

13

3-27' I-Bm. Spans

Grade 1202.9

3'-0"

Ext. H.W. Elev 1198.8

Clip 1s

1 1/2 to 1 Slope Normal to bent

Natural Ground Line

Stream Bed Elev 1191.7

25'-0" Creosoted Timber Piles

Finished Ground Line

1 1/2 to 1 Slope Normal to bent

25'-0" Creos. Timber piles except as noted for wing piles

0" Creosoted Timber except as noted wing piles

1 2 3 4

Note: Channel to be cleared above and below site as shown on Road Plans.

GENERAL ELEVATION

Notes: A load of at least 20 ton per pile and with tips to at least Elev. 1177.0 All piles except those of wings of end bents shall be provided with metal shoes.
One timber test pile shall be driven near Bent No.2.

The drawing shows a plan view of a bridge structure with the following dimensions and labels:

- Left Wing:** Dimensions include 7'-5 3/8", 23'-4 3/8", 15'-10 3/8", 7'-1 1/8", 3'-6 3/8", 3'-6 3/8", 7'-1 1/8", 8'-0 3/8", 7'-5 3/8", and 22'-5 3/8". Stationing is marked as Sta. 132+12.67 and Sta. 132+14.0.
- Central Section:** Shows the roadway width of 22'-0" and the distance between bents. Dimensions include 26'-8", 27'-1", 80'-5", and 26'-8".
- Right Wing:** Dimensions include 7'-5 3/8", 22'-5 3/8", 14'-11 3/8", 10'-7 3/8", 10'-7 3/8", 8'-1 1/8", 7'-5 3/8", 23'-4 3/8", 15'-10 3/8", and 7'-5 3/8".
- Labels:** "E Bent", "E Roadway", "E Pile Cap", and "E Bent" are used to identify specific components.
- Angles:** An angle of 10.6418 degrees is indicated near the left wing, and a slope of 10.0000 is shown.

ESTIMATED QUANTITIES			
Item	Substr.	Superstr.	Total
Class 1 Excavation for Structures Cu.Yds.	10		10
Class 2 Excavation for Structures Cu.Yds.			
Class "B" Concrete Cu.Yds.		46.5	46.5
Fabricated Structural Steel Lbs.		33420	33420
Reinforcing Steel Lbs.		11760	11760
Crescoped Timber Piles in Place Lin.Ft.	540		540
Crescoped Timber F.B.Ft.	3460		3460
Timber Test Pile Lin Ft.	35		35

LOCATION SKETCH

Design Specifications A.A.S.H.U.-1935.
Loading H-10.
Structural Steel Stress 18,000 #/sq".
Reinforcing Steel Stress 13,000 #/sq".
Concrete Class "B" 3000 #/sq".
Crescoted Timber 1600 #/sq".
Excavation for structure shall be in accordance with Specification I of
Standard Specifications issued November 12, 1935 and will be allowed for all
bents within the horizontal limits shown and noted on these design plans,
Sheet No. 3.
All concrete to be Class "B".
All concrete shall be proportioned by the weight proportioning method.
Exposed edges to be beveled $\frac{1}{4}$ " where no other bevel is noted.
Bar supports and spacers will be required for reinforcing steel in super-
structure. See Standard C-110RI.
Where rubber compound is specified on plans for use in partition and
expansion joints, the pre-molded joint shall be securely stitched to one face
of concrete with copper wire.

Drainage Area: 4.5 Sq. Mi. - Light Hilly

FINISHED

FA.

FINISHED

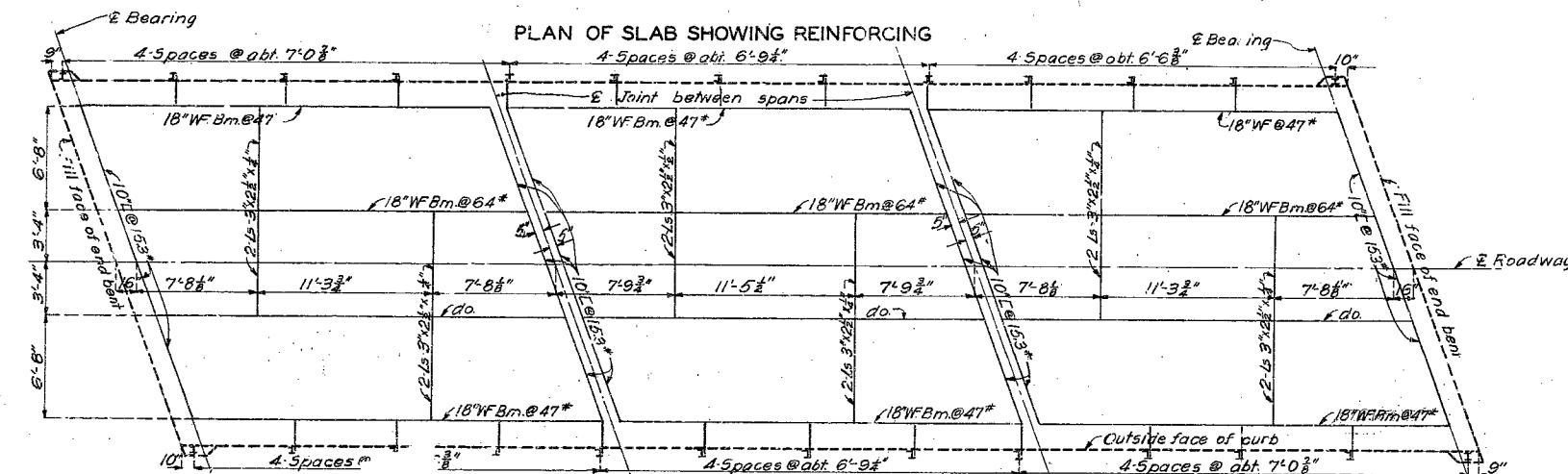
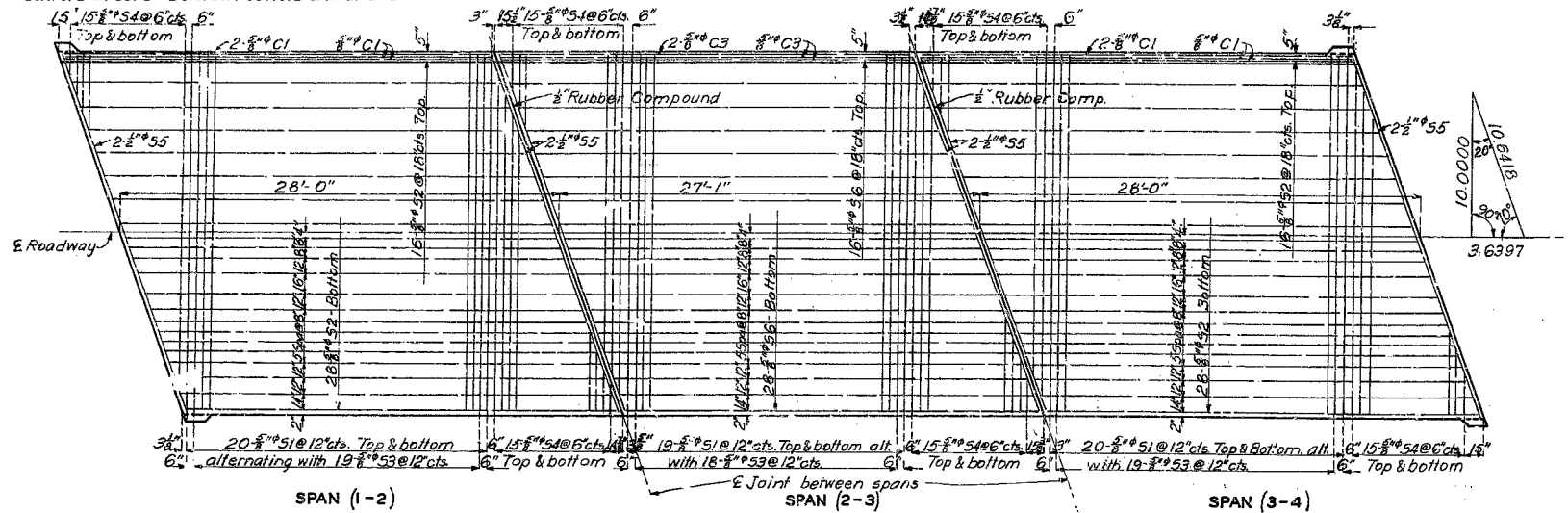
STD-C-11081

T-582

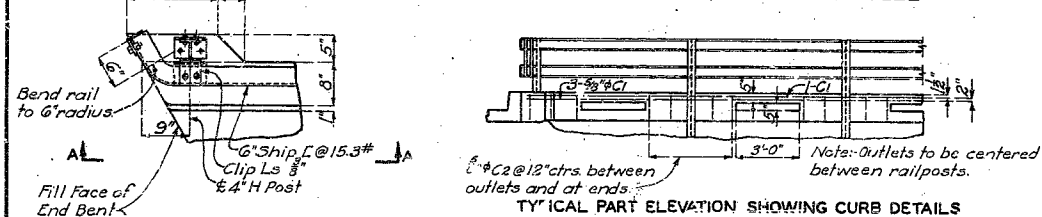
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO	695 B (1) (SB)	19		

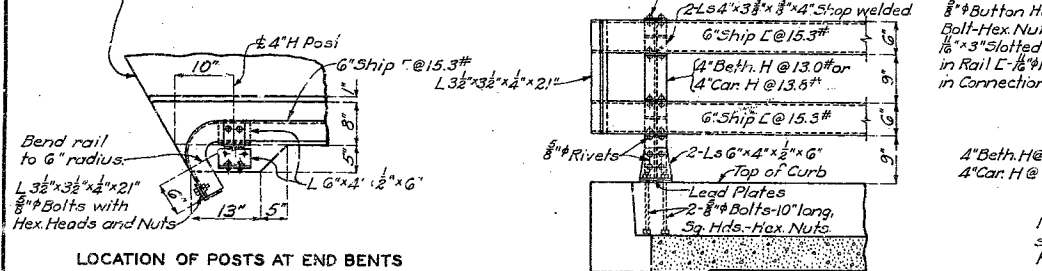
Note: Space dowel bars C2 at approximately 12" centers in curbs between outlets and at ends.



PLAN OF STRUCTURAL STEEL



TYPICAL PART ELEVATION SHOWING CURB DETAILS

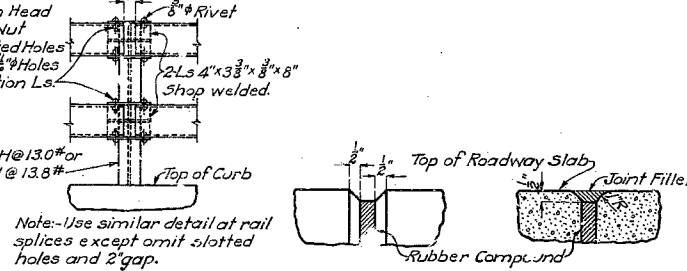


LOCATION OF POSTS AT END BENTS

SECTION A-A

Note: Top of curbs under and posts shall be finished to a smooth surface parallel to grade. Not less than one nor more than four soft lead plates of 1/2" thickness shall be used under angles of each end rail post for aligning rail to correct elevation. Plates shall be 8" x 6" and shall be punched 8" on same gauge as the angles. No grouting permitted. Cost of lead plates to be included in price bid for other items.

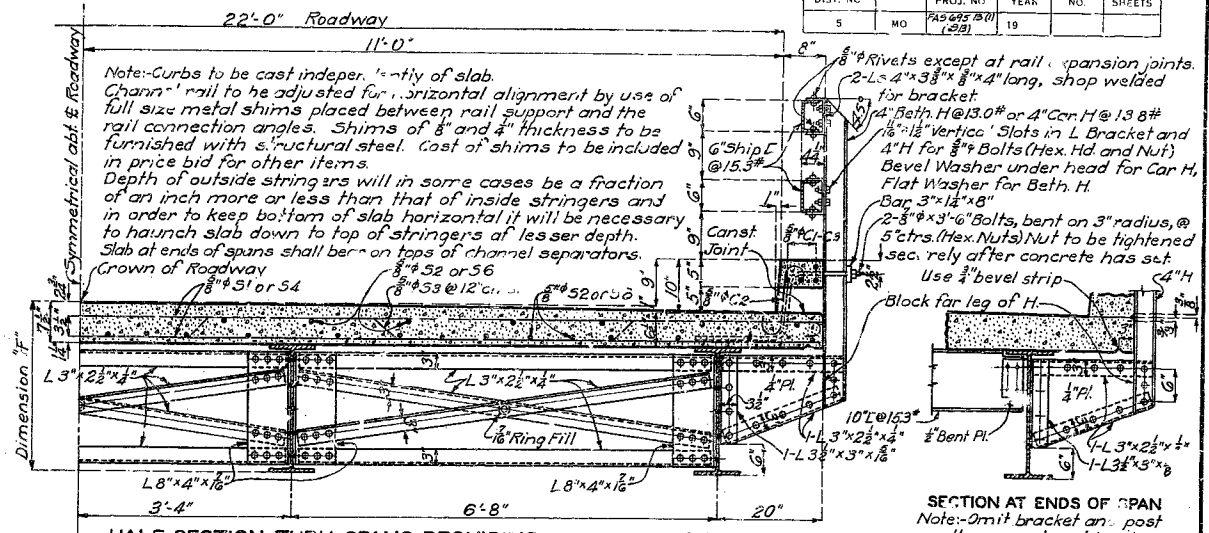
DETAILS OF RAIL



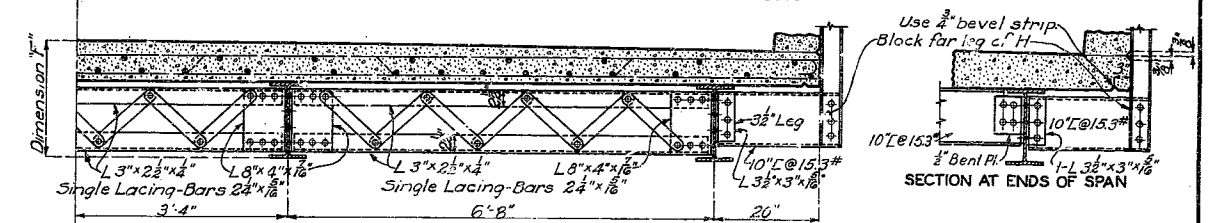
RAIL EXPANSION JOINT

Note: Use similar detail at rail splices except omit slotted holes and 2" gap.

DETAILS OF RUBBER COMPOUND JOINTS



HALF SECTION THRU SPANS REQUIRING 22'-0" ROADWAY



HALF SECTION THRU SPANS REQUIRING 14', 16' & 18' STRINGERS

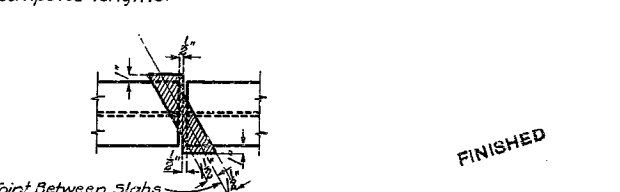
DATA FOR STRINGERS

Span	Wide Flange	Seams	Deflection	Dimens
15'-0"	14" @ 33"	14" @ 30"	1/8"	21 1/2"
17'-0"	14" @ 42"	14" @ 34"	1/8"	21 1/2"
19'-0"	16" @ 45"	16" @ 36"	1/8"	23 1/2"
21'-0"	16" @ 50"	16" @ 36"	1/8"	23 1/2"
23'-0"	16" @ 58"	16" @ 40"	1/8"	23 1/2"
25'-0"	18" @ 64"	18" @ 47"	1/8"	24 1/2"
27'-0"	18" @ 64"	18" @ 47"	1/8"	24 1/2"
29'-0"	21" @ 63"	21" @ 59"	1/8"	24 1/2"
31'-0"	21" @ 68"	21" @ 55"	1/8"	24 1/2"
33'-0"	21" @ 82"	21" @ 59"	1/8"	24 1/2"
35'-0"	21" @ 82"	21" @ 63"	1/8"	24 1/2"
37'-0"	24" @ 80"	24" @ 74"	1/8"	27 1/2"
39'-0"	24" @ 87"	24" @ 74"	1/8"	27 1/2"
41'-0"	24" @ 94"	24" @ 74"	1/8"	27 1/2"
43'-0"	24" @ 100"	24" @ 74"	1/8"	27 1/2"
45'-0"	24" @ 100"	24" @ 80"	1/8"	27 1/2"
47'-0"	27" @ 106"	27" @ 91"	1/8"	27 1/2"
49'-0"	27" @ 114"	27" @ 91"	1/8"	27 1/2"

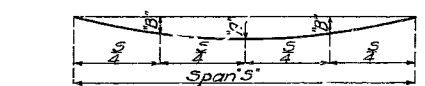
BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE

No.	Size	Length	Mark	Location
16	3/4"	27'-9"	C1	Curb
100	3/8"	2'-0"	C2	"
8	3/8"	26'-9"	C3	"
118	3/4"	23'-0"	S1	Slab
68	3/4"	27'-9"	S2	"
56	3/4"	25'-0"	S3	"
90	3/4"	27'-9"	S4	"
12	3/4"	24'-0"	S5	"
44	3/4"	26'-9"	S6	"

Note: Dimensions given are along centerline of bridge and are for computed lengths.



DETAIL OF RUBBER COMPOUND OVER STRINGERS AT EXPANSION JOINTS



DEFLECTION DIAGRAM

Note: Floor slab to be brought to grade and dead load deflection taken care of by increasing slab thickness. Depth of slab at outside face of curb to be kept uniform and bottom surface of slab warped between curb and outside beam to obtain required thickness at beam. Payment will be allowed for additional concrete required for thickening slab. This additional concrete is included in Estimated Quantities.

BRIDGE OVER DRY VALLEY

STATE ROAD FROM ROUTE 19 TO MAX...

ABOUT 5.75 MILES S.E. OF SALEM

PROJECT NO. FAS 695 B (1) (SB) STA. 132 + 12.67

DENT COUNTY

Sheet No. 2 of 3

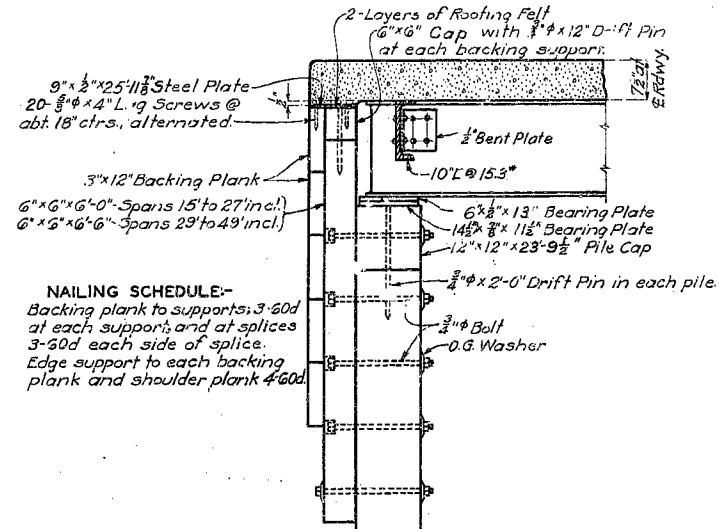
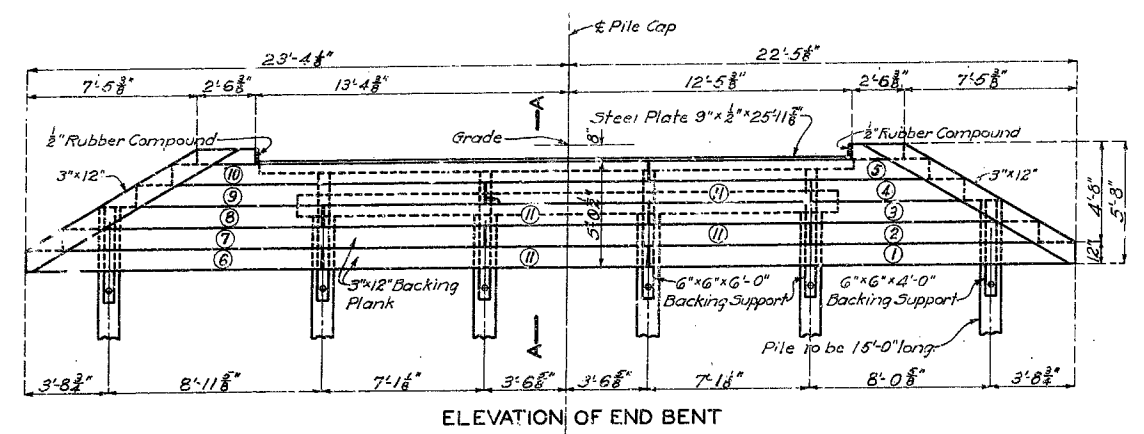
T-582

Drawn Jan. 1937 by J.B.J.
Traced Feb. 1937 by C.A.F. Assembled Aug. 1938 by C.S.A.
Checked Mar. 1937 by H.H.M. Checked Aug. 1938 by J.H.M.

Note: This drawing is not to scale. Follow dimensions.

MISSOURI STATE HIGHWAY DEPARTMENT

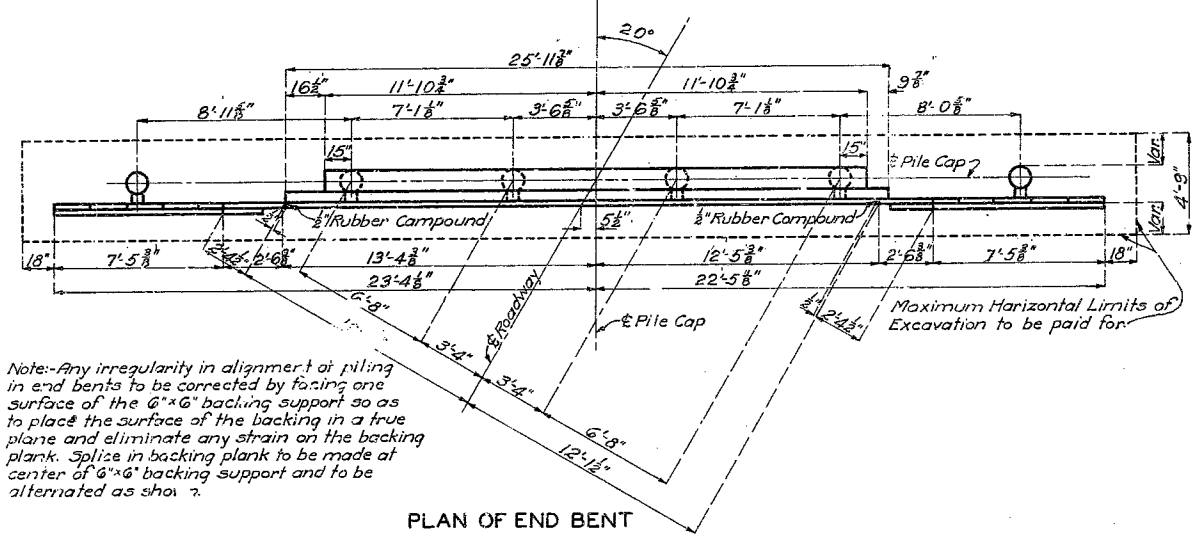
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO	FAS 65-2-01 (28)	17		



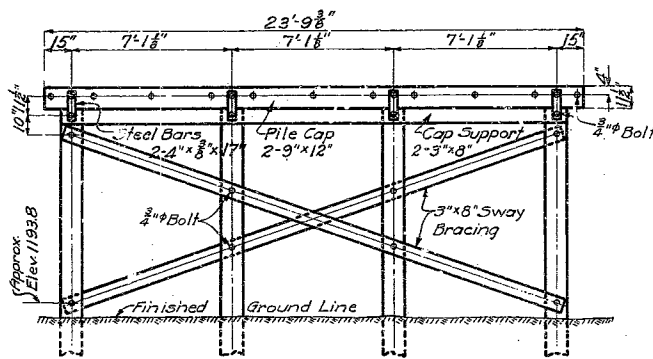
NAILING SCHEDULE:-
Backing plank to supports, 3-60d at each support and at splices 3-60d each side of splice.
Edge support to each backing plank and shoulder plank 4-60d.

SUBSTRUCTURE TIMBER SILL						
Piece	No.	Size	Length	Remarks	Shaping and Boring Sketches	
Backing Plank	①	2	3"x12"	19'-4 1/2"	Cut to length.	
"	②	2	3"x12"	10'-8 3/4"	"	
"	③	2	3"x12"	16'-2 1/2"	"	
"	④	2	3"x12"	7'-6"	"	
"	⑤	2	3"x12"	13'-0"	"	
"	⑥	2	3"x12"	13'-2 1/2"	"	
"	⑦	2	3"x12"	18'-8 1/2"	"	
"	⑧	2	3"x12"	10'-0 1/2"	"	
"	⑨	2	3"x12"	15'-6 3/4"	"	
"	⑩	2	3"x12"	21'-0 3/4"	"	
"	⑪	8	3"x12"	14'-8 3/4"	"	
"	⑫	2	3"x12"	3'-11"	"	
Edge Support	4	3"x12"	10'-11"	Cut to length & shape.		
Shoulder Plank	2	3"x8"	2'-6 3/8"	"		
"	2	3"x8"	2'-7 1/2"	"		
Backing Support	8	6"x6"	6'-0"	"		
"	4	6"x6"	4'-0"	"		
Backing Support Cap	2	6"x6"	25'-11 1/8"	Cut to length.		
"	"	6"x6"	6'-0"	"		
Pile Cap	2	12"x12"	23'-9 1/4"	"		
"	4	9"x12"	23'-9 3/8"	"		
Cap Support	4	3"x8"	22'-3 3/8"	"		
Sway Bracing	4	3"x8"	22'-8"	"		
Bearing Blocks		9"x		543 8 1/2"x		

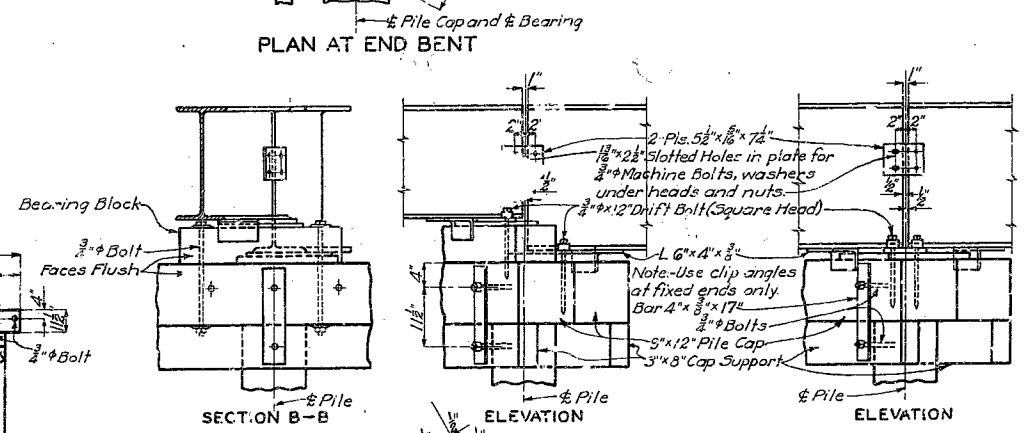
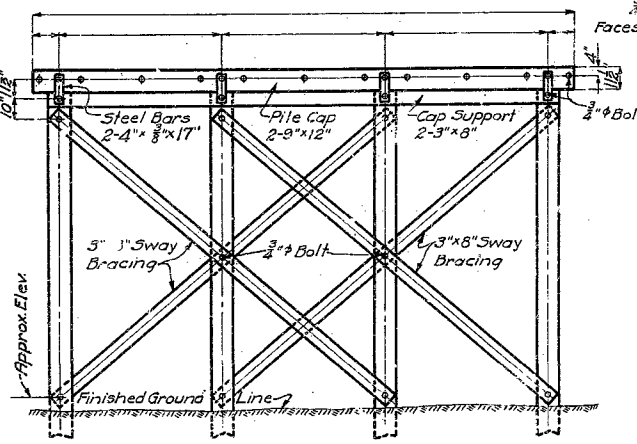
Note: Pile caps to be classified as 'Beams and Stringers'.
All other timber to be classified as 'Joists and Plank'.
* 5/8" to exactly 1 1/2" depth.



Note: Any irregularity in alignment at piling in end bents to be corrected by facing one surface of the 6"x6" backing support so as to place the surface of the backing in a true plane and eliminate any strain on the backing plank. Splice in backing plank to be made at center of 6"x6" backing support and to be alternated as shown.

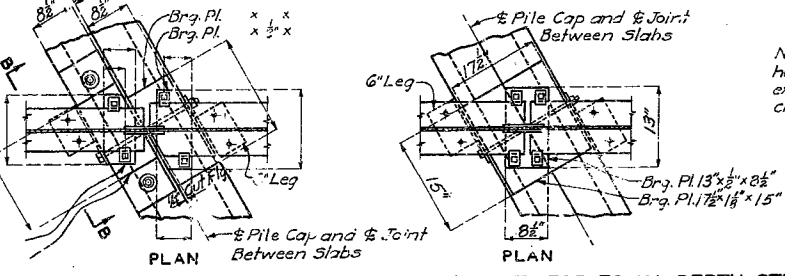


Note: Omit sway bracing when distance from bottom of pile cap to ground is less than 5'-0".
Excavation will be allowed for interior bents within the maximum horizontal limits of 4'-9" in width and 23'-9 1/2" in length.
A Teco Single Curve Spike Timber Grid as manufactured by the Timber Engineering Company or an approved equivalent spike grid shall be placed between piles and sway bracing at intermediate bents. See Special Provisions relative to installation.
All 4"x8"x17" Bars required for attaching pile caps to pile cap support are to be considered as substructure hardware and will be included in price bid for timber in place.



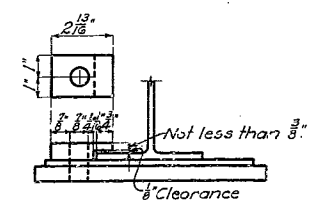
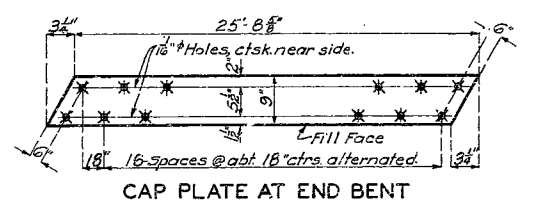
Note: Clip angle 6"x4"x 3/8" to be omitted at expansion ends of stringers. Holes in clip angles to be drilled in field to match holes shop punched in stringers. Vertical leg of clip angle to be notched where angle interferes with 4" bars.

