR CENTER GIRDER



BOTTOM FLANGE - SHOWING GUSSET PLATE CONNECTIONS

GENERAL NOTES

See Drawing No. 6174 for "General Notes for Cantilever Spans". For other details of superstructure see Drawing Nos. 6174, 6176, 6177, and 617B.

DETAILS OF CENTER SUSPENDED SPAN
 60'-3" DECK PLATE GIRDER
 BRIDGE OVER LITTLE RED RIVER
 SEARCY-JUDSONIA ROAD
 WHITE COUNTY
 ROUTE 67 SEC. 13

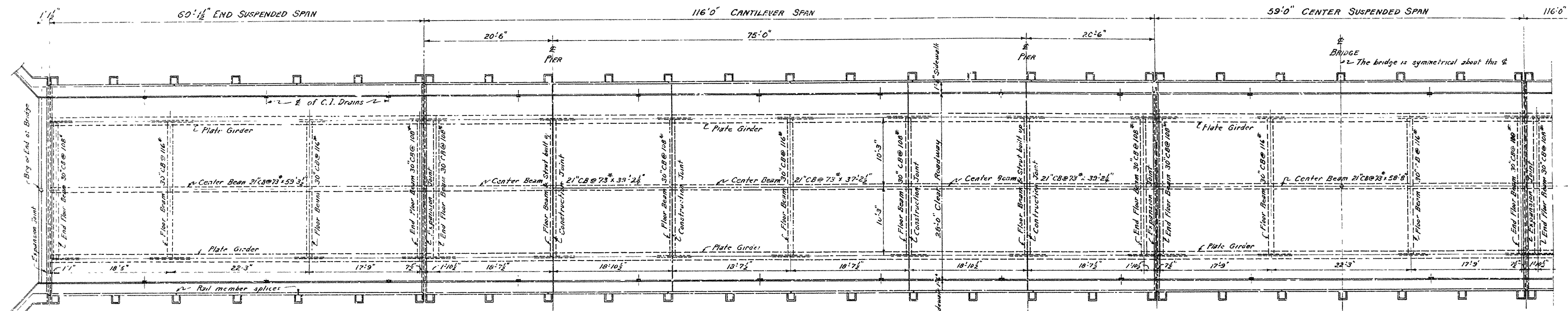
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: W.C.H. Date: 5-26-41
 Traced By: W.C.H. Date: 6-29-41
 Checked By: _____ Date: _____
 BRIDGE NO. 2202 DRAWING NO. 5175

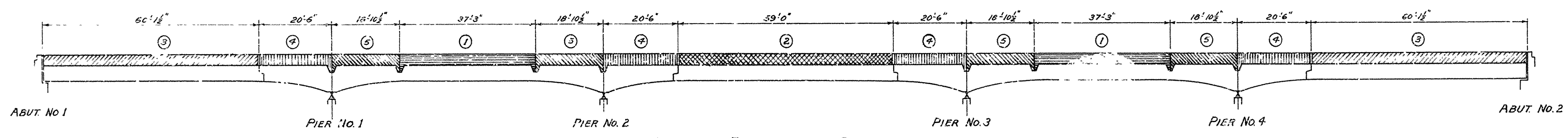
REVISIONS - Top cover plates increased to 5/8" thickness. 4-5-45 W.C.H.
 Rivet spacing, 9-21-46, W.C.H.

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

FED. ROAD DIST. NO.	STATE	F. & P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63 (5)	4-1	10	17
STATE JOB NO. 52.33					



PART GENERAL PLAN OF BRIDGE NO. 2202 - SHOWING LOCATION OF EXPANSION JOINTS, CONSTRUCTION JOINTS, GIRDERS, FLOOR BEAMS, AND DRAINS
Scale: 1/8" = 1'-0"



SLAB CONSTRUCTION NOTES

Slab pours are to be made as scheduled by number above. Pours bearing the same number may be made separately or simultaneously. All pours in the individual sections over 20' in length are to be made so as to keep the load symmetrical about the center of the pour.

DESIGN LIVE LOAD - H-20 LOADING
WIDTH OF LANE = 10 FEET

LOAD DISTRIBUTION TO GIRDERS

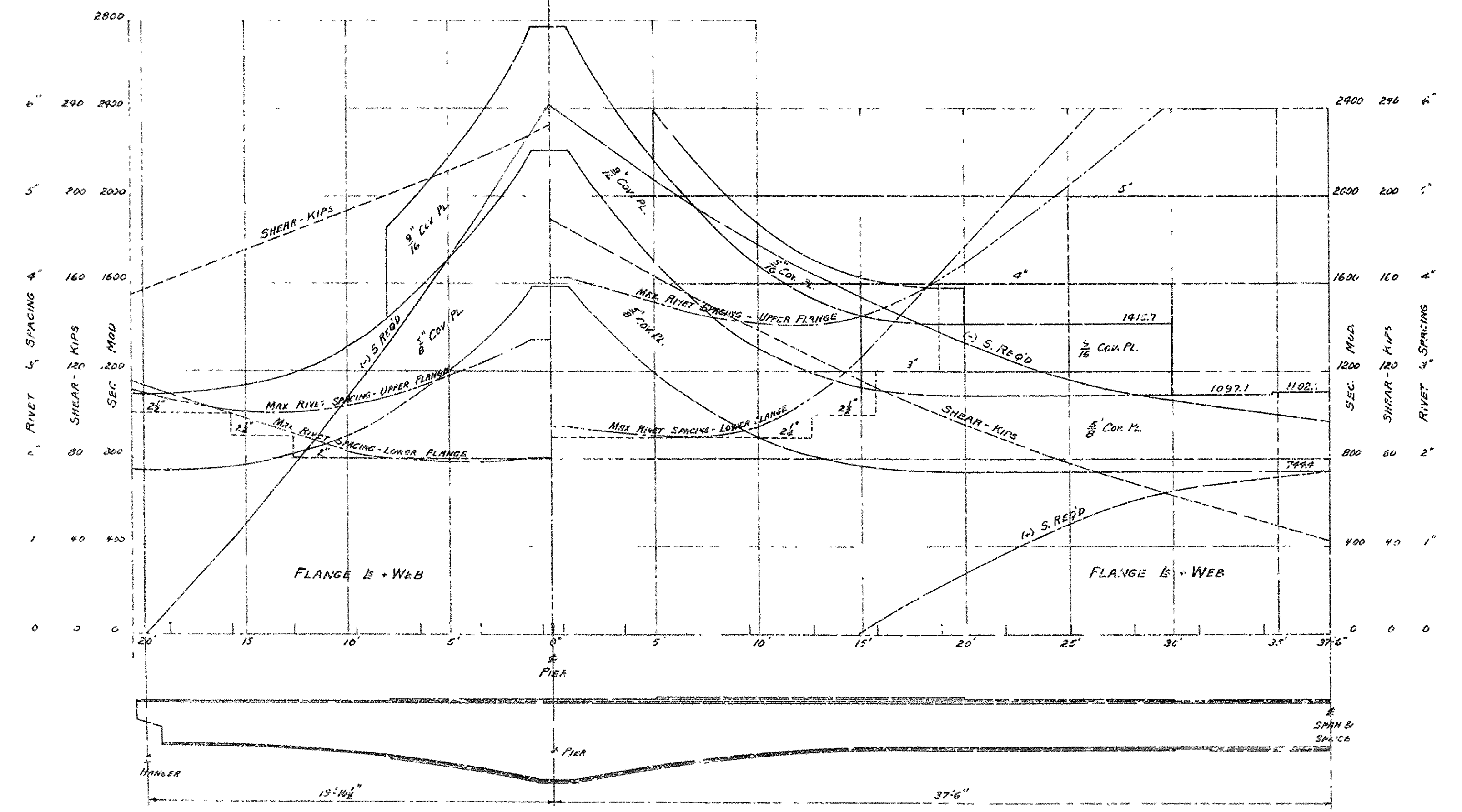
	CENTER GIRDER	MAIN GIRDER
Dead Load per foot	1060*	2600*
Uniform Live Load per foot	120 Lanes or 770*	1.39 Lanes or 895*
Concentrated Live Load	120 Lanes or 21600*	1.39 Lanes or 25,000*
Truck Live Load	250 Wheels	2.78 Wheels
Live Load Impact	30%	Varies

UNIT STRESSES

	(n = 10)
Class "S" Concrete	1000 #/sq"
Reinforcing Steel	18,000 #/sq"
Structural Steel	18,000 #/sq"
Cast Steel	13,500 #/sq"

GENERAL NOTES

See drawing No. G17C for General Notes for Cantilever Spans.
See Drawing Nos. G174, G175, G176, and G178 for remainder of details of superstructure of spans.
For Typical Section of Roadway and Sidewalk Slabs, with Bar Diagram, see Drawing No. G17S



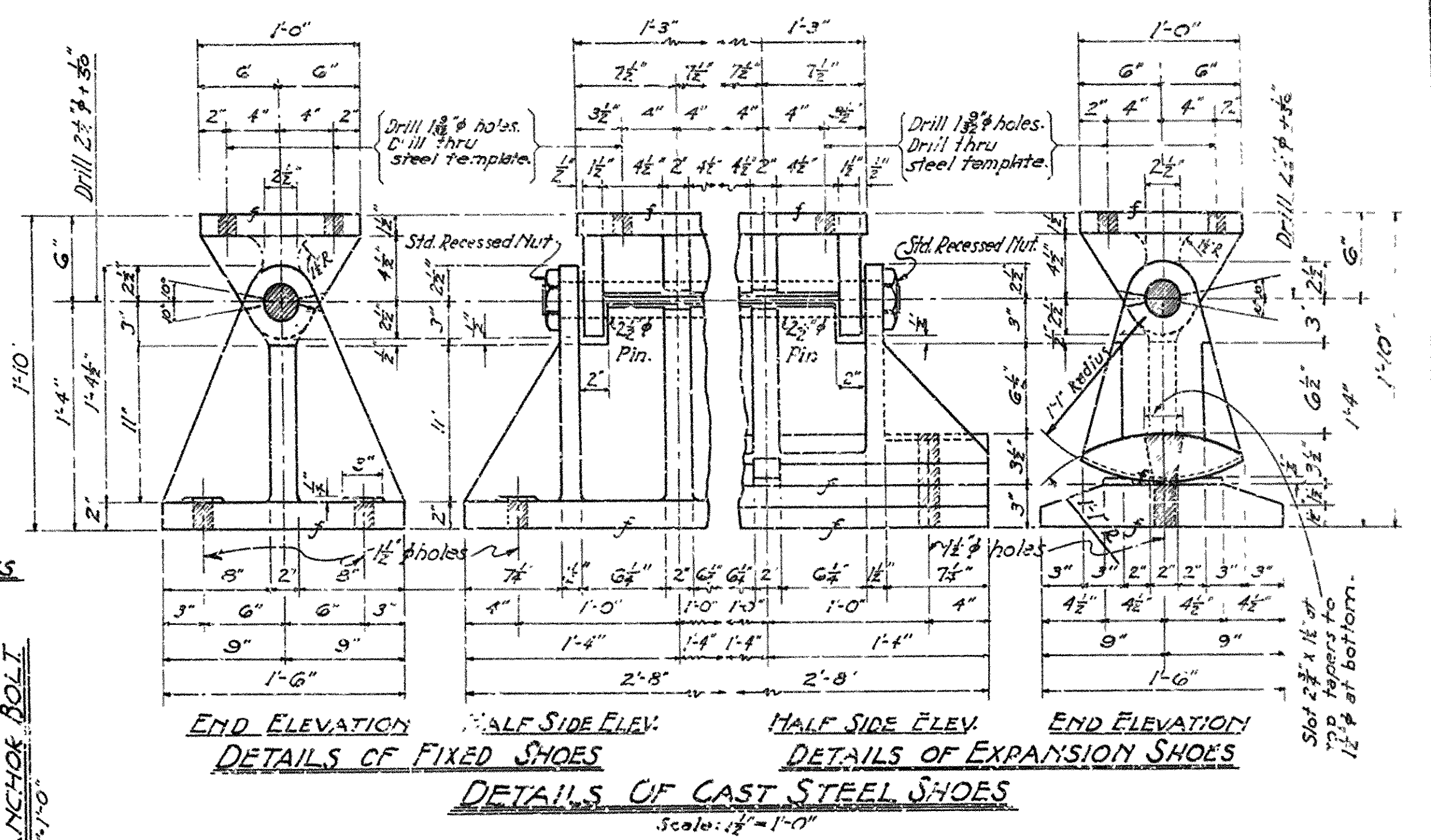
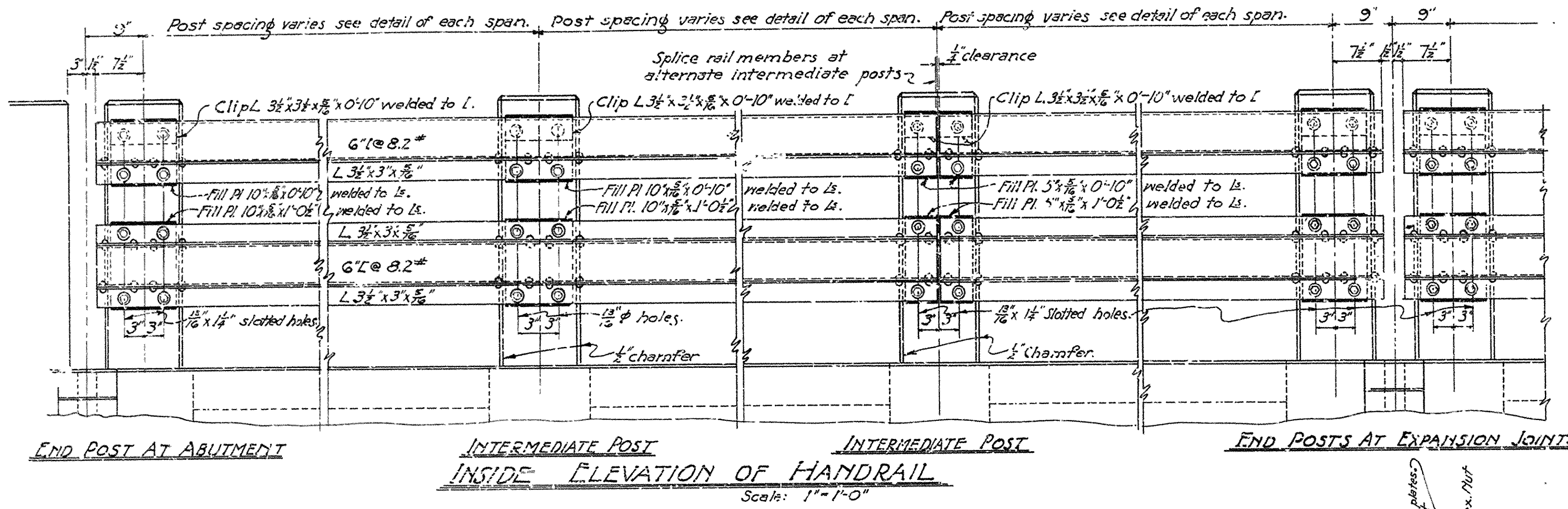
STRESS DIAGRAM FOR 116'-0" CANTILEVER SPAN

