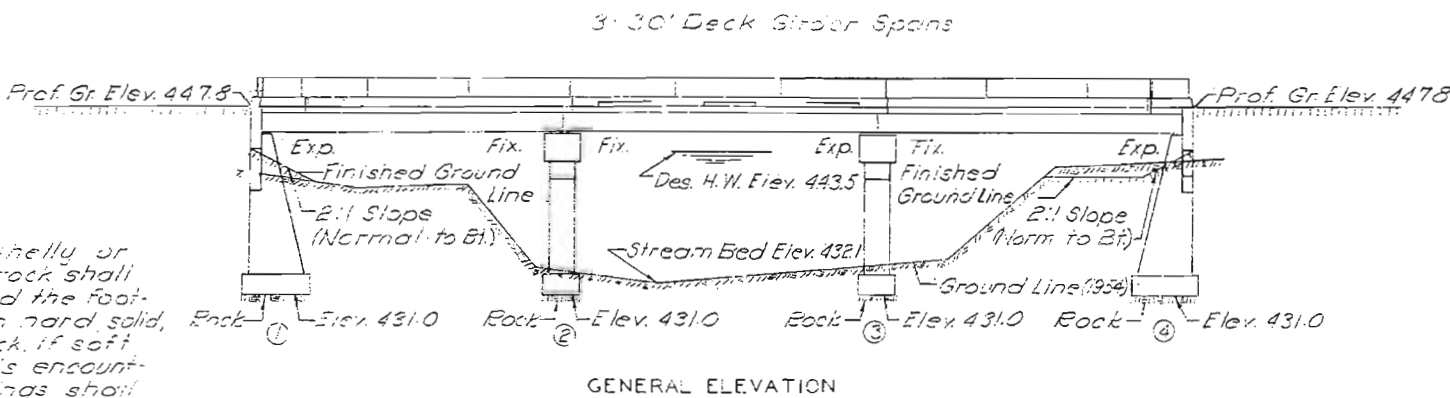


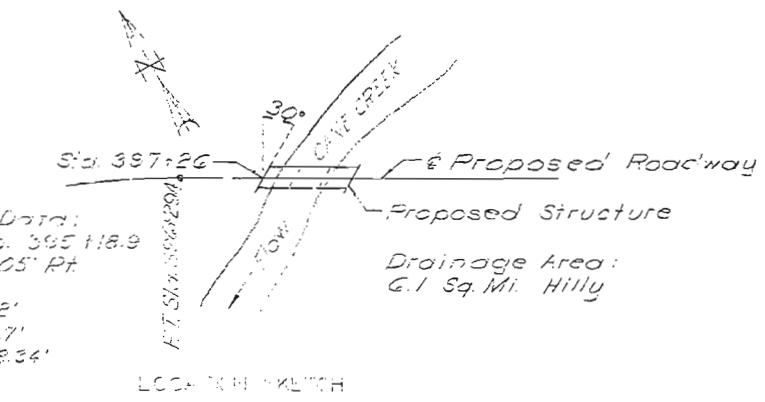
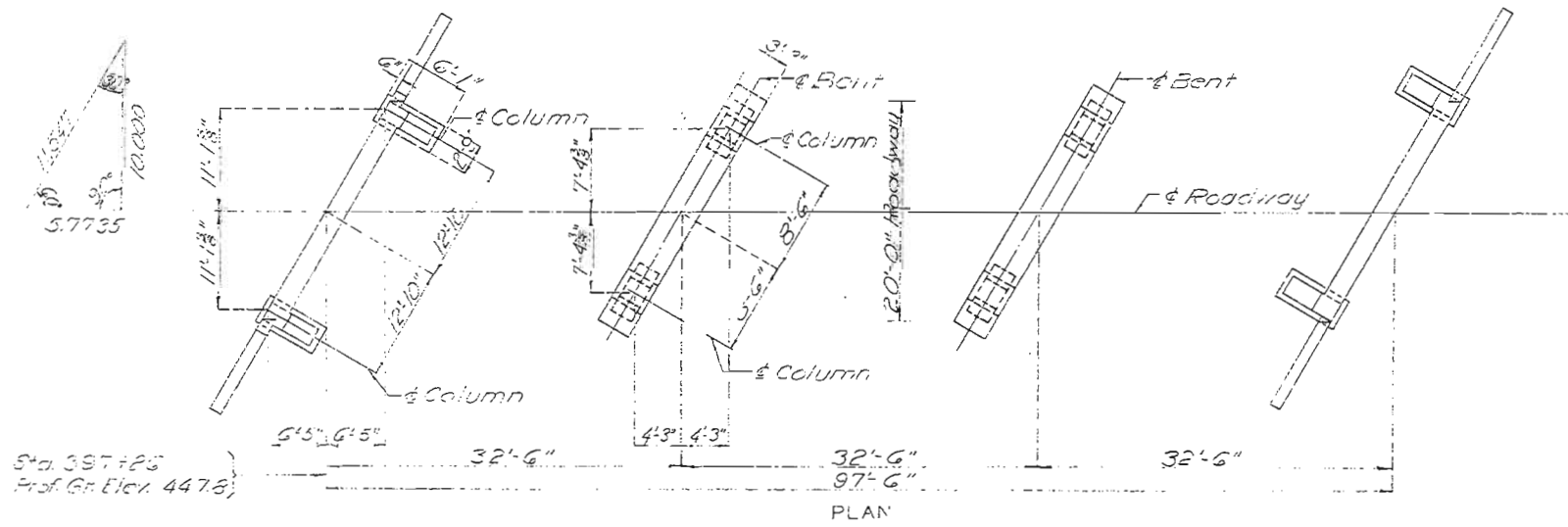
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	103-111	19		



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

Note: Excavation of all existing materials under bridge shall be made to not less than 4'-0" below bottom of girders and not less than 4'-0" outside of curb lines. Payment for this excavation outside the limits of excavation for substructure will be made at unit contract price for Roadway Excavation.



Curve Data:
Rt. Sta. 395+18.9
Δ=27°05' Rt.
D=12°
T=115.2'
L=220.7'
P=478.34'

Drainage Area:
6.1 Sq. Mi. Hilly

Drawn Oct. 1954 by JDM
Checked Oct. 1954 by AFH

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

BILL OF REINFORCING STEEL - SUBSTRUCTURE

No.	Size	Length	Mark	Location	Bending Sketches	Cutting Diagrams	No.	Size	Length	Mark	Location
28	#6	5'-3"	D1	Footings	3" 5'-9"	7" 2'-2 1/2"	32	#6	5'-3"	D1	Footings
16	#6	7'-6"	F1	Col. Hch.	5'-3" 7'-3"	2'-9 1/2" 5'-3 1/2"	16	#6	8'-3"	F2	Col. Hch.
10	#6	27'-0"	H1	Beam	13'-0"	8'-6"	16	#6	8'-3"	F3	Col. Hch.
4	#5	27'-0"	H3	"	7'-4" CUT 2 1/2"	5'-5" CUT 12"	26	#6	26'-6"	G1	Beam
4	#4	27'-0"	H4	"			4	#6	24'-6"	G2	Beam
20	#5	13'-3"	H5	Wing	12" U1	12" U3	32	#3	8'-3"	P1	Column
8	#6	12'-6"	T1	"	17" U1	2" U3	32	#6	12'-0"	P2	Column
12	#6	12'-0"	T2	"	2" U3	2" U3	50	#4	11'-3"	U3	Beam
54	#4	10'-6"	U1	Beam	23" U1	23" U1	20	#4	4'-0"	U4	"
10	#4	8'-6"	U2	"	U1 13'-P1	23" U1					
18	#6	12'-0"	V1	Column	6" R1	5'-5 1/2"					
12	#6	12'-6"	V2	"	2" U3	2" U3					
16	#4	10'-0"	V3	"	6" R1	5'-5 1/2"					
28	#3	13'-0"	V4	"	6" R1	5'-5 1/2"					
12	#4	8'-6"	V5	Wing	9'-5 1/2"	7'-3" F2					

Note: See Sheet No. 3 for Bill of Reinforcing Steel for Superstructure.

