

12:33:08PM

### **Missouri Department of Transportation State Bridge Inspection Report**

**COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR** 

**FED-ID: 7838 BRIDGE: P0714** \*\*\*GENERAL STRUCTURE INFORMATION\*\*\* \*\*\*BRIDGE INSPECTION INFORMATION\*\*\* **ROUTE: RTDS** # **SPANS**: 3 PLACE CODE: 10234 BYRD **DATE:** 11/16/2023 **RESPONSIBILITY: DISTRICT** LANES ON: 2 FEATURE: CANE CR LENGTH: 98 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL\*\*: 24** LANES UNDER: 0 **STATUS:** P-POSTLOAD **MAXIMUM SPAN: 32 FT 6 IN** TEAM LEADER: SETH BOLLINGER **ELEMENT: NO LOG MILE: 13.348 COMPASS DIRECTION: WEST to EAST** APPROACH ROADWAY: 20 FT 0 IN **INSPECTOR 2:** ZACHARY LEE **INSPECTOR 4: DETOUR: 24.00 MILES DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 20 FT 0 IN INSPECTOR 3: OUT TO OUT: 23 FT 4 IN** NHS: NO FUNCTIONAL CLASS: RL-MAJOR COLLECTOR \*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1954 **NBI OWNER: MODOT AADT:** 888 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: SE **LOCATION:** S 229 T 32 R 12 E **AADT TRUCK: 10.8% LATITUDE:** 37 24 46.23 (DMS) **MAINTENANCE COUNTY: CAPE GIRARDEAU FUTURE AADT: 1376 LONGITUDE:** 89 42 5.37 (DMS) SUB AREA: 7H24 **FUTURE AADT YEAR: 2043** \*\*\*INDEPTH INSPECTION INFORMATION\*\*\* \*\*\*FRACTURE CRITICAL INSPECTION INFORMATION\*\*\* DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL\*\*: NBI**: **FREQUENCY: CALCULATED INTERVAL\*\*: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** \*\* 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:** 07/30/2024 **CATEGORY:** CHANNEL CROSS SECT **DATE:** 11/16/2023 **CATEGORY: DRY RESPONSIBILITY: DISTRICT RESPONSIBILITY: DISTRICT NBI:** NO NBI: NO FREOUENCY: 120 CALCULATED INTERVAL\*\*: 122 FREOUENCY: 60 CALCULATED INTERVAL\*\*: 24 TEAM LEADER: JERROD JERNIGAN **INSPECTOR 3: METHOD:** WT TAPE **TEAM LEADER: SETH BOLLINGER INSPECTOR 3: METHOD:** VISUAL **INSPECTOR 2: INSPECTOR 4: INSPECTOR 2:** ZACHARY LEE **INSPECTOR 4:** \*\* 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 DATE **FREQUENCY CATEGORY** CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** NO 02/28/2018 QUALITY **BRIDGEDIV** 999 **ASSURANCE** 999 DISTRICT 05/09/2017 DAMAGE POST NO INCIDENT

MoDOT

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November 21, 2024 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  COMMENTS:  FIELD CATEGORY: S-7  TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.  ***STRUCTURE POSTING***  Ton 3:  Ton 3:  Ton 3:  TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.	
Ton 1: 18 Ton 2: Ton 3: COMMENTS:	
FIFT D CATECORY: \$.7 TRUCKS OVER 18 TONS 15 MPH ON BRIDGE	
Ton 1: 18 Ton 2: Ton 3: PROBLEM: PROBLEM DIRECTION: COMMENTS:	
***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 RATING: 03/05/2018  COMMENTS: (BLALOR1, 11/19/2013)FOOTING EXPOSED (ELSEMJ, 03/05/2018)SPALL AT ABUT 1 W/ 30% LOSS OF BEARING	
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE RATING: 05/18/2001  COMMENTS: (ELSEMJ, 03/05/2018)MINOR DAMAGE OVER WIDE AREA (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 RATING: 05/18/2001 COMMENTS:	
***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS***	
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0 RATING: 02/05/2004 COMMENTS:	
MATERIAL REINFORCED CONCRETECONSTRUCTION CURBDIRECTION BOTHCOMMENTSCONDITION SCALINGLOCATION 1 THROUGHOUTLOCATION 2 MODERATESEVERITY MODERATECOMMENT COMMENT	
REINFORCED CONCRETE PARAPET BOTH  CONDITION LOCATION 1 LOCATION 2 LOCATION 2 LOCATION 2 LOCATION 3 LOCATION 3 LOCATION 3 LOCATION 3 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:	