GENERAL DETAILS OF CANTILEVER BRIDGE OVER LITTLE RED RIVER SEARCY-JUDSONIA ROAD WHITE COUNTY ROUTE 67 SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: W.C.H. Date: 4-2-25
Traced By: W.C.H. Date: 6-2-25
Checked By: Date: _____
BRIDGE NO. 2202 DRAWING NO. 6177

Revisions: Stress Diagram 4-2-25 W.C.H.
Max rivet spacing 3-21-25 W.C.H.
Principal Highway Engineer (Bridges)

FED. ROAD DIST. NO.	STATE	F.P.D. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63(6)	1941	11	17
STATE JOB NO. 5293					



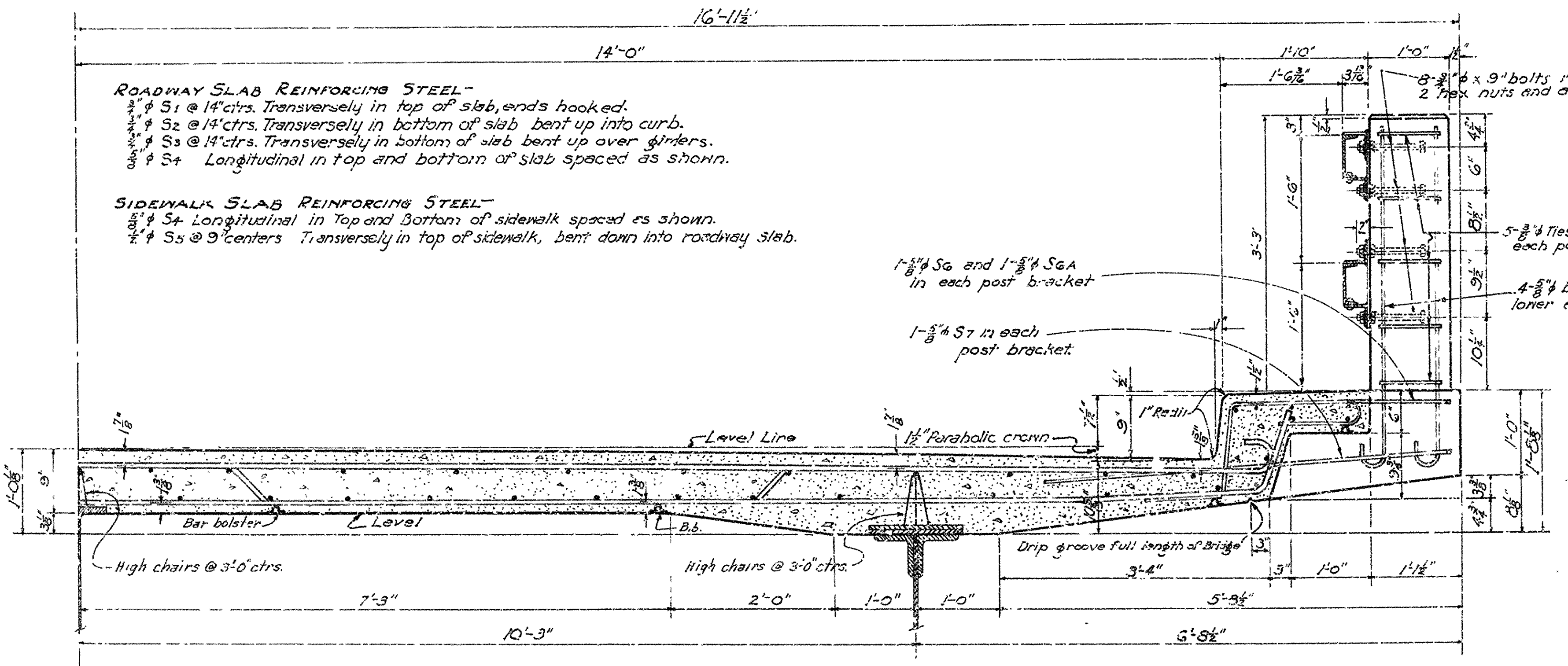
All reinforcing steel shall be accurately located in the forms and firmly held in place by means of steel wire chair supports adequate to prevent displacement during the course of construction, and to keep the steel a proper distance from the forms. Bar supports are to be sufficient in number and sufficiently heavy to properly carry the steel they support. Wire sizes shall not be less than shown. Wire supports will not be paid for directly but will be considered as subsidiary to the item of "Reinforcing Steel." Shop lists and diagrams must be submitted for approval.

NOTE: Handrail members to extend over two panels. The concrete nail posts and structural steel rail members shall be paid for at the unit price bid per linear foot for Concrete and Structural Steel Railing.

SLAB BAR LIST

MARK	SIZE	LENGTH	A	BENDING DIAGRAM
S1	3/4"	30'-2 1/2"		
S2	3/4"	31'-0"		
S3	3/4"	30'-11"		
S4	3/4"	5'-6"		
S5	3/4"	9'-9"		
S4	3/4"	Varies		
S6	5/8"	10'-2"	0'-7"	
S6A	5/8"	10'-2"	0'-11"	
S7	5/8"	11'-0"		
S5	3/4"	4'-7"		
S12	3/4"	5'-7"		
PC1	5/8"	3'-5"		
PO2	3/4"	31'-7"		

Note: Dimensions relating to reinforcing steel are to center of bars.



TYPICAL HALF SECTION OF ROADWAY AND SIDEWALK SLABS
Scale: 1"=1'-0"

GENERAL NOTES
For General Notes for Cantilever Span see Drawing No. 6174.
For other details of superstructure see Drawing Nos 6174, 6175, 6176, and 6177.

**DETAILS OF CANTILEVER BRIDGE
OVER LITTLE RIVER
SEARCY-JUDSONIA ROAD
WHITE COUNTY
ROUTE 67 SEC. 13**

**ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**
Drawn By: *AKC* Date: 6-7-41
Traced By: *F.H.W.* Date: 6-20-41
Checked By: _____ Date: _____
Scale: 1 in. = 1 ft. and as shown
BRIDGE NO. 2202 DRAWING NO. 6178

REVISION 45: Slab Slab Re-designed; reinforcing steel revised. 3-16-45 M.C.H.
M.C.H.
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

Bridge Inspection Report

02203
SH 367 WHITE
over
LITTLE RED RIVER RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	6
ELEMENTS	7
PICTURES	9
SKETCHES	10

Inspector:

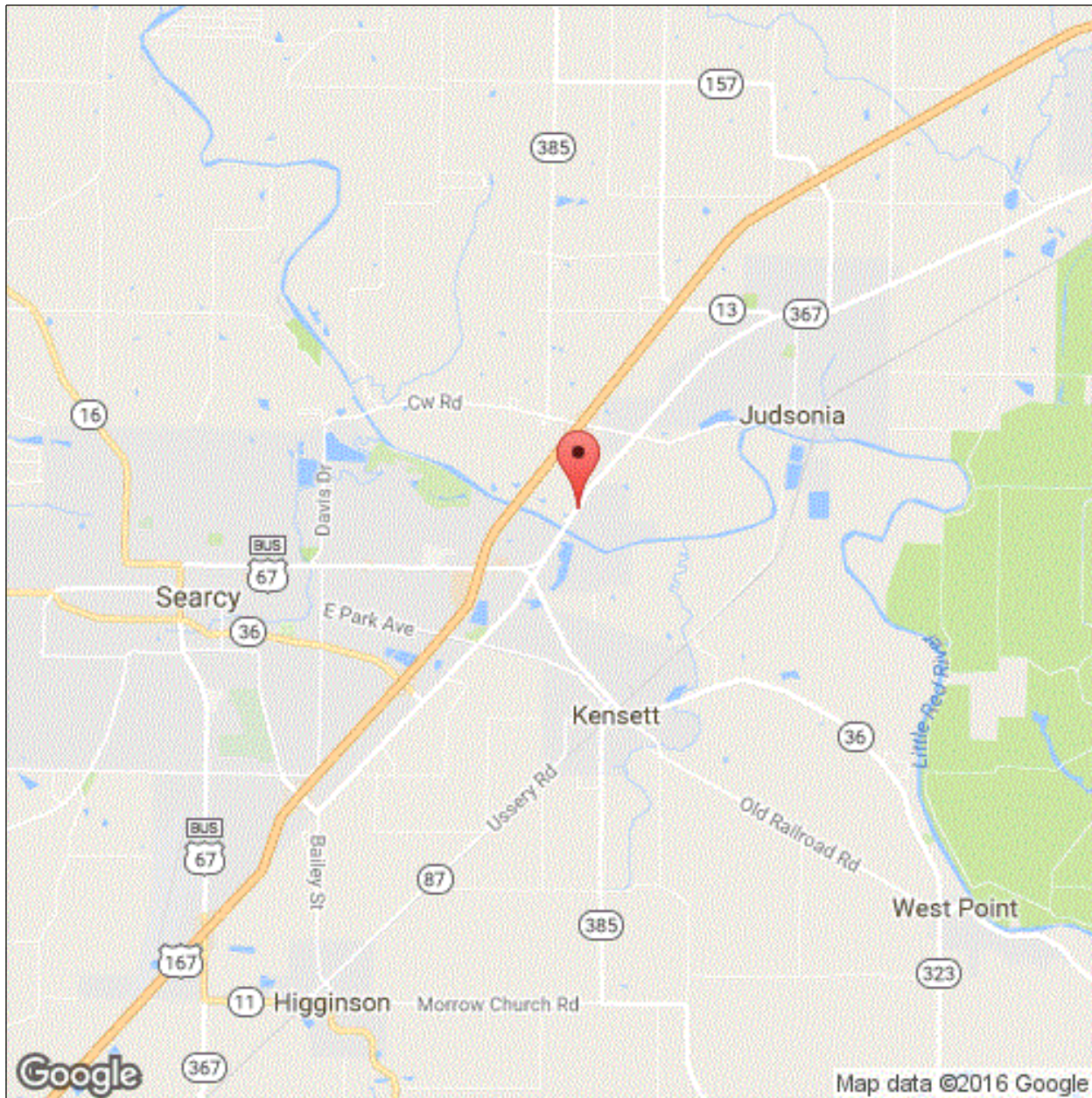
Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.25802

Longitude: -91.67386

Inspector:

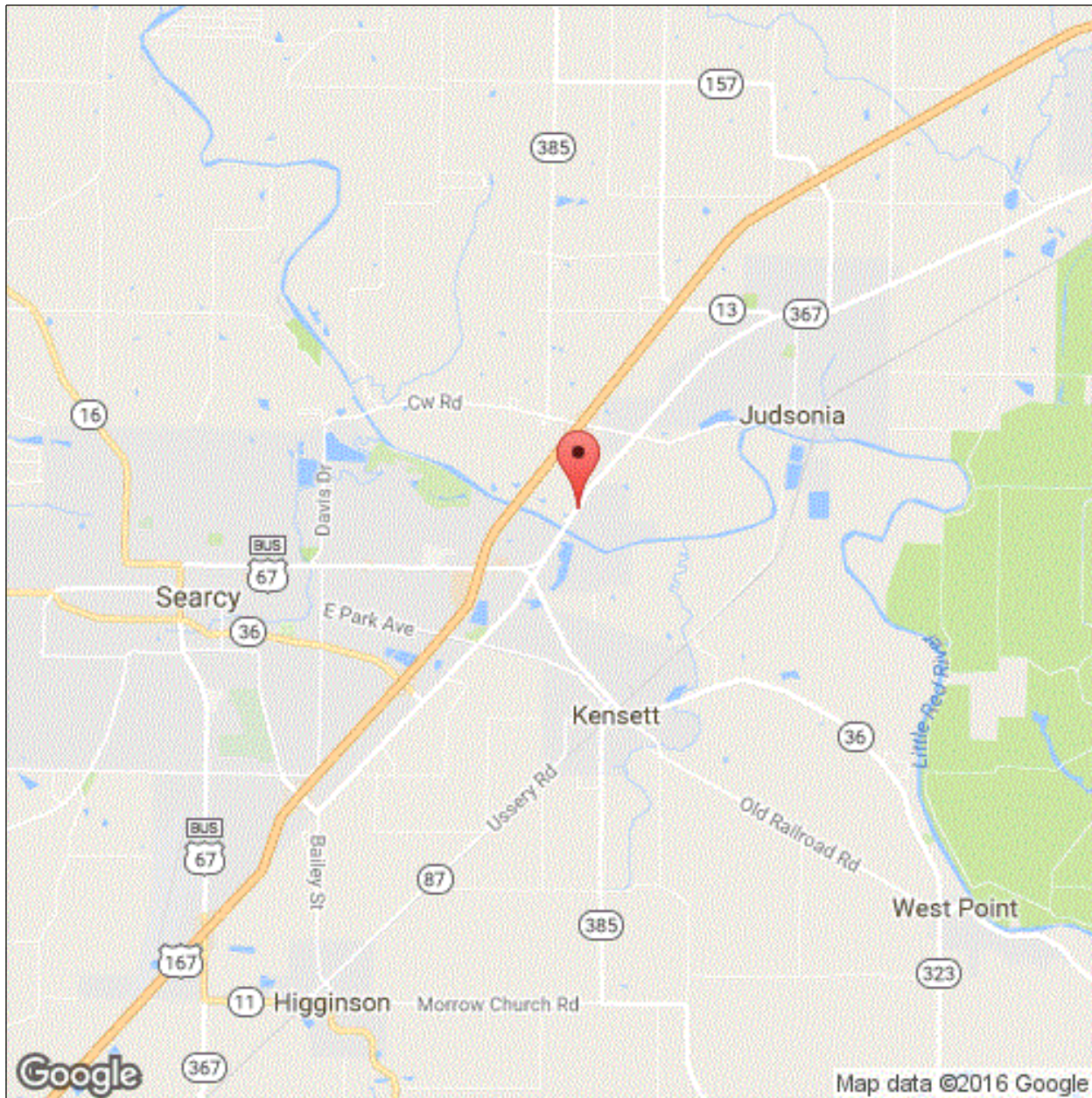
Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.25802
Longitude: -91.67386

Inspector:

Inspection Date:

Structure Number: 02203

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Executive Summary

Logmile looking North.
Construction Job 5233.

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/08/2016
(8) STRUCTURE NUMBER	02203	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE RED RIVER RELIEF	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 WHITE	CONDITION	
(9) LOCATION	.25 M N LITTLE RED RIVER	(58) DECK	6
(11) MILEPOINT 0.730	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(16) LATITUDE 35.25802	(17) LONGITUDE -91.67386	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	54.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(66) INVENTORY RATING	32.0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	5
(45) NUMBER OF SPANS IN MAIN	11 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
		(72) APPROACH ROADWAY ALIGNMENT	8
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1948 (106) YEAR RECONSTRUCTED	36A) BRIDGE RAILINGS:	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	36B) TRANSITIONS:	0
(28) LANES	ON 02 UNDER 00	36C) APPROACH GUARDRAIL:	0
(29) AVERAGE DAILY TRAFFIC	6800 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	5
(109) AVERAGE DAILY TRUCK TRAFFIC	1	SUFFICIENCY RATING	0 STATUS 51.9
		CLASSIFICATION	
GEOMETRIC DATA		(112) NBIS BRIDGE LENGTH	Y
(48) LENGTH OF MAX SPAN (ft.)	36 (49) STRUCTURE LENGTH (ft.)	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(100) STRAHNET HIGHWAY DESIGNATION	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32	(101) PARALLEL STRUCTURE DESIGNATION	N
(32) APPROACH ROADWAY WIDTH (ft.)	25.9	(102) DIRECTION OF TRAFFIC	2
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(103) TEMP STRUCTURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(105) FEDERAL LANDS HIGHWAYS	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.8	(110) DESIGNATED NATIONAL NETWORK	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(20) TOLL	3
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(21) MAINTENANCE RESPONSIBILITY	01
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(22) OWNER	01
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(37) HISTORICAL	5
PROPOSED IMPROVEMENTS		NAVIGATION DATA	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(38) NAVIGATION CONTROL	0
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(111) PIER OR ABUTMENT PROTECTION	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(39) NAV VERT CLEARANCE (ft.)	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(96) TOTAL PROJECT COST	0	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	10435 (115) YEAR OF FUTURE ADT		
	2028		

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	12704	sq. ft.	8762	3373	569	0
	Unsealed cracks to deck @ all spans. A/C overlay to Span 1 & 11. Spalls & patches along joints @ most spans. Areas of scaling & repairs to Right gutter lines @ some spans.						
1080 - Delamination/Spall/Patched Area		122			97	25	
1090 - Exposed Rebar		68				68	
1130 - Cracking (RC and Other)		3668			3192	476	
1190 - Abrasion/Wear (PSC/RC)		84			84		
510 - Wearing Surfaces		1044	sq. ft.	1044			
107 - Steel Open Girder/Beam	1- Ben.	1975	ft.	1849	0	126	0
	Paint peeling with some minor rust developing to girders @ random areas @ all spans. Rust with section loss to webs below paving haunch, diaphragm connections &/or bottom of webs to ends of girders @ all spans. (Ends of girders have been cleaned & painted @ most spans, but section loss, holes & some rust still exist.) Span 2 - Girder 3 has holes in web. Span 3 - Girder 4 has large hole in web below paving haunch. Span 6 - Girder 2 & 4 has holes in web below paving haunch. Span 8 - Girder 3 & 4 has holes in web. Span 9 - Girder 2 has holes in web. Span 10 - Girder 3 has holes in web below paving haunch. Spans 6 -11 Girder 5 has section loss & is crushing @ ends. SEE FORM III						
1000 - Corrosion		104				104	
1900 - Distortion		22				22	
515 - Steel Protective Coating		11850	sq. ft.	11258	0	592	0
3440 - Effectiveness (Steel Protective Coatings)		592				592	
205 - Reinforced Concrete Column	1- Ben.	56	each	0	54	2	0
	Bent 2 - Pile 5 has spall with rebar exposed. Bent 6 - Pile 1 has vertical cracks. Abrasion to all conc. columns						
1090 - Exposed Rebar		1				1	
1130 - Cracking (RC and Other)		1				1	
1190 - Abrasion/Wear (PSC/RC)		54			54		
215 - Reinforced Concrete Abutment	1- Ben.	84	ft.	41	0	34	9
	Abutment 1 & 2 have rotated in the past. Repairs have stabilized rotation, no visible movement @ this time. Abutment 1 - Heavy spalling to Left & Right wings. Abutment 2 - Large spalls with rebar exposed to Abutment. Horizontal crack to abutment.						
1080 - Delamination/Spall/Patched Area		9					9

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Element Inspection

1090 - Exposed Rebar		4				4	
1120 - Efflorescence/Rust Staining		30				30	
234 - Reinforced Concrete Pier Cap	1- Ben.	290	ft.	282	1	7	0
<p>Bent 2 - Spall with 1' rebar exposed near Pile 5 Bent 4 - Spall, cracks to left end of cap. Cracks & delam. to Right end of cap. Spall top of cap @ bearing 3 Bent 6 - Cracks & delam. near Pile 1 Bent 10 - Horiz. crack to bottom of cap back & ahd. of Pile 3.</p>							
1080 - Delamination/Spall/Patched Area		2			1	1	
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		4				4	
305 - Assembly Joint without Seal	1- Ben.	372	ft.	0		372	
<p>All joints are closed from Abutments rotating ahead & back.</p>							
311 - Movable Bearing	1- Ben.	55	each	0	0	55	0
<p>All moveable bearings have rotated ahead/back. Section loss to several anchor bolts with some bent or missing @: Bent 2 - Girders 2, 3, 5. Bent 4 - Girders 1, 2, 3. Bent 5 - Girders 1, 2, 3, 4, 5. Bent 6 - Girder 4. Bent 7 - Girder 3, 4. Bent 9 - Girder 1</p>							
1000 - Corrosion		55				55	
515 - Steel Protective Coating		110	sq. ft.	0	0	110	0
3440 - Effectiveness (Steel Protective Coatings)		110				110	
313 - Fixed Bearing	1- Ben.	55	each	0	55	0	0
<p>Bearings have been cleaned & painted, but minor section loss still exist.</p>							
1000 - Corrosion		55			55		
515 - Steel Protective Coating		110	sq. ft.	0	110	0	0
3440 - Effectiveness (Steel Protective Coatings)		110			110		
331 - Reinforced Concrete Bridge Railing	1- Ben.	1588	ft.	1571	0	17	0
<p>Span 2 - Spall with rebar exposed to 6th concrete post on Left. Span 4 - 1st & 2nd concrete post on Left is broken with top & bottom rail spalled/cracked. Span 7 - 1st concrete post on Left cracked/spalled @ top. Span 9 - 2nd concrete post on Left cracked/spalled @ top.</p>							
1080 - Delamination/Spall/Patched Area		15				15	
1090 - Exposed Rebar		2				2	

Inspector:

Inspection Date:

Structure Number: 02203

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Pictures

Inspector:

Inspection Date:

Structure Number: 02203

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/08/2016

Priority: C - Important

Work Code:

Deficiency Description:

Span 4 - 1st and 2nd concrete post of left is broken & lower concrete rail is cracked, top rail is off post on one end.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description 1st and 2nd concrete post of left at Span 4 is broken & lower concrete rail is cracked, top rail is off post on one end.

Stage: Open



PHOTO 2 Description 1st and 2nd concrete post of left at Span 4 is broken & lower concrete rail is cracked, top rail is off post on one end.

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/08/2016

Priority: C - Important

Work Code:

Deficiency Description:

Abutment 1 - Heavy spalling to left & right wings.

Abutment 2 - Right Wing & Left Wing is cracked and spalled. Left wing has rotated.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Typical of Right & Left Wings at Abutment 2 cracked and spalled. (Right at Abt. 2)

Stage: Open



PHOTO 2 Description Typical of heavy spalling to Left & Right wings at Abutments 1 & 2. (Left Wing at Abt. 1.)

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/20/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Unsealed cracks to deck at all spans.

Spalling along sliding plate joints at Bents 1 - 4 & 6 - 10.

Spalling & epoxy patch failures in right gutter line at Spans 2, 5, 7, & 10.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalling along sliding plate joints at Bents 1 - 4 & 6 -10.

Stage: Assigned



PHOTO 2 Description Spalling & epoxy patch failures in right gutter line Spans 2, 5, 7, & 10.

Inspector:

Inspection Date:

Structure Number: 02203

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Typical of unsealed cracks to deck at all spans.

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/20/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Section loss to webs below paving haunch, diaphragm connections &/or bottom flanges at ends of girders with holes in webs below paving haunch to:

- Span 2 - Girder 3.
- Span 3 - Girder 4.
- Span 6 - Girders 2 & 4.
- Span 8 - Girders 3 & 4.
- Span 9 - Girder 2.
- Span 10 - Girder 3.

Out of plane bending to:

- Span 2 - Girder 1 at beginning of span.
- Span 6 - Girder 5 at beginning of span.
- Span 7 - Girder 5 at beginning & end of span.
- Span 8 - Girder 5 at beginning of span.
- Span 9 - Girder 5 at beginning & end of span.
- Span 10 - Girder 5 at beginning & end of span.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned

PHOTO 1

Description

Span 3 - Girder 4 has section loss & hole to webs below paving haunch. Typical of several areas. See Form III



Inspector:

Inspection Date:

Structure Number: 02203

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 2	Description	Typical of Out of plane bending to girders. See Form III
---------	-------------	---

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/20/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spall with 1' rebar exposed to Pile 5 at Bent 2.

Vertical cracks with delaminated area to top of Pile 1 at Bent 6.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spall with 1' rebar exposed to Pile 5 at Bent 2.

Stage: Assigned



PHOTO 2 Description Vertical cracks with delaminated area to top of Pile 1 at Bent 6.

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/20/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to left & right overhangs at all spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical of spalls with rebar exposed to left & right overhangs at all spans. (Bent 2)

Inspector:

Structure Number: 02203

Inspection Date:

Facility Carried: SH 367 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/20/2012 12:00:00 AM

Priority: B - Pressing; 6 month completion goal

Work Code:

Deficiency Description:

Heavy section loss to all moveable bearings.