ESTIMATED QUANTITIES

Item	Substr.	Superstr.	Total
Class 1 Excavation for Structures: Cuyds.	60		60
Class 2 Excavation for Structures: Cuyds.	40		40
Class B Concrete (Handrail): Cuyds.		21	21
Class B Concrete (Except Handrail): Cuyds.	58.8	832	1426
Reinforcing Steel: Lbs.	222	7750	23210
Structural Steel Bearing: Lbs.		1240	1240

Note: Excavation for bridge made above Elev. 434.0 will be paid for as Class 1 Excavation for Structures.
Excavation for bridge made below Elev. 434.0 will be paid for as Class 2 Excavation for Structures.

GENERAL NOTES:
Design Specifications, A.A.S.H.O. 1953.
Loading: H19-44.
Reinforcing Steel Stress: 18,000 P.S.I.
Class "B" Concrete Stress: 1,000 P.S.I.
All concrete shall be Class "B".
Where joint filler is specified on the plans, it shall conform with the requirements for Pre-molded Material for Filler as given in Section 38-19A(1) of the Standard Specifications.

B.M. Elev. 443.27
G.L. 395+30

BRIDGE OVER CANE CREEK

STATE ROAD FROM RTE. SE. AT OAK RIDGE S. TO JACKSON
ABOUT 3.6 MILES N.W. OF JACKSON
PROJECT NO. S-187(1) SEC. 3(C) DISTA. 397+26

CAPE GIRARDEAU COUNTY

FINISHED

SUBMITTED BY: J.A. Williams
APPROVED BY: Rex M. Wharton
DATE: 11/2/1954
DATE: 11/2/1954

FINISHED

Sheet No. 1 of 3

SEE FINAL PLANS BROWN-LINES

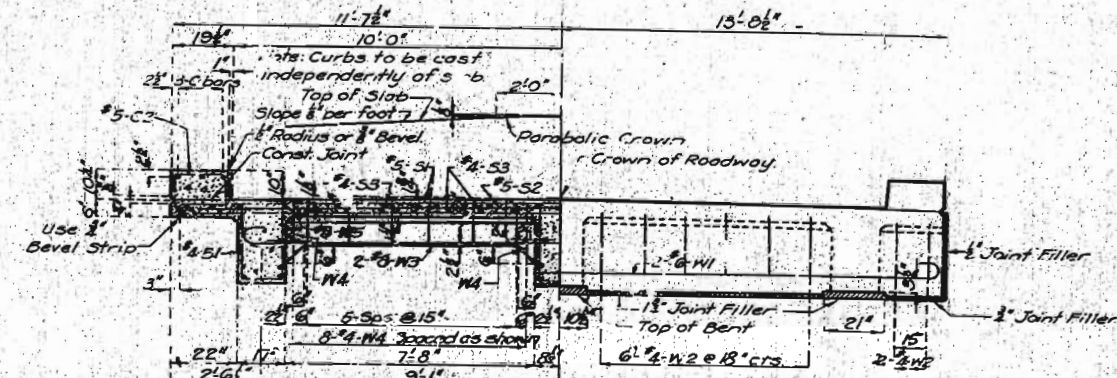
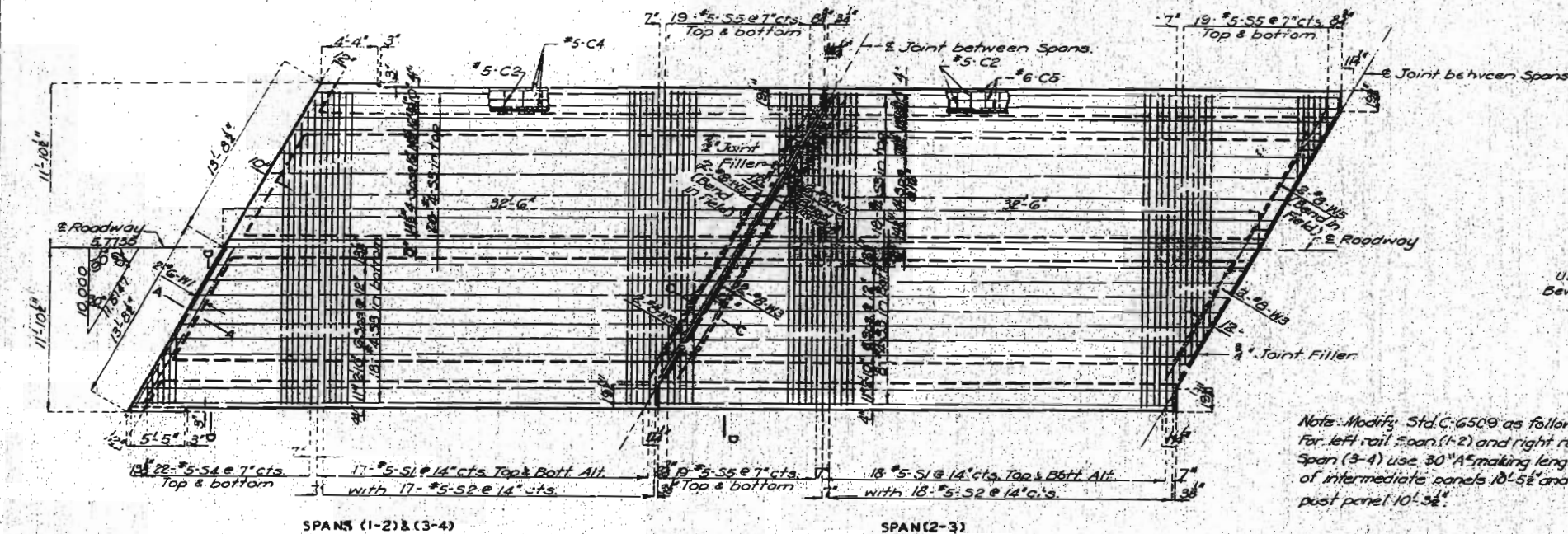
FINISHED