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# 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** [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. **CONSTRUCTION DIRECTION CONDITION\* COMMENTS** ASPHALT **BITUMINOUS MAT BOTH FAIR** \*\*\*DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS\*\*\* **DECK PROTECTIVE COMPONENTS: OVERALL CONDITION** SERIES TYPE-# **COMPONENT MATERIAL CONSTRUCTION THICKNESS** YEAR APPLIED **MANUFACTURE** MAIN SERIES-1 WEARING SURFACE **ASPHALT** BITUMINOUS MAT 1 IN GOOD**COMMENT:** DECK PROTECTION *NOTAPPLICABLE* NONE **COMMENT:** *MEMBRANE* LIQUID SEALANT BUILT-UP **COMMENT: DRAINAGE COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS DRAINAGE** REINFORCED CONCRETE CURB OUTLET **DRAINAGE** STEELPIPING SYSTEM **EXPANSION DEVICE COMPONENTS:** SUB UNIT-# SUB LABEL **COMPONENT MATERIAL CONSTRUCTION GAP** YEAR APPLIED *MANUFACTURE* **OVERALL CONDITION** CLOSED EXPANSION JOINT STEEL ABUTMENT-1 FLAT PLATE POOR**COMMENT:** ABUTMENT-4 CLOSED EXPANSION JOINT STEEL FLAT PLATE POOR**COMMENT: BANK/SLOPE PROTECTION COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS** SLOPE PROTECTION ROCKRIP RAP BOTH\*\*\*DECK COMPONENTS\*\*\* SPAN TYPE-# **CONSTRUCTION COMPONENT MATERIAL COMMENTS** MAIN SPANS-1 CAST-IN-PLACE DECKREINFORCED CONCRETE **CONDITION LOCATION 2 SEVERITY LOCATION 1 MEASUREMENT COMMENT** LONGITUDINAL CRACKS RANDOM MINOR **THROUGHOUT MINOR** 20 % **SATURATION** TRANSVERSE CRACKS THROUGHOUT **FEW** 

MAIN SPANS-2

DECK

### Missouri Department of Transportation State Bridge Inspection Report

CAST-IN-PLACE

November 21, 2024 12:33:08PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7838 BRIDGE: P0714

REINFORCED CONCRETE

**CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT DETERIORATION EDGE MINOR EDGE MINOR** EFFLORESCENCE LONGITUDINAL CRACKS **EDGE MINOR** (ROBINC3, 01/10/2020)--W/RUST SATURATION THROUGHOUT MINOR 20 % **FEW** TRANSVERSE CRACKS THROUGHOUT MAIN SPANS-3 DECKCAST-IN-PLACE REINFORCED CONCRETE **SEVERITY CONDITION** LOCATION 1 LOCATION 2 **MEASUREMENT COMMENT** MAP CRACKS THROUGHOUT MANY SATURATION THROUGHOUT **MINOR** 40 % (CHAPMM1, 11/20/2023)--W/EFFLO TRANSVERSE CRACKS THROUGHOUT MINOR \*\*\*SUPERSTRUCTURE COMPONENTS\*\*\* **COMMENTS** SERIES TYPE-# MATERIAL CONSTRUCTION SPAN TYPE LABEL MAIN SERIES-1 SIMPLE SPAN REINFORCED CONCRETE DECK GIR **COMPOSITE INDICATOR LENGTH WEATHERING STEEL COMMENTS SPAN** MAIN SPANS-1 NON-COMPOSITE 32 FT 6 IN NO **CONDITION** LOCATION 2 **SEVERITY MEASUREMENT COMMENT LOCATION 1 EXTERIOR GIRDERS** MINOR **DELAMINATION EXTERIOR GIRDERS** LONGITUDINAL CRACKS **MINOR** OTHER **DIAPHRAGMS** NOT APPLICABLE (CHAPMM1, 11/20/2023)--H-CRACKS MINOR **SPALLS DIAPHRAGMS MINOR** (ROBINC3, 01/10/2020)--W/EXP REBAR **EXTERIOR GIRDERS MEDIUM** (ROBINC3, 01/10/2020)--W/EXP REBAR **SPALLS FEW VERTICAL CRACKS DIAPHRAGMS** MAIN SPANS-2 NON-COMPOSITE 32 FT 6 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT DELAMINATION DIAPHRAGMS MINOR DELAMINATION EXTERIOR GIRDERS MODERATE MINOR** DIAGONAL CRACKS **INTERIOR GIRDERS** HORIZONTAL CRACKS GIRDER ENCASEMENT **MINOR** LONGITUDINAL CRACKS **EXTERIOR GIRDERS MINOR EXTERIOR GIRDERS MEDIUM** (ROBINC3, 11/23/2015)--W/ EXPOSED REBAR **SPALLS** VERTICAL CRACKS DIAPHRAGMS FEW MAIN SPANS-3 NON-COMPOSITE NO 32 FT 6 IN **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT** MINOR DELAMINATION **DIAPHRAGMS EXTERIOR GIRDERS MODERATE DELAMINATION** DIAGONAL CRACKS **EXTERIOR GIRDERS MINOR** (ROBINC3, 01/10/2020)--EFFLO (ROBINC3, 11/23/2015)--W/ EFFLO LONGITUDINAL CRACKS **EXTERIOR GIRDERS MINOR** MAP CRACKS **THROUGHOUT FEW** (ROBINC3, 01/10/2020)--EXT GRDRS OTHER NOT APPLICABLE (ROBINC3, 01/10/2020)--MINOR HCRACKS W/EFFLO **DIAPHRAGMS SPALLS** MINOR (ROBINC3, 01/10/2020)--W/EXP REBAR DIAPHRAGMS **SPALLS EXTERIOR GIRDERS MEDIUM** (ROBINC3, 01/10/2020)--W/EXP REBAR **VERTICAL CRACKS DIAPHRAGMS FEW** (ROBINC3, 01/10/2020)--W/EFFLO **EXTERIOR GIRDERS MINOR** VERTICAL CRACKS