INTERIOR BENTS FOR UNEQUAL DEPTH STRINGERS



INTERIOR BENTS FOR EQUAL DEPTH STRINGERS

Note: All bearing plates shall be straightened to plane surfaces.
Pile caps 12"x16" may be substituted for 2-9"x12" pile caps shown.



Note: Cast iron clamps used on bearing plates to have 1/8" clearance at flange of beam to allow for expansion. All clamps to have 3/8" bored holes. Use two clamps only on each I-beam at end bents.

BRIDGE OVER DRY VALLEY

STATE ROAD FROM ROUTE 19 TO MAX
ABOUT 5.75 MILES S.E. OF SALEM
PROJECT NO. FAS 65-2-B (1) (SB) STA. 132+12.67

DENT COUNTY

FINISHED

FINISHED

T-582

233

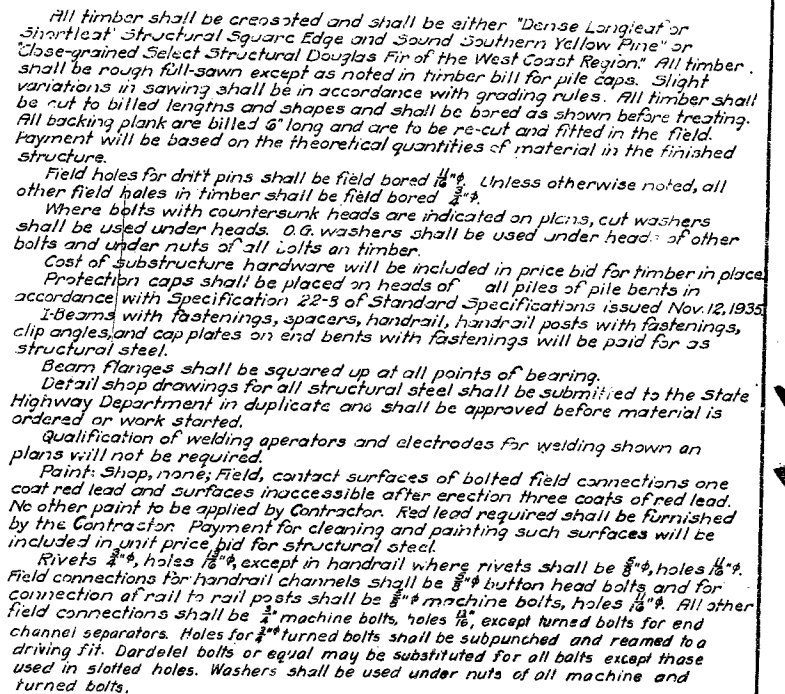
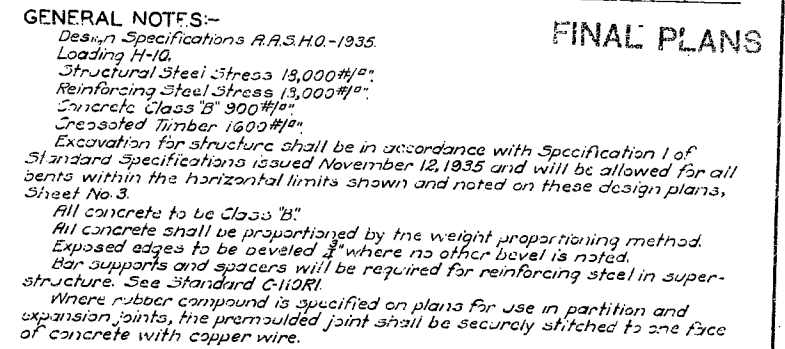
Drawn Jan. 1937 by J.B.J.
Traced Feb. 1937 by C.A.F.
Checked Mar. 1937 by H.H.M.
Assess. led Aug 1938 by C.S.A.
Checked Aug 1938 by J.M.M.

Note: This drawing is not to scale. Follow dimensions.

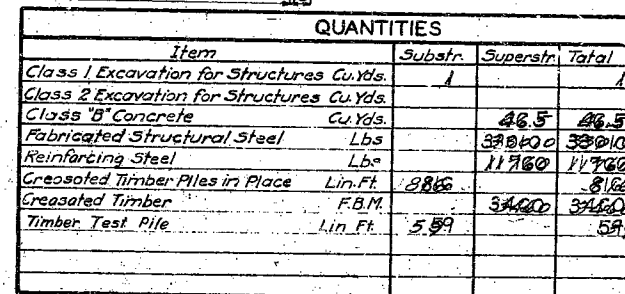
Sheet No. 3 of 3.

432

ED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
5	MO	FAY 69570 (55)	14		



FINISHED



FINISHED

FINAL PLANET

53

[illegible]

Note: Any irregularity in alignment of piling in end bents is to be corrected by fixing one surface of the 6"x6" backing support so as to place the surface of the backing in a true plane and eliminate any strain on the backing planks. Splice in backing plank to be made at center of 6"x6" backing support and to be alternated as shown.

Note-Omit sway bracing w. in distance from bottom of pile cap to ground is less than 5'-0"

Excavation will be allowed for interior bents within the maximum horizontal limits of 4'-9" in width and 23'-9 1/2" in length.

A TeCo Single Curve Spike Timber Grid as manufactured by the Timber Engineering Company or an approved equivalent spike grid shall be placed between piles and sway bracing on intermediate bents. See Special Provisions relative to installation.

All 4"x8"x10' Biers required for attaching pile caps to pile cap support are to be considered as substructure hardware and will be included in price bid for timber in place.

9"x $\frac{1}{2}$ "x25' $\frac{11}{16}$ " Steel Plate
20- $\frac{3}{8}$ " ϕ x $\frac{1}{2}$ " Lag Screws @
abt. 18" clrs., alternated.

3"x12" Backing Plank
6"x6"x6'-0". Spans 15' to 27' incl.
6"x6"x6'-6". Spans 29' to 49' incl.

2-Layers of Roofing Felt
6"x6" Cop with $\frac{1}{2}$ " ϕ x12" Drift Pin
at each backing support.

$\frac{1}{2}$ " Bent Plate
10" I @ 15.3°

6"x $\frac{1}{2}$ "x13" Be. ring Plate
14"x $\frac{3}{4}$ "x11 $\frac{1}{2}$ " Bearing Plate
12"x12"x23'-9 $\frac{1}{2}$ " Pile Cap

$\frac{1}{2}$ " ϕ x2'-0" Drift Pin in each pile.
 $\frac{1}{2}$ " ϕ Bolt
0.9" Washer

NAILING SCHEDULE:-
Backing plank to supports, 3-50d
at each support, and at splices
3-50d each side of splice.
Edge support to each backing
plank and shouler plank 4-60d

PLAN AT END BENT

ELEVATION

ELEVATION

Hand-drawn diagram of a rectangular structure with dimensions and annotations:

- Top horizontal dimension: $25' - 8\frac{1}{2}"$
- Left vertical dimension: $3\frac{1}{2}"$
- Right vertical dimension: $5'$
- Bottom horizontal dimension: $18'$
- Internal vertical dimension: $9'$
- Internal horizontal dimension: $16'$
- Annotation: "16" Holes, ctsk. near side." with arrows pointing to small circles along the top and bottom edges.
- Annotation: "Fill Face" with an arrow pointing to the right side.
- Annotation: "16 Spaces @ abt. 18" ctrs. alternated" with arrows pointing to the bottom edge.

Note:-Clip angle $6" \times 4" \times \frac{3}{8}"$ to be omitted an expansion ends of stringers. Holes in clip angles to be drilled in field to match holes shop punched in stringers. Vertical leg of clip angle to be notched where angle interferes with 4" bars.

INTERIOR BENTS FOR EQUAL DEPTH STRINGERS

STATE ROAD FROM ROUTE 19 TO MAX
ABOUT 5.75 MILES S.E. OF SALEM
PROJECT NO. FAS 695 B (1) (SB) STA. 132+12.67

COUNTY

Note:-This drawing is not to scale. Follow dimensions.

Sheet No. 3A of 2 FA

FINAL PLANS

STATE	PROJ. NO.	SHEET NO.
MO.	J950331	4
SEC/SUR 9	TWP 33N	RGE 5W


The temporary supports must be capable of safely supporting a service load of approximately ** tons per stringer. (Factor of safety not included) (See Special Provisions).





SHEET NO. 1 OF 1

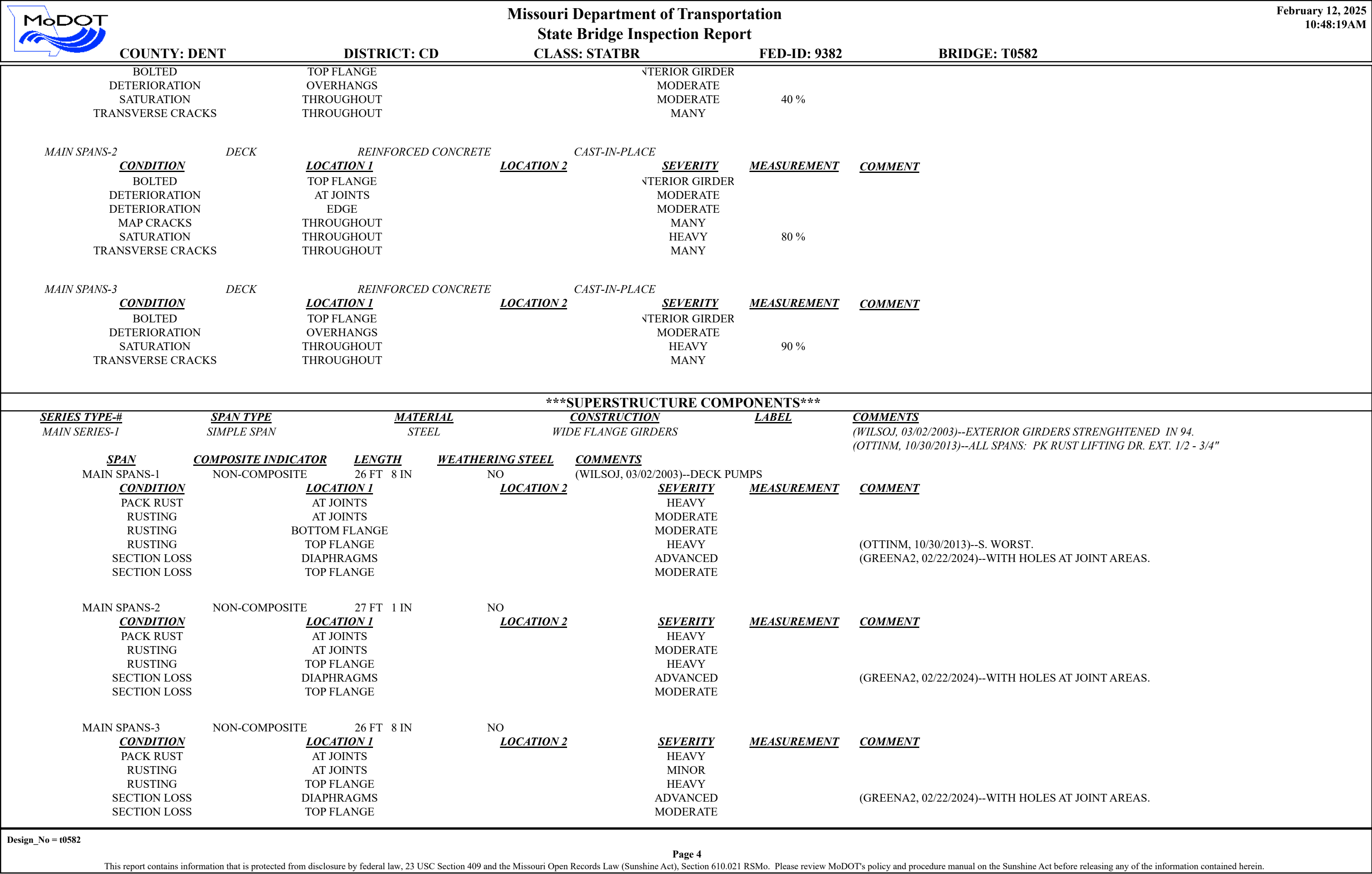
T05821

DATE 3/10/94

		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>February 12, 2025</div> <div>10:48:19AM</div>			
COUNTY: DENT		DISTRICT: CD		CLASS: STATBR		FED-ID: 9382		BRIDGE: T0582	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: RTBE</div> <div>FEATURE: DRY CREEK</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 2.481</div> <div>DETOUR: 31.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1939</div> <div>REHAB: 1994</div> <div>LOCATION: S 9 T 33 R 5 W</div> <div>LATITUDE: 37 34 32.64 (DMS)</div> <div>LONGITUDE: 91 28 56.35 (DMS)</div>		<div># SPANS: 3</div> <div>LANES ON: 2</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: WEST to EAST</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: RL-MAJOR COLLECTOR</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: CD</div> <div>MAINTENANCE COUNTY: DENT</div> <div>SUB AREA: 7H5K</div>		<div>PLACE CODE: 25570 FRANKLIN</div> <div>LENGTH: 83 FT 0 IN</div> <div>MAXIMUM SPAN: 27 FT 1 IN</div> <div>APPROACH ROADWAY: 20 FT 0 IN</div> <div>CURB TO CURB: 22 FT 0 IN</div> <div>OUT TO OUT: 23 FT 4 IN</div> <div>AADT: 563</div> <div>AADT YEAR: 2023</div> <div>AADT TRUCK: 10.3%</div> <div>FUTURE AADT: 788</div> <div>FUTURE AADT YEAR: 2043</div>		<div>DATE: 02/01/2024</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: JOE GREEN</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2:</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						<div>GENERAL INSPECTION COMMENTS</div>			
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
FRACTURE CRITICAL INSPECTION COMMENTS					INDEPTH INSPECTION COMMENTS				
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE: 02/01/2024</div> <div>FREQUENCY: 120</div> <div>TEAM LEADER: JOE GREEN</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 110</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</div>				
SPECIAL INSPECTION COMMENTS					UNDERWATER INSPECTION COMMENTS				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>					<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				
Design_No = t0582									
<div>Page 1</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>									

		Missouri Department of Transportation			February 12, 2025	
		State Bridge Inspection Report			10:48:19AM	
COUNTY: DENT		DISTRICT: CD	CLASS: STATBR	FED-ID: 9382	BRIDGE: T0582	
STRUCTURE POSTING						
APPROVED CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(26'-27'-26') SMP WF GDR SPANS (STRENGTHEN EXT GRDRS 1994)						
[ITEM 58] DECK: 3-SERIOUS CONDITION		COMMENTS: (WILSOJ, 03/02/2003)--BOLTED TO STRINGS IN 93.				
RATING : 02/22/2024		(OTTINM, 10/30/2013)--DECK SAT AND EDGE DET.				
		(GREENA2, 02/22/2024)--80%-90% SATURATION IN SPANS 2 AND 3.				
[ITEM 59] SUPER: 5-FAIR CONDITION		COMMENTS: (WILSOJ, 03/02/2003)--EXTERIOR GIRDERS STRENGTHENED IN 94				
RATING : 02/04/2015		(OTTINM, 02/04/2015)--MODERATE SECT LOSS TOP FLANGE.				
		(GREENA2, 02/22/2024)--ADVANCED SECTION LOSS WITH HOLES TO DIAPHRAGMS AT JOINT AREAS.				
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (OTTINM, 10/30/2012)--TP - HOLLOW & DETER				
RATING : 11/17/2010						
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE		COMMENTS: (OTTINM, 04/14/2015)--DEEPEN @ BENT 2. ABOUT 4' BELOW X-BR @ N. PILE (2013). MINOR EROSION UNDER BRIDGE; BRUSHY US.				
RATING : 04/14/2015						
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS:				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV		COMMENTS:				
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 02/13/2007		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		
REINFORCED CONCRETE		CURB		BOTH		
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		
DETERIORATION		VERTICAL JOINTS		<u>SEVERITY</u>		
STEEL		CHANNEL-DOUBLE		MINOR		
		BOTH		<u>COMMENT</u>		
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
Design_No = t0582						
Page 2						
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		Missouri Department of Transportation				February 12, 2025	
		State Bridge Inspection Report				10:48:19AM	
COUNTY: DENT		DISTRICT: CD		CLASS: STATBR		FED-ID: 9382	
				BRIDGE: T0582			
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		FAIR	
<u>COMMENTS</u> (OTTINM, 02/04/2015)--. (OTTINM, 02/04/2015)--NEW 2014.							
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS SEAL COAT	
						<u>THICKNESS</u>	
						.5 IN	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
						GOOD	
<u>COMMENT:</u> (OTTINM, 04/14/2015)--2007							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
LONGITUDINAL CRACKS		RANDOM				FEW	
PATCHES		THROUGHOUT				FEW	
PATCHES		RANDOM				FEW	
TRANSVERSE CRACKS		RANDOM				FEW	
<u>DECK PROTECTION</u>		<u>NOTAPPLICABLE</u>		<u>NONE</u>			
<u>COMMENT:</u>							
<u>MEMBRANE</u>		<u>LIQUID SEALANT</u>		<u>BUILT-UP</u>			
<u>COMMENT:</u>							
<u>SECONDARY DECK PROTECTION</u>		<u>LIQUID SEALANT</u>		<u>INTERNALLY SEALED</u>		<u>2023</u>	
						<u>PAVON INDECK</u>	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
DRAINAGE		REINFORCED CONCRETE		CURB OUTLET		<u>COMMENTS</u>	
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
BENT-2				CLOSED EXPANSION JOINT		FELT	
						<u>CONSTRUCTION</u>	
						FILLED JOINT	
						<u>GAP</u>	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
<u>COMMENT:</u>							
BENT-3				CLOSED EXPANSION JOINT		FELT	
						<u>CONSTRUCTION</u>	
						FILLED JOINT	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
BANK PROTECTION		ROCK		GROUTED		BOTH	
<u>COMMENTS</u>							
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
Design_No = t0582							
Page 3							
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MoDOT

COUNTY: DENT

DISTRICT: CD

CLASS: STATBR

FED-ID: 9382

BRIDGE: T0582


SUBSTRUCTURE COMPONENTS


<u>SUBSTRUCTURE</u>	<u>SKEW</u>	<u>LENGTH</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>
ABUTMENT-1	RA-20 DEGREES	23 FT 9 IN	TIMBER	NON-INTEGRAL		(OTTINM, 10/30/2013)--LOOKS GOOD
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>			<u>MATERIAL</u>	<u>CONSTRUCTION</u>		
BEAM CAP			TIMBER	BEAM		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
PILING			TIMBER	OTHER		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
STRAIGHT WINGS			TIMBER	PLANKS		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
WING PILES			TIMBER	OTHER		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
BACKWALL			TIMBER	PLANKS		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
EXPANSION BEARING			STEEL	SLIDING FLAT PLATE		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
BENT-2	RA-20 DEGREES	23 FT 9 IN	TIMBER	PILE CAP		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>			<u>MATERIAL</u>	<u>CONSTRUCTION</u>		
BEAM CAP			TIMBER	BEAM		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	CRUSHING		AT PILING		MINOR	
	ROTTEN		ENDS		MODERATE	
PILING			TIMBER	OTHER		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	HOLLOW		THROUGHOUT		NOT APPLICABLE	
CROSS BRACING			TIMBER	PLANKS		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	SPLITTING		RANDOM		MINOR	
EXPANSION BEARING			STEEL	SLIDING FLAT PLATE		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
BENT-3	RA-20 DEGREES	23 FT 9 IN	TIMBER	PILE CAP		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>			<u>MATERIAL</u>	<u>CONSTRUCTION</u>		
BEAM CAP			TIMBER	BEAM		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	CRUSHING		AT PILING		MINOR	
PILING			TIMBER	OTHER		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	HOLLOW		THROUGHOUT		NOT APPLICABLE	
	SPLITTING		RANDOM		MINOR	
CROSS BRACING			TIMBER	PLANKS		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
EXPANSION BEARING			STEEL	SLIDING FLAT PLATE		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
ABUTMENT-4	RA-20 DEGREES	23 FT 9 IN	TIMBER	NON-INTEGRAL		(OTTINM, 10/30/2013)--LOOKS GOOD.

Design_No = t0582

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		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>February 12, 2025</div> <div>10:48:19AM</div>					
COUNTY: DENT		DISTRICT: CD		CLASS: STATBR		FED-ID: 9382		BRIDGE: T0582			
<div><div><div>CONDITION</div><div>ASSOCIATED COMPONENT</div></div><div>BEAM CAP</div></div>		<div><div><div>LOCATION 1</div><div>MATERIAL</div></div><div>TIMBER</div></div>		<div><div><div>LOCATION 2</div><div>CONSTRUCTION</div></div><div>BEAM</div></div>		<div><div><div>SEVERITY</div></div><div>MINOR</div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
<div><div><div>CONDITION</div><div>SPLITTING</div></div><div>PILING</div></div>		<div><div><div>LOCATION 1</div><div>THROUGHOUT</div></div><div>TIMBER</div></div>		<div><div><div>LOCATION 2</div><div>OTHER</div></div></div>		<div><div><div>SEVERITY</div></div><div></div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
<div><div><div>CONDITION</div><div>STRAIGHT WINGS</div></div></div>		<div><div><div>LOCATION 1</div><div>TIMBER</div></div></div>		<div><div><div>LOCATION 2</div><div>PLANKS</div></div></div>		<div><div><div>SEVERITY</div></div><div></div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
<div><div><div>CONDITION</div><div>WING PILES</div></div></div>		<div><div><div>LOCATION 1</div><div>TIMBER</div></div></div>		<div><div><div>LOCATION 2</div><div>OTHER</div></div></div>		<div><div><div>SEVERITY</div></div><div></div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
<div><div><div>CONDITION</div><div>BACKWALL</div></div></div>		<div><div><div>LOCATION 1</div><div>TIMBER</div></div></div>		<div><div><div>LOCATION 2</div><div>PLANKS</div></div></div>		<div><div><div>SEVERITY</div></div><div></div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
<div><div><div>CONDITION</div><div>EXPANSION BEARING</div></div></div>		<div><div><div>LOCATION 1</div><div>STEEL</div></div></div>		<div><div><div>LOCATION 2</div><div>SLIDING FLAT PLATE</div></div></div>		<div><div><div>SEVERITY</div></div><div></div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
<div><div><div>CONDITION</div></div></div>		<div><div><div>LOCATION 1</div></div></div>		<div><div><div>LOCATION 2</div></div></div>		<div><div><div>SEVERITY</div></div><div></div></div>		<div><div><div>MEASUREMENT</div></div><div></div></div>		<div><div><div>COMMENT</div></div><div></div></div>	
OVER/UNDER ROUTES CLEARANCE INFORMATION											
<div><div><div>CLEARANCES OVER DECK</div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div></div></div>											
<div><div><div>VERTICAL CLEARANCE TYPE**</div><div>VALUE</div><div>DIRECTION</div><div>DATE</div><div>COMMENT</div></div></div>											
<div><div><div>CLEARANCES UNDER BRIDGE</div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div></div></div>											
<div><div><div>RECORD #</div><div>ROUTE</div><div># LANES</div><div>DIRECTION OF TRAFFIC</div><div>RIGHT LATERAL CLEARANCE</div><div>LEFT LATERAL CLEARANCE</div><div>UR-ID</div></div></div>											
<div><div><div>VERTICAL CLEARANCE TYPE**</div><div>VALUE</div><div>DIRECTION</div><div>DATE</div><div>COMMENT</div></div></div>											
STRUCTURE PAINT INFORMATION											
Design_No = t0582											
<div>Page 6</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>											

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COUNTY: DENT		DISTRICT: CD		CLASS: STATBR		FED-ID: 9382																																					
						BRIDGE: T0582																																					
CONDITION: FAIR		RUST AMOUNT : 8=.1% OF SURFACE RUSTED		STEEL TONS : 17																																							
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>		<u>DEPARTMENT REPAINT</u>																																							
PAINT TYPE : C SYSTEM		PAINT TYPE :		PAINT TYPE : 1 SYSTEM		MANUFACTURE :WATSON																																					
NAME : INORGANIC ZINC/VINYL		NAME :		NAME : CAL-ALUM SULPH/SYS C		SURFACE PREP :HAND CLEANED																																					
PAINT COLOR : GREEN		PAINT COLOR :		PAINT COLOR : GRAY																																							
PAINT YEAR : 1983		PAINT YEAR :		PAINT YEAR : 2007																																							
MILS : 6		MILS :		MILS : 12																																							
REQUESTED WORK ITEMS																																											
GENERAL WORK COMMENTS:																																											
<i>RESPONSIBILITY</i>	<i>LOCATION</i>	<i>ITEM</i>	<i>CATEGORY</i>	<i>PRIORITY</i>	<i>DATE</i>	<i>WORK ITEM COMMENT</i>																																					
DISTRICT SPECIAL	ROADWAY SURFACE	SEAL DECK WITH IN DECK	DECK	3	10/03/2026																																						
UTILITY ATTACHMENTS																																											
<i>UTILITY</i>	<i>OWNER</i>	<i>METHOD</i>	<i>MEASUREMENT TYPE</i>	<i>VALUE</i>	<i>NUMBER</i>	<i>UTILITY ATTACHMENT COMMENT</i>																																					
PROGRAM NOTES INFORMATION																																											
<u>YEAR</u>	<u>PROJECT #</u>	<u>MONTH LET</u>	<u>YEAR LET</u>	<u>ITEMS</u>	<u>COMMENT</u>																																						
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS					***ADVANCED SIGN INFORMATION***																																						
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS. <table><tr><td><u>Rated Item</u></td><td><u>Rating</u></td><td><u>Rating Date</u></td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>5-BETTER THAN MINIMUM</td><td>5/18/2001</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>4-MEETS MINIMUM TOLERABLE</td><td>5/18/2001</td></tr><tr><td>[Item 69] Underclearance:</td><td>N-NOT APPLICABLE</td><td>5/18/2001</td></tr><tr><td>Sufficiency Rating:</td><td>47.6%</td><td>1/16/2025</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>2/22/2022</td></tr><tr><td>Funding Eligibility:</td><td></td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td></td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td></td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td></td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td></td><td>----</td></tr></table> NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	5-BETTER THAN MINIMUM	5/18/2001	[Item 68] Deck Geometry Rating:	4-MEETS MINIMUM TOLERABLE	5/18/2001	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	47.6%	1/16/2025	Deficiency:	STRUCTURAL	2/22/2022	Funding Eligibility:		----	Estimated New Structure Length:		----	Estimated Structure Cost:		----	Estimated Total Project Cost:		----	Year of Cost Estimate:		----	SIGN # 1			SIGN TYPE	PROBLEM	PROBLEM DIRECTION
					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>																																				
					[Item 67] Structure Evaluation Rating:	5-BETTER THAN MINIMUM	5/18/2001																																				
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Estimated Total Project Cost:		----																																									
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			OUTFALL INSPECTION INFORMATION																																								
			# OUTFALLS:		INSPECTOR:																																						
			STATUS:		DATE:																																						
			NOTES:																																								



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

February 12, 2025
11:04:41am

COUNTY : DENT BRIDGE : T0582 1 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 1/16/2025 SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	DENT	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	9382	5D	Route Number	0000B
27	Year Built	1939	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1994	7	Facility Carried	RT B E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	HISTORICAL SIGNIF UNKNWN	26	Functional Classification	07-RURAL MAJOR COLLECTOR
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE NOT A DEFENSE HWY
112	NBIS Bridge Length	YES	104	National Highway System	NOT ON NHS
			105	Federal Lands Highway	NOT APPLICABLE
			110	Designated Nat. Network	NO
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	FRANKLIN	29	AADT	563
	Code	25570	30	AADT Year	2023
9	Location	S 9 T 33 N R 5 W	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	2.50 miles	109	AADT Truck Percent	10%
16	Latitude	37 D 34 M 33 S	114	Future AADT	788
17	Longitude	91 D 28 M 56 S	115	Future AADT Year	2043
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	DRY CREEK	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	31.25 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	20 Ft. 0 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	20.00 Degrees
54B	Vert. Clearance	0 Ft. 0 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	N/A	47	Total Horiz. Clear	21 Ft. 12 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	27 Ft. 3 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	83 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ	50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	21 Ft. 12 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	23 Ft. 4 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = t0582



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

February 12, 2025
11:04:41am

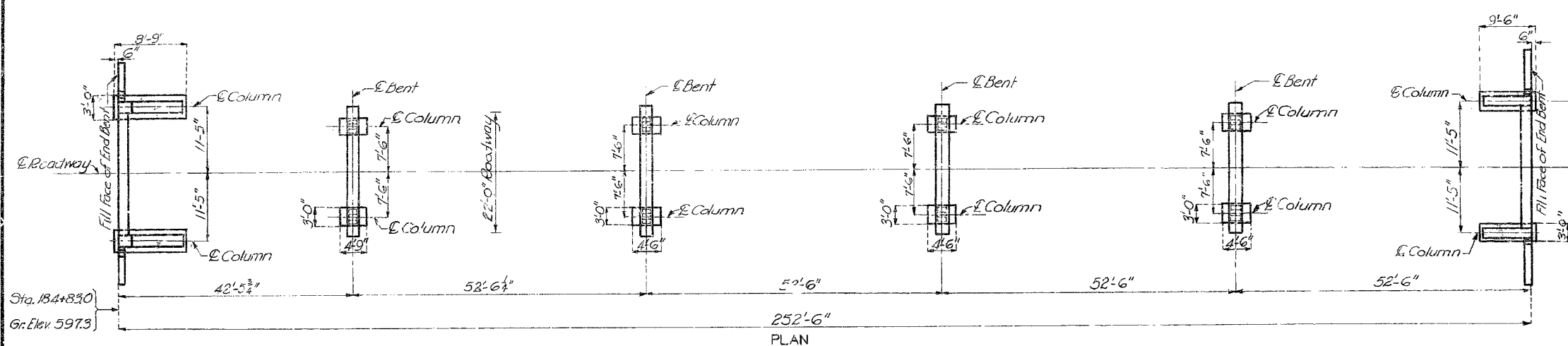
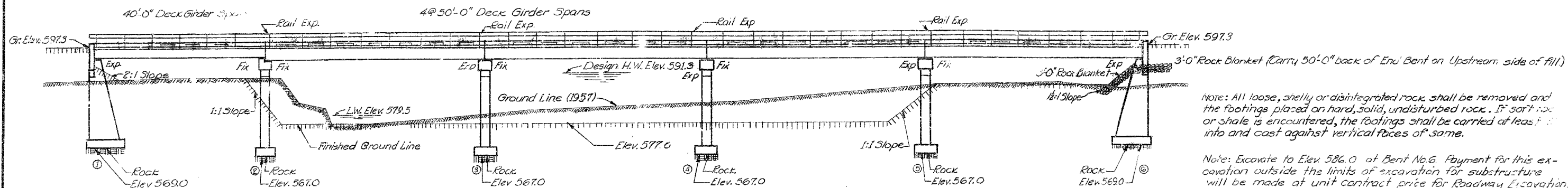
COUNTY : DENT BRIDGE : T0582 1 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 1/16/2025 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	STEEL
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	3
64	Operating Rating	31 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	20 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	20.0-29.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 47.6 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility FULL			CONDITION RATING INFORMATION		
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	58	Deck Cond. Rating	3
75B	Work Done By	Contract	59	Superstructure Cond. Rating	5
76	New Struc Length	111 Ft. 7 In.	60	Substructure Cond. Rating	5
94	Struc Improve Cost	\$ 649,000	61	Channel /Channel Protection Cond. Rating	6
95	Roadway Improve Cost	\$ 65,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 974,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2025	90	Gen. Insp Date	2 / 24
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	24 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	5	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	4	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	8	98	Neighboring State Code	
72	Approach Road App. Rating	6	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	8	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-7			Field Posting Category S-7		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign 17			Tonnage Values for Posting Sign 17		
General Text for Posting Sign			General Text for Posting Sign		
TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.			TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.		