P-714

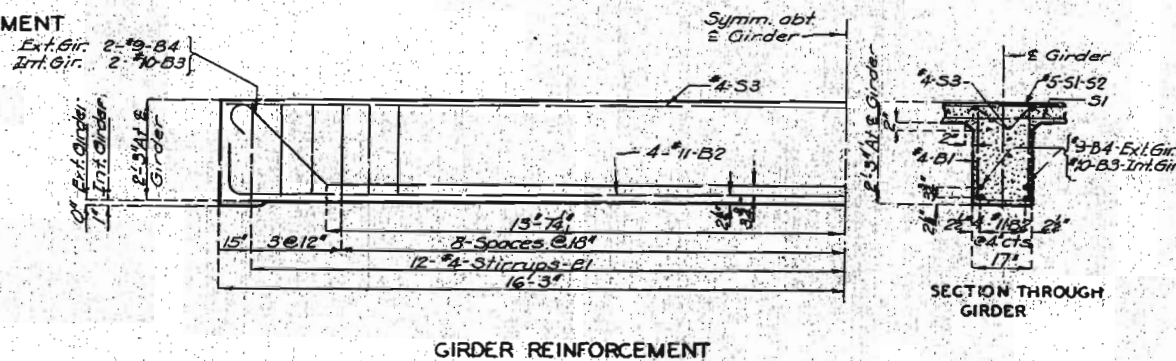
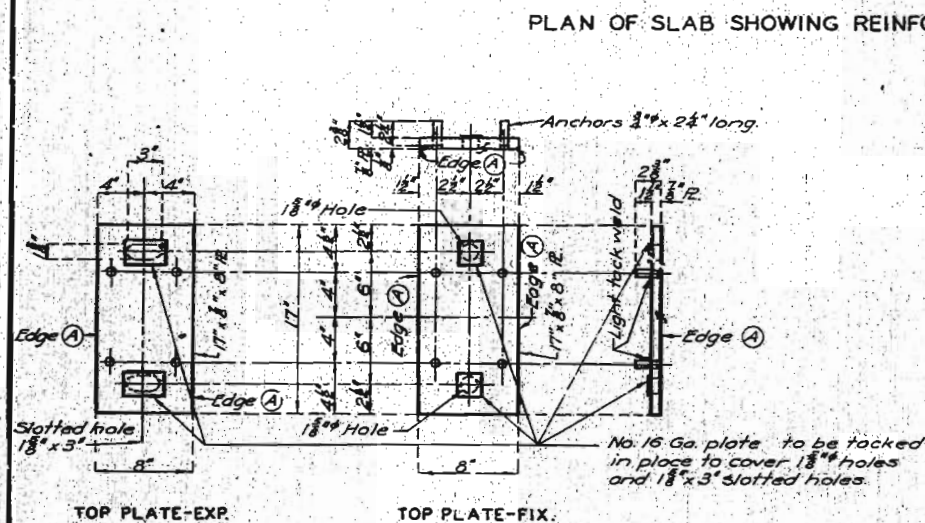
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	SEC. B (SD)	19		

Note: See Std. C-6279 for handrail, curb, etc. details of bevel for filled joints. Modify handrail and curb on end spans as noted.

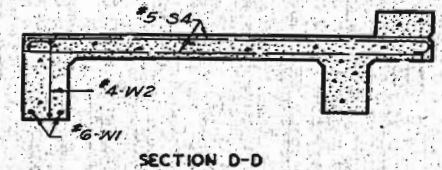
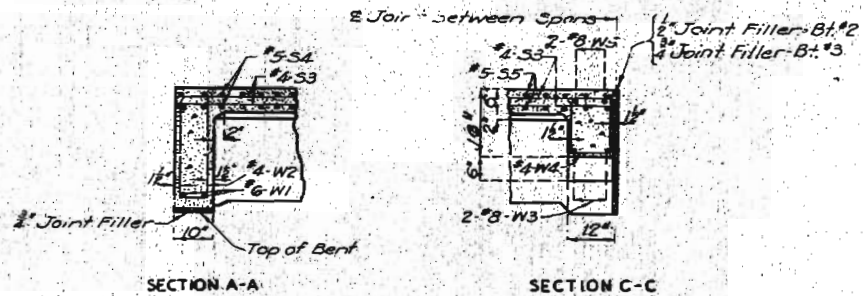
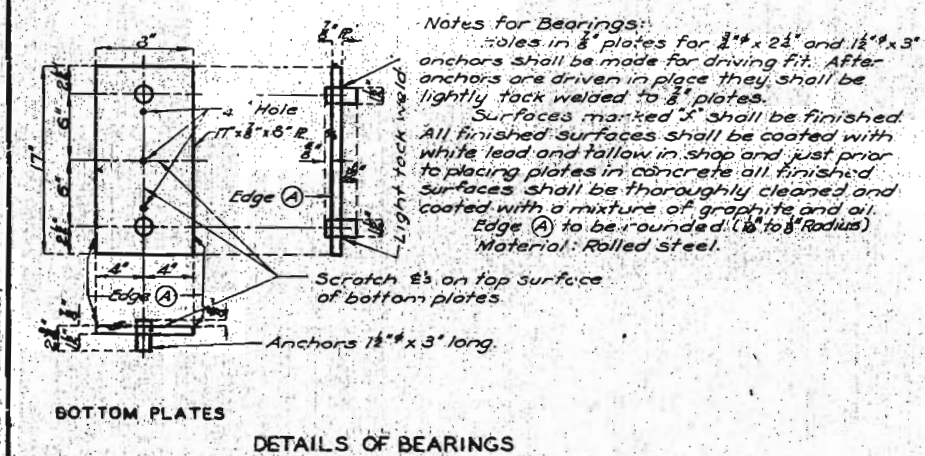


Note: Modify Std. C-6509 as follows: For left rail span (1-2) and right rail span (3-4) use 30" A making lengths of intermediate panels 10'-5 1/2" and end panel 10'-5 1/2".



BILL OF REINFORCING STEEL - SPAN									
No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams				
20	#5	3'-6"	C1	Curb					
148	#5	3'-3"	C2	"					
4	#5	4'-0"	C3	"					
18	#5	3'-3"	C4	"					
6	#6	3'-3"	C5	"					
104	#5	2'-0"	S1	Slab					
52	#5	2'-0"	S2	"					
114	#5	3'-3"	S3	"					
44	#5	2'-0"	S4	"					
76	#5	2'-0"	S5	"					
4	#6	2'-0"	W1	End Web					
32	#4	6'-0"	W2	"					
8	#0	2'-0"	W3	"					
64	#4	4'-0"	W4	"					
0	#5	2'-0"	W5	"					
207	#4	5'-0"	B1	Girder					
36	#11	3'-0"	B2	"					
6	#10	3'-0"	B3	"					
12	#9	3'-0"	B4	"					
20	#5	6'-0"	R1	End Rail					
178	#4	4'-0"	R2	"					
8	#4	4'-0"	R3	"					
8	#4	4'-0"	R4	"					
8	#4	4'-0"	R5	"					
32	#4	10'-0"	R6	Rail					
64	#4	10'-0"	R7	"					

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



BRIDGE OVER CANE CREEK
STATE ROAD FROM RTE. S.E. AT OAK RIDGE SOUTH TO JACKSON
ABOUT 3.6 MILES N.W. OF JACKSON
PROJECT NO. S-107(1) SEC. B (SD) STA. 397+26
CAPE GIRARDEAU COUNTY

Assembled Sept. 1954 by J.D.M. & S.R.G.
Checked Oct. 1954 by G.F.K.