 $Design_No = P0714$ 

# **Missouri Department of Transportation State Bridge Inspection Report**

COLI	NTY: CAPE GIRA	RDEAU DISTRICT: SE	CLASS: STATBR	FED-ID	. 7838	BRIDGE: P0714
	THE CALE OF A	RDEAU DISTRICT. SE	CLASS, STATER	TED-ID	7.7050	DRIDGE, 1 0/14
			***SHRSTRUCTI	JRE COMPONENTS**	*	
SUBSTRUCTURE	SKEW	LENGTH MATERIAL	CONSTRUCTION	LABEL COMMENTS		
ABUTMENT-1	LA-30 DEGREES	27 FT 5 IN REINFORCED CONCRETE	OPEN CONCRETE		=	
	<b>CONDITION</b>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
<u>ASSOCIATE</u>	ED COMPONENT	<u>MATERIAL</u>	<b>CONSTRUCTION</b>			
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
	DELAMINATION	RANDOM		MINOR		
	VERTICAL CRACKS			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	G 0.117	REINFORCED CONCRETE	SPREAD	~		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT		REINFORCED CONCRETE	CAST-IN-PLACE		145 46455145145	COLUMN
	<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		145 46455145145	COLUMN
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FIXED BEAI		STEEL	FLAT PLATE	CELEBIEN	MEAGUDEMENT	COLUMNIT
	<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		
<i>BENT-2</i> <u>ASSOCIATE</u> BEAM CAP	<u>CONDITION</u> ED COMPONENT	24 FT 11 IN REINFORCED CONCRETE  LOCATION 1  MATERIAL  REINFORCED CONCRETE	MULTIPLE COLUMN  LOCATION 2  CONSTRUCTION  CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HORIZONTAL CRACK			FEW		(ROBINC3, 01/10/2020)W/ RUST STAINS & EFFLO
COLUMBI	VERTICAL CRACKS		CACT DI DI ACE	MINOR		
COLUMN	<u>CONDITION</u>	REINFORCED CONCRETE	CAST-IN-PLACE <i>LOCATION 2</i>	CEVEDITY	MEASUREMENT	COMMENT
	SCALING	<u>LOCATION 1</u> THROUGHOUT	<u>LOCATION 2</u>	<u>severity</u> Medium	MEASUKEMENT	COMMENT
FOOTING	SCALING	REINFORCED CONCRETE	SPREAD	MEDIUM		
rooming	<u>CONDITION</u>	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
	EXPOSED	THROUGHOUT	<u> Localitoiv 2</u>	MODERATE	MENIGOREMENT	COMMENT
FIXED BEAI		STEEL	FLAT PLATE	MODERATE		
THIED DEFI	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
	PACK RUST	THROUGHOUT		MODERATE		
	RUSTING	THROUGHOUT		MODERATE		
BENT-3	LA-30 DEGREES	24 FT 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
	<b>CONDITION</b>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATE</u>	ED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<del></del>		
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
	HORIZONTAL CRACK	XS RANDOM		FEW		(ROBINC3, 11/23/2015)W/ RUST STAINS
	SPALLS	RANDOM		MINOR		(ROBINC3, 11/23/2015)W/ EXPOSED REBAR
	VERTICAL CRACKS			MINOR		
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE	CEVEDITY		COMMENT

MODOT

**SEVERITY** 

**MEDIUM** 

<u>MEASUREMENT</u> <u>COMMENT</u>

**LOCATION 2** 

**LOCATION 1** 

THROUGHOUT

**CONDITION** 

SCALING

MoDOT

## Missouri Department of Transportation State Bridge Inspection Report

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COL	UNTY: CAPE GIRAF	RDEAU DISTRICT: SE	CLASS: STATBR	FED-II	D: 7838	BRIDGE: P0714
	SPALLS	RANDOM		MINOR		(ROBINC3, 11/23/2015)W/ EXPOSED REBAR
	VERTICAL CRACKS	RANDOM		MINOR		
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 BEA		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	THROUGHOUT		MODERATE		(CHAPMM1, 11/20/2023)W/EFFLO
	RUSTING	THROUGHOUT		MODERATE		
ABUTMENT-4	LA-30 DEGREES	27 FT 5 IN REINFORCED CONCRETE	OPEN CONCRETE			
	CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIAT	TED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CA	P	REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
	HORIZONTAL CRACKS	S RANDOM		FEW		
	VERTICAL CRACKS	RANDOM		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		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BACKWAI		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FIXED BE		STEEL	FLAT PLATE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	PACK RUST	THROUGHOUT		MODERATE		
	RUSTING	THROUGHOUT		MODERATE		
			OVED HANDED DOLLTEG OF	E A D ANGE INTEGR	B C A CONTACT OF A	