Design_No = t0582

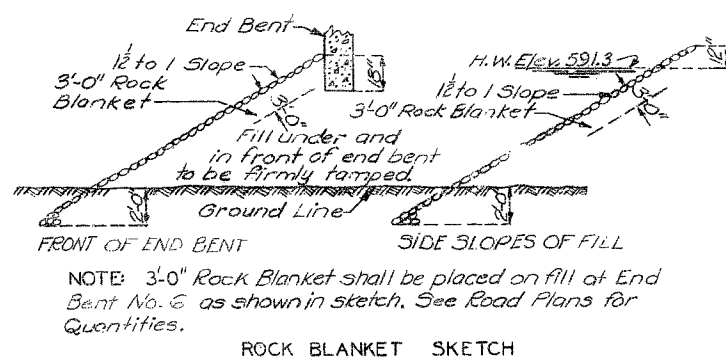
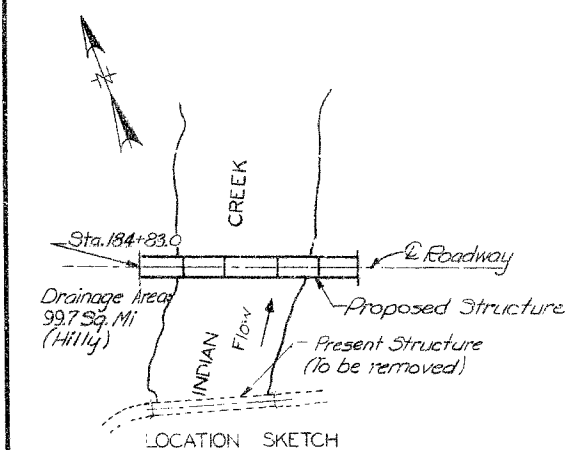
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	16	



GENERAL NOTES:

Design Specifications A.A.S.T.O. - 1953
 Loading H15 - 44
 Structural Steel Stress 18,000 #/sq. in.
 Reinforcing Steel Stress 20,000 #/sq. in.
 Concrete Class "B" Stress 1200 #/sq. in.
 All concrete shall be Class "B".
 Where joint filler is specified on the plans it shall conform with the requirements for Gray Rubber Compound Joints as given in Section 59-22B of the Standard Specifications.
 Paint: Shop, none, except as noted on bearing detail; Field, contact surfaces of bolted field connections, one coat of red lead and surfaces inaccessible after erection, three coats of red lead. No other paint to be applied by Contractor. Red lead required shall be furnished by Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for Fabricated Structural Steel.
 Bolts: 3/4" ; Holes 1/2" except as noted.
 Qualification of welding operators will be required.



ESTIMATED QUANTITIES		Substr.	Superstr.	Total
Item				
Class 1 Excavation for Structures	Cu. Yds.	130		130
Class 2 Excavation for Structures	Cu. Yds.	305		305
Class "B" Concrete	Cu. Yds.	126.0	256.9	382.9
Reinforcing Steel	Lbs.	14,020	94,000	108,020
Fabricated Structural Steel (Bearings)	Lbs.		6,380	6,380
Fabricated Structural Steel (Handrail)	Lbs.		16,510	16,510

Note: Excavation for bridge made above Elev. 580.5 will be paid for as Class 1 Excavation for Structures.
 Excavation for bridge made below Elev. 580.5 will be paid for as Class 2 Excavation for Structures.

Sheet No. 1 of 7.

B.M. #19 Elev. 583.32. 4 in conc. v. cor. of E. end of low water line 163' Rt. Sta. 186+10. (U.S.G.S. Datum)

BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE SD(14) EASTERLY.
 ABOUT 10.5 MILES EAST OF SULLIVAN
 PROJECT NO. S-7675(SH) STA. 184 + 83.0

WASHINGTON COUNTY

SUBMITTED BY J. A. Williams DATE 6-3-1958
 APPROVED BY Rex M. Whitton DATE 6-3-1958

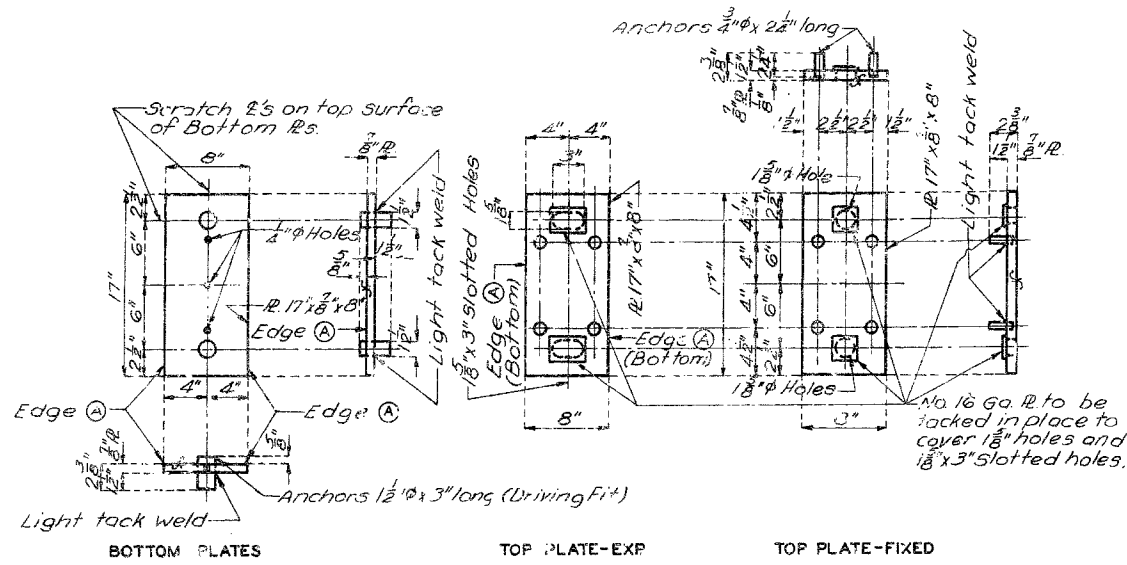
Sta. 110.06
 A-331

Drawn Mar. 1958 by J.M.G.
 Checked April 1958 by D.L.V. Revised 1-19-54 by D.L.V.

Note: This drawing is not to scale. Follow dimensions.

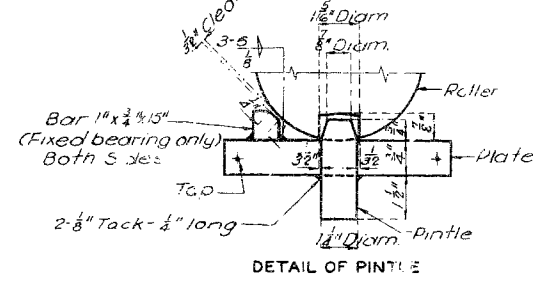
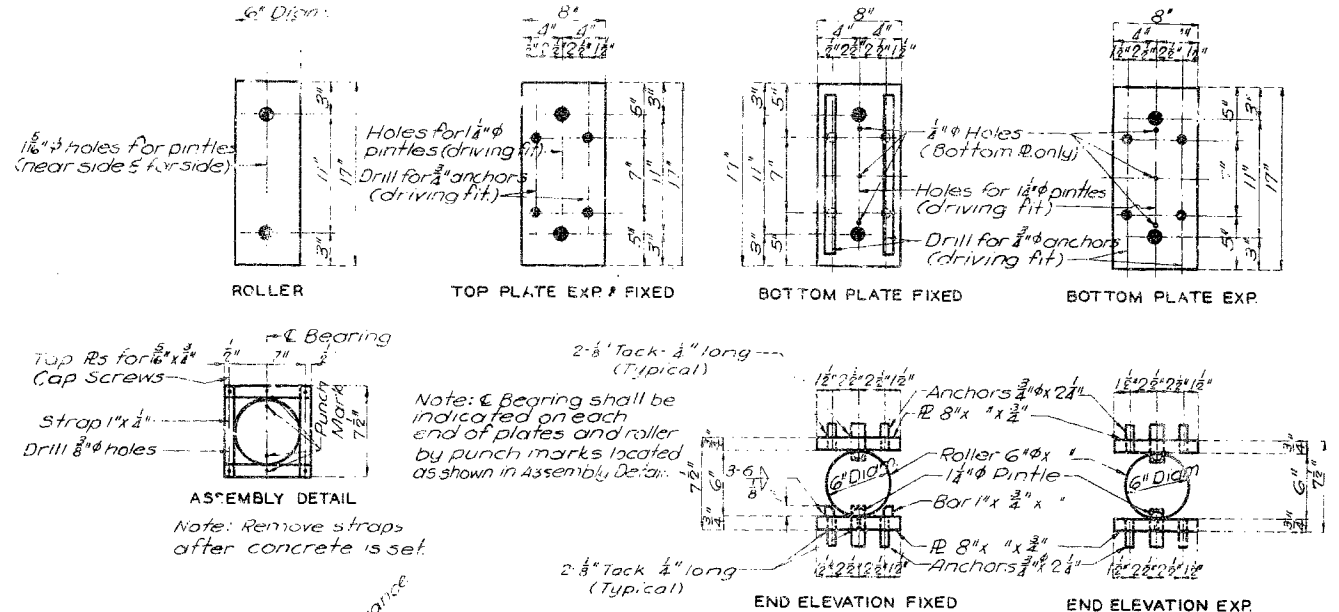
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		19	17	



Notes for bearings:
Holes in 8" plates for $\frac{3}{8}$ " ϕ \times 2 1/2" and 1 1/2" ϕ \times 3" anchors shall be made for driving fit. After anchors are driven in place they shall be lightly tack welded to 8" plates.
Surfaces marked 'S' shall be finished. All finished surfaces shall be coated with white lead and follow in shop and just prior to placing plates in concrete all finished surfaces shall be thoroughly cleaned and coated with a mixture of white and red.
Edge (A) to be rounded (1/8" to 3/4" radius)
Material: A.S.T.M. A7

DETAILS OF BEARING PLATES



DETAILS OF BEARING DEVICE

Note: Material for plates and 1" \times 1/2" bars shall be U.S. T-1 alloy steel or equivalent. Material for rollers and pintles shall be cold finished carbon steel A.I.S.I. C1012 or C1015 (turned and polished).
E6015 or E6016 welding electrodes shall be used for welding.
All bearing plates shall be straightened to plane surfaces.
Paint: Shop, one coat red lead except top surface of top plates and bottom surface of bottom plates. Field, one coat brown and second coat aluminum. Payment for cleaning and painting such surfaces will be included in price for items painted.

BILL OF REINFORCING STEEL - SUBSTRUCTURE					BILL OF REINFORCING STEEL - SUPERSTRUCTURE				
No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams				
End Bent No. 1					Int. Bent No. 3, 4 & 5				
20	#7	5'-3"	D1	Footings	8'-2'-3"	3'-5'-6"	8'-2'-11"	3'-6'-6"	48 #6 4'-0" D2 Footings
8	#6	7'-6"	F1	Haunch	2'-3"	6'-3"	5'-6"	10'-0"	24 #6 7'-6" F2 Haunch
5	#6	24'-3"	H1	Beam	2'-3"	6'-3"	5'-6"	10'-0"	24 #6 7'-6" F3 "
3	#5	24'-3"	H2	"	2'-3"	6'-3"	5'-6"	10'-0"	6 #6 22'-0" G1 Beam
2	#4	24'-3"	H3	"	2'-3"	6'-3"	5'-6"	10'-0"	18 #7 24'-3" G4 "
6	#10	24'-3"	H4	"	2'-3"	6'-3"	5'-6"	10'-0"	15 #8 22'-0" G5 "
8	#6	15'-0"	H5	Wing	2'-3"	6'-3"	5'-6"	10'-0"	120 #3 7'-5" P1 Column
4	#6	14'-0"	H6	"	2'-3"	6'-3"	5'-6"	10'-0"	69 #4 11'-3" U3 Beam
4	#6	14'-0"	T1	"	2'-3"	6'-3"	5'-6"	10'-0"	24 #4 3'-0" U4 "
6	#6	17'-3"	T2	"	2'-3"	6'-3"	5'-6"	10'-0"	48 #6 24'-0" V6 Column
25	#4	10'-6"	U1	Beam	2'-3"	6'-3"	5'-6"	10'-0"	
6	#4	2'-3"	U2	"	2'-3"	6'-3"	5'-6"	10'-0"	
7	#4	8'-6"	V1	Wing	2'-3"	6'-3"	5'-6"	10'-0"	
12	#7	23'-6"	V2	Column	2'-3"	6'-3"	5'-6"	10'-0"	
8	#7	24'-3"	V3	"	2'-3"	6'-3"	5'-6"	10'-0"	
12	#4	20'-0"	V4	"	2'-3"	6'-3"	5'-6"	10'-0"	
Int Bent No. 2					Int Bent No. 6				
16	#6	4'-0"	D2	Footings	20 #4 24'-3" H9 "				
8	#6	7'-6"	F2	Haunch	7 #10 24'-3" H10 "				
8	#6	7'-6"	F3	"	12 #6 16'-0" H11 Wing				
4	#6	22'-0"	G1	Beam	4 #6 17'-0" T3 "				
4	#8	24'-3"	G2	"	6 #6 18'-9" T4 "				
5	#8	22'-0"	G3	"	25 #4 12'-6" U6 Beam				
40	#3	7'-9"	P1	Column	8 #4 3'-3" U7 "				
23	#4	11'-3"	U3	Beam	8 #4 10'-6" V7 Wing				
8	#4	3'-0"	U4	"	12 #6 22'-6" V8 Column				
31	#5	3'-3"	U5	"	8 #6 23'-6" V9 "				
16	#6	24'-0"	V6	Column	36 #3 17'-3" V10 "				
					12 #4 18'-9" V11 "				

Note: See sheets #5 and #6 for Bill of Reinforcing for Superstructure.

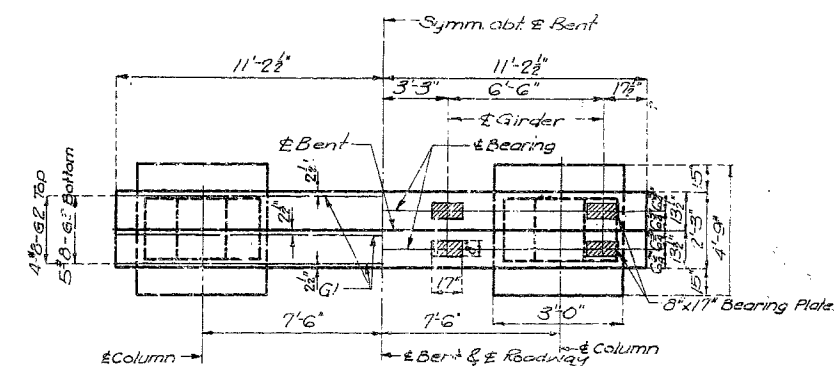
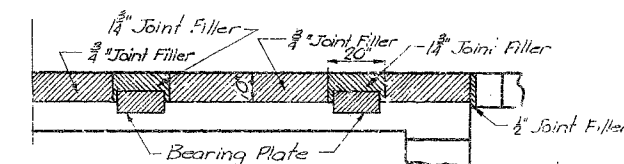
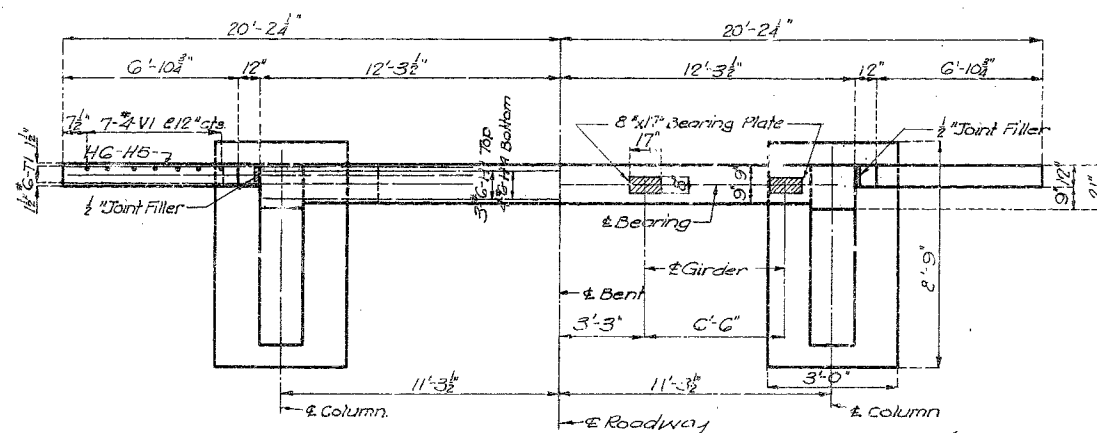
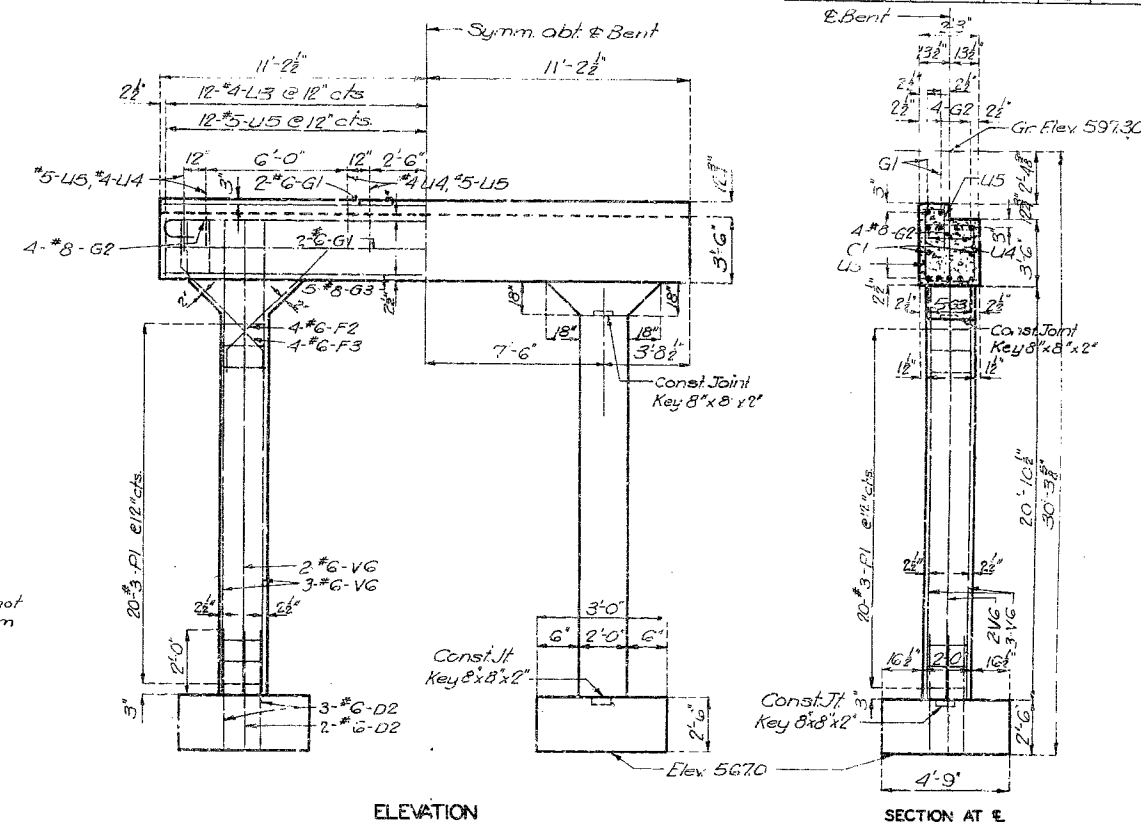
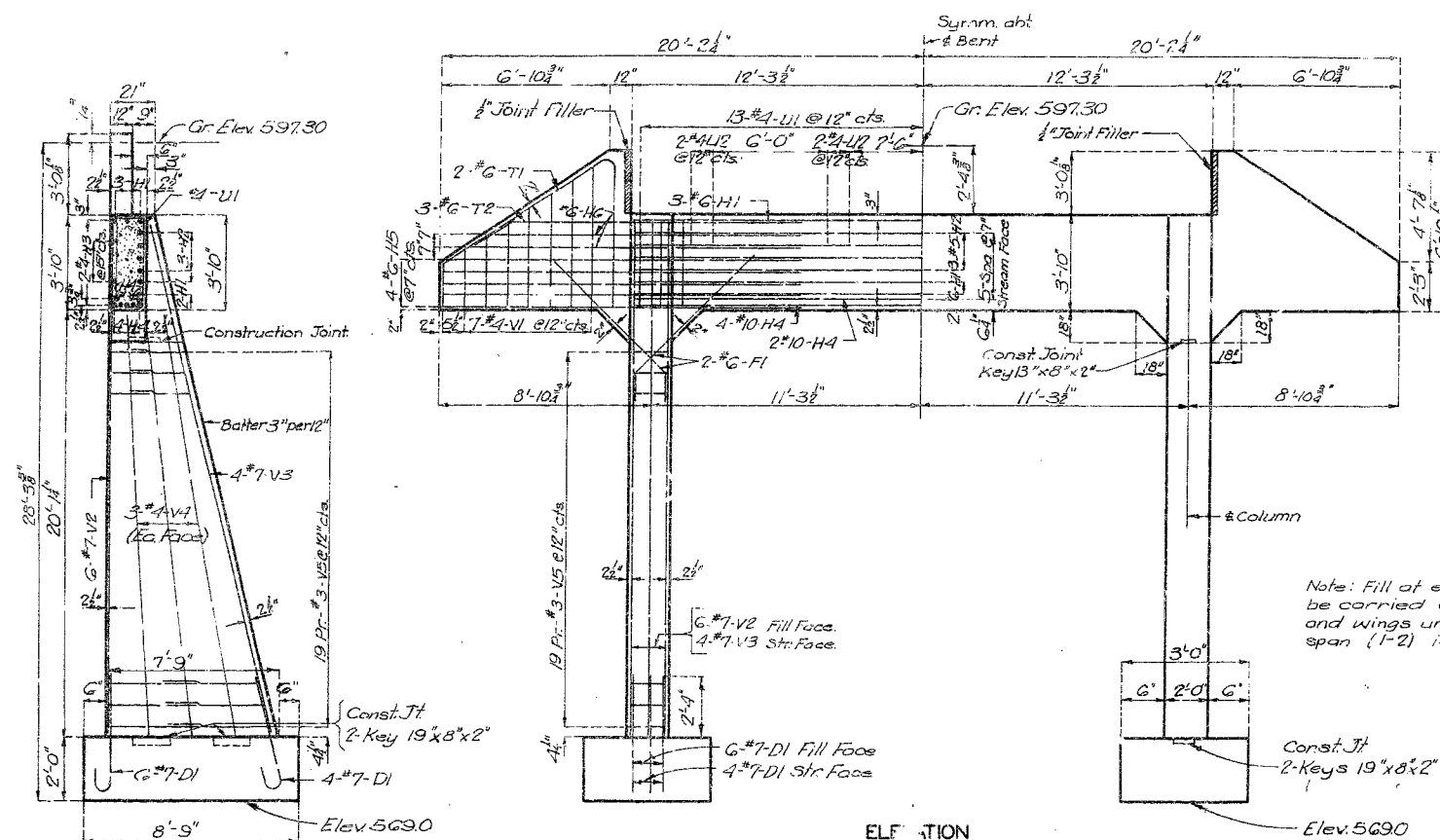
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2 of 7.

BRIDGE OVER INDIAN CREEK
STATE ROAD FROM ROUTE SD(114) EASTERLY
ABOUT 10.5 MILES EAST OF SULLIVAN
PROJECT NO. S-767(5) (SH) STA. 184+83.0
WASHINGTON COUNTY

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
5	MO.		19	2	



BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE SD(114) EASTERLY
ABOUT 10.5 MILES E. OF SULLIVAN
PROJECT NO. S-767(5) (SH) STA. 184+83.0

WASHINGTON COUNTY

Assembled Feb. 1958 By HM & BEG
Checked April 1958 by D.L.J

Note: This drawing is not to scale. Follow dimensions

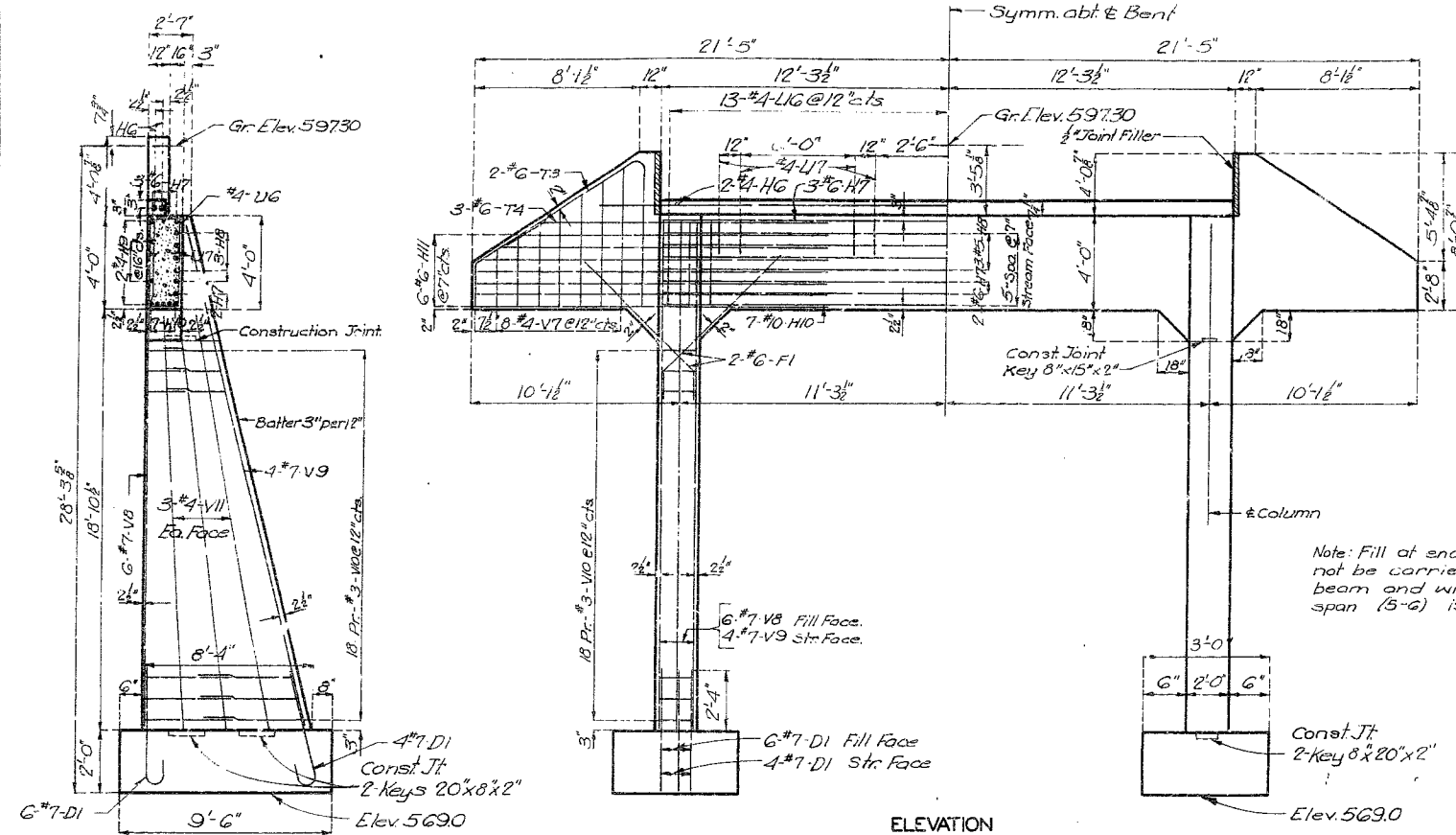
Sheet No. 3 of 7

Deck Six - r-2 Column End Bent - 2 Column Int Bent

A-331

MISSOURI STATE HIGHWAY DEPARTMENT

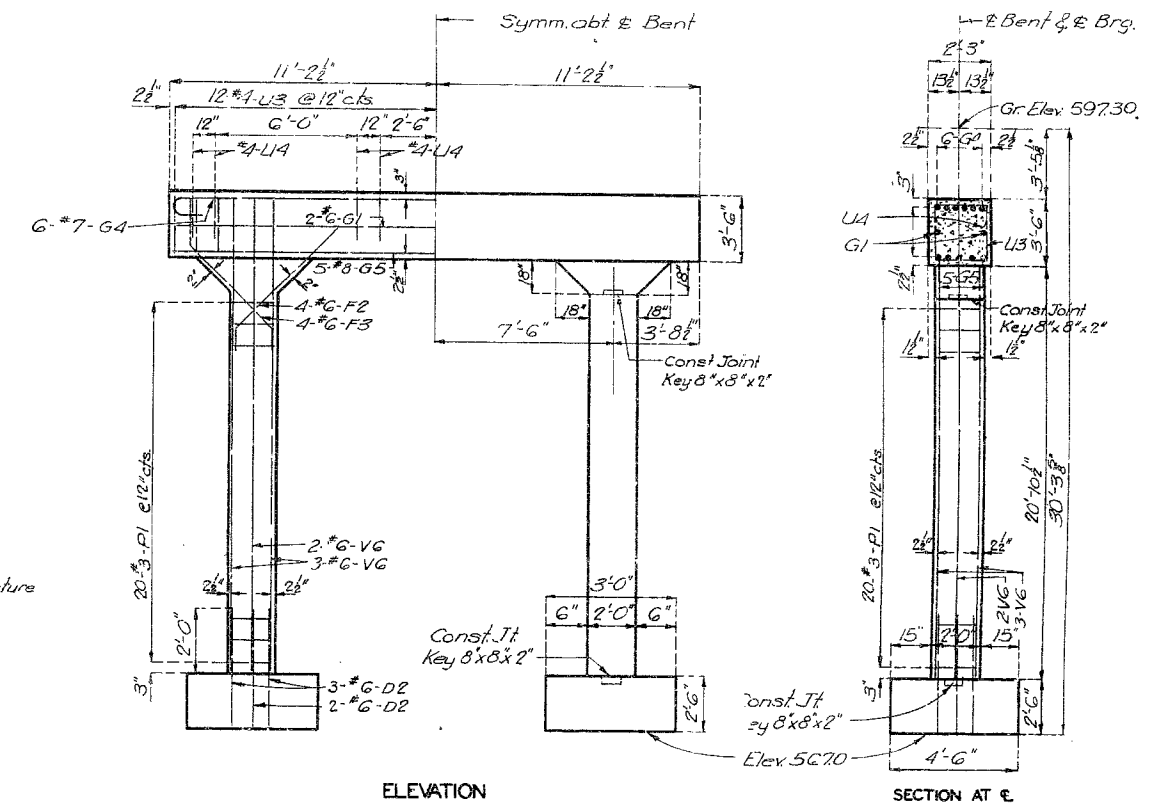
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	17	



SECTION AT E

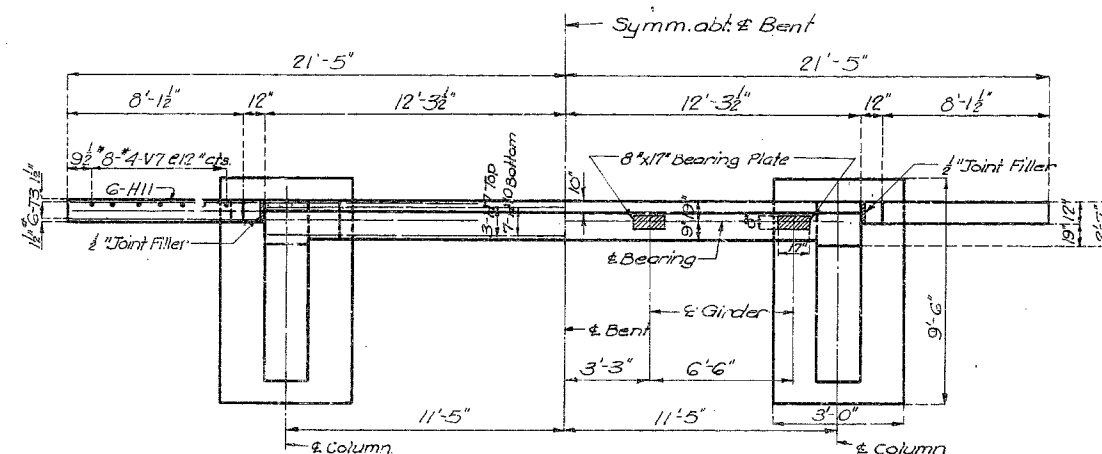
ELEVATION

Note: Fill at end bents No. 6 shall not be carried above bottom of beam and wings until superstructure span (5-6) is in place.