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

Sheet No. 3 of 3

25' Thru 40' Gdvs. - Show L.A. - 20' Rdwy. - 40'
Revised Dec. 1952

446

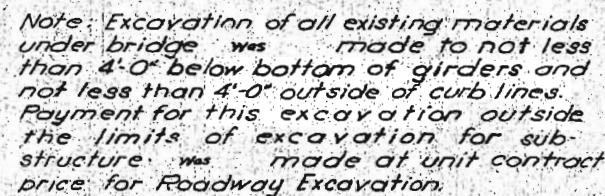
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FINISHED

FINISHED

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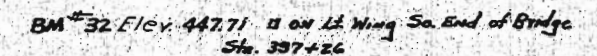
FINAL PLANS



Note: See Sheet No. 51 for Bill of Reinforcing Steel for Superstructure.

Note: Excavation for bridge made above Elev. 434.0 was paid for as Class 1 Excavation for Structures.
Excavation for bridge made below Elev. 434.0 was paid for as Class 2 Excavation for Structures.

GENERAL NOTES:
Design Specifications: A.A.S.H.O. 1953.
Loading: H10-44.
Reinforcing Steel Stress: 78,000 #/sq
Class "B" Concrete Stress: 1,000 #/sq
All concrete shall be Class "B".
Where joint filler is specified on the plans it shall conform with the requirements for Premoulded Material for Filler as given in Section 38-19A(1)h of the Standard Specifications.



BRIDGE OVER CANE CREEK

STATE ROAD FROM RTE. SE. AT OAK RIDGE S. TO JACKSON.
ABOUT 3.6 MILES N.W. OF JACKSON
PROJECT NO. S-187(1) SEC B(SD) STA. 397+26

CAPE GIRARDEAU COUNTY

RECEIVED BY J. D. Williams DATE 11/2/1954
APPROVED BY Rev M. Whittier DATE 11/2/1954