### \*\*\*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.

VERTICAL CLEARANCE TYPE\*\*

**VALUE** 

**DIRECTION** 

**DATE** 

**COMMENT** 

November 21, 2024 12:33:08PM

Missouri Department of Transportation State Bridge Inspection Report

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7838 BRIDGE: P0714

CLEARANCES UNDER BRIDGE

MODOT

RECORD #

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

# LANES DIRECTION OF TRAFFIC RIGHT LATERAL CLEARANCE

LEFT LATERAL CLEARANCE

UR-ID

DEPARTMENT REPAINT

**MANUFACTURE:** 

**SURFACE PREP:** 

**VERTICAL CLEARANCE TYPE\*\*** 

**ROUTE** 

**VALUE** 

**DIRECTION** 

DATE

**COMMENT** 

\*\*\*STRUCTURE PAINT INFORMATION\*\*\*

CONDITION: RUST AMOUNT: STEEL TONS: 0

ORIGINAL PAINT CONTRACT REPAINT

PAINT TYPE: PAINT TYPE: PAINT TYPE: NAME: NAME: NAME:

PAINT COLOR:
PAINT YEAR:
PAINT YEAR:
PAINT YEAR:
NAME:
NAME:
PAINT COLOR:
PAINT YEAR:
PAINT YEAR:
NAME:
PAINT COLOR:
PAINT YEAR:

MILS: MILS:

\*\*\*REQUESTED WORK ITEMS\*\*\*

**GENERAL WORK COMMENTS:** 

RESPONSIBILITY LOCATION ITEM CATEGORY PRIORITY DATE WORK ITEM COMMENT

\*\*\*UTILITY ATTACHMENTS\*\*\*

UTILITY OWNER METHOD MEASUREMENT TYPE VALUE NUMBER UTILITY ATTACHMENT COMMENT

\*\*\*PROGRAM NOTES INFORMATION\*\*\*

YEAR 2026 PROJECT # MONTH LET 2026 PREPLACE BRIDGE

COMMENT

REPLACE BRIDGE

Design No = P0714

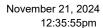


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COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7838 BRIDGE: P0714

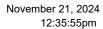
= Counti. Chi	E GIRTROETTO DISTRICT: SE	CLASS, STATER	TED-ID: 7050	DRIDGE, 10714		
***COMP	PUTER GENERATED RATINGS AND D	EFICIENCY ITEMS***		***ADVANCED	SIGN INFORMATION***	
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.		SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION	
Rated Item	Rating	Rating Date	1			
[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:				***OUTFALL INSP	PECTION INFORMATION	***
Estimated New Structure Length:						
Estimated Structure Cost:		<del></del>	# OUTFALLS: 1	IN	SPECTOR: SETH BOLLINGER	
Estimated Total Project Cost:			STATUS: PASS		<b>DATE:</b> 11/16/2023	
Year of Cost Estimate:			NOTES:			
generalized to use NBI items to come up with	estimates are computer generated using algorithims in a new structure length and width to calculate a new st may vary significantly from these numbers once significantly from the significant from	area which is taken times a representative cost per				