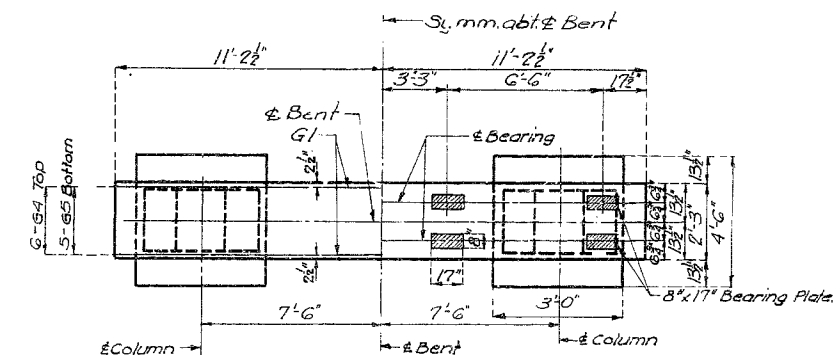


ELEVATION

SECTION AT E



PLAN
DETAILS OF END BENT NO. 6.



PLAN
DETAILS OF INTERMEDIATE BENTS NO. 3, 4, & 5.

BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE SD(14) EASTERLY
ABOUT 10.5 MILES E. OF SULLIVAN
PROJECT NO. S-767(5) (SH) STA. 184+83.0

WASHINGTON COUNTY

Assembled Feb. 1958 by H.M. & B.E.G.
Checked April 1958 by D.L.U.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 7

SEE FINAL PLANS FOR CHANGES

Deck Girder - 2 Column 5th Bent - 2 Column Int. Bent

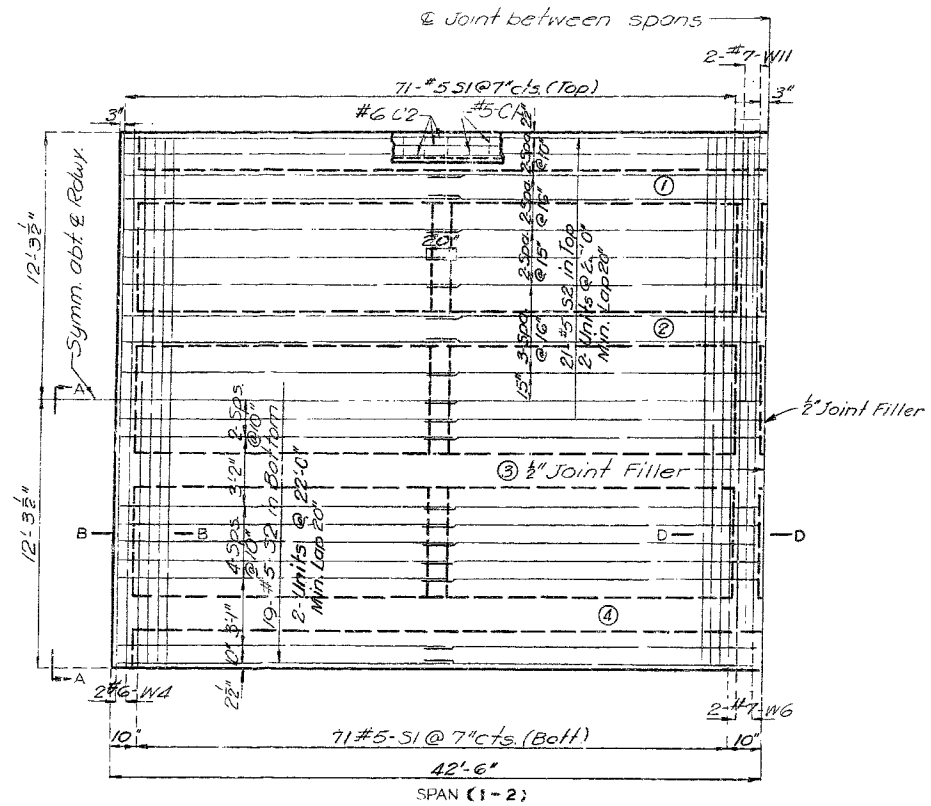
A-331

MISSOURI STATE HIGHWAY DEPARTMENT

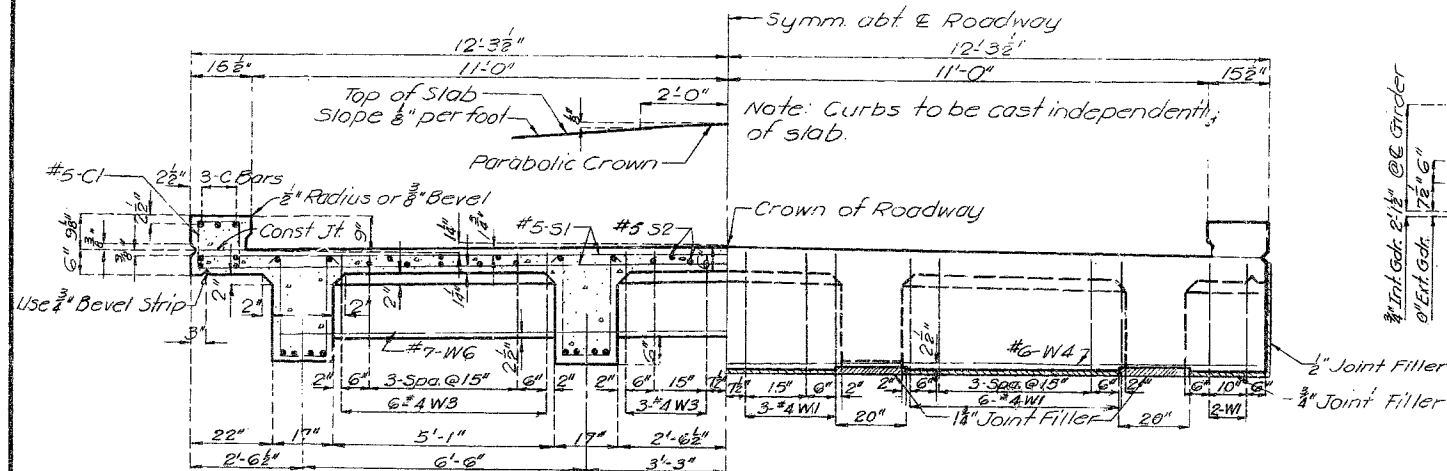
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	20	

BILL OF REINFORCING STEEL - SPAN (1-2)					
No.	Size	Length	Work Location	Bending Sketches & Cutting Diagrams	
128	#4	5'-0"	B1 Girder		
16	#11	44'-6"	B2		
8	#11	37'-9"	B3		
8	#11	33'-3"	B4		
4	#11	27'-9"	B5		
4	#11	21'-0"	B6		
4	#9	23'-6"	B7		
4	#9	17'-6"	B8		
72	#5	2'-9"	C1 Curb		
12	#6	22'-3"	C2		
	#5		C3		
142	#5	24'-9"	S1 Slab		
80	#5	22'-0"	S2		
22	#4	6'-9"	W1 End Web		
11	#4	6'-9"	W2 Int. Web		
18	#4	6'-6"	W3 End Web		
2	#6	24'-3"	W4		
2	#5	20'-6"	W5 Int. Web		
2	#7	20'-6"	W6 End Web		
16	#5	5'-3"	W7 Girder		
2	#7	24'-3"	W10 End Web		
2	#7	24'-3"	W11		

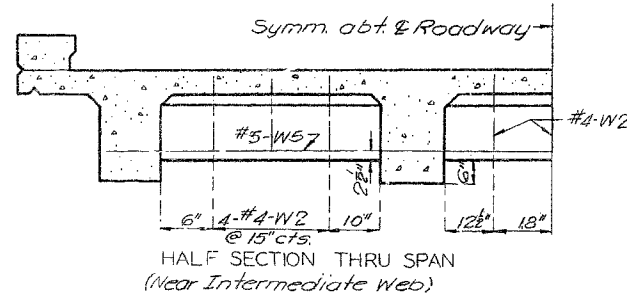
Note: Bars in above unit to be billed and tagged separately.



PLAN OF SLAB SHOWING REINFORCEMENT

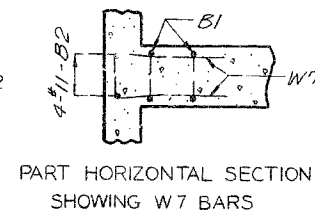


HALF SECTION THRU SPAN (Near Intermediate Bent)

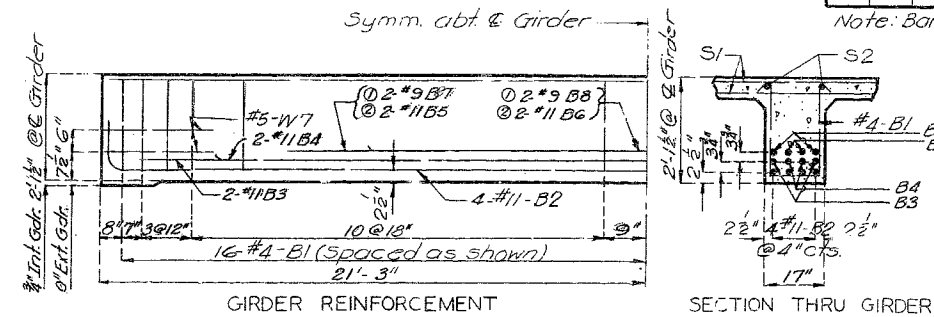


HALF SECTION THRU SPAN (Near Intermediate Web)

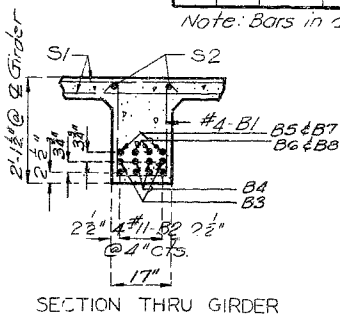
ELEVATION A-A



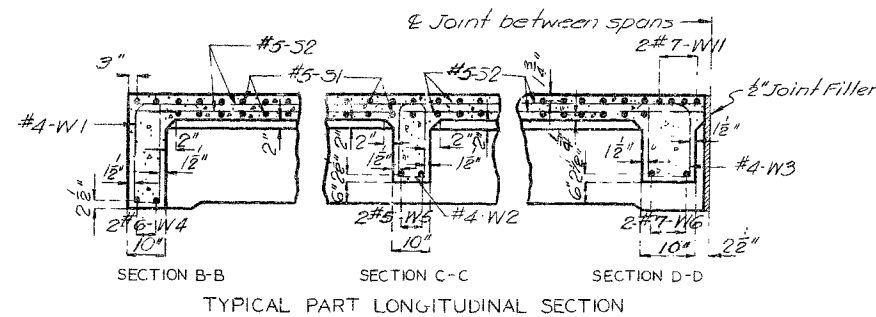
PART HORIZONTAL SECTION SHOWING W7 BARS



GIRDER REINFORCEMENT



SECTION THRU GIRDER

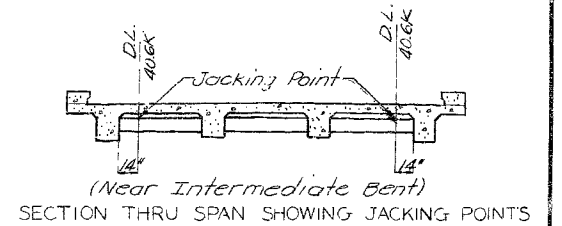


SECTION B-B

SECTION C-C

SECTION D-D

TYPICAL PART LONGITUDINAL SECTION



SECTION THRU SPAN SHOWING JACKING POINTS (Near Intermediate Bent)

BRIDGE OVER INDIAN CREEK
STATE ROAD FROM ROUTE SD(114) EASTERLY
ABOUT 0.5 MILES E. OF SULLYMAN
PROJECT NO. S-767(5) (SH) STA. 184+83.0
WASHINGTON COUNTY

Drawn Mar. 1958 by N.H.R. & J.H.K.
Checked April 1958 by D.L.J.

Revised 1-19-59 by D.L.J.

Note: This drawing is not to scale, follow dimensions.

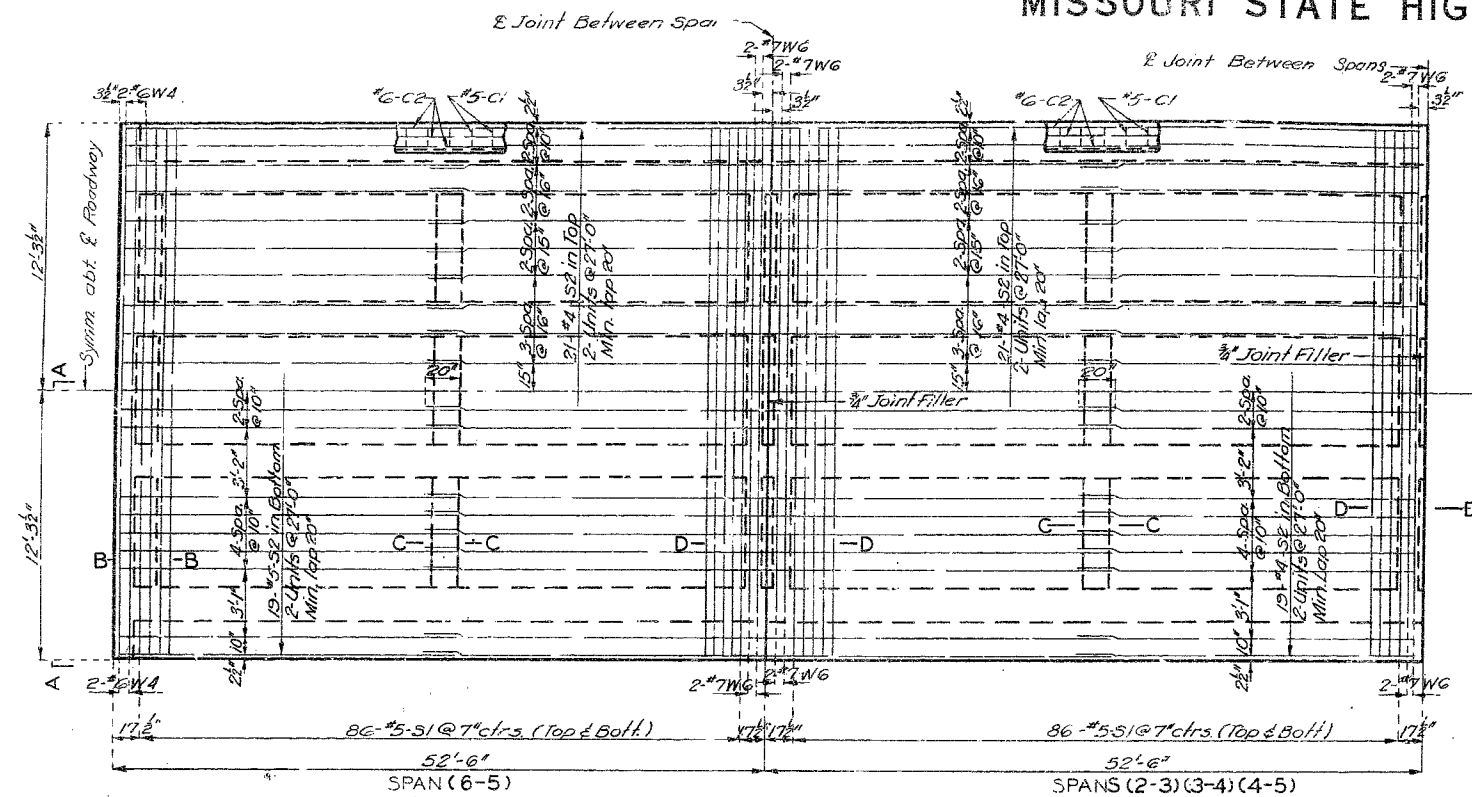
Sheet No. 5 of 7

A-331

Square 25' Thru 40' Spans Deck Girder 22' Roadway H/S

MISSOURI STATE HIGHWAY DEPARTMENT

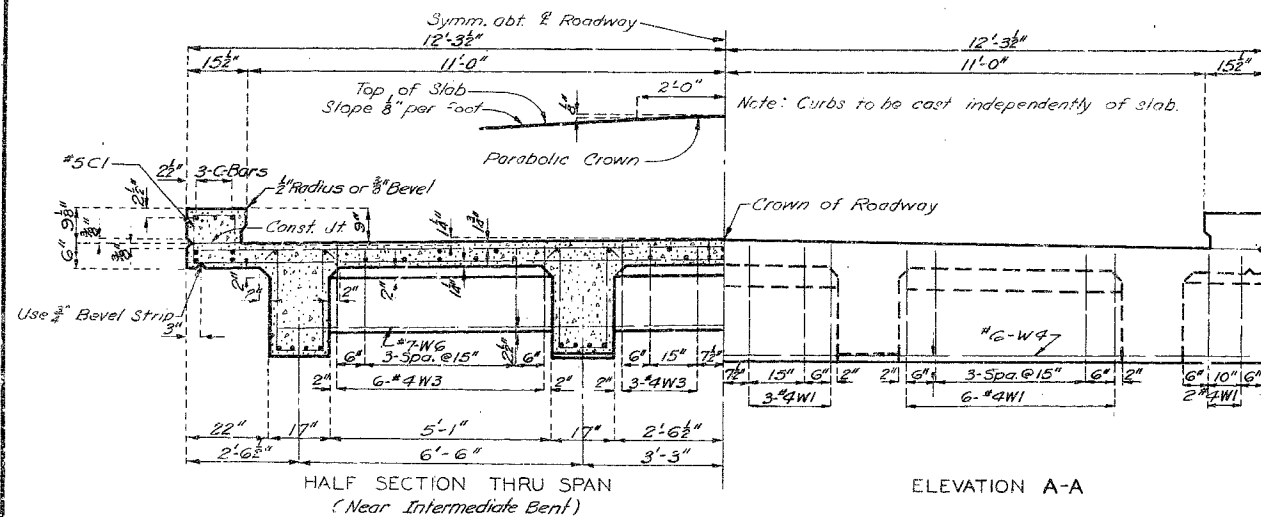
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	21	



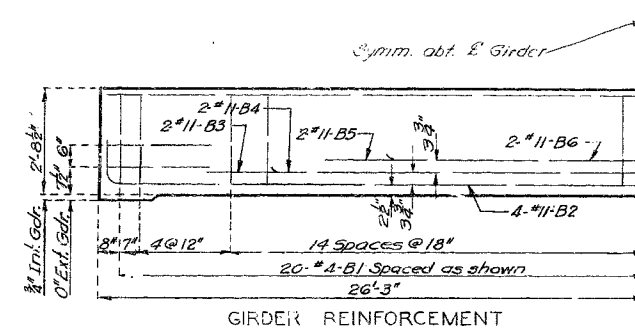
PLAN OF SLAB SHOWING REINFORCEMENT

BILL OF REINFORCING STEEL - SPAN (2-3)(3-4)(4-5)(5-6)									
NO.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams				
624	#4	6'-9"	B1	Girder					
624	#11	54'-6"	B2	"					
32	#11	43'-9"	B3	"					
32	#11	40'-6"	B4	"					
32	#11	33'-6"	B5	"					
32	#11	24'-6"	B6	"					
316	#5	2'-9"	C1	Curb					
48	#6	27'-0"	C2	"					
628	#5	24'-3"	S1	Slab					
320	#5	27'-0"	S2	Slab					
22	#4	7'-9"	W1	End Web					
47	#4	7'-6"	W2	Int. Web					
126	#4	6'-3"	W3	End Web					
4	#6	24'-3"	W4	"					
8	#5	20'-6"	W5	Int. Web					
28	#7	20'-6"	W6	End Web					
64	#5	5'-3"	W7	Girder					

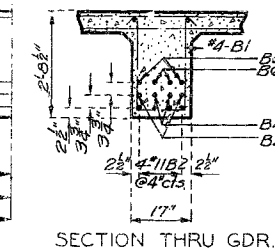
Note: Bars in the above unit to be billed and tagged Separately.



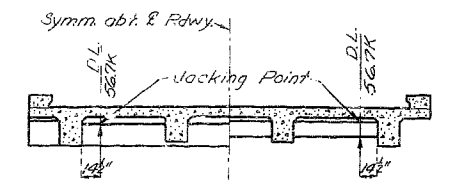
ELEVATION A-A



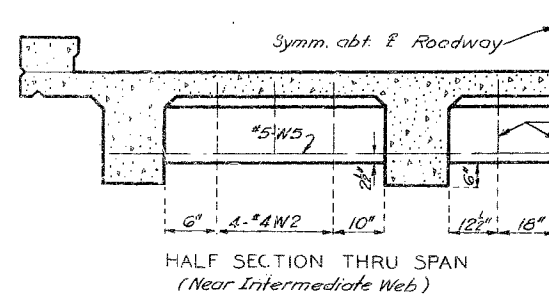
GIRDER REINFORCEMENT



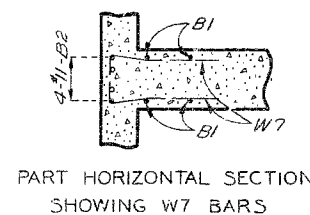
SECTION THRU GDR.



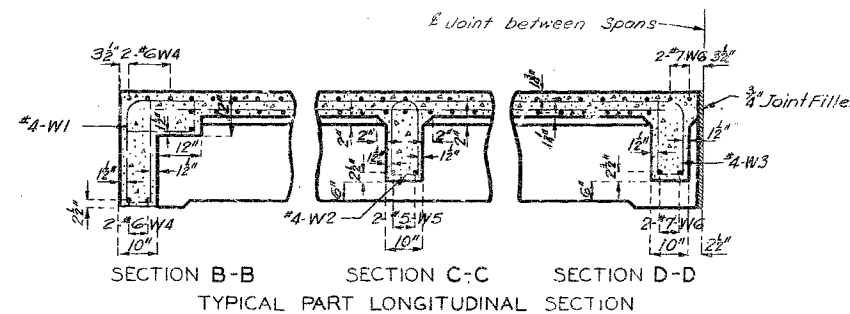
SECTION THRU SPAN SHOWING JACKING POINTS



HALF SECTION THRU SPAN (Near Intermediate Bent)



PART HORIZONTAL SECTION SHOWING W7 BARS



TYPICAL PART LONGITUDINAL SECTION

BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE 50 (H4) EASTERLY
ABOUT 10.5 MILES E. OF SULLIVAN
PROJECT NO. S-767(3) (SH) STA. 184+83.0

WASHINGTON COUNTY

Drawn Mar. 1938 by N.H.R. & J.H.K.
Checked Apr. 1938 by D.L.U.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 7

A-331

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4/10



4/10

4/10



4/10



4/10

4/10



4/10

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4/10

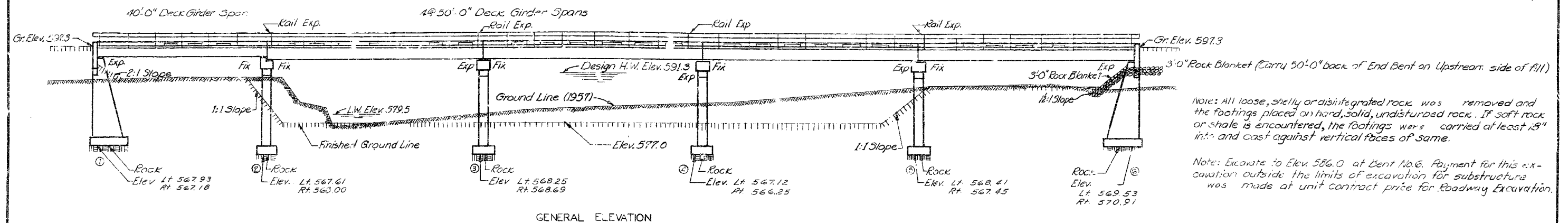
4/10

4/10

MISSOURI STATE HIGHWAY DEPARTMENT

FINAL PLANS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	MO.		19	11	

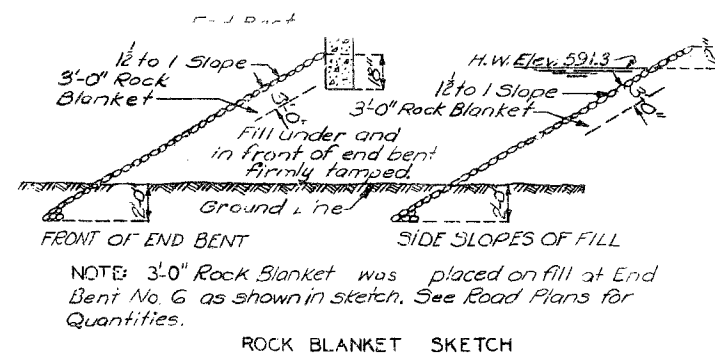
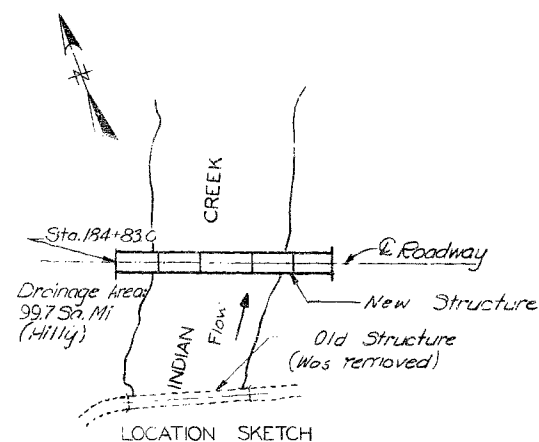
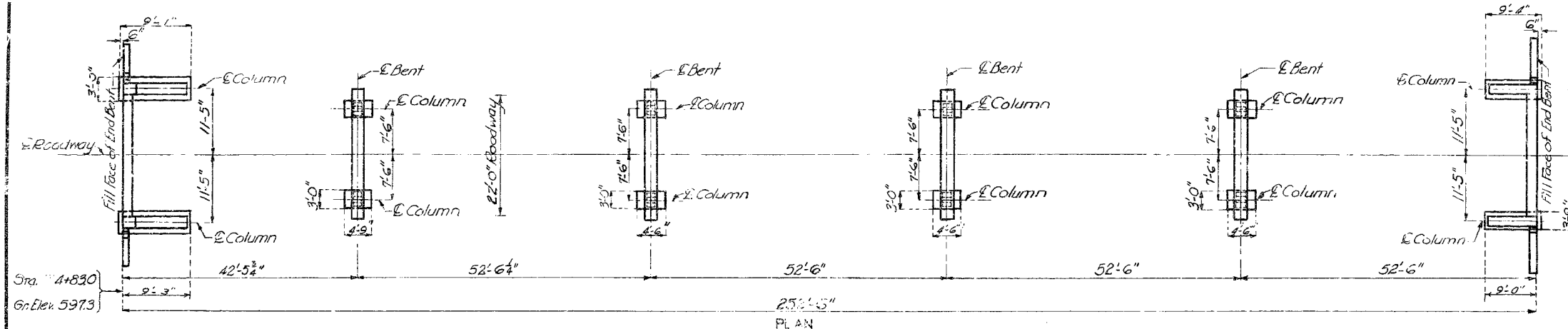


Note: All loose, shelly or disintegrated rock was removed and the footings placed on hard, solid, undisturbed rock. If soft rock or shale is encountered, the footings were carried at least 18" into and cast against vertical faces of same.