FINISHED

FINISHED

FINISHED

Slide No. 1A of 2

FINAL PLANS

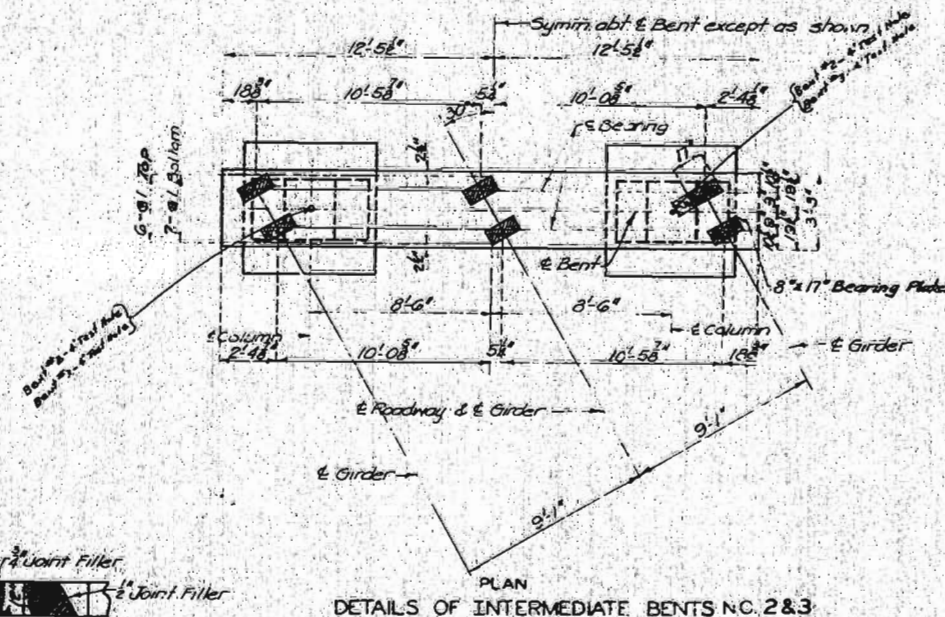
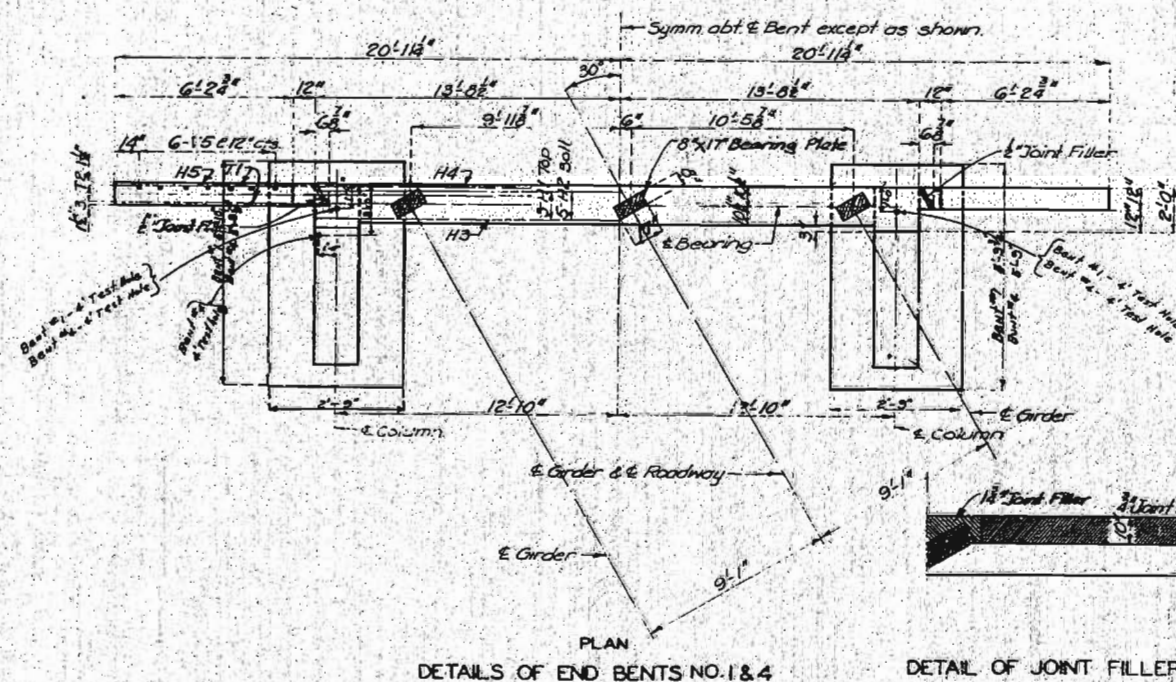
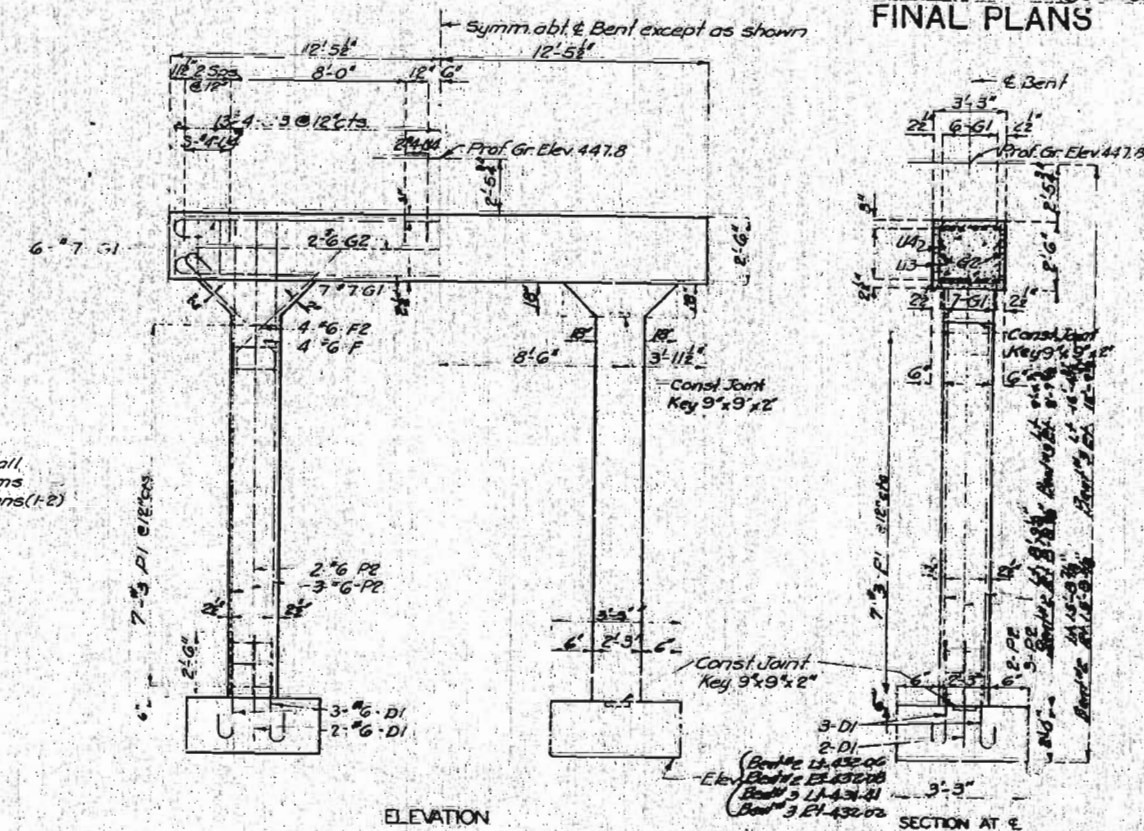
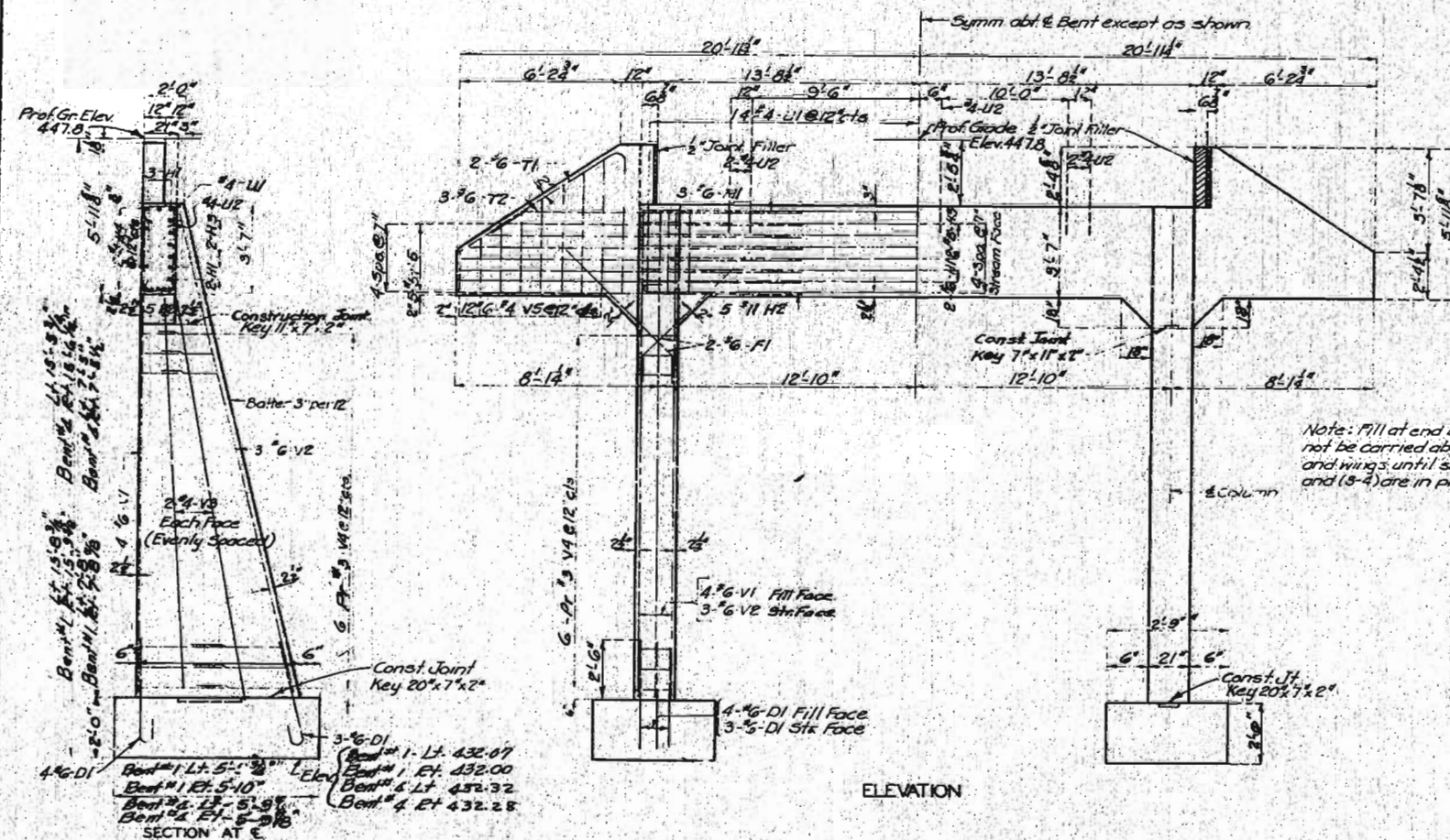
P-74

P-74

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P-74

FED. ROAD STATE FED. A
DIST. NO. PROJ. NO.
5 U.S. F 76717
FISC. (50) 50 61
FINAL PLANS



BRIDGE OVER CANE CREEK

STATE ROAD FROM RTE. 5.E. AT OAK RIDGE SOUTH TO JACKSON
ABOUT 3.6 MILES N.W. OF JACKSON
PROJECT NO S-187(D) SEC.B (SD) STA. 397+26

CAPE GIRARDEAU COUNTY

FINISHED

FINISHED

FINAL PLANS


P-714


Date: Sept. 1954 by J.D.M. & B.R.G.
 Author: Oct. 1954 by A.F.K.


Oct. 1954 by A.F.K.