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

**COUNTY: CAPE GIRARDEAU** P0714 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 8/23/2024 2024 ROUTE CARRIED 'ON' STRUCT **RECORD TYPE: RUN DATE: SUBMITTAL YEAR:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE CARRIED 'ON' STRUCT State MISSOURI 5A Record Type MO District 5B SE Route Signing Prefix MAINLINE CAPE GIRARDEAU County 5C Designated Level of Service 0000D 7838 8 Federal ID No. 5D Route Number 1954 NOT APPLICABLE 27 5E Year Built Directional Suffix RT D S 106 0 7 Year Reconstructed Facility Carried NO HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 21 Structure Maintenance 13A LRS Inventory Route No. STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN Toll Status ON FREE ROAD Br. Median Code 20 07-RURAL MAJOR COLLECTOR 37 Historical Significance NOT ELIGIBLE FOR NR OF HP 26 Functional Classification NONE EXISTS 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 RTE NOT A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length YES NOT ON NHS 112 National Highway System 104 NOT APPLICABLE 105 Federal Lands Highway 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 888 4 **BYRD** Place 29 AADT 10234 2023 Code 30 AADT Year 2-WAY TRAFFIC S 229 T 32 N R 12 E Location 102 Direction of Traffic 11 Milepoint 13.43 miles 11% 109 AADT Truck Percent 37 D 24 M 46 S 16 Latitude 1376 114 Future AADT 17 Longitude 89 D 42 M 5 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION 6 CANE CR 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B WATERWAY 19 24.38 miles Type of Service Under By pass Detour Length 00 28B Lanes Under Structure 32 Approach Roadway Width 20 Ft. 0 In. N/A 30.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 0 Ft. 0 In. 35 Struct. Flared Rt. Lat Clear Ref. N/A Total Horiz. Clear 20 Ft. 0 In. 55A 47 55B Rt. Lat Clearance 0 Ft. 0 In. 48 Maximum Span Length 32 Ft. 6 In. 98 Ft. 1 In. Left Lat Clearance 0 Ft. 0 In. 49 Structure Length PERMIT NOT REQ Navigation Control 50A 0 Ft. 0 In. Left Curb/Sidewalk Width Nav Vertical Clear 0 Ft. 0 In. 39 50B Right Curb/Sidewalk Width 0 Ft. 0 In. 0 Ft. 0 In. Curb to Curb Br. Width 20 Ft. 0 In. 40 Nav Horizontal Clear 51 23 Ft. 4 In. Nav. Pier Protection 52 Deck Width (Out-Out) 111 99 Ft. 99 In. Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck





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

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

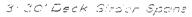
RECORD TYPE: ROUTE CARRIED ON STRUCT	RUN DATE: 0/25/2024 SUBMITTAL TEAR: 2024
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 10 41 Structure Status POSTED FOR LOAD 63 Oper. Rating Meth. LOAD FACTOR 64 Operating Rating 28 Tons. 65 Inventory Rating Meth LOAD FACTOR 66 Inventory Rating 17 Tons. 70 Bridge Posting Code 20.0-29.9% BELOW  PROPOSED IMPROVEMENT INFORMATION	43A Main Struc. Mat type CONCRETE  43B Main struc Constr. Type TEE BEAM  45 # of Main Spans 3  44A Appr Struc. Mat type 000  44B Appr Struc. Cnstr. type 000  46 # of Approach Span 0  107 Deck Mat/Constr. 1 CONCRETE CIP  108A Wear Surf Mat/Constr. 6 BITUMINOUS
Sufficiency Rating 35.7 Percent Deficiency Rating STRUCTURAL	108B   Membrane Mat/Constr.   1 BUILT UP   108C   Deck Protect Mat/Constr.   0 NONE
Funding Eligibility FULL  75A Proposed Work REPLACEMENT SUBSTND LOAD  75B Work Done By Contract  76 New Struc Length 127 Ft. 11 In.  94 Struc Improve Cost \$742,000  95 Roadway Improve Cost \$74,000	CONDITION RATING INFORMATION           58         Deck Cond. Rating         4           59         Superstructure Cond. Rating         5           60         Substructure Cond. Rating         5           61         Channel /Channel Protection Cond. Rating         6           62         Culvert Cond. Rating         N
96 Total Project Cost \$ 1,113,000 97 Year of Cost Estimates 2024	INSPECTION INFORMATION
APPRAISAL RATING INFORMATION  36A Br. Rail App. Rating DOES NOT MEET ACCEPT STND  36B Transition Rail App. Rating DOES NOT MEET ACCEPT STND  36C Approach Rail App. Rating DOES NOT MEET ACCEPT STND  36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND  57 Struc Eval App. Rating 4  68 Deck Geometry App. Rating 3  69 Underclearance App. Rating N  71 Waterway Adeq. App. Rating 8  72 Approach Road App. Rating 4  113 Scour Assess App. Rating 8	90 Gen. Insp Date 11 / 23  91 Gen. Insp. Frequency 24 Months  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  BORDER BRIDGE INFORMATION  98 Neighboring State Code  98B Neighboring State % Respon  99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-7  Ton1 Ton2 Ton3  Tonnage Values for Posting Sign 18  General Text for Posting Sign  TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.	Field Posting Category S-7  Ton1 Ton2 Ton3  Tonnage Values for Posting Sign 18  General Text for Posting Sign  TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.