Note: Excavate to Elev. 586.0 at Bent No. 6. Payment for this excavation outside the limits of excavation for substructure was made at unit contract price for Roadway Excavation.

GENERAL NOTES:

Design Specifications A.A.S.H.O. - 1953
 Loading H15 - 44
 Structural Steel Stress 18,000 #/sq. in.
 Reinforcing Steel Stress 80,000 #/sq. in.
 Concrete Class "B" Stress 1200 #/sq. in.
 All concrete was Class "B".
 Where joint filler is specified on the plans it conformed with the requirements for Gray Rubber Compound Joints as given in Section 59-22B of the Standard Specifications.
 Paint: Shop, none, except as noted on bearing detail; Field, contact surfaces of bolted field connections, one coat of red lead and surfaces inaccessible after erection, three coats of red lead. No other paint was applied by Contractor. Red lead required was furnished by Contractor. Payment for cleaning and painting such surfaces was included in unit price bid for Fabricated Structural Steel.
 Bolts: 5/8" ; holes 1/2" except as noted.
 Qualification of welding operators was required.



NOTE: 3'-0" Rock Blanket was placed on fill at End Bent No. 6 as shown in sketch. See Road Plans for Quantities.

FINAL QUANTITIES			
Item	Substr.	Superstr.	Total
Class 1 Excavation for Structures	Cu. Yds. 117.0		117.0
Class 2 Excavation for Structures	Cu. Yds. 288.5		288.5
Class "B" Concrete	Cu. Yds. 125.4	256.9	382.3
Reinforcing Steel	Lbs. 14,300	93,380	107,680
Fabricated Structural Steel (Bearings)	Lbs. 6980		6980
Fabricated Structural Steel (Handrail)	Lbs. 16,470		16,470
Class 2 Excavation for Structures (Handrail)	Cu. Yds. 9.0		9.0
Test Holes (16)	Lin. Ft. 64		64

Note: Excavation for bridge made above Elev. 580.5 was paid for as Class 1 Excavation for Structures.
 Excavation for bridge made below Elev. 580.5 was paid for as Class 2 Excavation for Structures.

Sheet No. 1A of 3.

FINAL PLANS

B.M. Elev. 597.94 "B" on top Rt. wing Bent #6 Bridge @ Sta. 184+83.0.

BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE SD(14) EASTERLY
 ABOUT 10.5 MILES EAST OF SULLIVAN
 PROJECT NO. S-76751(SH) STA. 184+83.0

WASHINGTON COUNTY

SUBMITTED BY J. Williams DATE 6-3-1958
 APPROVED BY Ray M. Whitton DATE 6-3-1958

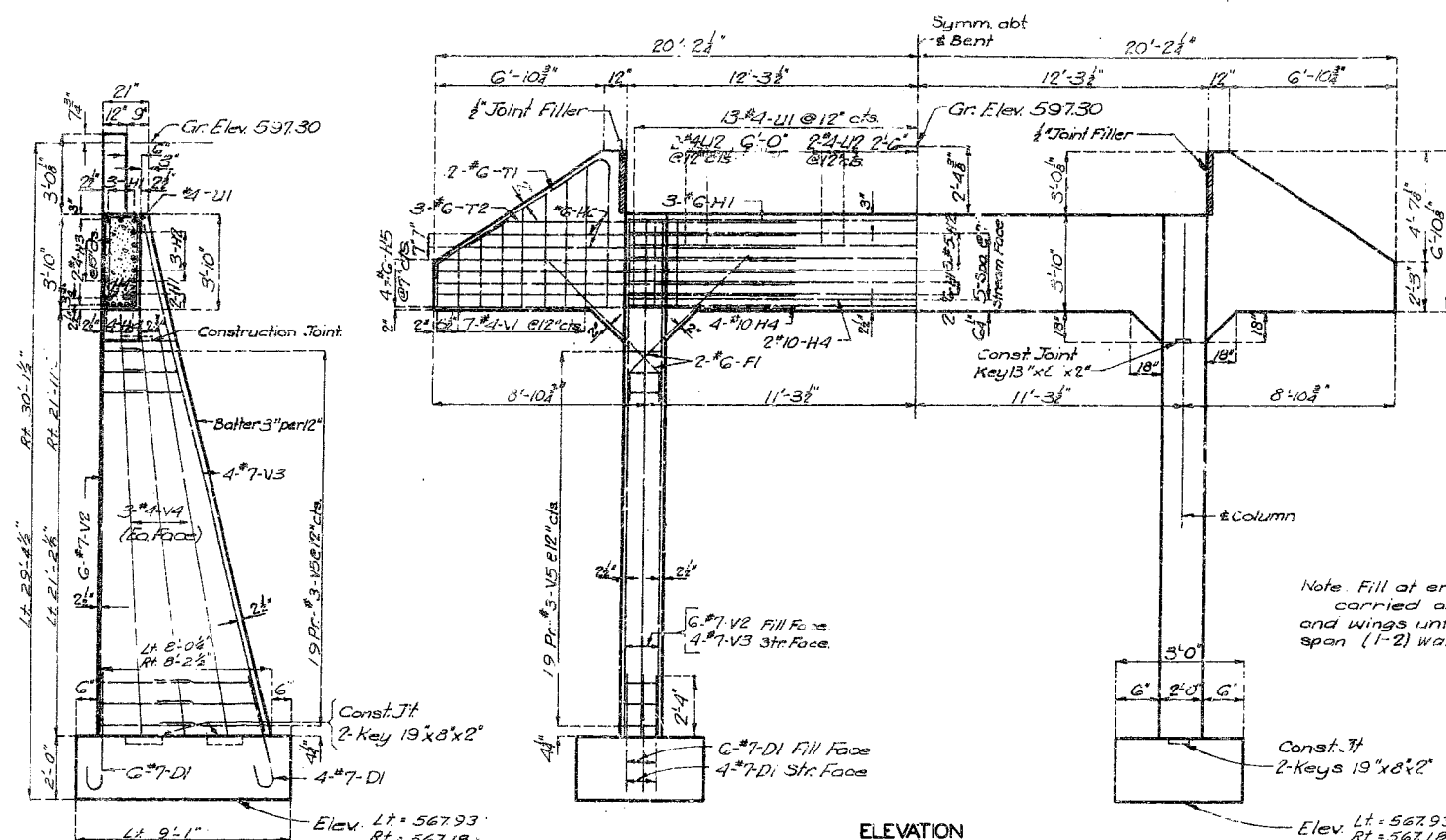
5d.C.10166
 A-331

Drawn Mar. 1958 by J.M.G.
 Checked Apr. 1958 by D.L.V.

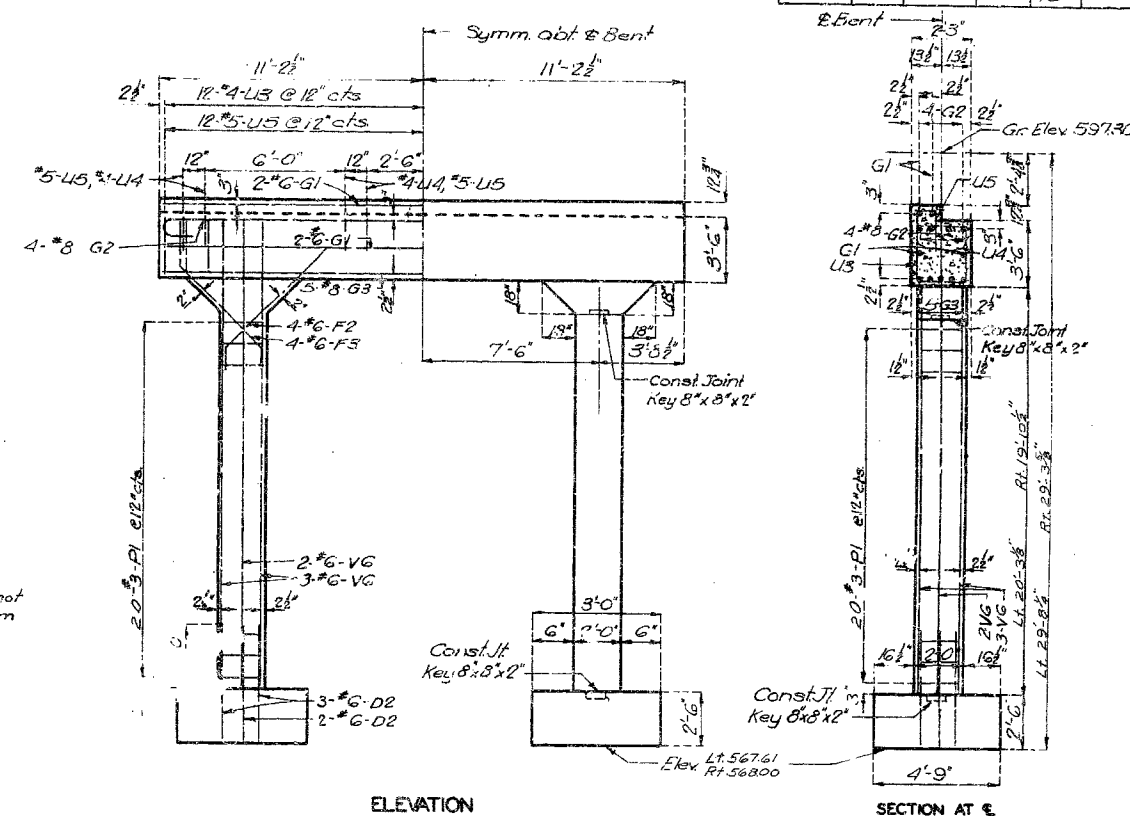
Note: This drawing is not to scale. Follow dimensions.

FINAL PLANS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	13	



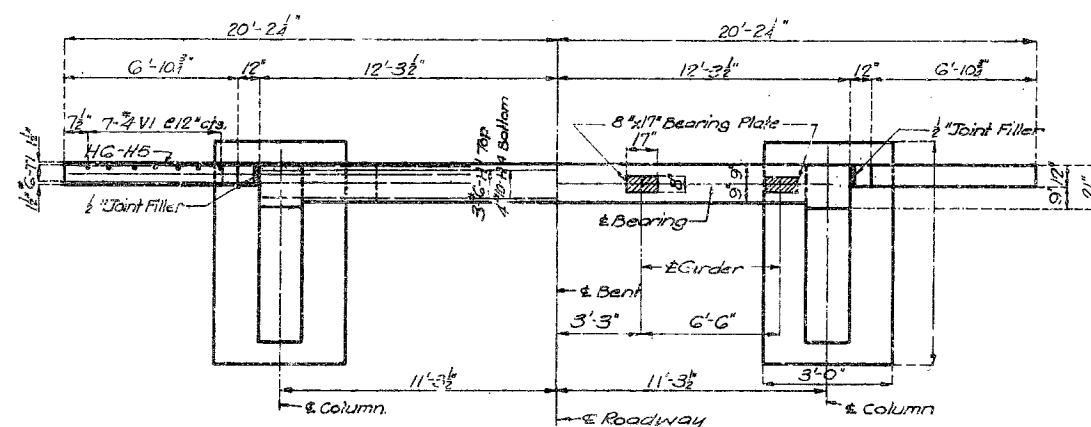
ELEVATION



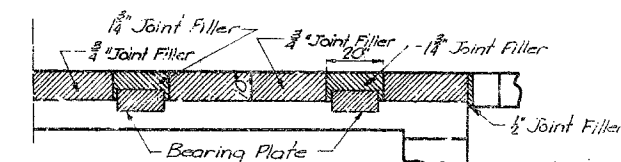
ELEVATION

SECTION AT 9

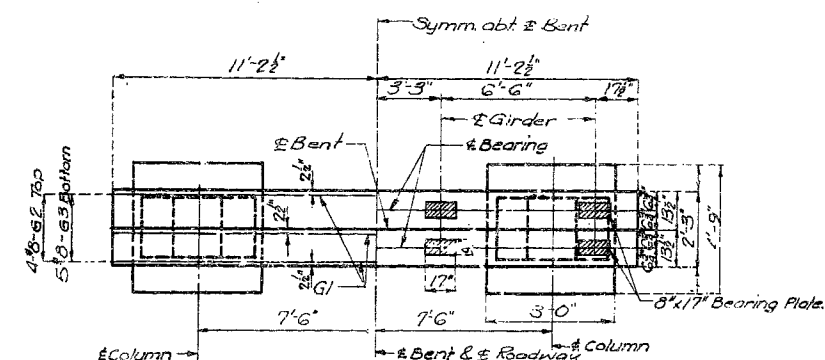
NOTE: At contractor's option these footings were poured to plan elevation (571.00) for top of footings.



PLAN
DETAILS OF END BENT NO. 1



DETAIL OF JOINT FILLER AT END BENT NO. 1



PLAN
DETAILS OF INTERMEDIATE BENT NO.2

BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE SD(114) EASTERLY
ABOUT 10.5 MILES E OF SULLIVAN

PROJECT NO. S-767(5) (SH) STA. 184+83.0

WASHINGTON COUNTY

Assembled Feb. 1958 by H.M. & B.E.G.
Checked April 1958 by D.L.J.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 A of 3

Sheet No. 34 of 3
FINAL PLANS

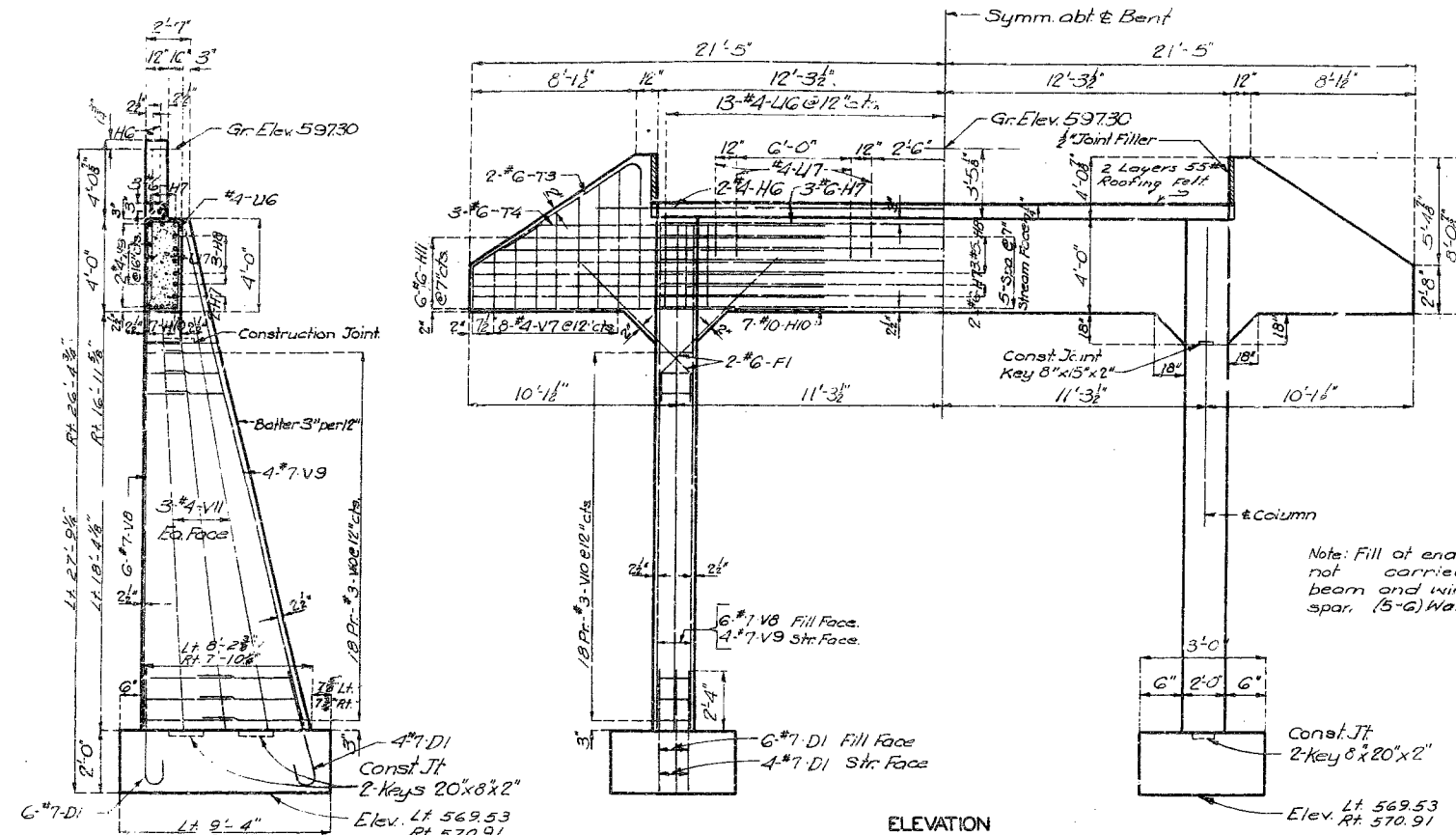
Deck Order - 2 Column End Bent - 2 Column Int. Bent -

A-331

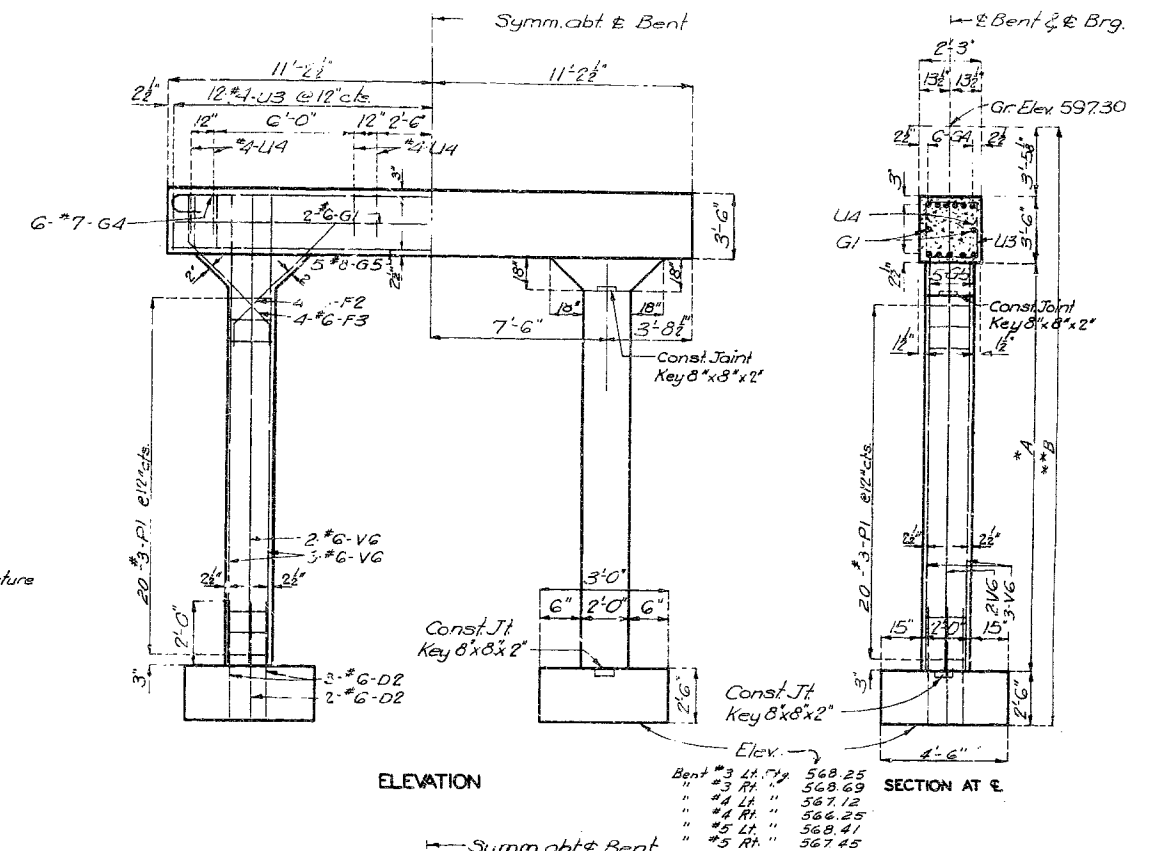
MISSOURI STATE HIGHWAY DEPARTMENT

FINAL PLANS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	14	

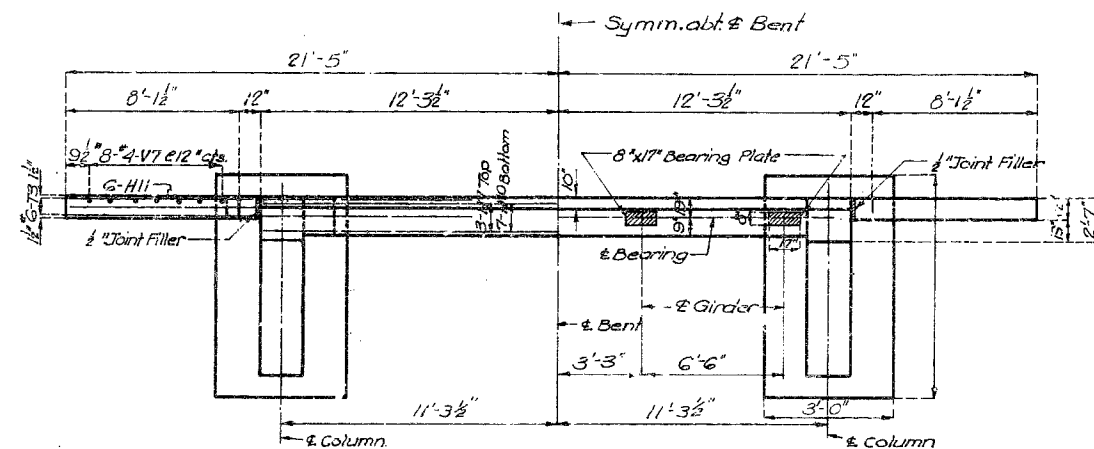


ELEVATION

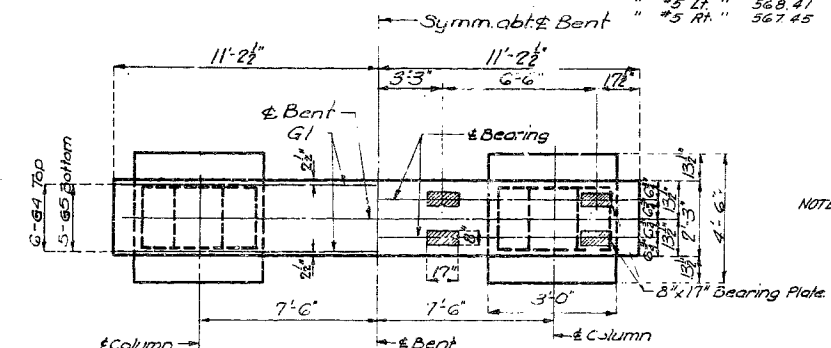


ELEVATION

SECTION AT E



PLAN
DETAILS OF END BENT NO. 6.



PLAN
DETAILS OF INTERMEDIATE BENTS NO. 3, 4 & 5

BRIDGE OVER INDIAN CREEK

STATE ROAD FROM ROUTE SD(114) EASTERLY

ABOUT 10.5 MILES E. OF SULLIVAN

PROJECT NO. S-767(5) (SH) STA. 184+83.0

WASHINGTON COUNTY


Assembled Feb. 1958 by H.M. & B.E.G.
 Checked April 1958 by D.L.U.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4A of 3
 FINAL PLANS

Deck Girder - 2 Column End Bent - 2 Column Int. Bent -


A-331


		Missouri Department of Transportation				February 12, 2025	
		State Bridge Inspection Report				10:39:48AM	
COUNTY: WASHINGTON		DISTRICT: CD		CLASS: STATBR		FED-ID: 285	
						BRIDGE: A0331	
GENERAL STRUCTURE INFORMATION						***BRIDGE INSPECTION INFORMATION***	
ROUTE: RTAE FEATURE: INDIAN CR STATUS: A-OPEN LOG MILE: 3.501 DETOUR: 34.00 MILES NHS: NO BUILT: 1958 REHAB: LOCATION: S 13 T 40 R 1 W LATITUDE: 38 11 43.58 (DMS) LONGITUDE: 90 58 52.42 (DMS)		# SPANS: 5 LANES ON: 2 LANES UNDER: 0 COMPASS DIRECTION: WEST to EAST DIRECTION OF TRAFFIC: 2-WAY TRAF FUNCTIONAL CLASS: RL-MAJOR COLLECTOR NBI OWNER: MODOT NBI MAINTAINED: MODOT MAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: WASHINGTON SUB AREA: 7D43		PLACE CODE: 37484 JOHNSON LENGTH: 253 FT 0 IN MAXIMUM SPAN: 52 FT 6 IN APPROACH ROADWAY: 22 FT 0 IN CURB TO CURB: 22 FT 0 IN OUT TO OUT: 24 FT 8 IN AADT: 492 AADT YEAR: 2023 AADT TRUCK: 9.8% FUTURE AADT: 689 FUTURE AADT YEAR: 2043		DATE: 06/03/2024 RESPONSIBILITY: DISTRICT	
						FREQUENCY: 24 CALCULATED INTERVAL**: 24	
						TEAM LEADER: JOE GREEN ELEMENT: NO	
						INSPECTOR 2: INSPECTOR 4:	
						INSPECTOR 3:	
						** When calculated interval exceeds the frequency, a justification comment per BIRM is required.	
						GENERAL INSPECTION COMMENTS	
						(RAITHK, 11/16/2020)--REPLACE? USE CONCRETE TO ARMOR CHANNEL?	
FRACTURE CRITICAL INSPECTION INFORMATION				***INDEPTH INSPECTION INFORMATION***			
DATE:		RESPONSIBILITY:		CATEGORY:		DATE:	
FREQUENCY:		CALCULATED INTERVAL**:		NBI:		RESPONSIBILITY:	
TEAM LEADER:		INSPECTOR 3:		METHOD:		CATEGORY:	
INSPECTOR 2:		INSPECTOR 4:				NBI:	
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.				** When calculated interval exceeds the frequency, a justification comment per BIRM is required.			
FRACTURE CRITICAL INSPECTION COMMENTS				INDEPTH INSPECTION COMMENTS			
SPECIAL INSPECTION INFORMATION				***UNDERWATER INSPECTION INFORMATION***			
DATE: 06/16/2022		RESPONSIBILITY: DISTRICT		CATEGORY: CHANNEL CROSS SEC		DATE: 06/03/2024	
FREQUENCY: 72		CALCULATED INTERVAL**: 93		NBI: NO		RESPONSIBILITY: DISTRICT	
TEAM LEADER: MICHAEL MEYERHOFF		INSPECTOR 3:		METHOD: WT TAPE		CATEGORY: DRY	
INSPECTOR 2: JOE GREEN		INSPECTOR 4:				NBI: NO	
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.				** When calculated interval exceeds the frequency, a justification comment per BIRM is required.			
SPECIAL INSPECTION COMMENTS				UNDERWATER INSPECTION COMMENTS			
OTHER SPECIAL INSPECTIONS				OTHER UNDERWATER INSPECTIONS			
<u>DATE</u>	<u>FREQUENCY</u>	<u>CATEGORY</u>	<u>NBI</u>	<u>CALCULATED INTERVAL</u>	<u>RESPONSIBILITY</u>	<u>METHOD</u>	<u>DATE</u>
04/18/2017	999	QUALITY ASSURANCE	NO		BRIDGEDIV		<u>FREQUENCY</u>
							<u>CATEGORY</u>
							<u>NBI</u>
							<u>CALCULATED INTERVAL</u>
							<u>RESPONSIBILITY</u>
							<u>METHOD</u>