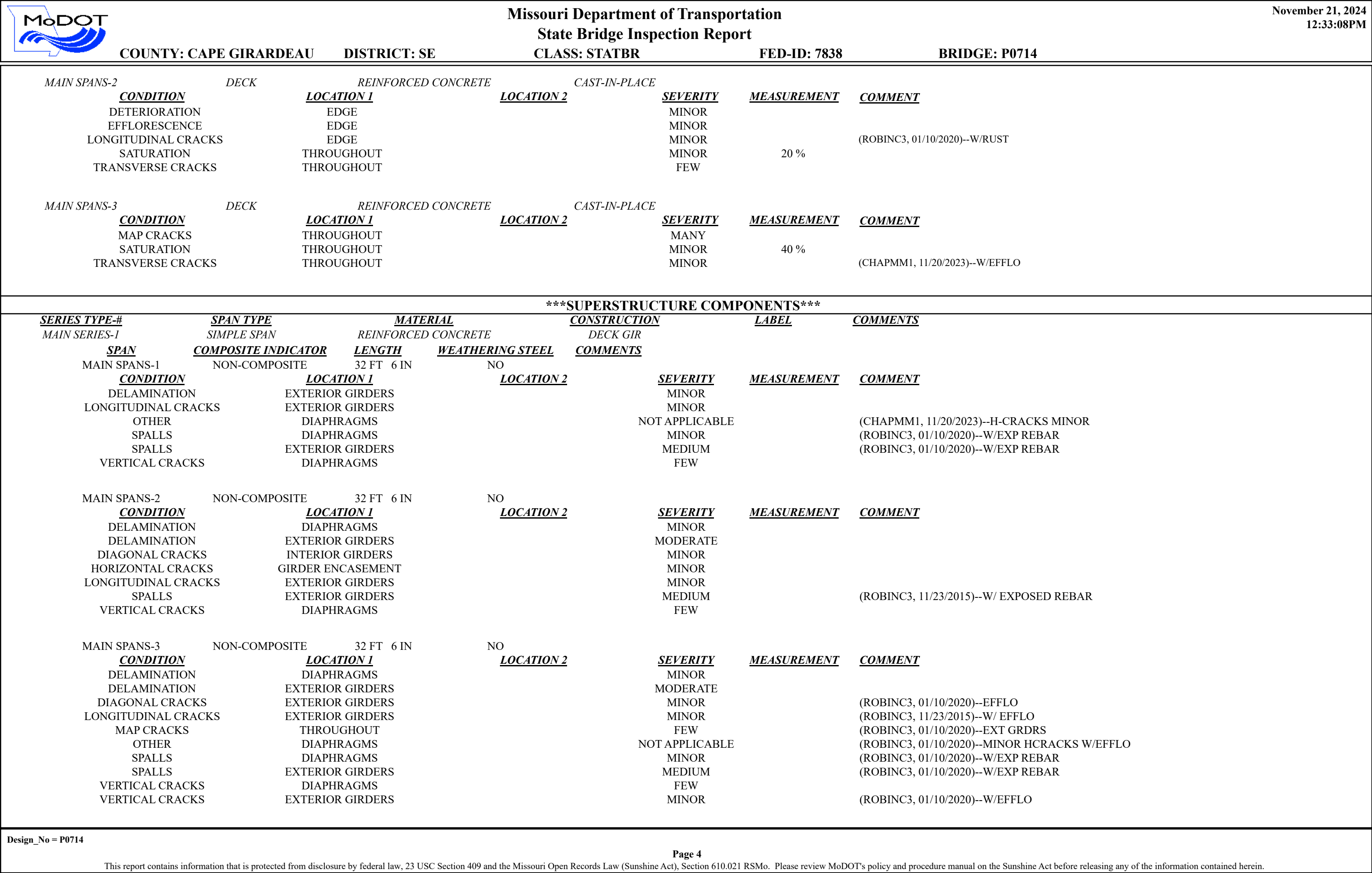
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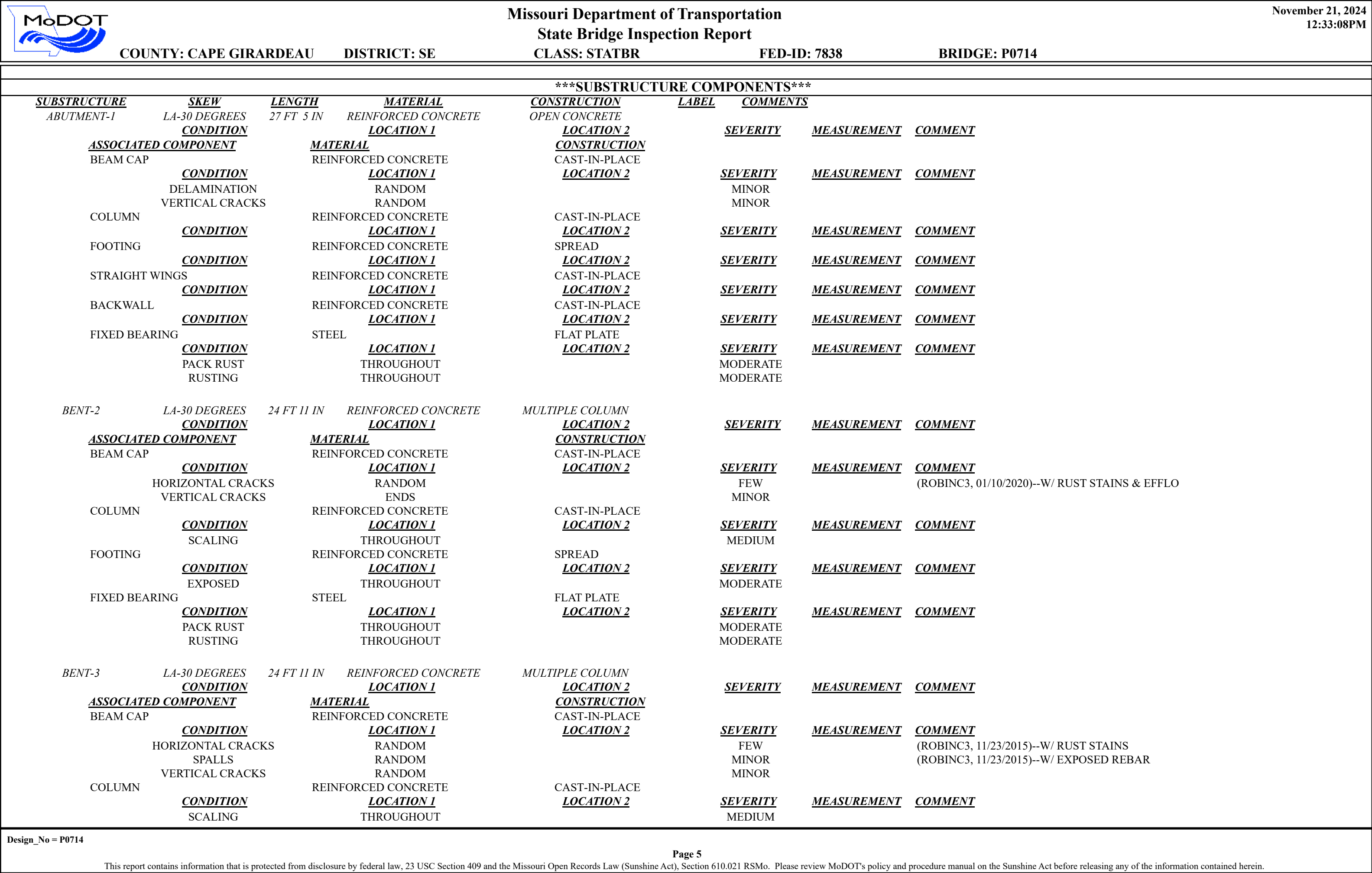
Sheet No. 24 of 2