Section loss to several anchor bolts with some bent or missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



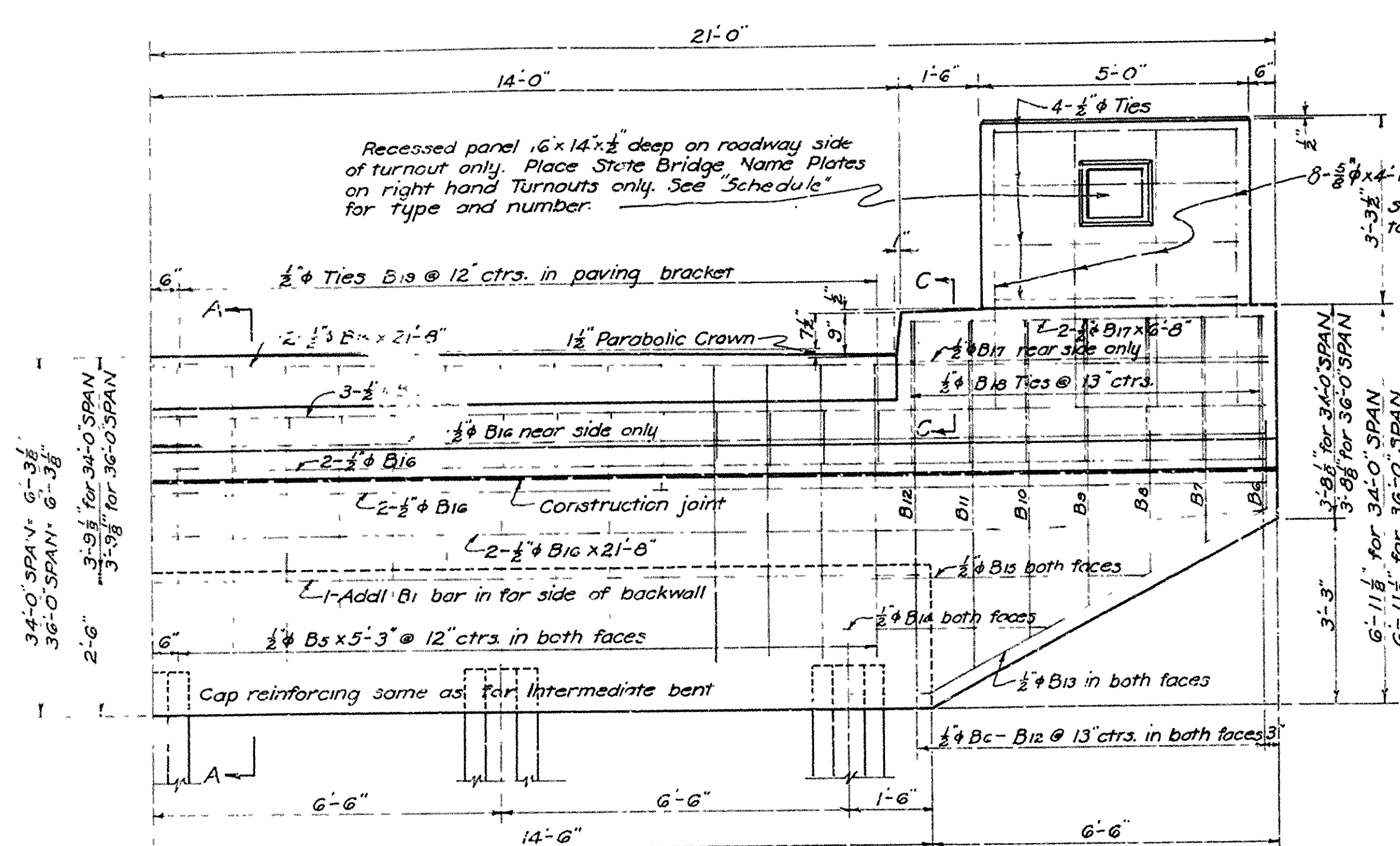
PHOTO 1 Description Heavy section loss to all moveable bearings
Section loss to several anchor bolts and nuts with some bent or missing.

Stage: Assigned

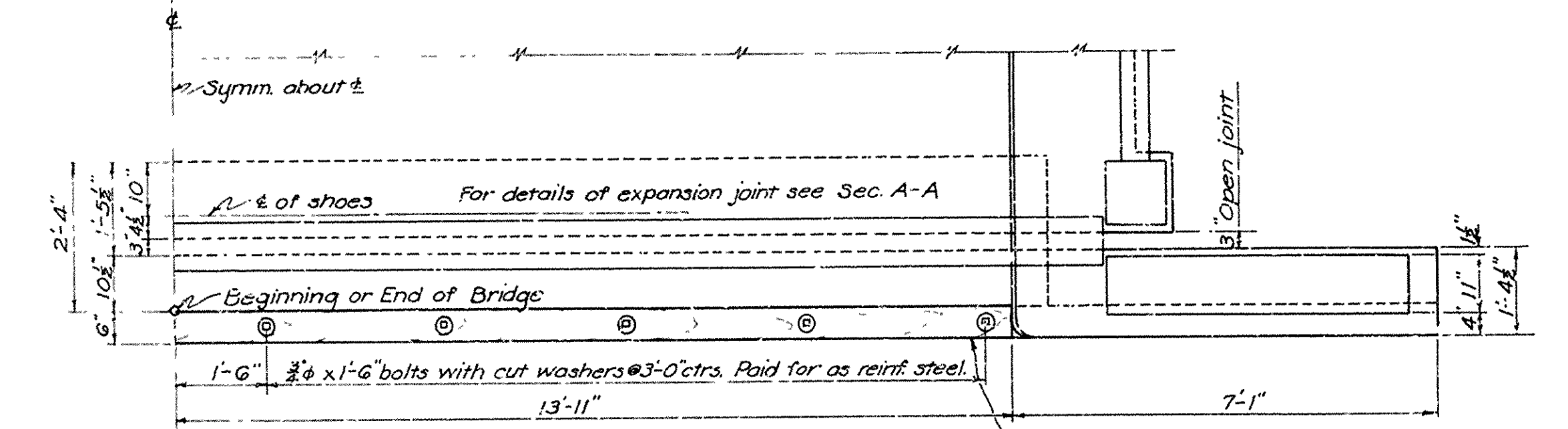


PHOTO 2 Description Heavy section loss to all moveable bearings.
(EOS 7)

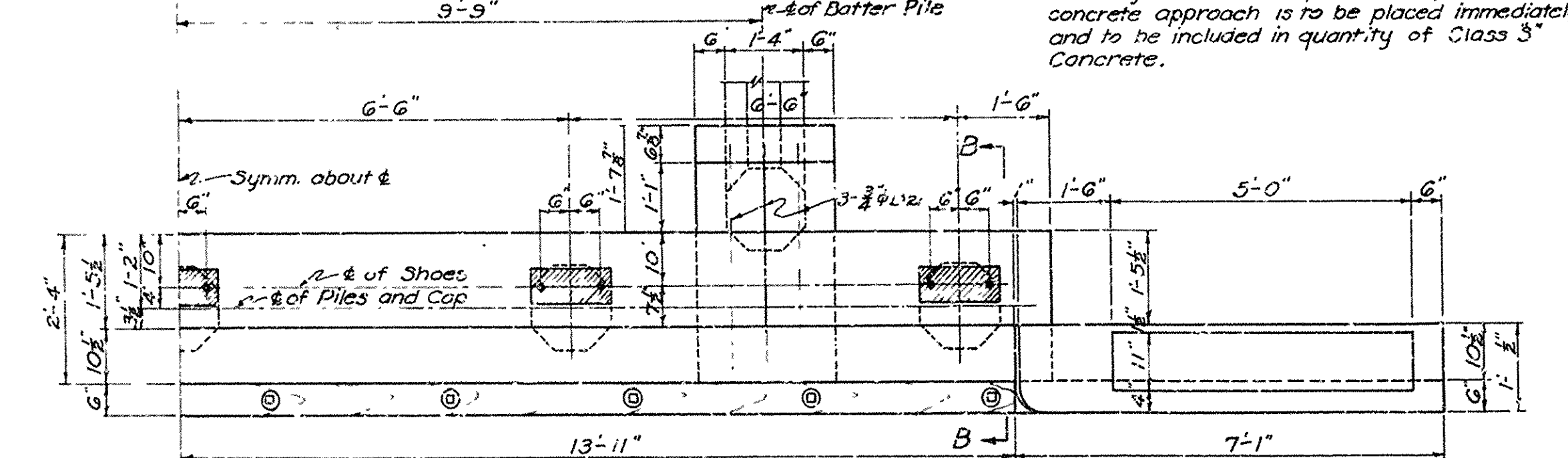
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F.A. No. P 46(1)	1945	24	26
STATE JOB NO. 7777			277	1	12



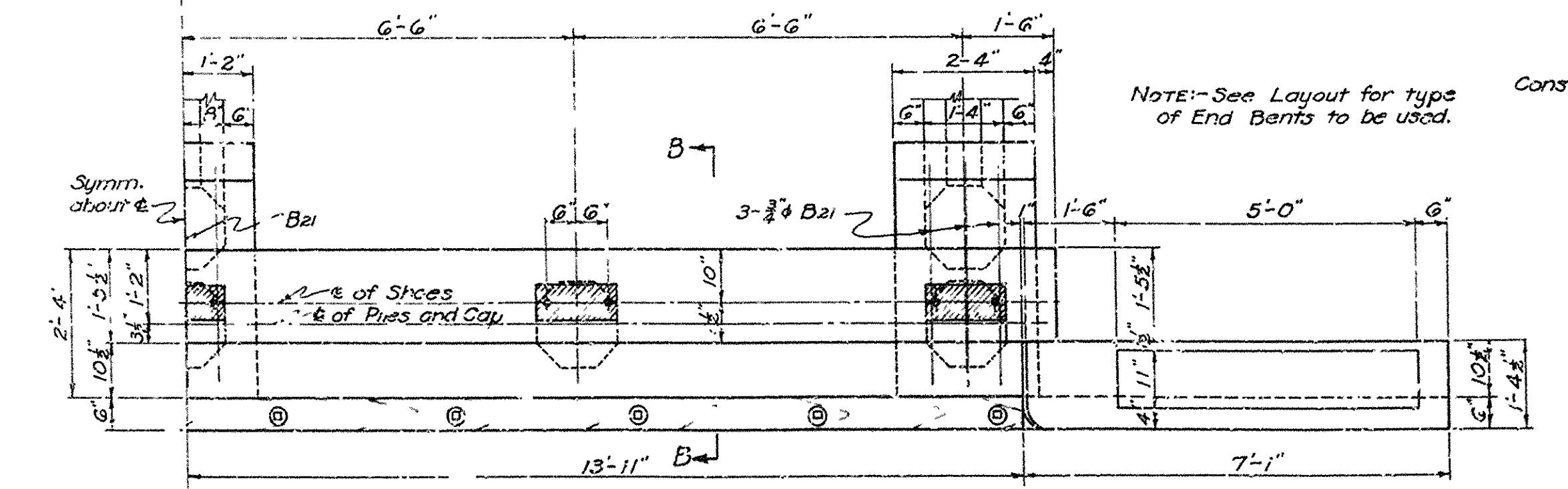
HALF REAR ELEVATION - END BENT
For Location of Batter Piles see Details below.



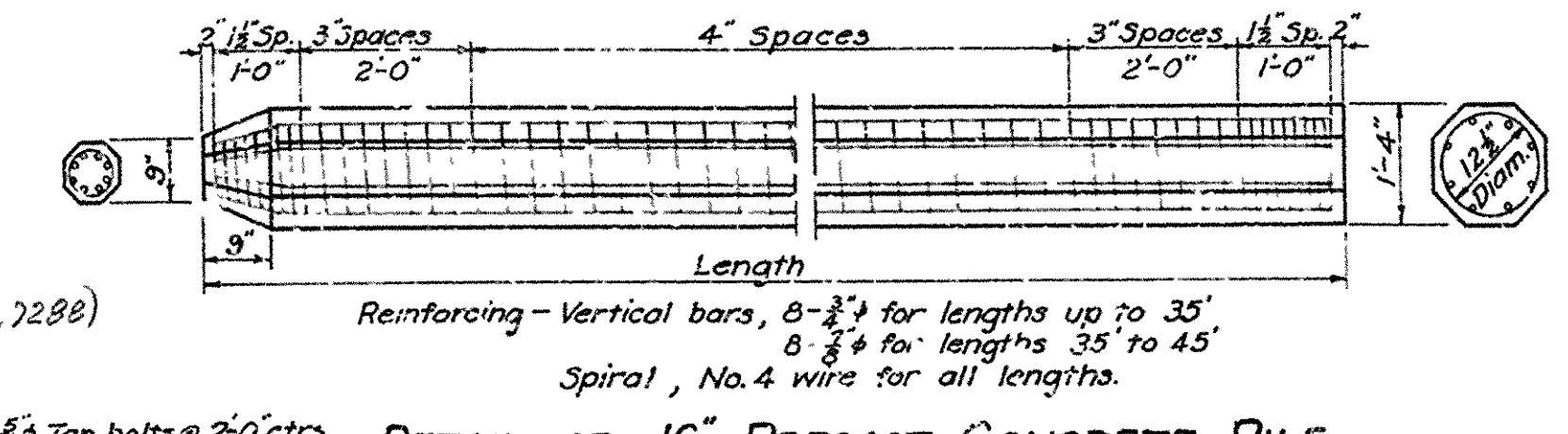
HALF PLAN OF REGULAR END BENT



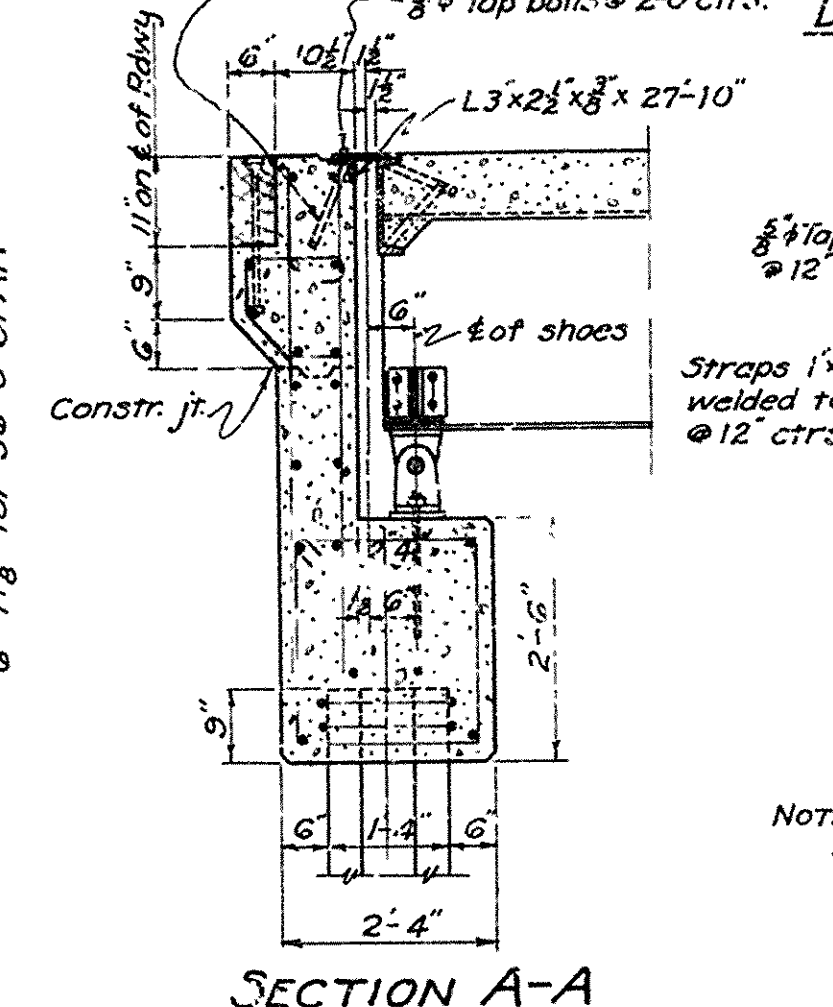
HALF PLAN OF END BENT WITH TWO BATTER PILES