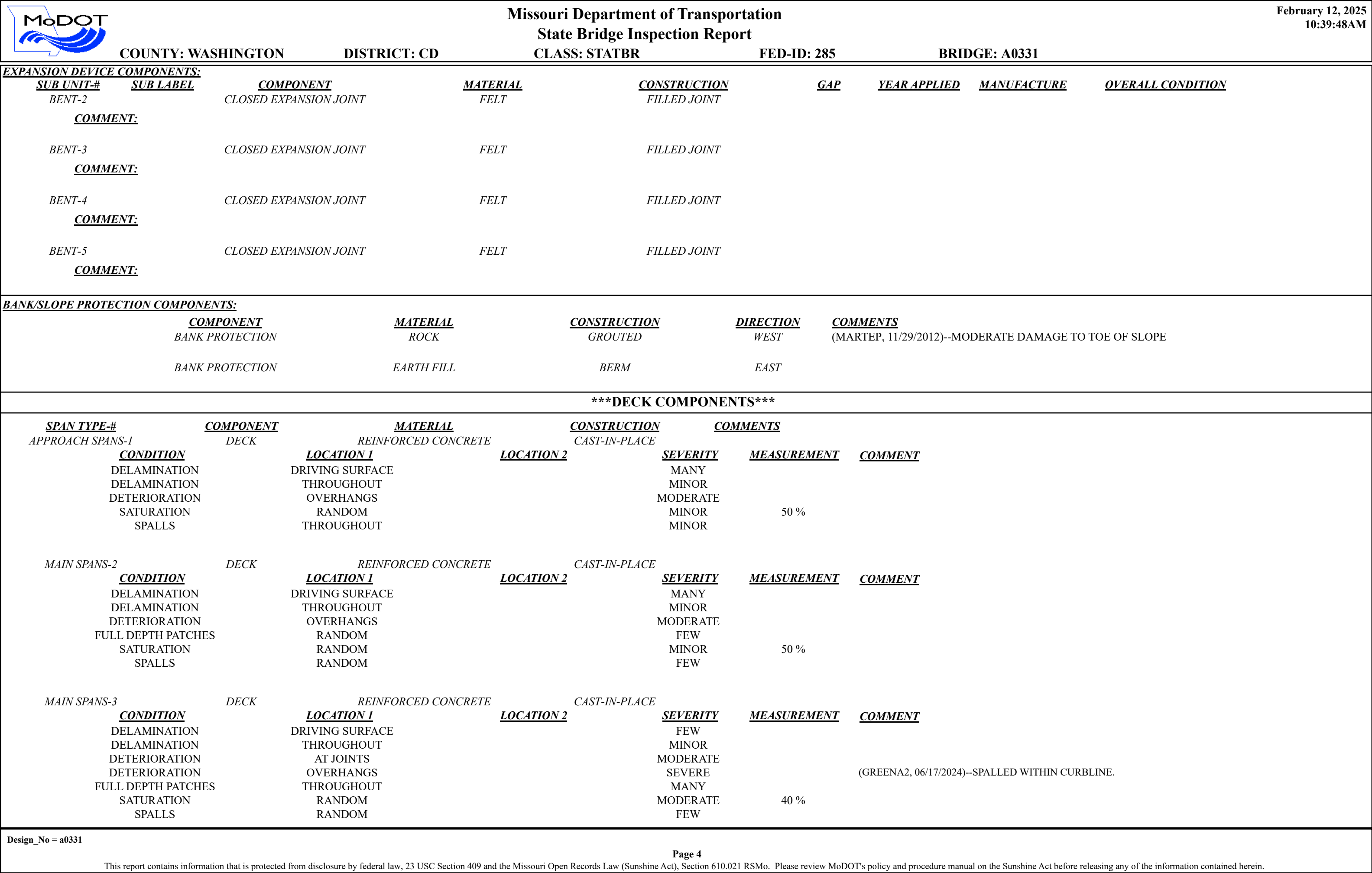
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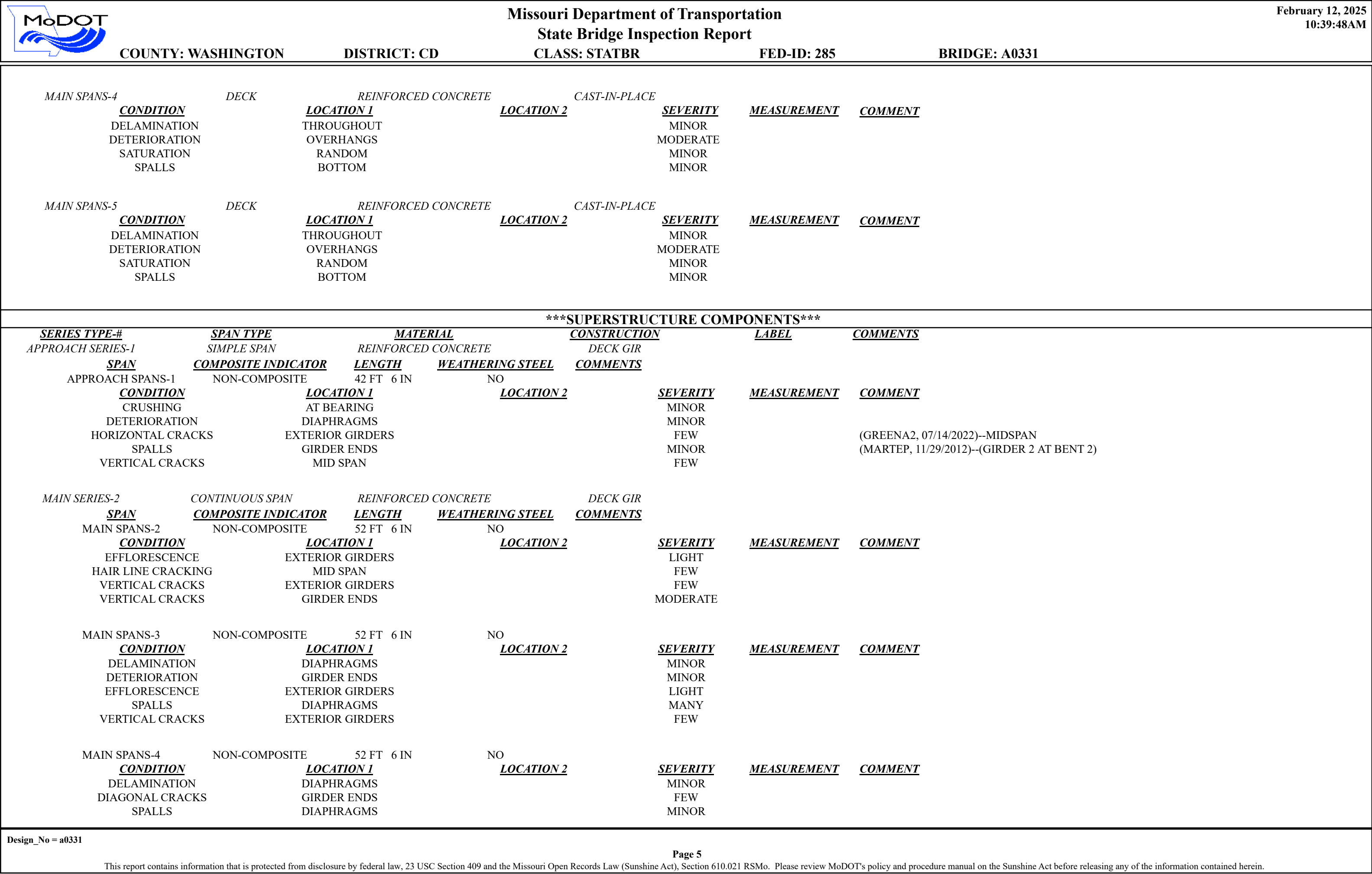
Page 1

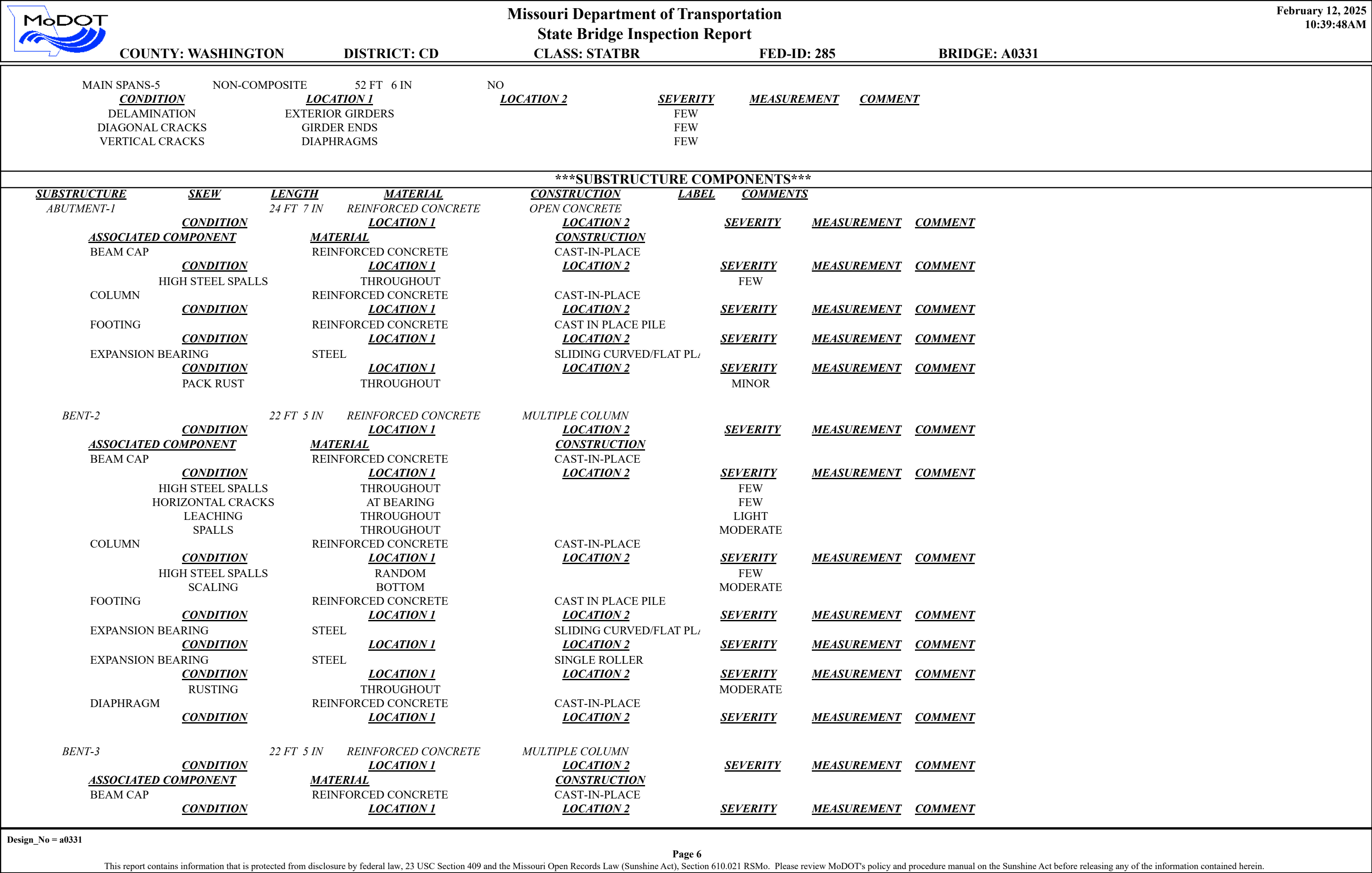
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.


		Missouri Department of Transportation			February 12, 2025																																				
		State Bridge Inspection Report			10:39:48AM																																				
COUNTY: WASHINGTON		DISTRICT: CD	CLASS: STATBR	FED-ID: 285	BRIDGE: A0331																																				
STRUCTURE POSTING																																									
APPROVED CATEGORY: SW-1 NO POSTING REQUIRED																																									
Ton 1: Ton 2: Ton 3:																																									
COMMENTS: (HAWCRC1, 08/30/2024)--LOAD POSTING LETTER, 8/30/2024, MODOT.																																									
FIELD CATEGORY: SW-1 NO POSTING REQUIRED																																									
Ton 1: Ton 2: Ton 3: PROBLEM: PROBLEM DIRECTION:																																									
COMMENTS:																																									
GENERAL COMMENTS/MAJOR RATED ITEMS																																									
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(42') SMP DECK GDR - (52'-52'-52'-52') CONT DECK GDRS SPANS																																									
[ITEM 58] DECK: 3-SERIOUS CONDITION			COMMENTS: (GREENA2, 07/14/2022)--50% SATURATION MANY DELAMS																																						
RATING : 07/14/2022			(GREENA2, 06/17/2024)--EDGE DETER AND SPALLS WITHIN CURBLINE.																																						
[ITEM 59] SUPER: 3-SERIOUS CONDITION			COMMENTS: (TRAMPA, 10/12/2016)--INTEGRAL W/DK; DELAMS AND SPALL;																																						
RATING : 07/14/2022																																									
[ITEM 60] SUB: 6-SATISFACTORY CONDITION			COMMENTS: (OTTINM, 09/20/2012)--GENERAL DETR. INT. BENTS																																						
RATING : 03/20/2002																																									
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE			COMMENTS: (TRAMPA, 11/26/2018)--CHANNEL MEANDERS; MOVING W US AND E DS; MOD DRIFT; US GRAVEL REMOVED 2015; LARGE GRAVEL DS; SW BANK																																						
RATING : 05/18/2001			ARMORED WITH RIPRAP '17; MINOR DAMAGE TO SLOPE PROTECTION E BANK; MOD BANK EROSION DS;																																						
			(RAITHK, 11/16/2020)--DOWNSTREAM CHANNEL ALIGNMENT CUTTING IN TO THE EAST SIDE																																						
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED			COMMENTS: (GREENA2, 06/17/2024)--MINOR SCOUR AT BENT 5.																																						
RATING : 05/18/2001																																									
EVALUATION TYPE :																																									
[ITEM 71] WATERWAY ADEQUACY: DECK/APPRCH OVERTOP SLIGT			COMMENTS:																																						
RATING : 05/18/2001																																									
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD			COMMENTS:																																						
RATING : 05/18/2001																																									
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS																																									
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0																																									
RATING : 02/09/2007 COMMENTS:																																									
<table><tr><td><u>MATERIAL</u></td><td><u>CONSTRUCTION</u></td><td><u>DIRECTION</u></td><td><u>COMMENTS</u></td><td></td><td></td><td></td></tr><tr><td>REINFORCED CONCRETE</td><td>CURB</td><td>BOTH</td><td></td><td></td><td></td><td></td></tr><tr><td><u>CONDITION</u></td><td><u>LOCATION 1</u></td><td><u>LOCATION 2</u></td><td><u>SEVERITY</u></td><td><u>COMMENT</u></td><td></td><td></td></tr><tr><td>SCALING</td><td>THROUGHOUT</td><td></td><td>MODERATE</td><td></td><td></td><td></td></tr><tr><td>STEEL</td><td>CHANNEL-12"</td><td>BOTH</td><td></td><td></td><td></td><td></td></tr></table>							<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>				REINFORCED CONCRETE	CURB	BOTH					<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>			SCALING	THROUGHOUT		MODERATE				STEEL	CHANNEL-12"	BOTH				
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>																																						
REINFORCED CONCRETE	CURB	BOTH																																							
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>																																					
SCALING	THROUGHOUT		MODERATE																																						
STEEL	CHANNEL-12"	BOTH																																							
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0																																									
RATING : 05/18/2001 COMMENTS:																																									
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0																																									
RATING : 05/18/2001 COMMENTS:																																									
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0																																									
RATING : 05/18/2001 COMMENTS:																																									
Design_No = a0331																																									
Page 2																																									
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		Missouri Department of Transportation			February 12, 2025	
		State Bridge Inspection Report			10:39:48AM	
COUNTY: WASHINGTON		DISTRICT: CD	CLASS: STATBR	FED-ID: 285	BRIDGE: A0331	
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.						
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>CONDITION*</u>	<u>COMMENTS</u>		
ASPHALT	BITUMINOUS MAT	BOTH	GOOD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>		
OTHER	DRIVING SURFACE		NOT APPLICABLE	(TRAMPA, 03/08/2016)--NEW ASPH OVERLAY 2015;		
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS						
<u>DECK PROTECTIVE COMPONENTS:</u>						
<u>SERIES TYPE-#</u>	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>THICKNESS</u>	<u>YEAR APPLIED</u>	<u>MANUFACTURE</u>
APPROACH SERIES-1	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	1 IN		
<u>COMMENT:</u>						
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>		
MAP CRACKS	THROUGHOUT		RANDOM			
	DECK PROTECTION	NOTAPPLICABLE	NONE			PAVON INDECK
<u>COMMENT:</u>						
	MEMBRANE	NOTAPPLICABLE	NONE			
<u>COMMENT:</u>						
	SECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2016	PAVON INDECK
<u>COMMENT:</u>						
MAIN SERIES-2	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	1 IN		FAIR
<u>COMMENT:</u>	(STEGEC, 02/10/2011)--SEALED 2000 & 2006 & 2009					
	DECK PROTECTION	NOTAPPLICABLE	NONE			
<u>COMMENT:</u>						
	MEMBRANE	NOTAPPLICABLE	NONE			
<u>COMMENT:</u>						
	SECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2016	PAVON INDECK
<u>COMMENT:</u>						
<u>DRAINAGE COMPONENTS:</u>						
	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>	
	DRAINAGE	REINFORCED CONCRETE	CURB OUTLET			
Design_No = a0331						
Page 3						
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.						







		Missouri Department of Transportation State Bridge Inspection Report				February 12, 2025 10:39:48AM	
COUNTY: WASHINGTON		DISTRICT: CD		CLASS: STATBR		FED-ID: 285	
						BRIDGE: A0331	
COLUMN	DELAMINATION	RANDOM THROUGHOUT BOTTOM REINFORCED CONCRETE		CAST-IN-PLACE	FEW FEW FEW		
	HIGH STEEL SPALLS						
	HORIZONTAL CRACKS						
	<u>CONDITION</u>			<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	LOCAL SCOUR					AT BENT	(RAITHK, 11/16/2020)--DUE TO HVY DRIFT
	SCALING					MODERATE	
	VERTICAL CRACKS					FEW	
FOOTING		REINFORCED CONCRETE		CAST IN PLACE PILE			
	<u>CONDITION</u>						
EXPANSION BEARING		STEEL		SINGLE ROLLER			
	<u>CONDITION</u>						
DIAPHRAGM		REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>						
	HORIZONTAL CRACKS					FEW	
	SPALLS					MEDIUM	
BENT-4		22 FT 5 IN	REINFORCED CONCRETE	MULTIPLE COLUMN			
	<u>CONDITION</u>			<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	<u>ASSOCIATED COMPONENT</u>			<u>CONSTRUCTION</u>		<u>COMMENT</u>	
BEAM CAP		REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>						
	DELAMINATION					FEW	
	HIGH STEEL SPALLS					FEW	
COLUMN		REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>						
	SCALING					MODERATE	
	VERTICAL CRACKS					FEW	
FOOTING		REINFORCED CONCRETE		CAST IN PLACE PILE			
	<u>CONDITION</u>						
EXPANSION BEARING		STEEL		SINGLE ROLLER			
	<u>CONDITION</u>						
	RUSTING					MINOR	
DIAPHRAGM		REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>						
	HORIZONTAL CRACKS					FEW	
BENT-5		22 FT 5 IN	REINFORCED CONCRETE	MULTIPLE COLUMN			
	<u>CONDITION</u>			<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	<u>ASSOCIATED COMPONENT</u>			<u>CONSTRUCTION</u>		<u>COMMENT</u>	
BEAM CAP		REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>						
	DETERIORATION					MODERATE	
	SPALLS					MINOR	
COLUMN		REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>						
	DELAMINATION					MINOR	
	SCALING					LIGHT	
FOOTING		REINFORCED CONCRETE		CAST IN PLACE PILE			
	<u>CONDITION</u>						
EXPANSION BEARING		STEEL		SINGLE ROLLER			
	<u>CONDITION</u>						



Missouri Department of Transportation

State Bridge Inspection Report

February 12, 2025
10:39:48AM

COUNTY: WASHINGTON

DISTRICT: CD

CLASS: STATBR

FED-ID: 285

BRIDGE: A0331


	RUSTING	THROUGHOUT		MINOR		
ABUTMENT-6	24 FT 7 IN	REINFORCED CONCRETE	OPEN CONCRETE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>		<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
VERTICAL CRACKS	RANDOM			FEW		
COLUMN	REINFORCED CONCRETE		CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE		CAST IN PLACE PILE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	STEEL		SINGLE ROLLER			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	RUSTING	THROUGHOUT		MINOR		

*****OVER/UNDER ROUTES CLEARANCE INFORMATION*****

CLEARANCES OVER DECK
VERTICAL CLEARANCE TYPE** **VALUE** **DIRECTION** **DATE** **COMMENT**

<u>CLEARANCES UNDER BRIDGE</u>						
<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		

STRUCTURE PAINT INFORMATION

		Missouri Department of Transportation				February 12, 2025																																		
		State Bridge Inspection Report				10:39:48AM																																		
COUNTY: WASHINGTON		DISTRICT: CD		CLASS: STATBR		FED-ID: 285																																		
						BRIDGE: A0331																																		
CONDITION: FAIR		RUST AMOUNT : 7 = .2% OF SURFACE RUSTED		STEEL TONS : 12																																				
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>		<u>DEPARTMENT REPAINT</u>																																				
PAINT TYPE :		PAINT TYPE :		PAINT TYPE : S SYSTEM		MANUFACTURE :ARMOR SHIELD																																		
NAME :		NAME :		NAME : CAL SULPH/LEAD PAINT		SURFACE PREP :HAND CLEANED																																		
PAINT COLOR :		PAINT COLOR :		PAINT COLOR : GRAY																																				
PAINT YEAR :		PAINT YEAR :		PAINT YEAR : 2001																																				
MILS :		MILS :		MILS : 14																																				
REQUESTED WORK ITEMS																																								
GENERAL WORK COMMENTS:																																								
<table><tr><td><i>RESPONSIBILITY</i></td><td><i>LOCATION</i></td><td><i>ITEM</i></td><td><i>CATEGORY</i></td><td><i>PRIORITY</i></td><td><i>DATE</i></td><td colspan="2"><i>WORK ITEM COMMENT</i></td></tr><tr><td>DISTRICT ROUTINE</td><td>STREAM CHANNEL</td><td>CUT UP DRIFT</td><td>CHANNEL</td><td>3</td><td>11/26/2018</td><td colspan="2"></td></tr><tr><td>DISTRICT SPECIAL</td><td>ROADWAY SURFACE</td><td>SEAL DECK WITH IN DECK</td><td>DECK</td><td>3</td><td>06/28/2019</td><td colspan="2"></td></tr><tr><td>DISTRICT SPECIAL</td><td>ROADWAY SURFACE</td><td>REPAIR CONCRETE > 50 SF</td><td>DECK</td><td>2</td><td>06/17/2024</td><td colspan="2">(GREENA2, 06/17/2024)--EDGE SPALLED WITHIN CURBLINE.</td></tr></table>								<i>RESPONSIBILITY</i>	<i>LOCATION</i>	<i>ITEM</i>	<i>CATEGORY</i>	<i>PRIORITY</i>	<i>DATE</i>	<i>WORK ITEM COMMENT</i>		DISTRICT ROUTINE	STREAM CHANNEL	CUT UP DRIFT	CHANNEL	3	11/26/2018			DISTRICT SPECIAL	ROADWAY SURFACE	SEAL DECK WITH IN DECK	DECK	3	06/28/2019			DISTRICT SPECIAL	ROADWAY SURFACE	REPAIR CONCRETE > 50 SF	DECK	2	06/17/2024	(GREENA2, 06/17/2024)--EDGE SPALLED WITHIN CURBLINE.		
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<div>NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.</div> <table><tr><td><u>Rated Item</u></td><td><u>Rating</u></td><td><u>Rating Date</u></td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>3-BASICALLY INTOL CORRECT</td><td>7/19/2022</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>4-MEETS MINIMUM TOLERABLE</td><td>3/12/2003</td></tr><tr><td>[Item 69] Underclearance:</td><td>N-NOT APPLICABLE</td><td>5/18/2001</td></tr><tr><td>Sufficiency Rating:</td><td>19.7%</td><td>9/6/2024</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>7/19/2022</td></tr><tr><td>Funding Eligibility:</td><td>FULL</td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td>285 FT.</td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td>\$1,652,715</td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td>\$2,479,073</td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td>2025</td><td>----</td></tr></table> <div>NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.</div>					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	3-BASICALLY INTOL CORRECT	7/19/2022	[Item 68] Deck Geometry Rating:	4-MEETS MINIMUM TOLERABLE	3/12/2003	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	19.7%	9/6/2024	Deficiency:	STRUCTURAL	7/19/2022	Funding Eligibility:	FULL	----	Estimated New Structure Length:	285 FT.	----	Estimated Structure Cost:	\$1,652,715	----	Estimated Total Project Cost:	\$2,479,073	----	Year of Cost Estimate:	2025	----	***ADVANCED SIGN INFORMATION***		
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Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

February 12, 2025
10:51:59am

COUNTY : WASHINGTON BRIDGE : A0331 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 1/16/2025 SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION

1	State	MISSOURI
2	District	CD
3	County	WASHINGTON
8	Federal ID No.	285
27	Year Built	1958
106	Year Reconstructed	0
42A	Type of Service On	HIGHWAY
21	Structure Maintenance	STATE HIGHWAY AGENCY
22	Structure Owner	STATE HIGHWAY AGENCY
33	Br. Median Code	NO MEDIAN
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP
101	Parallel Struc Desg	NONE EXISTS
103	Temporary Structure	NOT TEMPORARY
112	NBIS Bridge Length	YES

ROUTE DESIGNATION INFORMATION

5A	Record Type	ROUTE CARRIED 'ON' STRUCT
5B	Route Signing Prefix	MO
5C	Designated Level of Service	MAINLINE
5D	Route Number	0000A
5E	Directional Suffix	NOT APPLICABLE
7	Facility Carried	RT A E
12	Base Hwy. Network	NO
13A	LRS Inventory Route No.	
13B	Subroute No.	
20	Toll Status	ON FREE ROAD
26	Functional Classification	07-RURAL MAJOR COLLECTOR
28A	Lanes on Structure	02
100	STRAHNET Designation	RTE NOT A DEFENSE HWY
104	National Highway System	NOT ON NHS
105	Federal Lands Highway	NOT APPLICABLE
110	Designated Nat. Network	NO

STRUCTURE LOCATION INFORMATION

4	Place	JOHNSON
	Code	37484
9	Location	S 13 T 40 N R 1 W
11	Milepoint	3.52 miles
16	Latitude	38 D 11 M 44 S
17	Longitude	90 D 58 M 52 S

STRUCTURE TRAFFIC INFORMATION

29	AADT	492
30	AADT Year	2023
102	Direction of Traffic	2-WAY TRAFFIC
109	AADT Truck Percent	10%
114	Future AADT	689
115	Future AADT Year	2043

UNDERRECORD INFORMATION

6	Features Intersected	INDIAN CR
42B	Type of Service Under	WATERWAY
28B	Lanes Under Structure	00
54A	Vert. Clearance Ref.	N/A
54B	Vert. Clearance	0 Ft. 0 In.
55A	Rt. Lat Clear Ref.	N/A
55B	Rt. Lat Clearance	0 Ft. 0 In.
56	Left Lat Clearance	0 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ
39	Nav Vertical Clear	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.
111	Nav. Pier Protection	
116	Nav. Cl. Vert. Clear	

STRUCTURE GEOMETRIC INFORMATION

10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
19	By pass Detour Length	34.38 miles
32	Approach Roadway Width	21 Ft. 12 In.
34	Skew	0.00 Degrees
35	Struct. Flared	NO
47	Total Horiz. Clear	21 Ft. 12 In.
48	Maximum Span Length	52 Ft. 6 In.
49	Structure Length	252 Ft. 11 In.
50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
51	Curb to Curb Br. Width	21 Ft. 12 In.
52	Deck Width (Out-Out)	24 Ft. 7 In.
53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0331



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

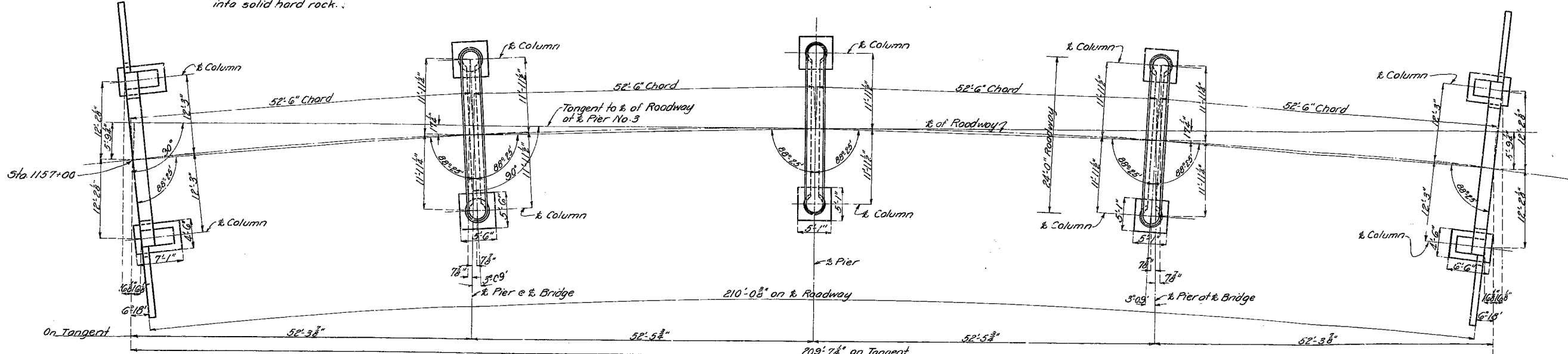
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COUNTY : WASHINGTON BRIDGE : A0331 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 1/16/2025 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 15	43A	Main Struc. Mat type	CONCRETE CONTINUOUS
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	TEE BEAM
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	4
64	Operating Rating	45 Tons.	44A	Appr Struc. Mat type	CONCRETE
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	TEE BEAM
66	Inventory Rating	27 Tons.	46	# of Approach Span	1
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
			108B	Membrane Mat/Constr.	0 NONE
			108C	Deck Protect Mat/Constr.	0 NONE
PROPOSED IMPROVEMENT INFORMATION			CONDITION RATING INFORMATION		
	Sufficiency Rating	19.7 Percent	58	Deck Cond. Rating	3
	Deficiency Rating	STRUCTURAL	59	Superstructure Cond. Rating	3
	Funding Eligibility	FULL	60	Substructure Cond. Rating	6
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	61	Channel /Channel Protection Cond. Rating	5
75B	Work Done By	Contract	62	Culvert Cond. Rating	N
76	New Struc Length	285 Ft. 5 In.			
94	Struc Improve Cost	\$ 1,653,000	INSPECTION INFORMATION		
95	Roadway Improve Cost	\$ 165,000	90	Gen. Insp Date	6 / 24
96	Total Project Cost	\$ 2,479,000	91	Gen. Insp. Frequency	24 Months
97	Year of Cost Estimates	2025	92A	Frac. Critical Inspection	N Months
			93A	Frac. Critical Insp. Date	
			92B	Underwater Inspection	N Months
			93B	Underwater Insp. Date	
			92C	Special Inspection	N Months
			93C	Special Inspection Date	
APPRAISAL RATING INFORMATION			BORDER BRIDGE INFORMATION		
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	98	Neighboring State Code	
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	98B	Neighboring State % Respon	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	99	Neighboring State Struc. No.	
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND			
67	Struc Eval App. Rating	3	APPROVED POSTING INFORMATION		
68	Deck Geometry App. Rating	4	FIELD POSTING INFORMATION		
69	Underclearance App. Rating	N	Approved Posting Category	SW-1	
71	Waterway Adeq. App. Rating	6		Ton1	Ton2 Ton3
72	Approach Road App. Rating	8	Tonnage Values for Posting Sign		
113	Scour Assess App. Rating	8	General Text for Posting Sign		
			NO POSTING REQUIRED	NO POSTING REQUIRED	

Design_No = a0331

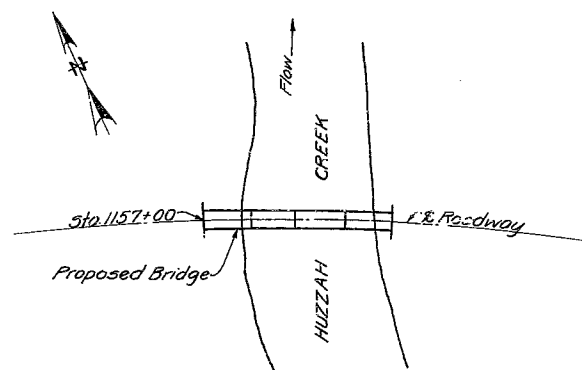
FED. ROAD DIST. ND.	STATE	FED. AID PROJ. NO.	FISCAL YFAR	SHEET NO.	TOT. SHEET
5	MO.	R32-5/5	19		



PLAN

Note: Curve formulæ based on 100' chords can. not be used in locating bents and piers.