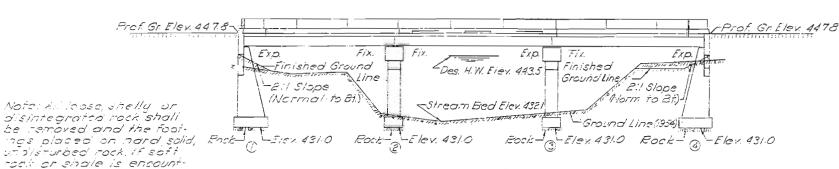
Design\_No = P0714 and Inventory\_Appraisal\_Submittal\_Year = 2024

### MISSOUR! STATE HIGHWAY DEPARTMENT

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 FED. AID PROJ. NO.
 FISCAL PROJ. NO.
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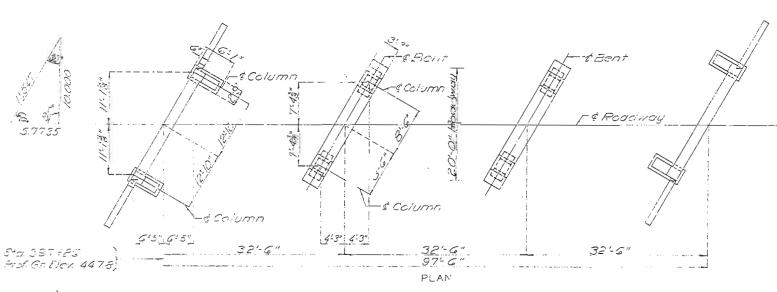
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GENERAL ELEVATION

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:

Proposed Structure

PL Sto. 395 H8.9

Drainage Area:

Drive Data:

Drainage Area:

C.I Sq. Mi. Hilly

This:2'

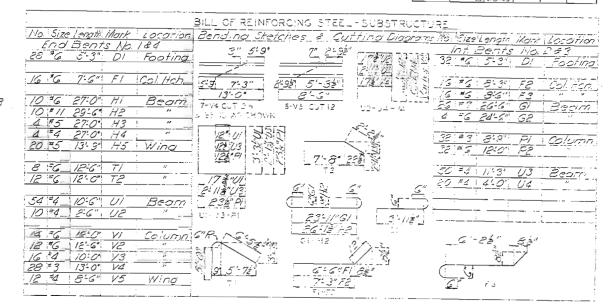
This:

Drawn Cot 1954 by JOM., Checked Oct 1954 by After

ered, the footings should

Le Carred at least 18" Into and cast against vertical faces of same.

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



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

#17 Help			
ESTIMATED QUANTITIES			1
/tem	Substr.	CUBERSIA	Total
Class I Excavation for Structures C	U 163 60	- 1	60
Class 2 Excayation for Structures Co	07ds: 40		40
<u>Class B*Conscete (Handroil)</u> Cu	V. 1031	27	271
Class B'Concrete Except Handrollic	v.16s. 58.8:	830	1620
	23 1 7750		
Structural Steel Bearing Flyice	103	1240	

Note: Excavation for bridge made above fley 4340 will be paid for as Class I Excavation for Structures.

Excavation for bridge made below Elex 4340 will be paid for as Class 2 Excavation for Structures.

GENERAL NOTES:

Design Specifications. A.A.S.E.O. 1953.

Loading: HiU-44.

Reinforcing Steel Stress: 18,000 fire

Class 18" Concrete Stress: 1000 fire

All concrete shall be Class 18".

Where joint filler is specified on the plans it shall conform with the sequirements for Fremoulded Material for Filer as given in Section 38-194(i) in of the Standard Specifications.

BRIDGE OVER CANE CREEK

STATE ROAD FROM RTELSE AT OAK RIDGE S. TO JACKTON

ABOUT 3.6 MILLES N.W. OF JACKSON
PROJECT NO. S-(870) SEC B(SD)STA, 397+26

CAPE GIRARDEAU COUNTY

SUBMITTED ST. J. A. Williams DATE 11/2/1954.

APPROVED ST. JEST. M. White there.