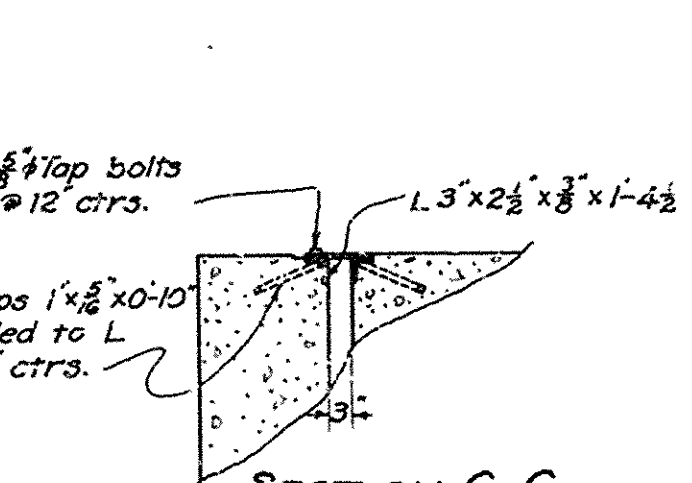
HALF PLAN OF END BENT WITH THREE BATTER PILES



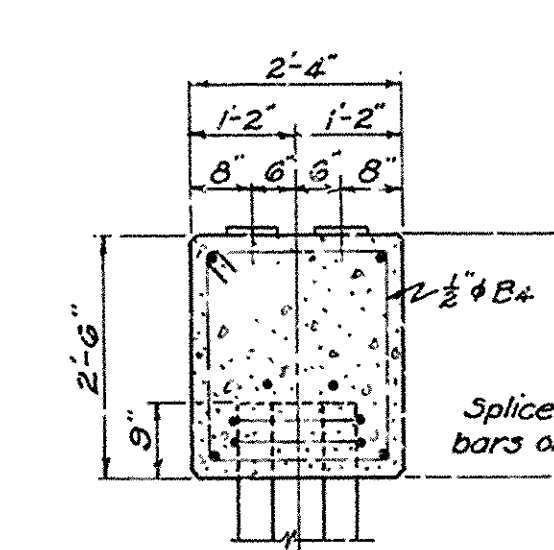
DETAIL OF 16" PRECAST CONCRETE PILE



SECTION A-A



SECTION C-C



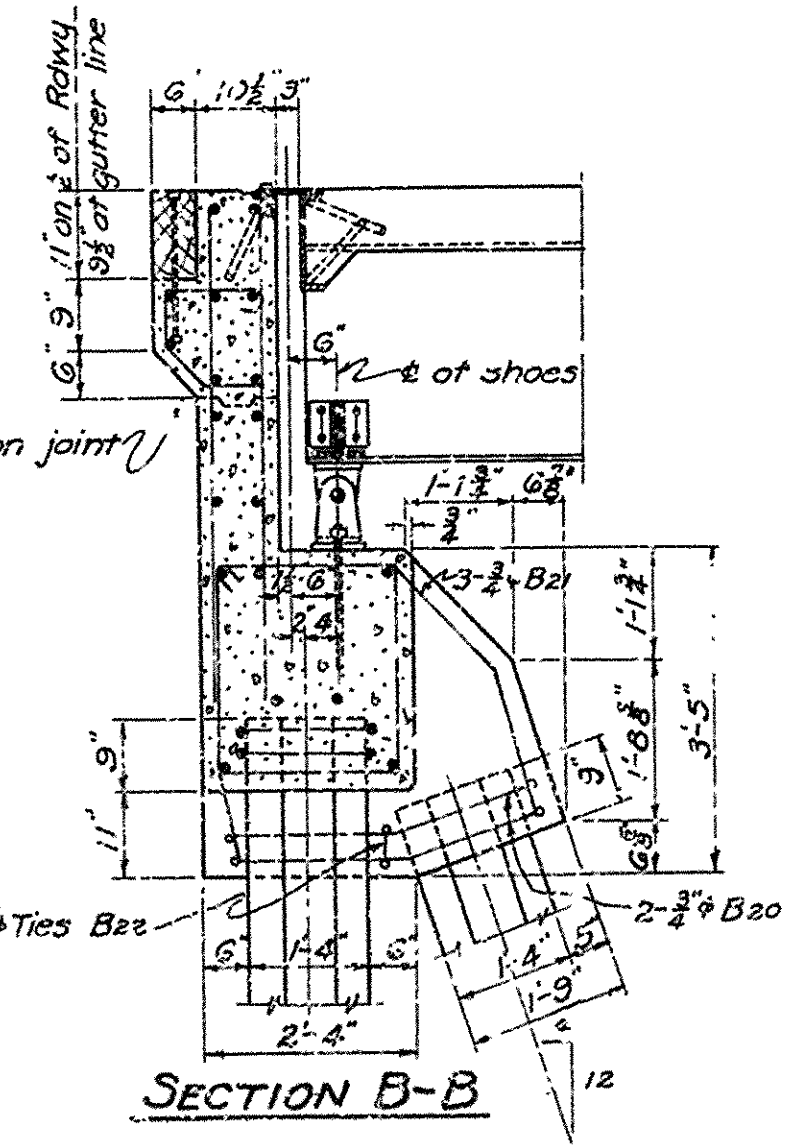
SECTION D-D

NOTE:- For details of superstructure, see Drawing No. 5217

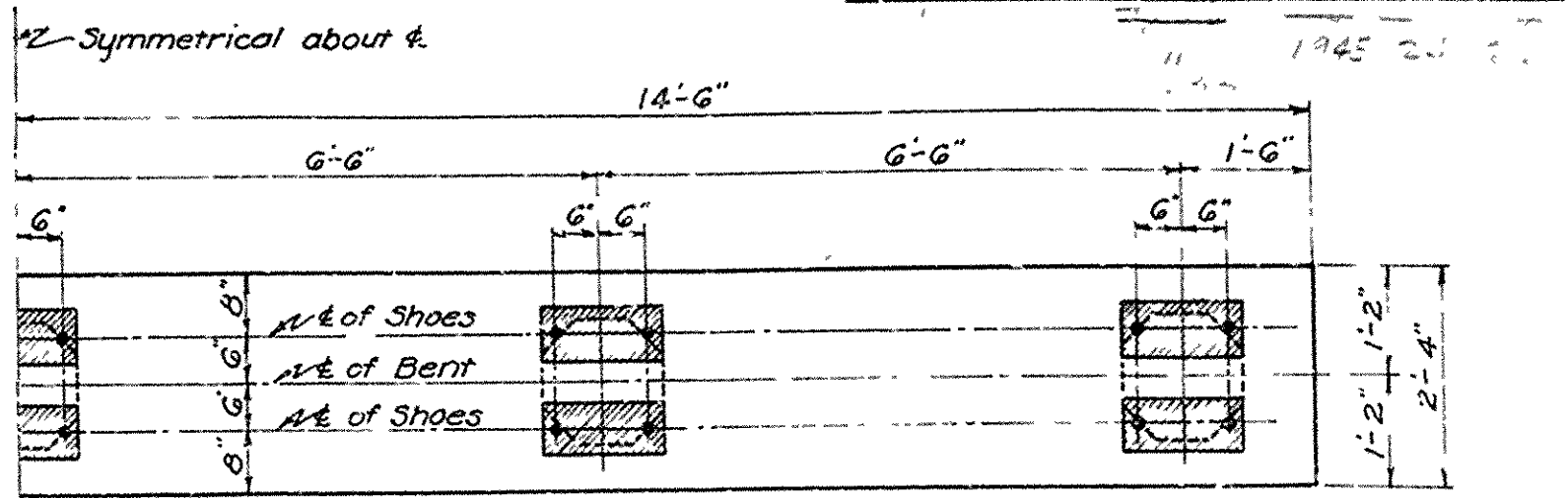
LIST OF BENT BARS FOR BENTS

MARK	SIZE	LENGTH	A	B	BENDING DIAGRAM
BP3	1"φ	31'-11"	—	—	
BP4	1"φ	29'-9"	—	—	
BP5	2"φ	33'-6"	15'-1"	3'-4"	
BP6	2"φ	6'-6"	—	—	
B20	2"φ	11'-3"	—	—	
B21	2"φ	8'-2"	—	—	
B2	2"φ	31'-8"	15'-1"	1'-6"	
B3	2"φ	6'-3"	2'-1 1/2"	1'-11 1/2"	
B4	2"φ	8'-11"	2'-1 1/2"	1'-11 1/2"	
B22	1/2"φ	5'-5"	1'-1"	0'-5"	
BP7	2"φ	11'-0"	—	—	
B13	2"φ	10'-0"	—	—	
B18	2"φ	4'-6"	2'-0"	—	
B19	2"φ	3'-0"	0'-6"	—	

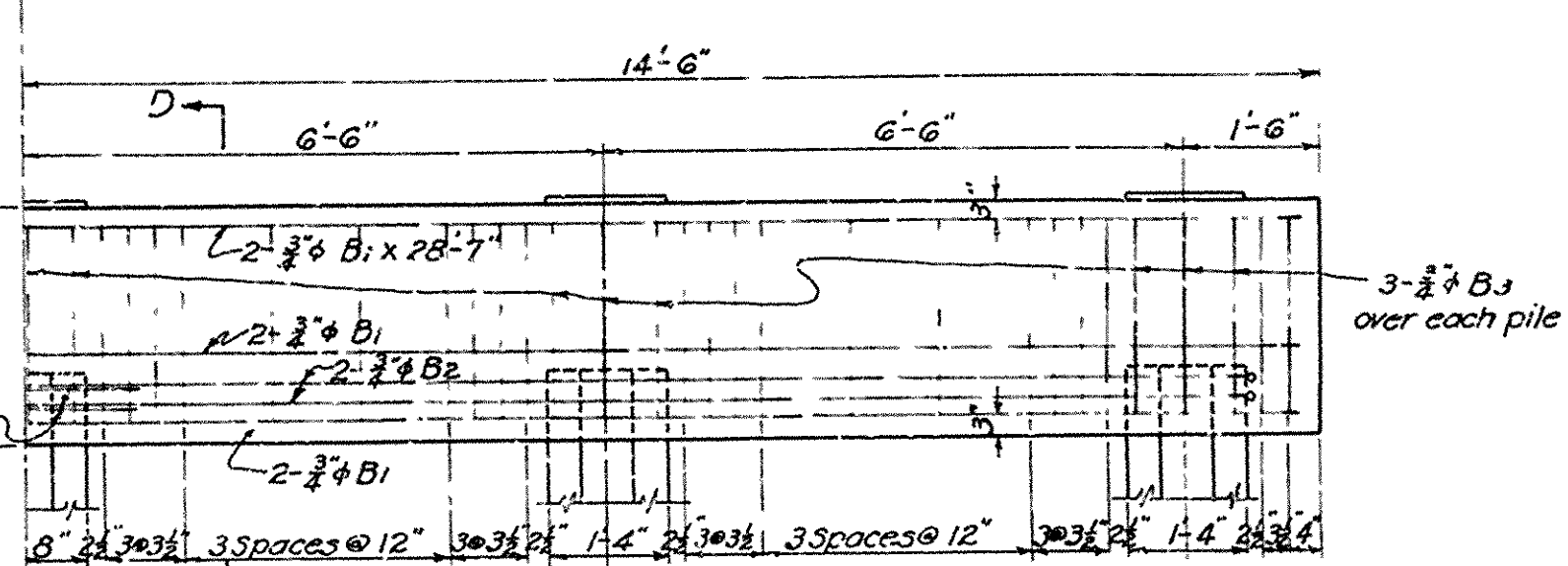
NOTE:- Dimensions relating to reinforcing steel are to centers of bars.