CURVE DATA:
P.I. Sta. 1158+20.5
 $\Delta = 124^{\circ}-40'$ Rt.
D = 60'



LOCATION SKETCH

Concrete in handrail to be 1:2:3 mix "A". Concrete in slabs, curbs and girders to be 1:2:3½ mix "X". All other concrete to be 1:2:4 mix "B".
Exposed edges shall be beveled $\frac{3}{4}$ " where no other bevel is noted.
Where bituminous felt is used in expansion or partition joints in concrete, stitch felt in vertical joint securely to one face of concrete with copper wire.

Two name plates, type "A" as shown on Std. 5818 to be furnished and placed by contractor. Cost of name plates to be included in price bid for other items.

Only sufficient camber to be used in construction to insure against settlement below lines given as finished grade. No permanent camber required in individual spans.

Bridge excavation in accordance with Section I of Standard Specifications issued April 1, 1930.

Construction joints in slab permitted only longitudinally midway between girders. Provide keys.

B.M. # 116 Elev. 1017.09 - Nail in Root 24" Sycamore 40' Lt. Slo. 1159+10.

ESTIMATED		QUANTITIES		
Item		Superstr.	Substr.	Total
Excavation Class 1	Cu.Yds.		140	140
Excavation Class 2	Cu.Yds.		220	220
Concrete 1:2:3 mix A"	Cu.Yds.	20.3		20
Concrete 1:2:3 mix X"	Cu.Yds.	318.6		318
Concrete 1:2:4 mix B"	Cu.Yds.		129.4	129
Sisal Castings	Lbs.	4600		4600
Phosphor Bronze Bearing Plates	Lbs.	1040		1040
Reinforcing Steel	Lbs.	91580	12670	104250

Note: Bridge excavation above Elev. 1011.0 will be paid for as Class. 1 Bridge Excavation.
Bridge excavation below Elev. 1011.0 will be paid for as Class 2 Bridge Excavation.
Excavation required to place superstructure allowing 4'-0" below bottom of girders and 4'-0" outside of curbs will be paid for at unit price bid for roadway excavation.

BRIDGE OVER HUZZAH CREEK

STATE ROAD FROM SALEM TO IRON CO. LINE

ABOUT 17 MILES EAST OF SALEM

PROJECT NO. R32-S15 STA. 1157+00

DENT COUNTY

SUBMITTED BY *W. R. [Signature]* DATE *2/14/31*
BRIDGE ENGINEER
APPROVED BY *T. D. [Signature]* DATE *2/14/31*
CHIEF ENGINEER

STD 5818

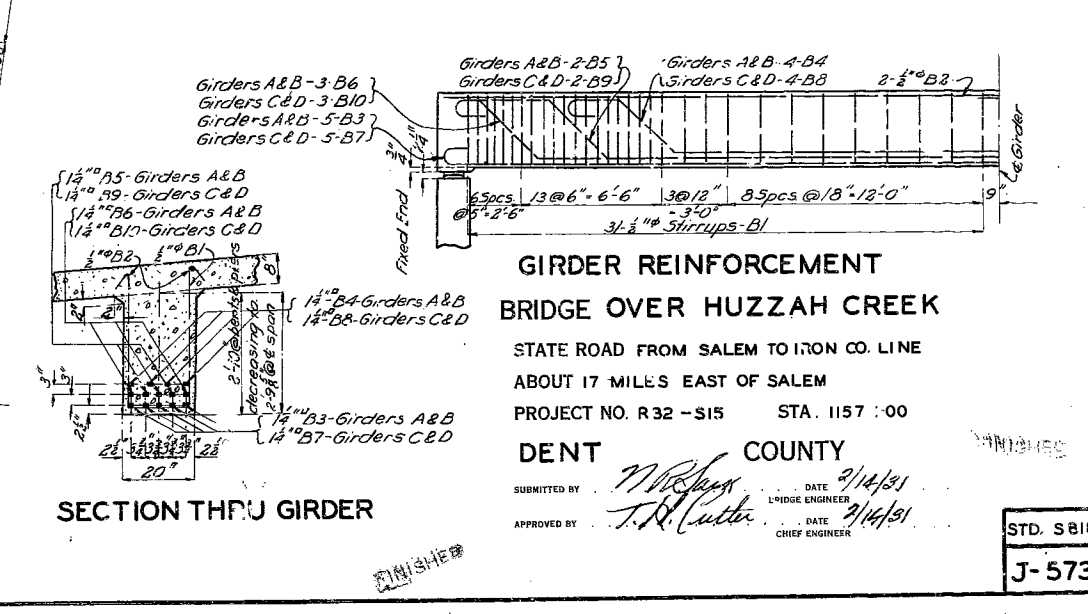
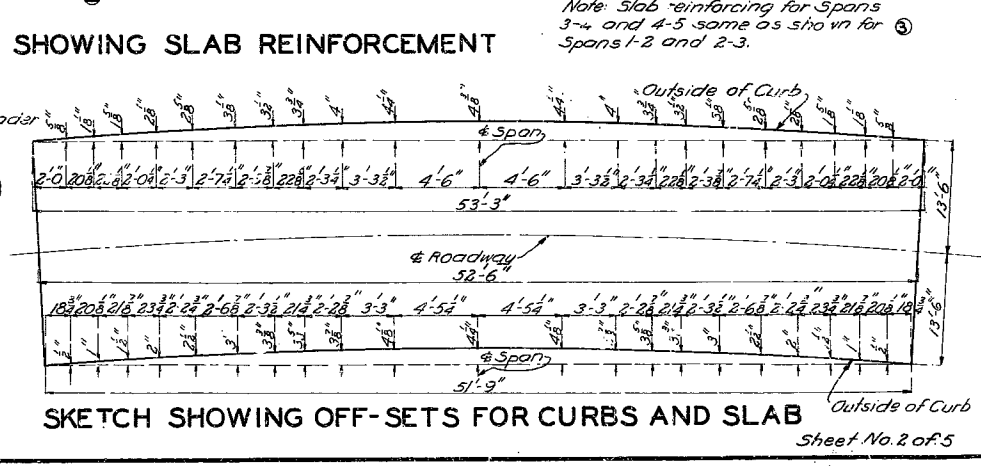
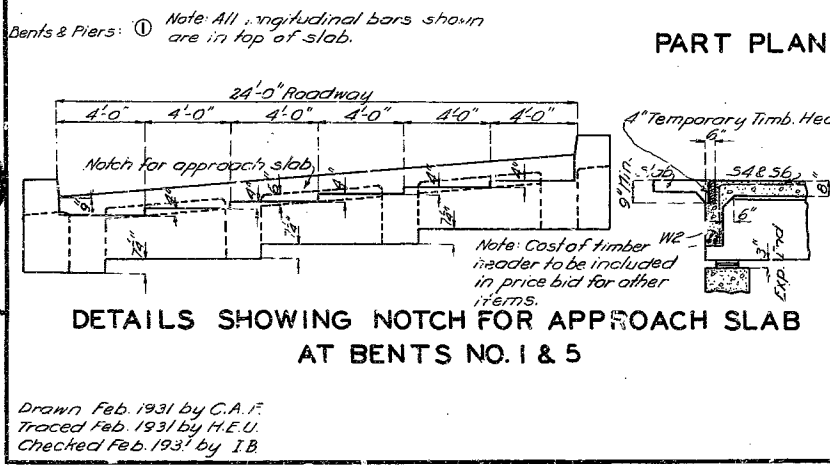
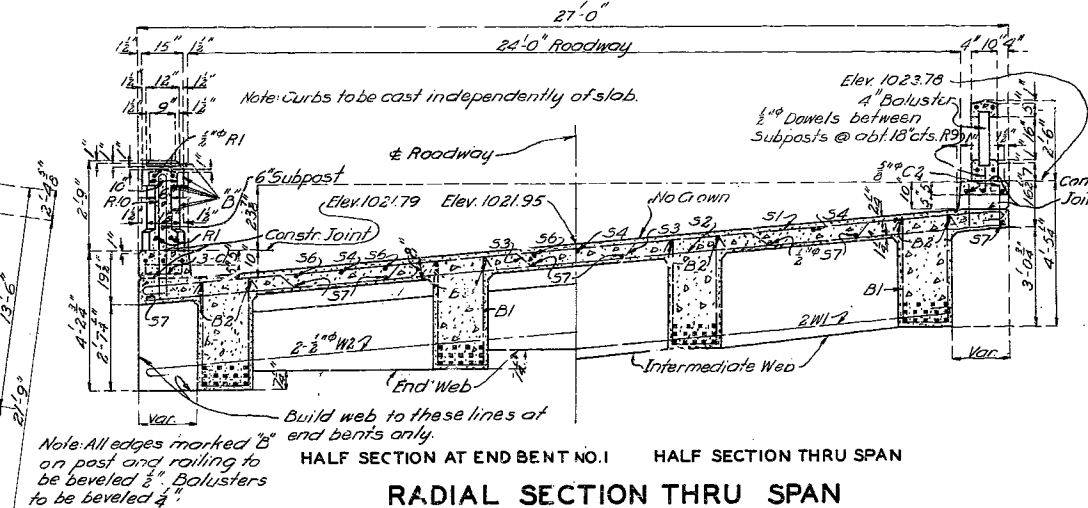
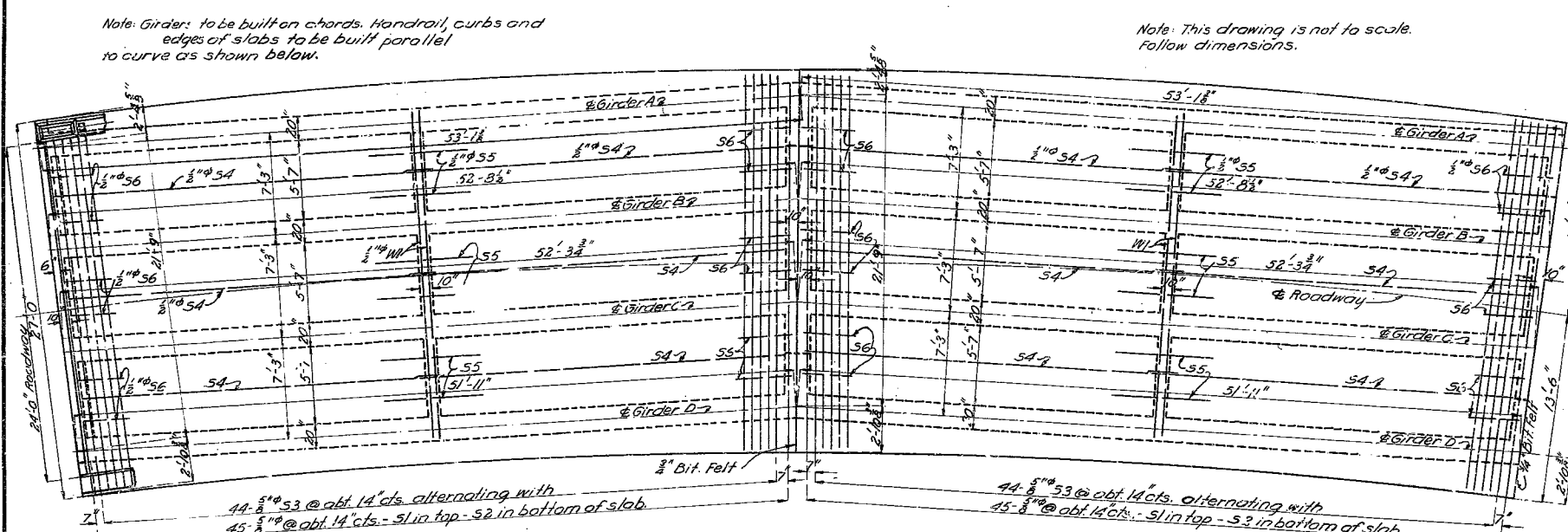
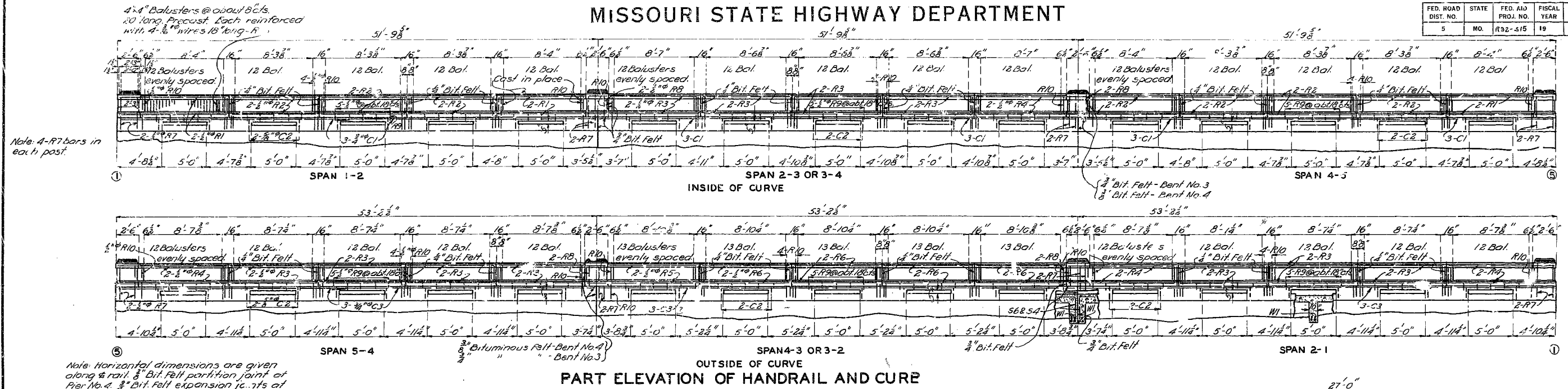
J-573

Drawn Feb. 1931 By R.A.B.
Traced Feb. 1931 By G.W.
Checked Feb. 1931 By I.B.

Sheet No. 1 of 5.

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	R32-515	19		

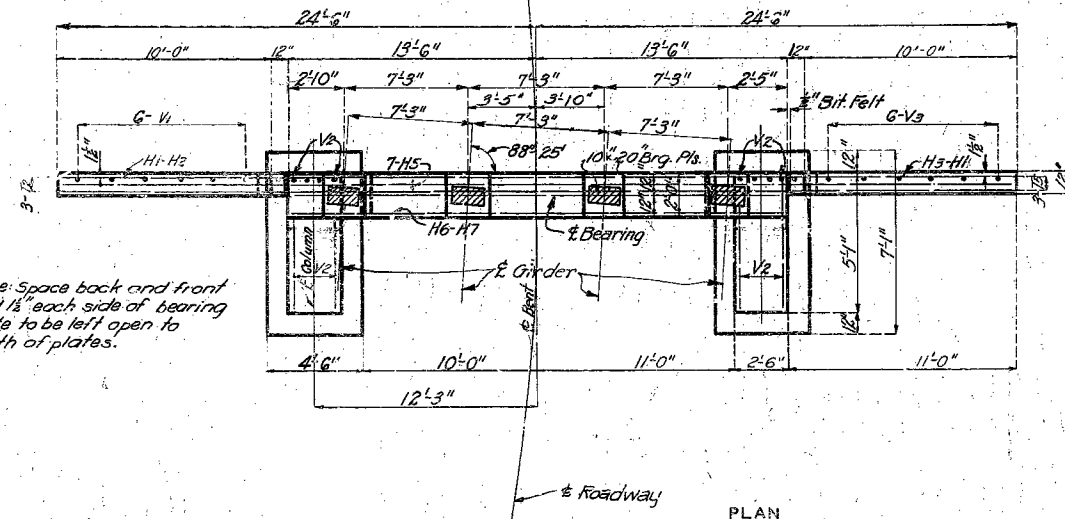
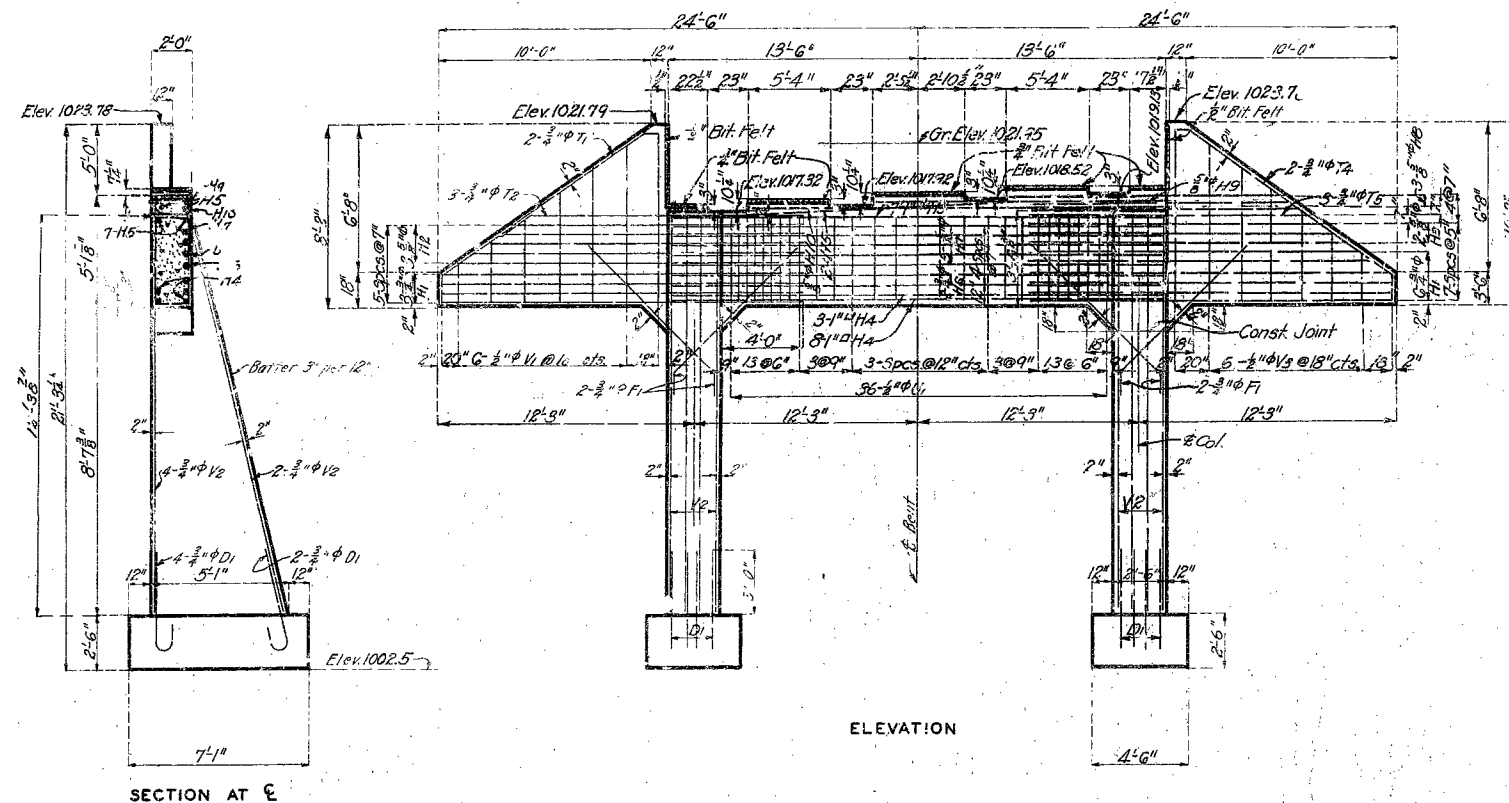


Drawn Feb. 1931 by C.A.P.
Traced Feb. 1931 by H.E.U.
Checked Feb. 1931 by I.B.

GIRDER REINFORCEMENT
BRIDGE OVER HUZAZH CREEK
STATE ROAD FROM SALEM TO IRON CO. LINE
ABOUT 17 MILES EAST OF SALEM
PROJECT NO. R32-515 STA. 1157+00
DENT COUNTY
SUBMITTED BY *M. R. Hays* DATE 2/14/31
APPROVED BY *J. H. Carter* DATE 2/14/31
L'RDGE ENGINEER
CHIEF ENGINEER

STD. S818
J-573

FED. ROAD DIST. NO.	STATE	FED. RD. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	R3E-515			



DETAILS OF END BENT NO.1

COMPLETE BILL OF REINFORCING STEEL

No.	Size	Length	Mark	Location
Sub-structure				
End Brnls. No. 1 & 5				
24	3/4"φ	6'-3"	D1	Footng
16	3/4"φ	9'-3"	17	Haunch
16	3/4"φ	17'-6"	11	Wing
3	3/4"φ	31'-6"	12	"
4	3/4"φ	17'-6"	11A	"
28	1 1/4"φ	26'-9"	11.5	Beam
16	3/4"φ	26'-9"	11	"
4	3/4"φ	26'-9"	11	"
4	3/4"φ	13'-9"	11	Wing
6	3/4"φ	14'-3"	12	"
4	3/4"φ	25'-2"	12	"
6	3/4"φ	14'-3"	11.5	"
6	3/4"φ	9'-9"	11	"
12	3/4"φ	12'-0"	V2	Column
16	3/4"φ	13'-3"	V3	Wing
16	3/4"φ	9'-6"	V4	Column
12	3/4"φ	11'-6"	U1	Beam
2	3/4"φ	30'-6"	H3	Wing
2	3/4"φ	15'-6"	H9	Beam
2	3/4"φ	22'-0"	H10	"
Piers No. 3, 5 & 4				
48	1"φ	8'-3"	D3	For
9	1"φ	25'-0"	H1	Wc
18	1/2"φ	25'-0"	H12	"
12	1"φ	23'-6"	H12	Cap
138	3/8"φ	7'-0"	P2	"
26	3/8"φ	8'-6"	V6	Web Wall
16	3/8"φ	13'-0"	V7	Column
32	1"φ	8'-0"	V8	"
52	3/8"φ	8'-0"	V9	Web Wall
42	3/8"φ	3'-6"	P3	Haunch
21	3/4"φ	4'-0"	P4	"

Bending Sketches & Cutting Diagram.

Super-structure

No.	Size	Length	Mark	Location
99.2	1/2"φ	8'-9"	B1	Girder
6.4	1/2"φ	2'-5"	B2	"
40	1 1/2"φ	55'-0"	B3	"
32	1 1/2"φ	45'-6"	B4	"
16	1 1/2"φ	85'-3"	B5	"
12	1 1/2"φ	56'-3"	B6	"
40	1 1/2"φ	54'-0"	B7	"
32	1 1/2"φ	44'-6"	B8	"
16	1 1/2"φ	55'-3"	B9	"
4	1 1/2"φ	55'-3"	B10	"
24	3/4"φ	27'-3"	C1	Surb
160	3/4"φ	12'-1"	C2	"
24	3/4"φ	28'-0"	C3	"
190	3/4"φ	28'-3"	S1	Slab
190	3/4"φ	26'-9"	S2	"
176	3/4"φ	24'-5"	S3	"
24	1/2"φ	24'-6"	S4	"
24	1/2"φ	7'-0"	S5	"
48	1/2"φ	6'-3"	S6	"
6.2	1/2"φ	26'-9"	S7	"
20	1/2"φ	24'-9"	W1	Web
4	1/2"φ	25'-3"	W2	"
12	1/2"φ	11'-9"	R1	Rail
23	3/8"φ	9'-3"	R2	"
60	1/2"φ	9'-6"	R3	"
20	3/8"φ	12'-0"	R4	"
32	3/8"φ	12'-3"	R5	"
40	3/8"φ	9'-9"	R6	"
12	1/2"φ	3'-9"	R7	Post
12	1/2"φ	2'-3"	R8	"
200	3/8"φ	9'-9"	R9	Rail
14.4	3/8"φ	11'-6"	R10	Support
1460	3/8"φ	18"	R11	Balusters

Note: Dimensions of bars are given along Φ and are for computed lengths.

BRIDGE OVER HUZZAH CREEK

STATE ROAD FROM SALEM TO IRON CO. LINE
ABOUT 17 MILES EAST OF SALEM
PROJECT NO R32-315 STA. 1157+00

DENT COUNTY

SUBMITTED BY *M. R. Rains* DATE *7/14/31*

APPROVED BY *T. D. Little* CHIEF ENGINEER

STD. S 818
J- 573

Assembled Feb 1931 By R.A.B. - H.E.U. - H.W.H.
 Checked Feb. 1931 By T.B.
 Drawn July 1929 By H.E.U.
 Checked Feb. 1929 By E.B.

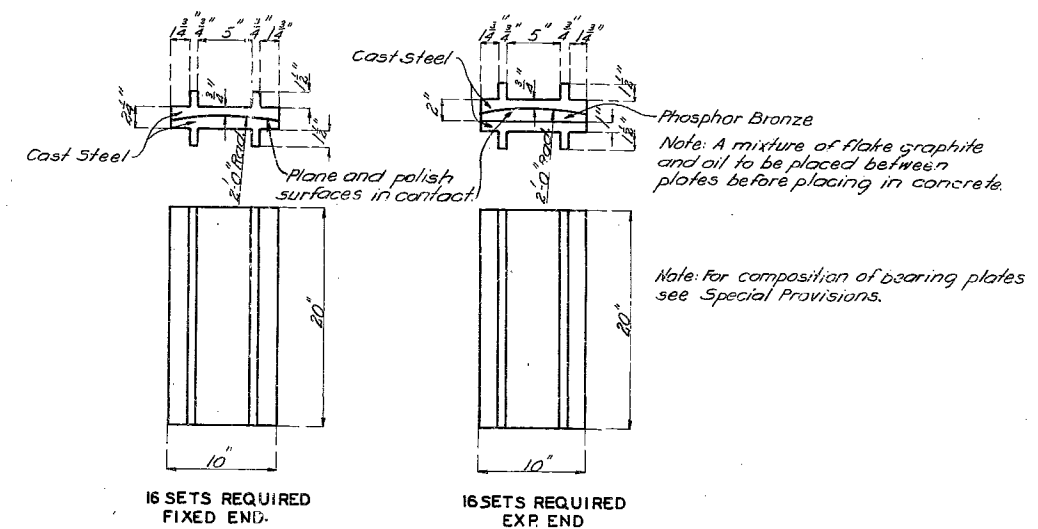
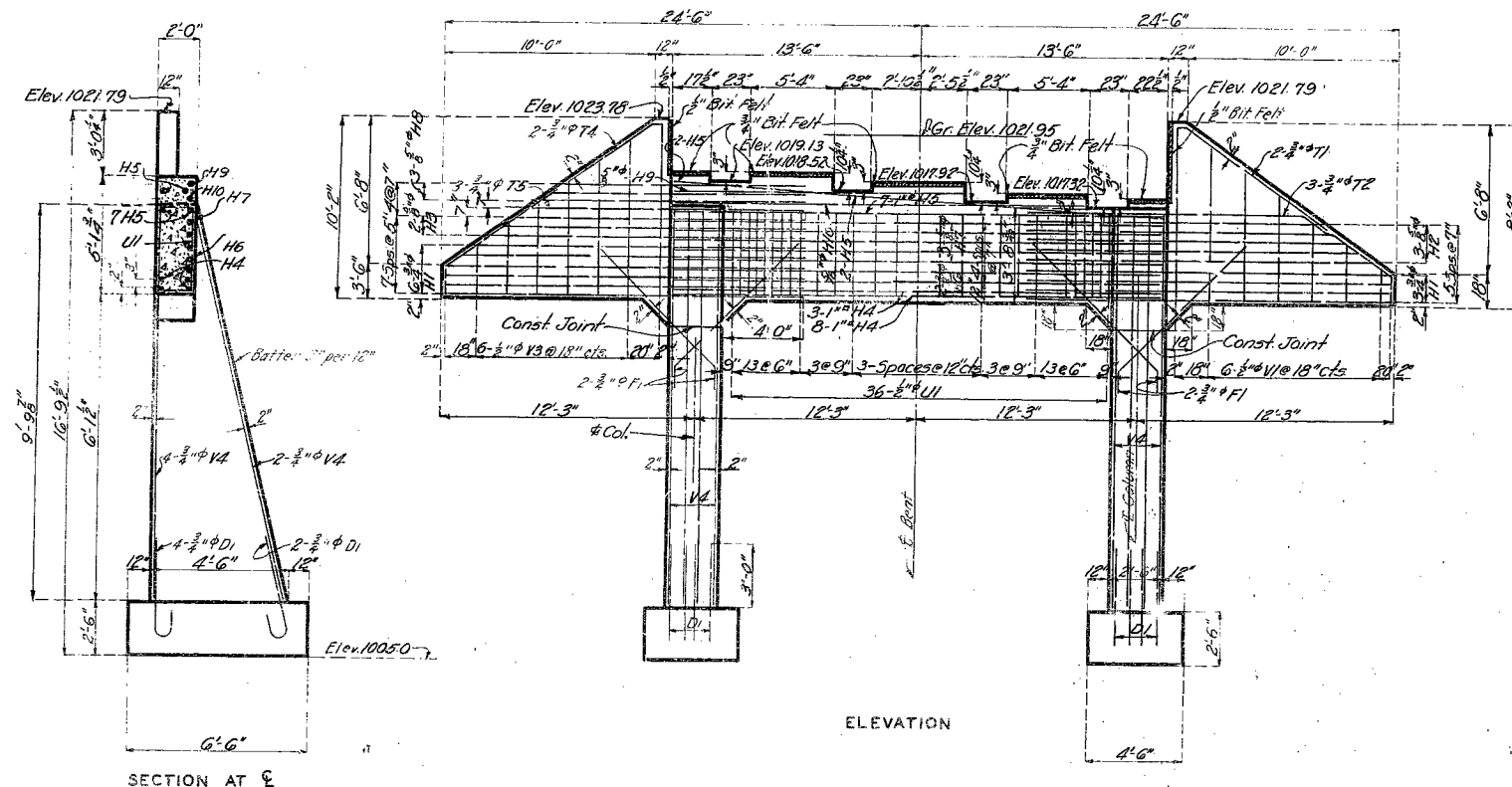
Note :-
This drawing is not to scale.
Follow dimensions.