		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>November 21, 2024</div> <div>12:33:08PM</div>							
COUNTY: CAPE GIRARDEAU		DISTRICT: SE		CLASS: STATBR		FED-ID: 7838		BRIDGE: P0714					
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***						
<div>ROUTE: RTDS</div> <div>FEATURE: CANE CR</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 13.348</div> <div>DETOUR: 24.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1954</div> <div>REHAB:</div> <div>LOCATION: S 229 T 32 R 12 E</div> <div>LATITUDE: 37 24 46.23 (DMS)</div> <div>LONGITUDE: 89 42 5.37 (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: SE</div> <div>MAINTENANCE COUNTY: CAPE GIRARDEAU</div> <div>SUB AREA: 7H24</div>		<div>PLACE CODE: 10234 BYRD</div> <div>LENGTH: 98 FT 0 IN</div> <div>MAXIMUM SPAN: 32 FT 6 IN</div> <div>APPROACH ROADWAY: 20 FT 0 IN</div> <div>CURB TO CURB: 20 FT 0 IN</div> <div>OUT TO OUT: 23 FT 4 IN</div> <div>AADT: 888</div> <div>AADT YEAR: 2023</div> <div>AADT TRUCK: 10.8%</div> <div>FUTURE AADT: 1376</div> <div>FUTURE AADT YEAR: 2043</div>		<div>DATE: 11/16/2023</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: SETH BOLLINGER</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2: ZACHARY LEE</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: 07/30/2024</div> <div>FREQUENCY: 120</div> <div>TEAM LEADER: JERROD JERNIGAN</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**: 122</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								
<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>	<u>FREQUENCY</u>	<u>CATEGORY</u>	<u>NBI</u>	<u>CALCULATED INTERVAL</u>	<u>RESPONSIBILITY</u>	<u>METHOD</u>
02/28/2018	999	QUALITY	NO		BRIDGEDIV								
05/09/2017	999	ASSURANCE											
		DAMAGE POST INCIDENT	NO		DISTRICT								
Design_No = P0714													
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			November 21, 2024	
		State Bridge Inspection Report			12:33:08PM	
COUNTY: CAPE GIRARDEAU		DISTRICT: SE		CLASS: STATBR	FED-ID: 7838	BRIDGE: P0714
STRUCTURE POSTING						
APPROVED CATEGORY: S-7		TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.				
Ton 1: 18		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-7		TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.				
Ton 1: 18		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 09/10/2008)--(32'-32'-32') SMP DECK GDR SPANS						
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (BLALOR1, 11/19/2013)--40% SAT				
RATING : 11/25/2019						
[ITEM 59] SUPER: 5-FAIR CONDITION		COMMENTS: (BLALOR1, 11/19/2013)--SPALLS				
RATING : 12/24/2009		(ROBINC3, 11/25/2019)--DLAMS, CRACKS				
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (BLALOR1, 11/19/2013)--FOOTING EXPOSED				
RATING : 03/05/2018		(ELSEMJ, 03/05/2018)--SPALL AT ABUT 1 W/ 30% LOSS OF BEARING				
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE		COMMENTS: (ELSEMJ, 03/05/2018)--MINOR DAMAGE OVER WIDE AREA				
RATING : 05/18/2001		(CHAPMM1, 11/20/2023)--MODERATE DRIFT IN CHANNEL				
[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: 4-POOR		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 02/05/2004		COMMENTS:		
<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		
REINFORCED CONCRETE	PARAPET	BOTH				
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>	
LONGITUDINAL CRACKS		THROUGHOUT		MINOR		
SPALLS		THROUGHOUT		MODERATE		
VERTICAL CRACKS		THROUGHOUT		MINOR		
[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 = P0714						
Page 2						
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				November 21, 2024	
		State Bridge Inspection Report				12:33:08PM	
COUNTY: CAPE GIRARDEAU		DISTRICT: SE		CLASS: STATBR		FED-ID: 7838	
						BRIDGE: P0714	
[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	
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						GOOD	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		LIQUID SEALANT		BUILT-UP	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
DRAINAGE		REINFORCED CONCRETE		CURB OUTLET			
DRAINAGE		STEEL		PIPING SYSTEM			
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
ABUTMENT-1				CLOSED EXPANSION JOINT		STEEL	
<u>CONSTRUCTION</u>		<u>GAP</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>	
FLAT PLATE							
<u>OVERALL CONDITION</u>							
POOR							
<u>COMMENT:</u>							
		CLOSED EXPANSION JOINT		STEEL		FLAT PLATE	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
SLOPE PROTECTION		ROCK		RIP RAP		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>	
LONGITUDINAL CRACKS		RANDOM				MINOR	
SATURATION		THROUGHOUT				MINOR	
TRANSVERSE CRACKS		THROUGHOUT				FEW	
						20 %	
Design_No = P0714							
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