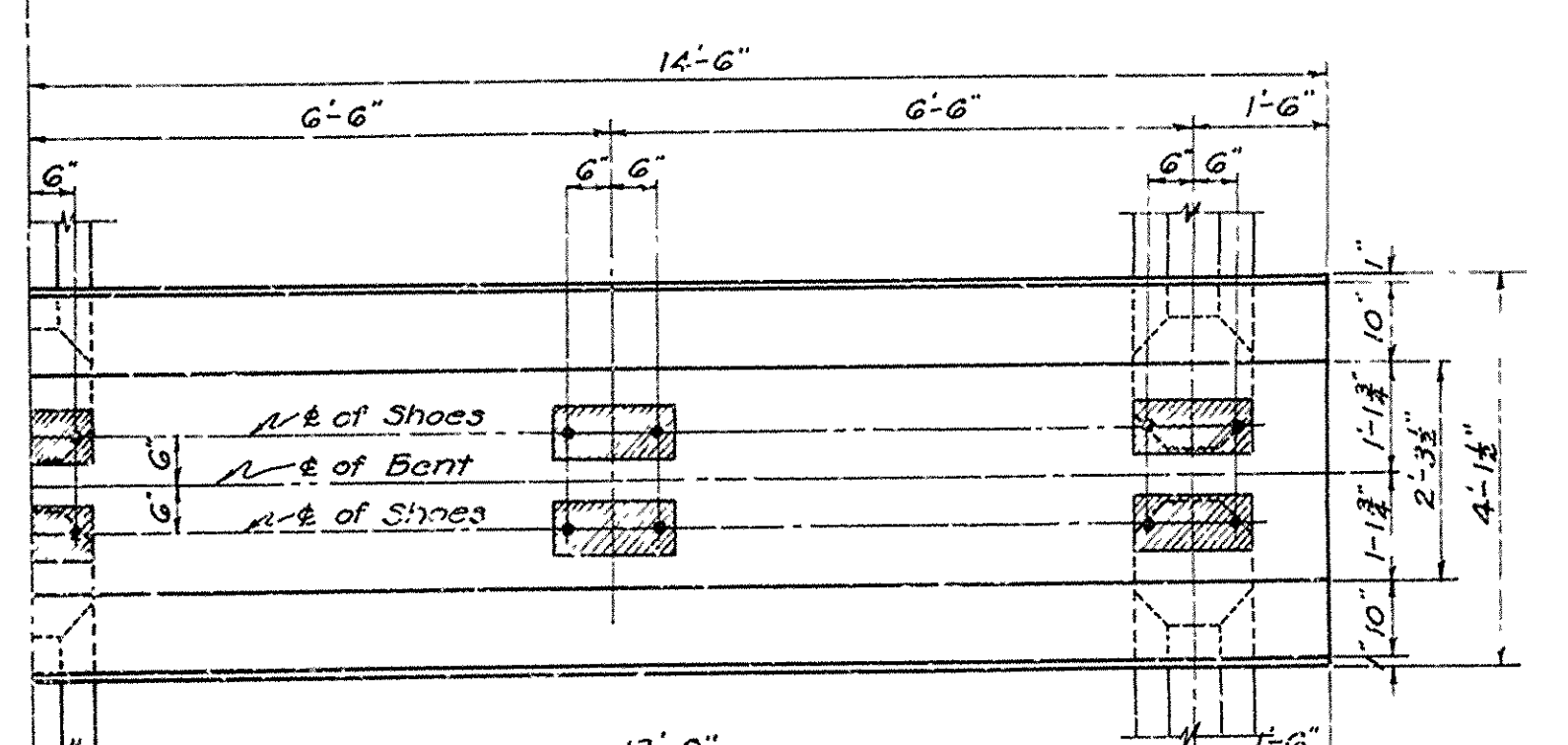
SECTION B-B



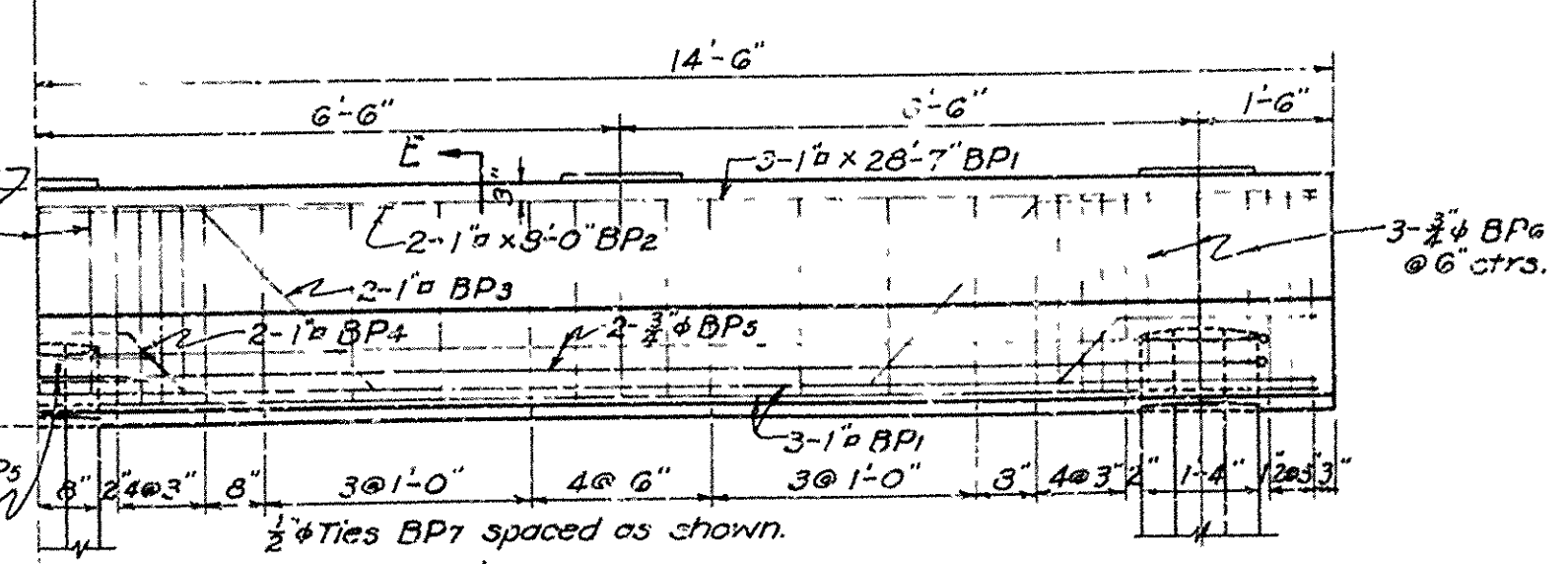
HALF PLAN OF INTERMEDIATE BENT CAP



HALF SIDE ELEVATION OF INTERMEDIATE BENT - REGULAR



HALF PLAN OF INTERMEDIATE BATTER PILE BENT



HALF SIDE ELEV. OF INTERMEDIATE BATTER PILE BENT

GENERAL NOTES

All concrete to be Class 3. All exposed corners to have chamfers unless otherwise noted.

Shop lists and bending diagrams of reinforcing steel must be submitted and approval secured before fabrication is begun.

Volume occupied by oak header plank to be included in quantity of Class 3 Concrete. Bolts for oak header are to be paid for at the unit price bid for reinforcing steel.

Maximum computed bearing 31 Tons per pile - intermediate bents. Piles to be driven to a minimum capacity of 32 Tons.

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

UNIT STRESSES

Class 3 Concrete (n=10)	fc = 1000 psi
Reinforcing Steel	fs = 18,000 psi
Structural Steel	fs = 19,000 psi

REVISIONS:- Post details, 12-13-45 M.C.H.

DETAIL OF BENTS FOR STANDARD 34'-0" & 36'-0" I-BEAM SPANS 28'-0" CLEAR ROADWAY 2'-1 1/2" SIDEWALKS ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

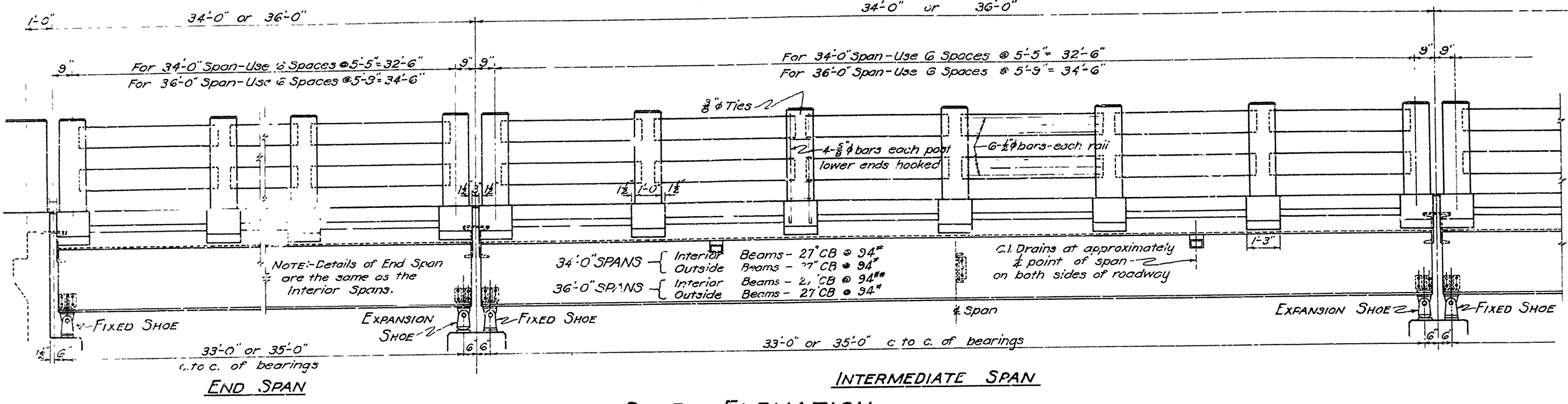
Scale: 1/4" = 1 ft

Drawn By: MCH Date: 4-26-41
Traced By: MWH Date: 5-22-41
Checked By: _____ Date: _____
BRIDGE NO. _____ DRAWING NO. 5216

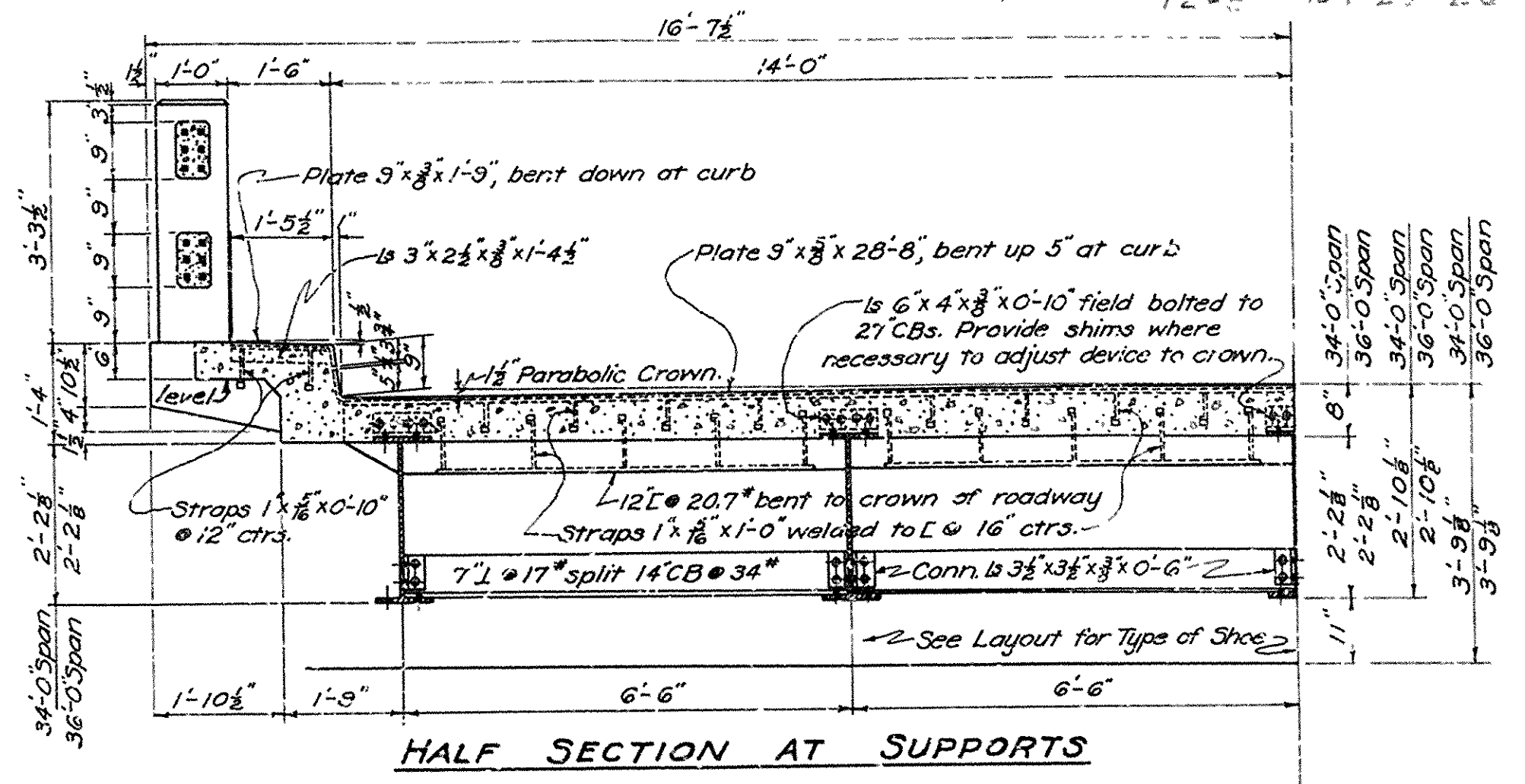
M.C.H.
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	FAP No. F4G(1)	1945	25	26
STATE JOB NO. 7209		7209	137	25	26