SINISHED

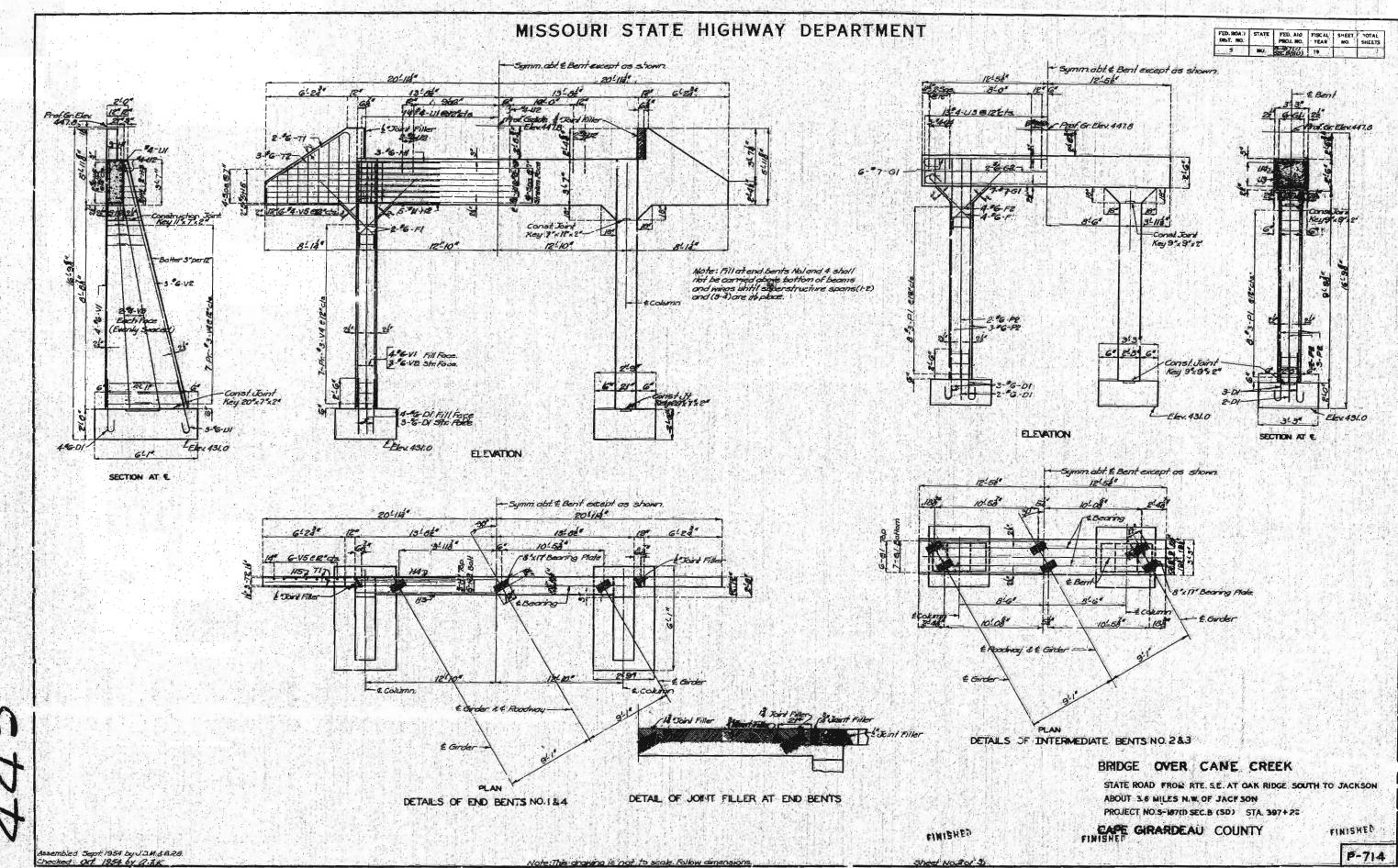
FINISHED DESCRIPTION OF THE PROPERTY OF THE PR