November 21, 2024
12:33:08PM

COUNTY: CAPE GIRARDEAU

DISTRICT: SE

CLASS: STATBR

FED-ID: 7838

BRIDGE: P0714

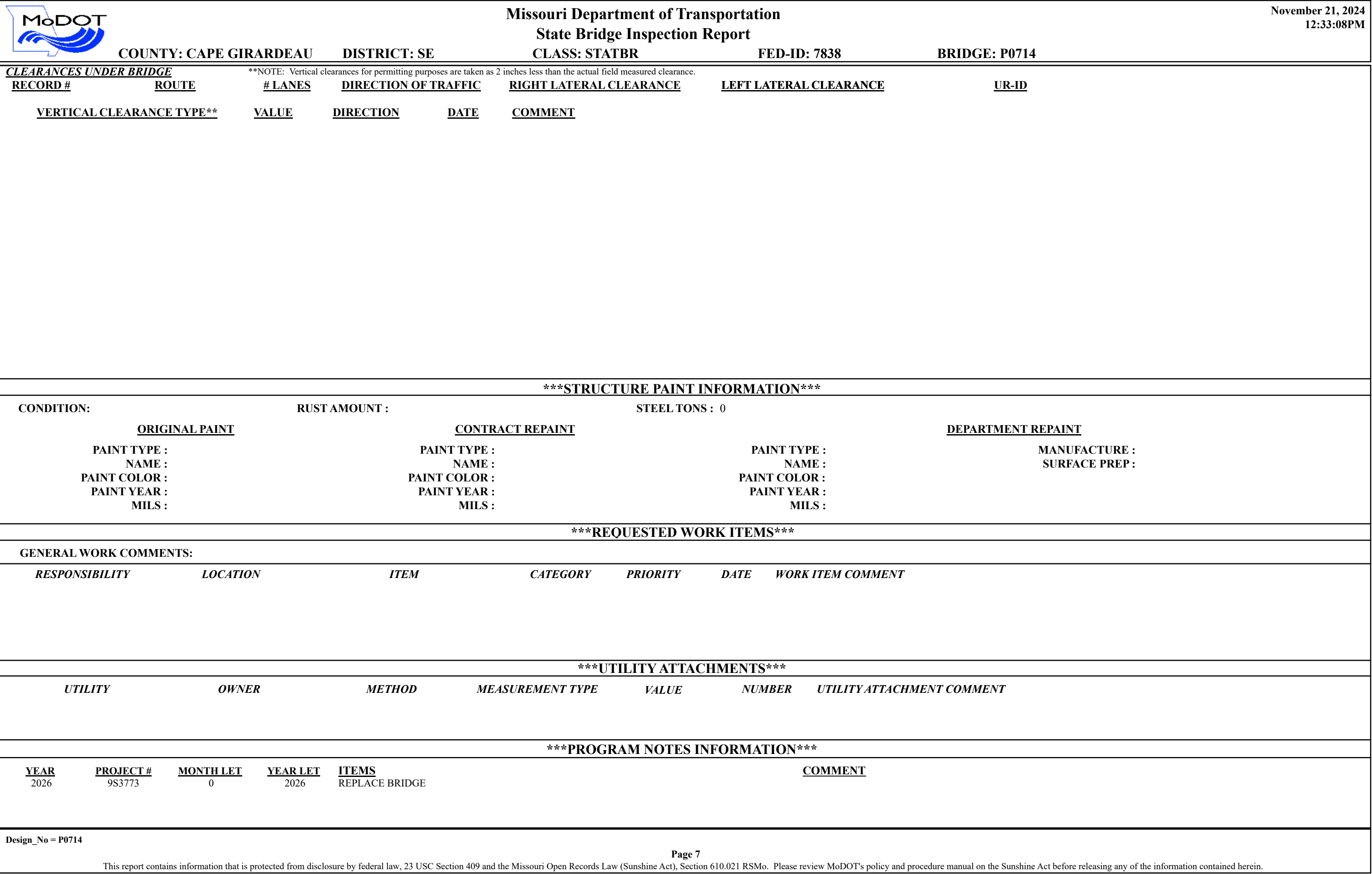
		SPALLS VERTICAL CRACKS	RANDOM RANDOM		MINOR	(ROBINC3, 11/23/2015)--W/ EXPOSED REBAR	
FOOTING		REINFORCED CONCRETE		SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	EXPOSED	THROUGHOUT			MODERATE		
FIXED BEARING		STEEL		FLAT PLATE			
	<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	PACK RUST RUSTING	THROUGHOUT THROUGHOUT			MODERATE MODERATE		(CHAPMM1, 11/20/2023)--W/EFFLO
ABUTMENT-4	LA-30 DEGREES	27 FT 5 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>
	HORIZONTAL CRACKS VERTICAL CRACKS	RANDOM RANDOM			FEW MINOR		
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		SPREAD		
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT WINGS			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>
	BACKWALL		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>
FIXED BEARING			STEEL		FLAT PLATE		
	<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	PACK RUST RUSTING	THROUGHOUT THROUGHOUT			MODERATE MODERATE		


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

CLEARANCES OVER DECK

****NOTE:** Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>
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			Missouri Department of Transportation		November 21, 2024	
			State Bridge Inspection Report		12:33:08PM	
COUNTY: CAPE GIRARDEAU		DISTRICT: SE	CLASS: STATBR	FED-ID: 7838	BRIDGE: P0714	
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.				SIGN #		
				SIGN TYPE		
				PROBLEM		
				PROBLEM DIRECTION		
<u>Rated Item</u>						
<u>Rating</u>						
<u>Rating Date</u>						
[Item 67] Structure Evaluation Rating: 4-MEETS MINIMUM TOLERABLE 3/25/2002						
[Item 68] Deck Geometry Rating: 3-BASICALLY INTOL CORRECT 11/19/2021						
[Item 69] Underclearance: N-NOT APPLICABLE 5/18/2001						
Sufficiency Rating: 35.7% 3/6/2024						
Deficiency: STRUCTURAL 11/26/2019						
Funding Eligibility: ----						
Estimated New Structure Length: ----						
Estimated Structure Cost: ----						
Estimated Total Project Cost: ----						
Year of Cost Estimate: ----						
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.						
				OUTFALL INSPECTION INFORMATION		
				# OUTFALLS: 1		
				INSPECTOR: SETH BOLLINGER		
				STATUS: PASS		
				DATE: 11/16/2023		
				NOTES:		



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

November 21, 2024
12:35:55pm

COUNTY : CAPE GIRARDEAU BRIDGE : P0714 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 8/23/2024 SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	SE	5B	Route Signing Prefix	MO
3	County	CAPE GIRARDEAU	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	7838	5D	Route Number	0000D
27	Year Built	1954	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	RT D S
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	NOT ELIGIBLE FOR NR OF HP	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	BYRD	29	AADT	888
	Code	10234	30	AADT Year	2023
9	Location	S 229 T 32 N R 12 E	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	13.43 miles	109	AADT Truck Percent	11%
16	Latitude	37 D 24 M 46 S	114	Future AADT	1376
17	Longitude	89 D 42 M 5 S	115	Future AADT Year	2043
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	CANE CR	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	24.38 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	20 Ft. 0 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	30.00 Degrees
54B	Vert. Clearance	0 Ft. 0 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	N/A	47	Total Horiz. Clear	20 Ft. 0 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	32 Ft. 6 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	98 Ft. 1 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	20 Ft. 0 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 = P0714 and Inventory_Appraisal_Submittal_Year = 2024



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

November 21, 2024
12:35:55pm

COUNTY : CAPE GIRARDEAU BRIDGE : P0714 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 8/23/2024 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	CONCRETE
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	TEE BEAM
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	3
64	Operating Rating	28 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	17 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	20.0-29.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP
			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
			108B	Membrane Mat/Constr.	1 BUILT UP
			108C	Deck Protect Mat/Constr.	0 NONE
PROPOSED IMPROVEMENT INFORMATION			CONDITION RATING INFORMATION		
	Sufficiency Rating	35.7 Percent	58	Deck Cond. Rating	4
	Deficiency Rating	STRUCTURAL	59	Superstructure Cond. Rating	5
	Funding Eligibility	FULL	60	Substructure Cond. Rating	5
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	61	Channel /Channel Protection Cond. Rating	6
75B	Work Done By	Contract	62	Culvert Cond. Rating	N
76	New Struc Length	127 Ft. 11 In.			
94	Struc Improve Cost	\$ 742,000	INSPECTION INFORMATION		
95	Roadway Improve Cost	\$ 74,000	90	Gen. Insp Date	11 / 23
96	Total Project Cost	\$ 1,113,000	91	Gen. Insp. Frequency	24 Months
97	Year of Cost Estimates	2024	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	4	APPROVED POSTING INFORMATION		
68	Deck Geometry App. Rating	3	FIELD POSTING INFORMATION		
69	Underclearance App. Rating	N	Approved Posting Category	S-7	
71	Waterway Adeq. App. Rating	8		Ton1	Ton2 Ton3
72	Approach Road App. Rating	4	Tonnage Values for Posting Sign	18	
113	Scour Assess App. Rating	8	General Text for Posting Sign		
			TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.	TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.	

Design_No = P0714 and Inventory_Appraisal_Submittal_Year = 2024