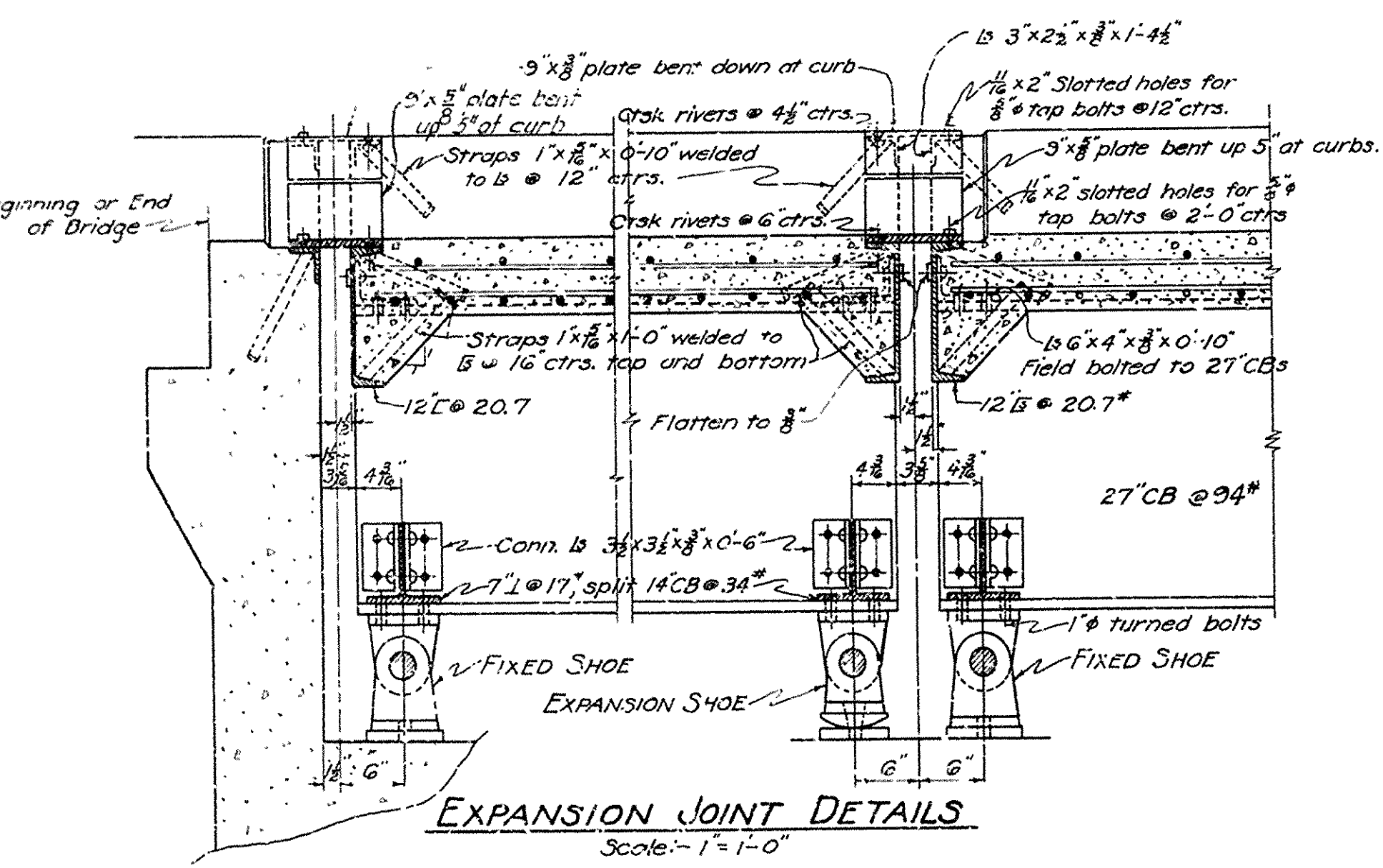
NOTE: Extend rail members 3/4" into rail post. Wrap both ends of rail members with 1-ply roofing felt.



SIDE ELEVATION
Scale: 1/8" = 1'-0"



HALF SECTION AT SUPPORTS



EXPANSION JOINT DETAILS
Scale: 1" = 1'-0"

LIST OF BENT BARS FOR SLABS

MARK	SIZE	LENGTH	BENDING DIAGRAM
S1	3/8"	29'-11"	
S2	3/8"	31'-2"	
S3	3/8"	31'-1"	
S5	3/8"	5'-4"	
S6	1/2"	9'-10"	
S6A	1/2"	9'-6"	
S7	3/8"	11'-6"	

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

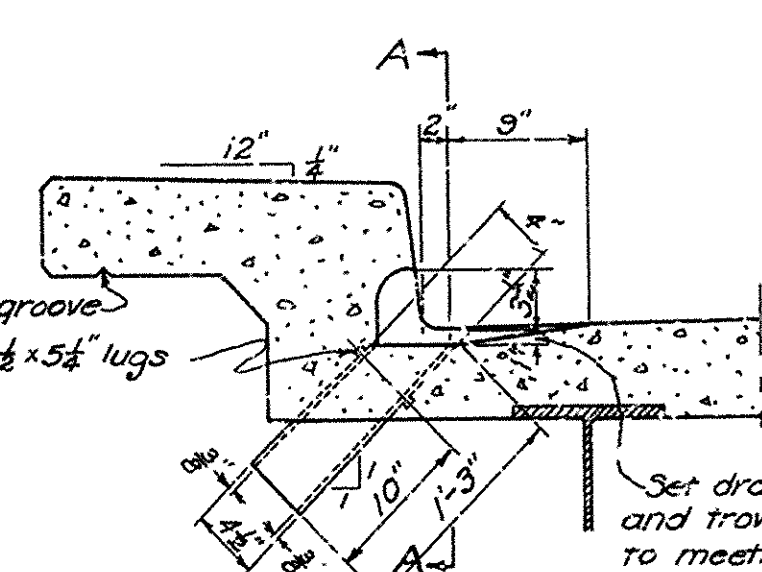
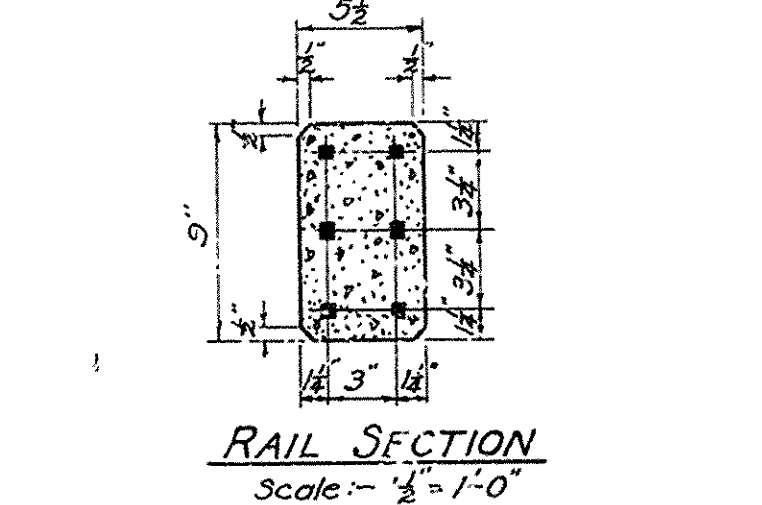
DESIGN LIVE LOAD - H-20 LOADING
WIDTH OF LANE = 10 FEET

LOAD DISTRIBUTION TO GIRDERS

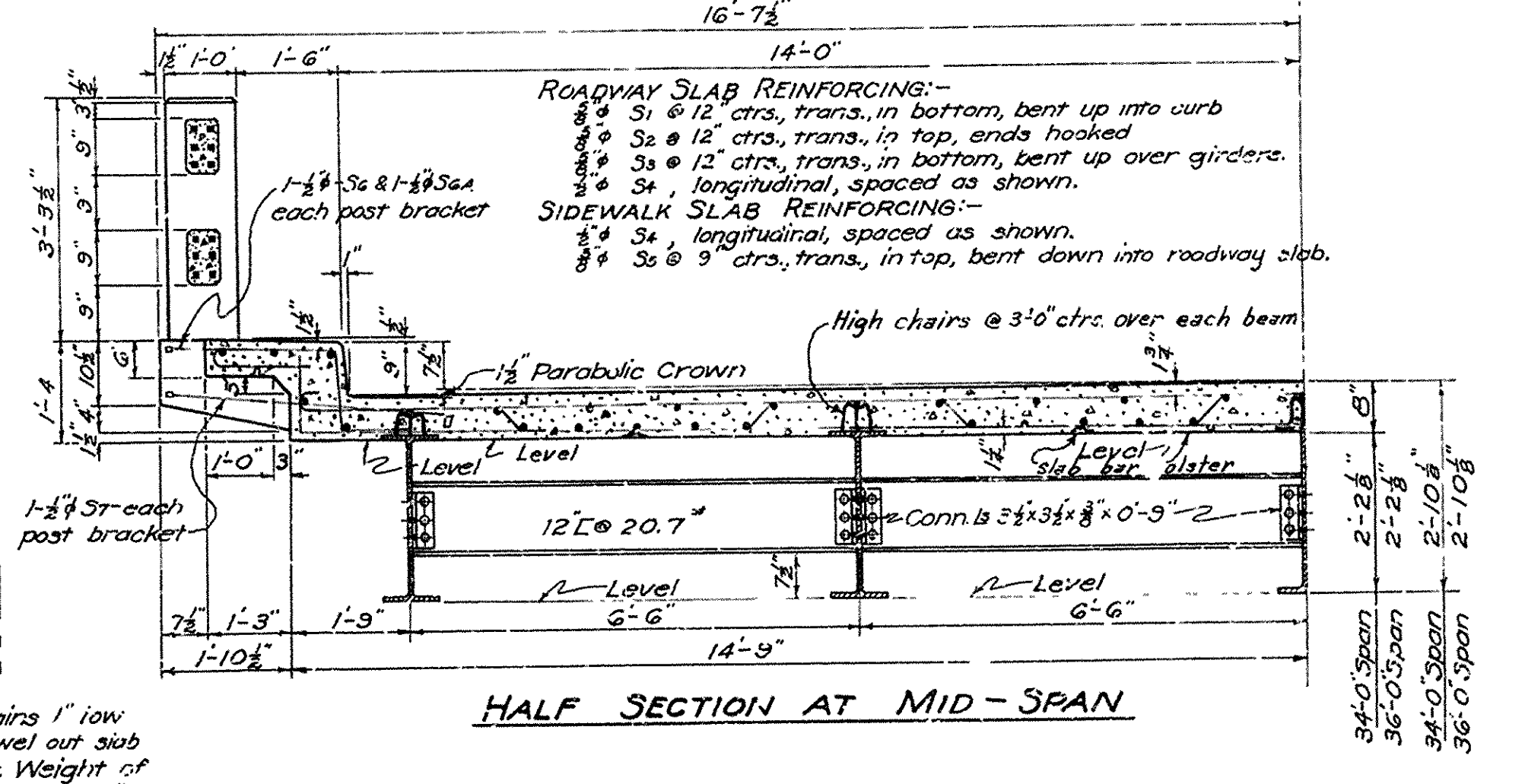
GIRDERS	LOAD DISTRIBUTION TO GIRDERS		
	DEAD LOAD	ROADWAY LIVE LOAD	SIDEWALK LIVE LOAD
34'-0" SPAN			
Sidewalk Girder	1080 #/lin.ft.	3,650 Wheels	None
Outside Roadway Girder	810 #/lin.ft.	1,300 Wheels	None
Center Roadway Girder	810 #/lin.ft.	1,300 Wheels	None
36'-0" SPAN			
Sidewalk Girder	1040 #/lin.ft.	3,850 Wheels	None
Outside Roadway Girder	810 #/lin.ft.	1,300 Wheels	None
Center Roadway Girder	810 #/lin.ft.	1,300 Wheels	None