Sheet No. ! of 3

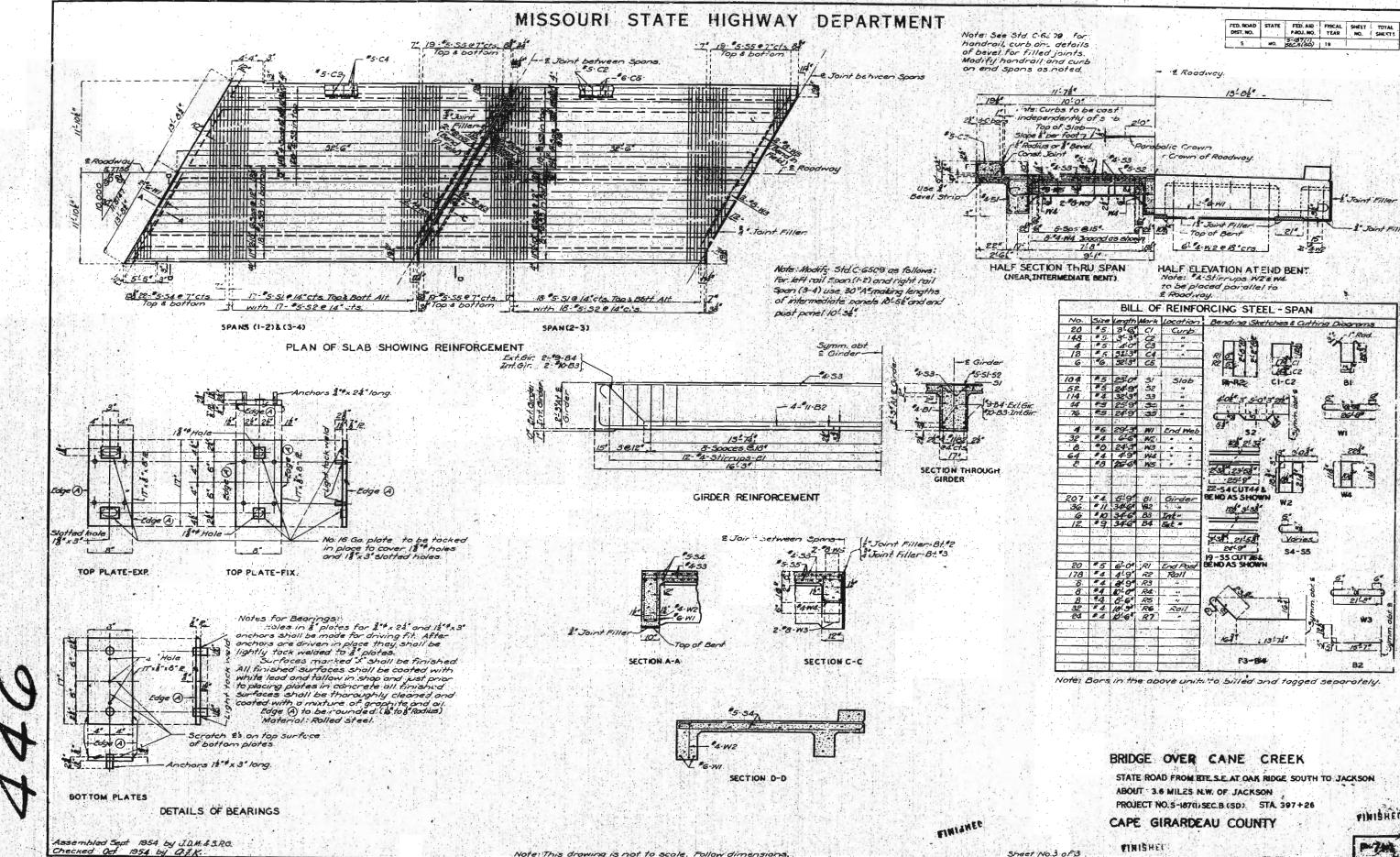
FINISHED

P-714

444



SEE FINAL PLANS BEO WIN-LINES CON Green & Column End Bent & Column End Bent

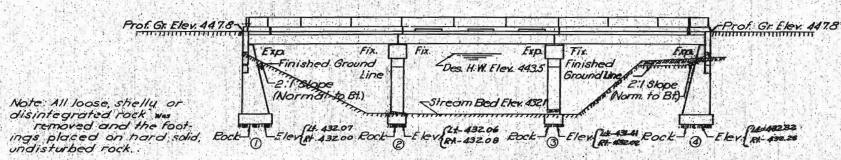


Note: This drawing is not to scale. Follow dimensions

Sheet No.3 of 3

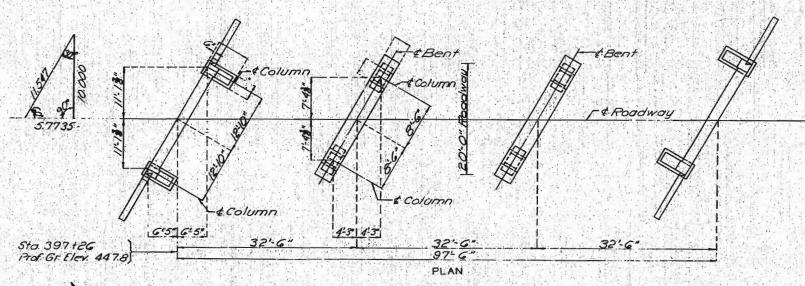


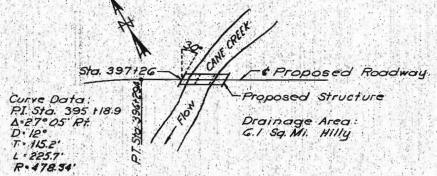
3-30' Deck Girder Spons



GENERAL ELEVATION

Note: Excavation of all existing materials under bridge was 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 was made at unit contract price for Roadway Excavation.





LOCATION SKETCH

Chadral Oct 1954 to att

Note: This drawing is not to scale. Follow dissension

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

/tem	Substr.	Supersti	Total
Closs I Excavation for Structures Cuxes	665	1205	44.9
Class 2 Excavation for Structures. Cuids	25.5	410 35 T	364
lass b concrete (Handrail)	The state of	8./	
Class B'Concrete (Except Handrall Kulds	56A	83.2	150
Reinforcing Steel		24.24	A (1.74 P)
Structural Steel Bearing Plates 1.bs.		1240	
Test Holes to the management of the	36		100

Note: Excavation for bridge made above flev 4340 mms paid for as Class I Excavation for Structures. Excavation for bridge made below Flev 4340 mms paid for as Class 2 Excavation for Structures.

GENERAL NOTES:
Design Specifications: A.A.S.H.O. 1953,
Loading: HIO-44.
Reinforcing Steel Stress: 18,000 4/4.
Class 'B' Concrete Stress: 1.000 4/4.
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 38-1940)h, of the Standard Specifications.

BM #32 Flev. 447.71 11 on 11 Wing So End of Bridge She 397+26

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: 397126

CAPE GIRARDEAU COUNTY

EINISHED - 11/2/1954

FINISHET

P-7/4

State No. 1A of 2

EINISHED

447

448