FINISHED

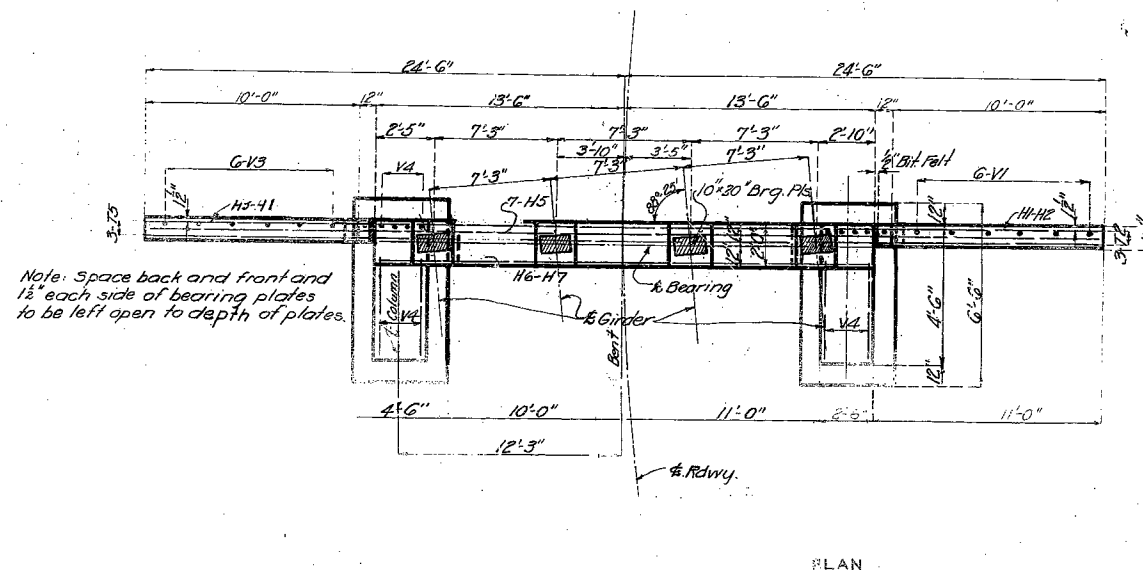
Sheet No. 3 of 5

MISSOURI STATE HIGHWAY DEPARTMENT

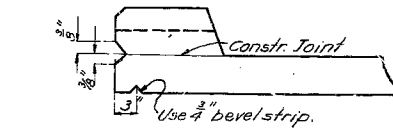
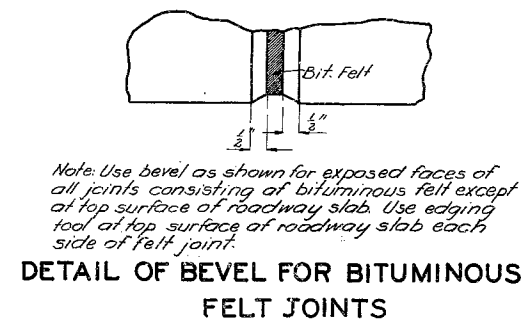
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	R32-S15			



DETAILS OF BEARING PLATES



Note: Space back and front and 1/2" each side of bearing plates to be left open to depth of plates.



BRIDGE OVER HUIZZAH CREEK

STATE ROAD FROM SALEM TO IRON CO. LINE
ABOUT 17 MILES EAST OF SALEM
PROJECT NO. R32-S15 STA. 1157+00

DENT COUNTY

DATE: 2/14/31
DRAWN: J. H. R. 2/14/31

Assembled Feb. 1931 By C.A.F.-H.E.U.-R.A.S.
Checked Feb. 1931 By J.B.
Drawn July 1928 By H.E.C.
Checked Feb. 1929 By E.B.


DETAILS OF END BENT NO. 5


Note: This drawing is not to scale
Follow dimensions


FINISHED

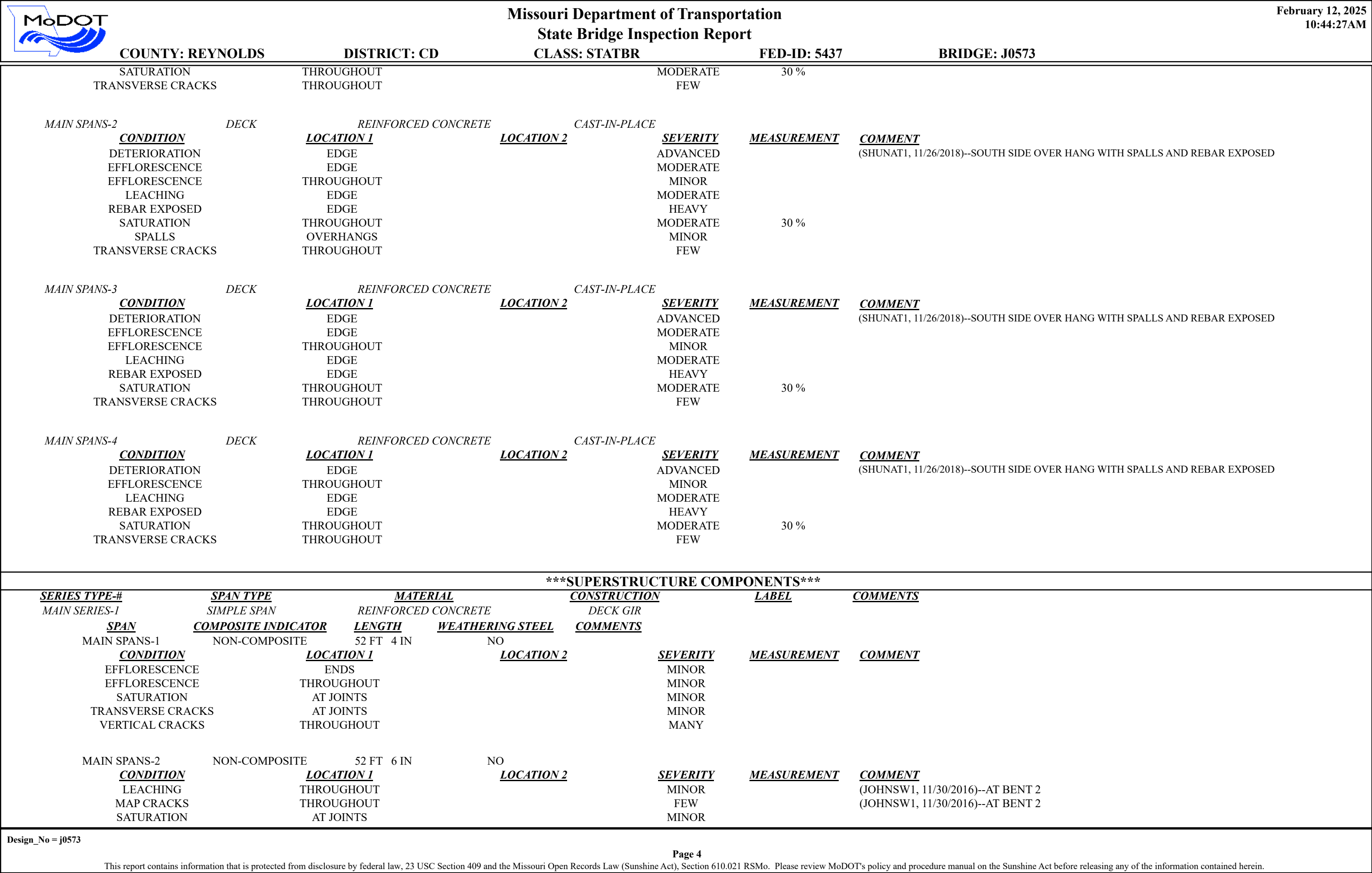
Sheet No. 4 of 5.

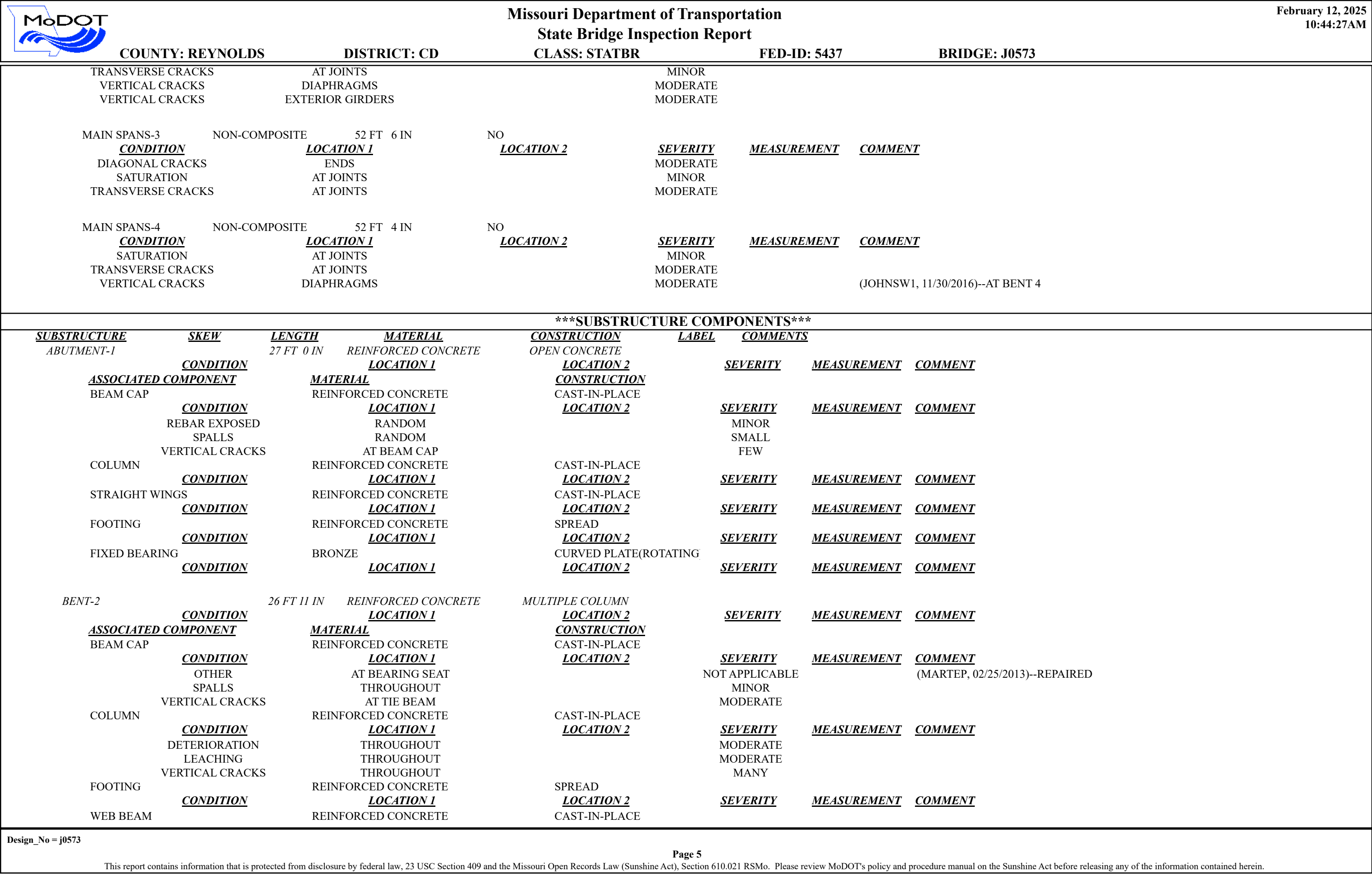
J-573

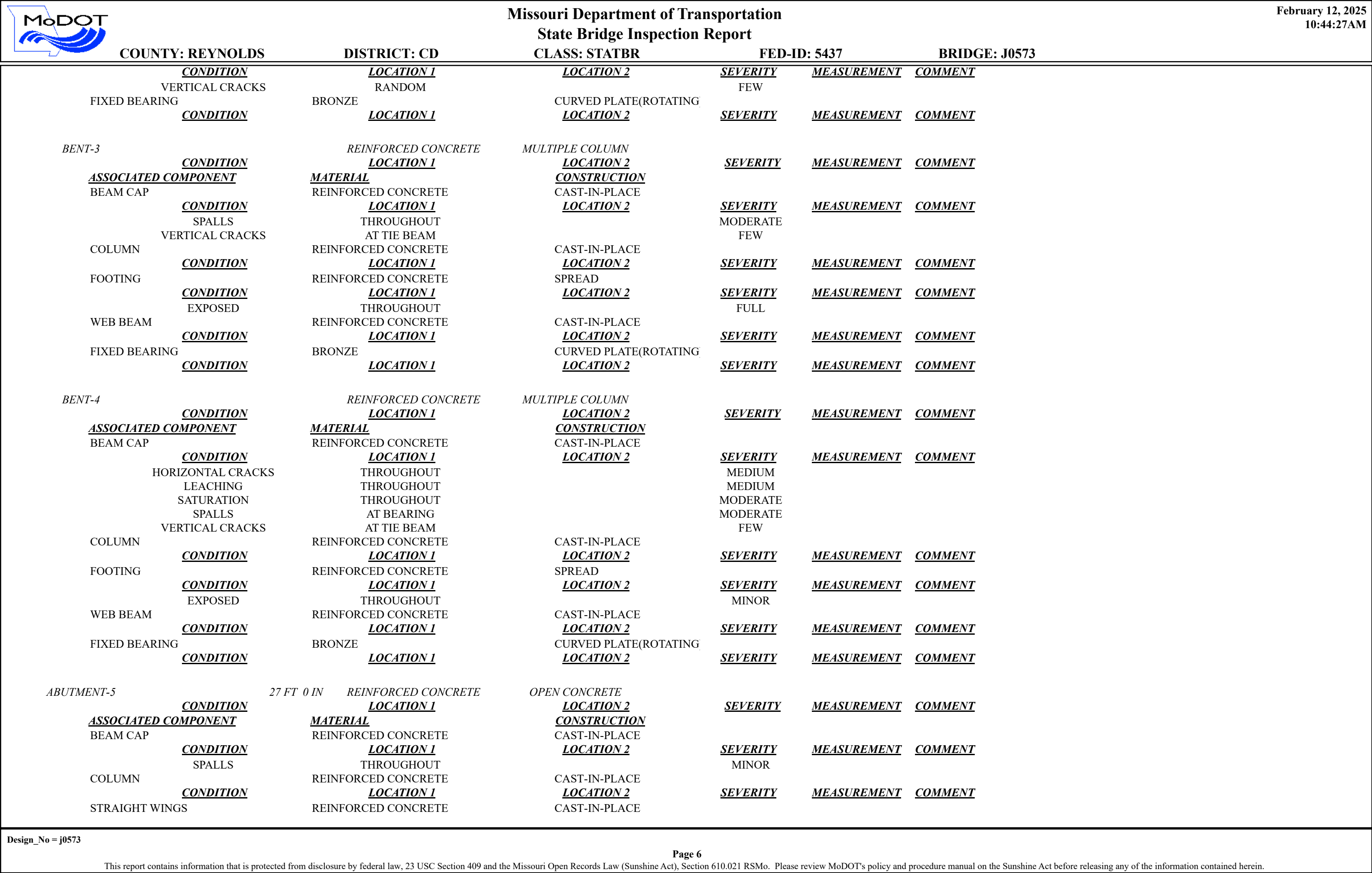
		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>February 12, 2025</div> <div>10:44:27AM</div>			
COUNTY: REYNOLDS		DISTRICT: CD		CLASS: STATBR		FED-ID: 5437		BRIDGE: J0573	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: MO32E</div> <div>FEATURE: HUZZAH CR</div> <div>STATUS: A-OPEN</div> <div>LOG MILE: 196.413</div> <div>DETOUR: 45.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1931</div> <div>REHAB:</div> <div>LOCATION: S 18 T 34 R 3 W</div> <div>LATITUDE: 37 38 45.59 (DMS)</div> <div>LONGITUDE: 91 11 44.34 (DMS)</div>		<div># SPANS: 4</div> <div>LANES ON: 2</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: WEST to EAST</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: RL-MINOR ARTERIAL</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: SE</div> <div>MAINTENANCE COUNTY: REYNOLDS</div> <div>SUB AREA: 7H5K</div>		<div>PLACE CODE: 55118 OSAGE</div> <div>LENGTH: 210 FT 0 IN</div> <div>MAXIMUM SPAN: 52 FT 6 IN</div> <div>APPROACH ROADWAY: 21 FT 0 IN</div> <div>CURB TO CURB: 24 FT 0 IN</div> <div>OUT TO OUT: 27 FT 0 IN</div> <div>AADT: 1193</div> <div>AADT YEAR: 2023</div> <div>AADT TRUCK: 18.7%</div> <div>FUTURE AADT: 1790</div> <div>FUTURE AADT YEAR: 2043</div>		<div>DATE: 11/22/2024</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: ETHAN PINKLEY</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2:</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						GENERAL INSPECTION COMMENTS			
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
FRACTURE CRITICAL INSPECTION COMMENTS					INDEPTH INSPECTION COMMENTS				
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE: 08/31/2023</div> <div>FREQUENCY: 48</div> <div>TEAM LEADER: ED HESS</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 57</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
SPECIAL INSPECTION COMMENTS					UNDERWATER INSPECTION COMMENTS				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>					<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				
Design_No = j0573									
<div>Page 1</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>									


		Missouri Department of Transportation			February 12, 2025	
		State Bridge Inspection Report			10:44:27AM	
COUNTY: REYNOLDS		DISTRICT: CD	CLASS: STATBR	FED-ID: 5437	BRIDGE: J0573	
STRUCTURE POSTING						
APPROVED CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(52'-52'-52'-52') SMP DECK GDR SPANS						
[ITEM 58] DECK: 5-FAIR CONDITION			COMMENTS: (OTTINM, 10/30/2012)--SAT			
RATING : 05/18/2001						
[ITEM 59] SUPER: 4-POOR CONDITION			COMMENTS: (OTTINM, 10/30/2012)--SAT			
RATING : 11/29/2022			(BRAWLK1, 11/29/2022)--DIAGONAL CRACKS @ GIRDER ENDS			
[ITEM 60] SUB: 4-POOR CONDITION			COMMENTS: (SHUNAT1, 11/26/2018)--DETERIORATION OF FOOTING			
RATING : 11/29/2022			SPALLING @ BENT 4 WITH MINOR AFFECT OF BEARING AREA			
			(BRAWLK1, 11/29/2022)--VERTICAL CRACKS IN BENT #2			
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE			COMMENTS: (SHUNAT1, 11/26/2018)--POOR CHANNEL ALIGNMENT			
RATING : 11/26/2018			LOCAL SCOUR @ BENT 2 MINOR			
[ITEM 113] SCOUR: 4-STABLE-CORR ACT NEEDED			COMMENTS: (SHUNAT1, 11/26/2018)--FOOTINGS FULLY EXPOSED ON BENTS 3 AND 4			
RATING : 11/26/2018						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV			COMMENTS:			
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY			COMMENTS:			
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0			RATING : 01/26/2009		COMMENTS:	
<u>MATERIAL</u>		<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
REINFORCED CONCRETE		BALUSTER	BOTH			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>	
DETERIORATION		THROUGHOUT		SEVERE		
REINFORCED CONCRETE		CURB	BOTH			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>	
DETERIORATION		THROUGHOUT		SEVERE	(WILSOT2, 02/09/2011)--FALLING CONCRETE INTO ROADWAY NORTH SIDE	
REBAR EXPOSED		THROUGHOUT		CONSIDERABLE		
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0			RATING : 05/18/2001		COMMENTS:	
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0			RATING : 05/18/2001		COMMENTS:	
Design_No = j0573						
Page 2						
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		State Bridge Inspection Report				10:44:27AM	
COUNTY: REYNOLDS		DISTRICT: CD		CLASS: STATBR		FED-ID: 5437	
				BRIDGE: J0573			
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0				RATING : 05/18/2001		COMMENTS:	
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		FAIR	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
TRANSVERSE CRACKS		THROUGHOUT				RANDOM	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS MAT	
<u>THICKNESS</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>		<u>OVERALL CONDITION</u>	
1 IN		2012				FAIR	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		LIQUID SEALANT		BUILT-UP	
<u>COMMENT:</u>							
		SECONDARY DECK PROTECTION		LIQUID SEALANT		INTERNALLY SEALED	
<u>COMMENT:</u>				2023		PAVON INDECK	
<u>DRAINAGE COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
DRAINAGE		REINFORCED CONCRETE		CURB OUTLET			
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
<u>CONSTRUCTION</u>		<u>GAP</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>	
<u>OVERALL CONDITION</u>							
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
BANK PROTECTION		ROCK		BLANKET		BOTH	
<u>COMMENTS</u>							
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		EDGE				ADVANCED	
EFFLORESCENCE		EDGE				MODERATE	
EFFLORESCENCE		THROUGHOUT				MINOR	
LEACHING		EDGE				MODERATE	
REBAR EXPOSED		EDGE				HEAVY	
<u>MEASUREMENT</u>							
<u>COMMENT</u>							
(SHUNAT1, 11/26/2018)--SOUTH SIDE OVER HANG WITH SPALLS AND REBAR EXPOSED							
Design_No = j0573							
Page 3							
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		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>February 12, 2025</div> <div>10:44:27AM</div>																			
COUNTY: REYNOLDS		DISTRICT: CD		CLASS: STATBR		FED-ID: 5437		BRIDGE: J0573																	
FOOTING		<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>		<u>MEASUREMENT</u>		<u>COMMENT</u>													
FIXED BEARING		<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>		<u>MEASUREMENT</u>		<u>COMMENT</u>													
		<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>		<u>MEASUREMENT</u>		<u>COMMENT</u>													
OVER/UNDER ROUTES CLEARANCE INFORMATION																									
<div><u>CLEARANCES OVER DECK</u></div> <div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div><table><tr><td><u>VERTICAL CLEARANCE TYPE**</u></td><td><u>VALUE</u></td><td><u>DIRECTION</u></td><td><u>DATE</u></td><td><u>COMMENT</u></td></tr></table></div>														<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>							
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>																					
<div><u>CLEARANCES UNDER BRIDGE</u></div> <div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div><table><tr><td><u>RECORD #</u></td><td><u>ROUTE</u></td><td><u># LANES</u></td><td><u>DIRECTION OF TRAFFIC</u></td><td><u>RIGHT LATERAL CLEARANCE</u></td><td><u>LEFT LATERAL CLEARANCE</u></td><td><u>UR-ID</u></td></tr><tr><td><u>VERTICAL CLEARANCE TYPE**</u></td><td><u>VALUE</u></td><td><u>DIRECTION</u></td><td><u>DATE</u></td><td><u>COMMENT</u></td></tr></table></div>														<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>	<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>
<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>																			
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>																					
STRUCTURE PAINT INFORMATION																									
CONDITION:		RUST AMOUNT :		STEEL TONS : 0																					
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>		<u>DEPARTMENT REPAINT</u>																					
PAINT TYPE :		PAINT TYPE :		PAINT TYPE :																					
NAME :		NAME :		NAME :																					
PAINT COLOR :		PAINT COLOR :		PAINT COLOR :																					
PAINT YEAR :		PAINT YEAR :		PAINT YEAR :																					
MILS :		MILS :		MILS :																					
REQUESTED WORK ITEMS																									
GENERAL WORK COMMENTS:																									
Design_No = j0573																									
<div>Page 7</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>																									

		Missouri Department of Transportation				February 12, 2025	
		State Bridge Inspection Report				10:44:27AM	
COUNTY: REYNOLDS		DISTRICT: CD		CLASS: STATBR		FED-ID: 5437	
						BRIDGE: J0573	
RESPONSIBILITY DISTRICT SPECIAL		LOCATION ROADWAY SURFACE		ITEM SEAL DECK WITH IN DECK		CATEGORY DECK	
				PRIORITY 3		DATE 10/10/2026	
						WORK ITEM COMMENT	
UTILITY ATTACHMENTS							
UTILITY		OWNER		METHOD		MEASUREMENT TYPE	
				VALUE		NUMBER	
						UTILITY ATTACHMENT COMMENT	
PROGRAM NOTES INFORMATION							
YEAR		PROJECT #		MONTH LET		YEAR LET	
		ITEMS				COMMENT	
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS							
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.				***ADVANCED SIGN INFORMATION***			
<u>Rated Item</u>				<u>Rating</u>			
<u>Rating Date</u>				SIGN #			
[Item 67] Structure Evaluation Rating:				1			
[Item 68] Deck Geometry Rating:				SIGN TYPE			
[Item 69] Underclearance:				PROBLEM			
Sufficiency Rating:				PROBLEM DIRECTION			
Deficiency:							
Funding Eligibility:				***OUTFALL INSPECTION INFORMATION***			
Estimated New Structure Length:				# OUTFALLS:			
Estimated Structure Cost:				INSPECTOR:			
Estimated Total Project Cost:				STATUS:			
Year of Cost Estimate:				DATE:			
NOTES:				NOTES:			
NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.							



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

February 12, 2025
10:56:35am

COUNTY : DENT BRIDGE : J0573 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 1/16/2025 SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION

1	State	MISSOURI
2	District	CD
3	County	DENT
8	Federal ID No.	5437
27	Year Built	1931
106	Year Reconstructed	0
42A	Type of Service On	HIGHWAY
21	Structure Maintenance	STATE HIGHWAY AGENCY
22	Structure Owner	STATE HIGHWAY AGENCY
33	Br. Median Code	NO MEDIAN
37	Historical Significance	HISTORICAL SIGNIF UNKNWN
101	Parallel Struc Desg	NONE EXISTS
103	Temporary Structure	NOT TEMPORARY
112	NBIS Bridge Length	YES

ROUTE DESIGNATION INFORMATION

5A	Record Type	ROUTE CARRIED 'ON' STRUCT
5B	Route Signing Prefix	MO
5C	Designated Level of Service	MAINLINE
5D	Route Number	00032
5E	Directional Suffix	NOT APPLICABLE
7	Facility Carried	MO 32 E
12	Base Hwy. Network	YES
13A	LRS Inventory Route No.	0000001056
13B	Subroute No.	00
20	Toll Status	ON FREE ROAD
26	Functional Classification	06-RURAL MINOR ARTERIAL
28A	Lanes on Structure	02
100	STRAHNET Designation	RTE NOT A DEFENSE HWY
104	National Highway System	NOT ON NHS
105	Federal Lands Highway	NOT APPLICABLE
110	Designated Nat. Network	YES

STRUCTURE LOCATION INFORMATION

4	Place	OSAGE
	Code	55118
9	Location	S 18 T 34 N R 3 W
11	Milepoint	197.56 miles
16	Latitude	37 D 38 M 46 S
17	Longitude	91 D 11 M 44 S

STRUCTURE TRAFFIC INFORMATION

29	AADT	1193
30	AADT Year	2023
102	Direction of Traffic	2-WAY TRAFFIC
109	AADT Truck Percent	19%
114	Future AADT	1790
115	Future AADT Year	2043

UNDERRECORD INFORMATION

6	Features Intersected	HUZZAH CR
42B	Type of Service Under	WATERWAY
28B	Lanes Under Structure	00
54A	Vert. Clearance Ref.	N/A
54B	Vert. Clearance	0 Ft. 0 In.
55A	Rt. Lat Clear Ref.	N/A
55B	Rt. Lat Clearance	0 Ft. 0 In.
56	Left Lat Clearance	0 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ
39	Nav Vertical Clear	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.
111	Nav. Pier Protection	
116	Nav. Cl. Vert. Clear	

STRUCTURE GEOMETRIC INFORMATION

10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
19	By pass Detour Length	45.00 miles
32	Approach Roadway Width	20 Ft. 12 In.
34	Skew	0.00 Degrees
35	Struct. Flared	NO
47	Total Horiz. Clear	23 Ft. 11 In.
48	Maximum Span Length	52 Ft. 6 In.
49	Structure Length	209 Ft. 12 In.
50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
51	Curb to Curb Br. Width	23 Ft. 11 In.
52	Deck Width (Out-Out)	26 Ft. 11 In.
53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = j0573



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

February 12, 2025
10:56:35am

COUNTY : DENT BRIDGE : J0573 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 1/16/2025 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 15	43A	Main Struc. Mat type	CONCRETE
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	TEE BEAM
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	4
64	Operating Rating	53 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	32 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 43.7 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility FULL			CONDITION RATING INFORMATION		
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	58	Deck Cond. Rating	5
75B	Work Done By	Contract	59	Superstructure Cond. Rating	4
76	New Struc Length	242 Ft. 9 In.	60	Substructure Cond. Rating	4
94	Struc Improve Cost	\$ 1,409,000	61	Channel /Channel Protection Cond. Rating	5
95	Roadway Improve Cost	\$ 141,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 2,114,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2025	90	Gen. Insp Date	11 / 24
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	24 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	4	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	4	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	8	98	Neighboring State Code	
72	Approach Road App. Rating	6	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	4	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-1			Field Posting Category S-1		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign			Tonnage Values for Posting Sign		
General Text for Posting Sign			General Text for Posting Sign		
NO POSTING REQUIRED			NO POSTING REQUIRED		

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