UNIT STRESSES

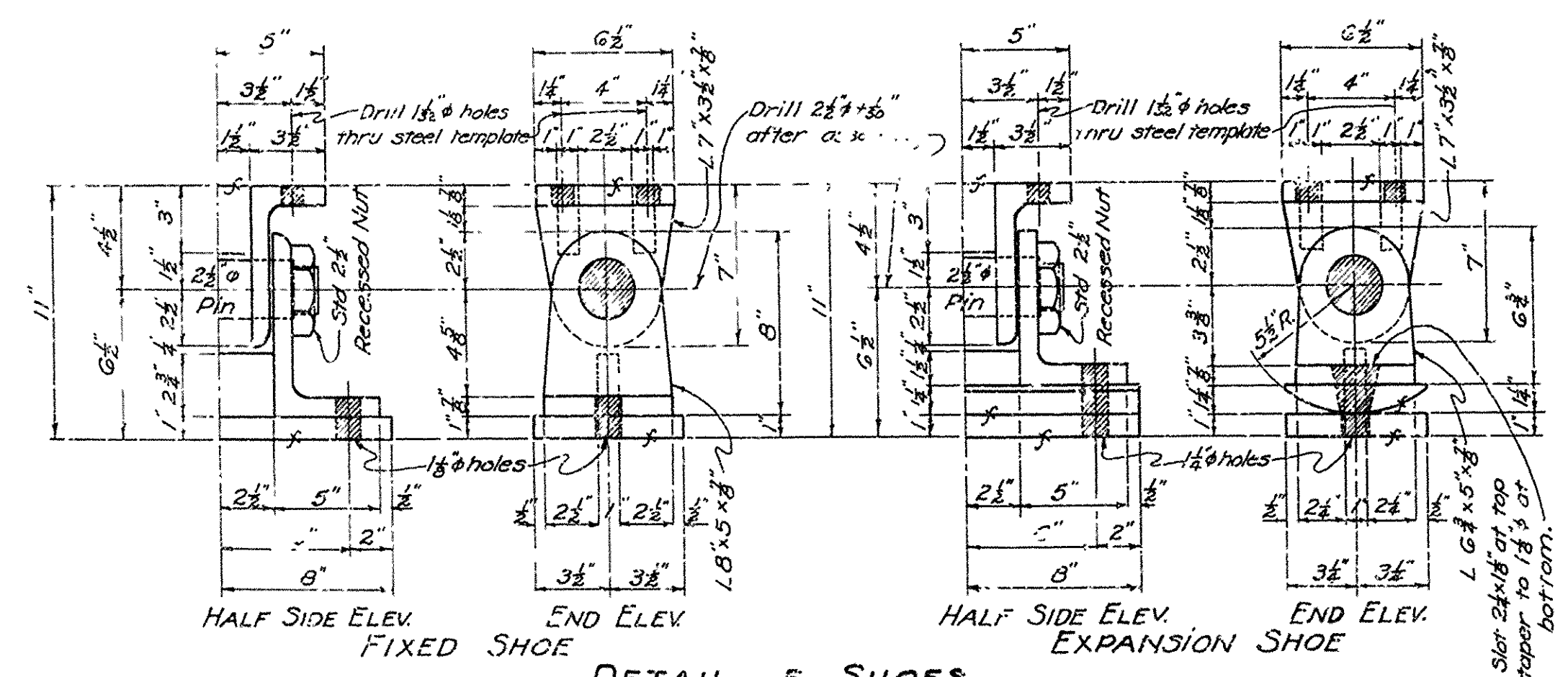
Class 3 Concrete (n=10)	1000 #/sq.in.
Reinforcing Steel	18,000 #/sq.in.
Structural Steel	18,000 #/sq.in.



DETAIL OF C.I. DRAINS
Scale: 1" = 1'-0"

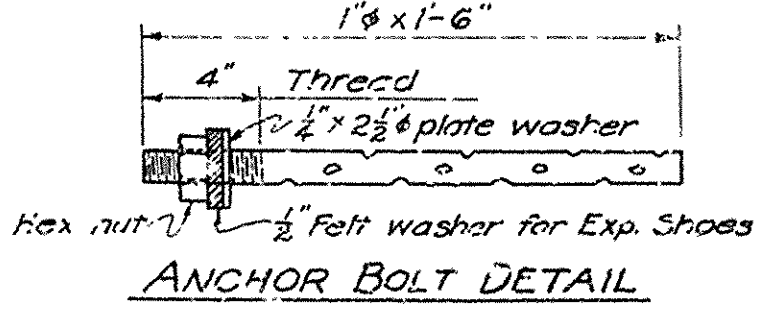


HALF SECTION AT MID-SPAN



DETAIL OF SHOES
Scale: 2" = 1'-0"

SHOE NOTES: - All shoes to be field bolted to 27" CBs, with 1" turned bolts. 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."

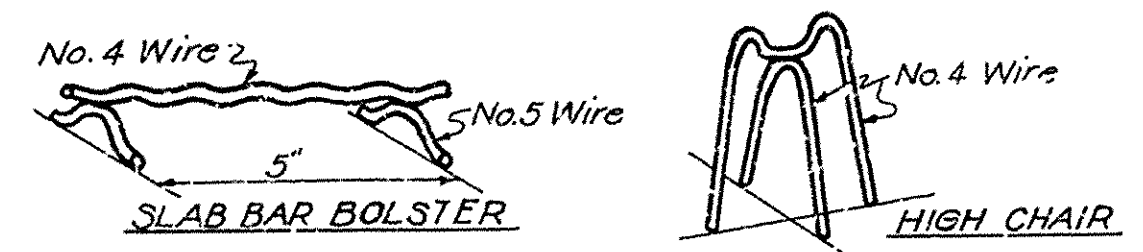


ANCHOR BOLT DETAIL

GENERAL NOTES

All concrete to be Class 3. All corners to be chamfered 3/8" unless otherwise noted.
 Rivets 3/8". Open holes 1/2". Unless turned bolts are specified use machine bolts where bolts are indicated.
 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" fillet shop welds, except as noted. Welding to be by the electric arc process.
 Bearing and roadway expansion devices to be paid for at 1 1/2" unit price bid for "Structural steel in beam spans."
 Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.
 Cast iron drains to be paid for as reinforcing steel and 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; 2nd coat, Aluminum paint.
 This drawing shows general features of design only. Shop drawings shall be made in accordance with the specifications, submitted and approved secured before fabrication is begun.
 To provide for deflection of girders due to dead load, the slab is to be 1/2" thicker at mid-span and 3/8" thicker at the quarter points. Increase thickness of slab to provide for vertical curve camber.
 Specifications: - Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, adopted March 1, 1940.
 Approved rivet bolts with lock nuts may be substituted for rivets in field connections.
 REVISIONS: - Re-designed 12-13-45 W.C.H.
 Field Paint 12-17-45 H.B.
 Wt. I-Beams 10-19-46 H.B.
 3-25-47, 4-24-47, 5-21-47, 6-18-47 H.B.



All reinforcing steel shall be accurately located in the forms and firmly held in place by means of steel wire chair supports adequate to prevent displacement during the course of construction, and to keep the steel a proper distance from the forms.
 Bar supports are to be sufficient in number and sufficiently heavy to properly carry the steel they support. Wire sizes shall not be less than shown. Wire supports will not be paid for directly but will be considered subsidiary to the item of "Reinforcing Steel". Shop lists and diagrams must be submitted for approval.

DETAILS OF STANDARD
34'-0" AND 36'-0" I-BEAM SPANS
28'-0" CLEAR ROADWAY, 2'-6" SIDEWALKS
5-GIRDER TYPE
 ROUTE SEC.

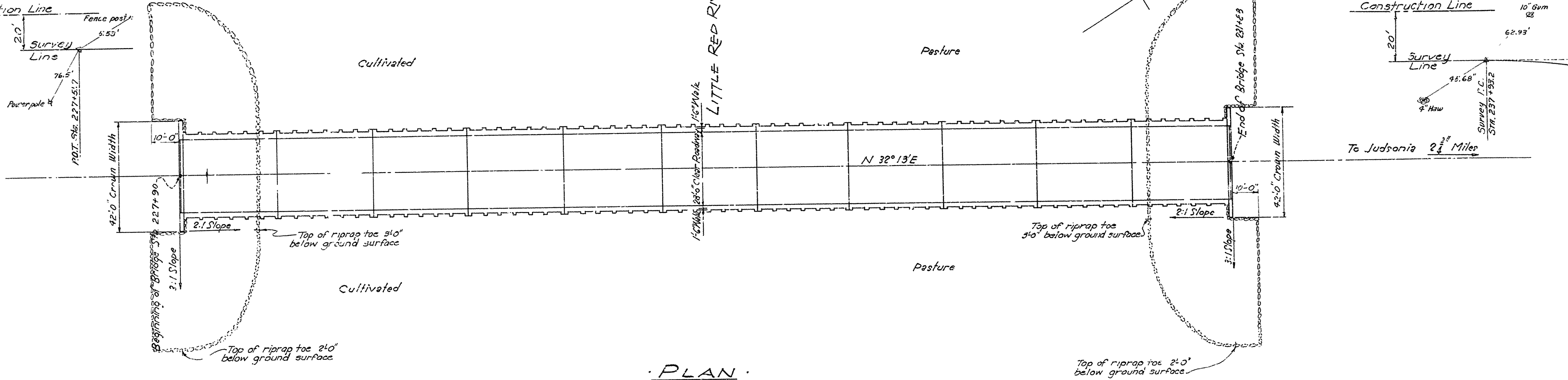
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: W.C.H. Date: 4-23-41
 Traced By: M.K.H. Date: 5-12-41
 Checked By: _____ Date: _____
 BRIDGE NO. 2271
 DRAWING NO. 5217
 Scale: 3/8" = 1'-0" ft. (except as noted)

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

FED. ROAD DIST. NO.	STATE	F.A.P. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-63 (6)	1941	12	17
STATE JOB NO. 5233					

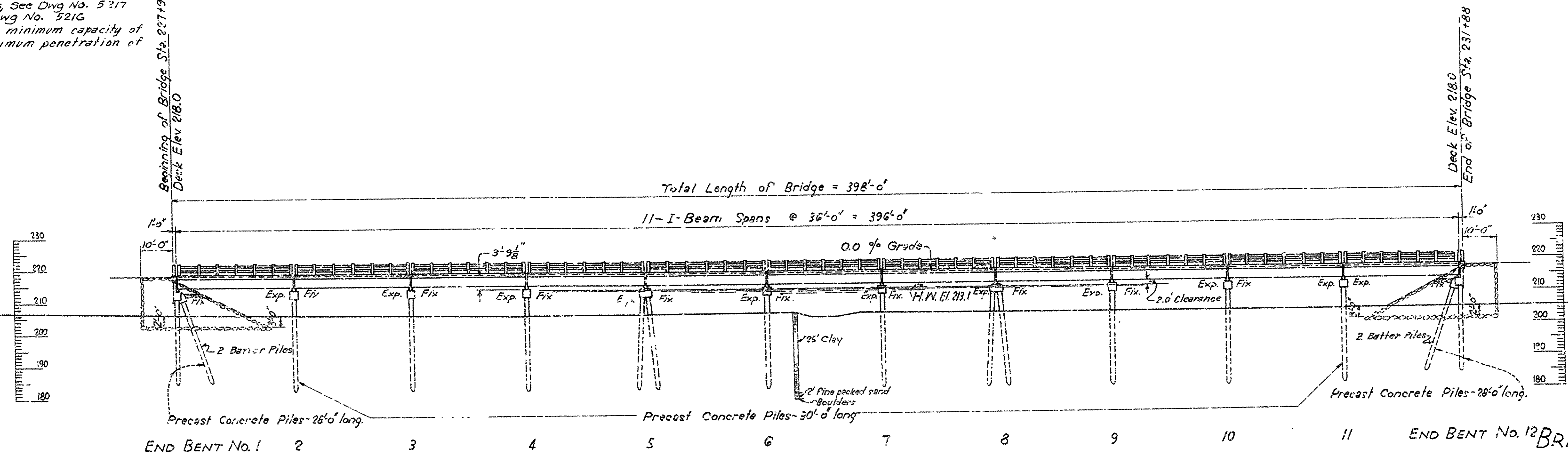
RIGHT OF WAY DATA
Sta to Sta 71 of E 11 of E Total Width
212+00 250+00 80' 80' 160'

TANGENT DISTANCE DATA
From beginning of bridge over 1000'
From end of bridge 509.1'



PLAN

GENERAL NOTES
All concrete to be poured in the dry. All exposed corners to be chamfered $\frac{3}{4}$ " unless otherwise noted. Volume occupied by embedded pile heads shall not be included in the quantity of concrete in bent caps. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field.
Specifications: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, adopted March 1, 1940.
For Details of I-Beam Spans, See Divg No. 5217
For Details of Bents, See Divg No. 5216
All piling to be driven to a minimum capacity of 30 tons per pile and to a minimum penetration of 20 feet.



ELEVATION

DESIGN LIVE LOAD H-20 LOADING A.A.S.H.O. 1941
UNIT STRESSES:
Class "S" Concrete (n=10) 1000 ψ /in²
Reinforcing Steel 18000 ψ /in²
Structural Steel 18000 ψ /in²

Piling Note:-
All piling to be 16" octagonal precast concrete - Maximum load - 28 Tons per pile.
Drive one pile in Bent No. 4 as test pile. Cast pile 38 feet long.
Drive one pile in Bent No. 9 as test pile. Cast pile 35 feet long.

Drainage Area - See Bridge No. 2202
E.M. Nail in Power Pole # 419
90' Rt. Sta. 233+25 Elev. 209.08

Revisions. Construction line shifted 20' left. 5-6-46 H.B.

LAYOUT
BRIDGE OVER LITTLE RED RIVER RELIEF
SEARCY-JUDSONIA ROAD
WHITE COUNTY
ROUTE 67 SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Scale: 1 in. = 20 ft.
Drawn By: H.F.B. Date: 3-26-41
Traced By: B.W.D. Date: 4-3-41
Checked By: _____ Date: _____
BRIDGE NO. 2203 DRAWING NO. 6179

M. B. ...
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)