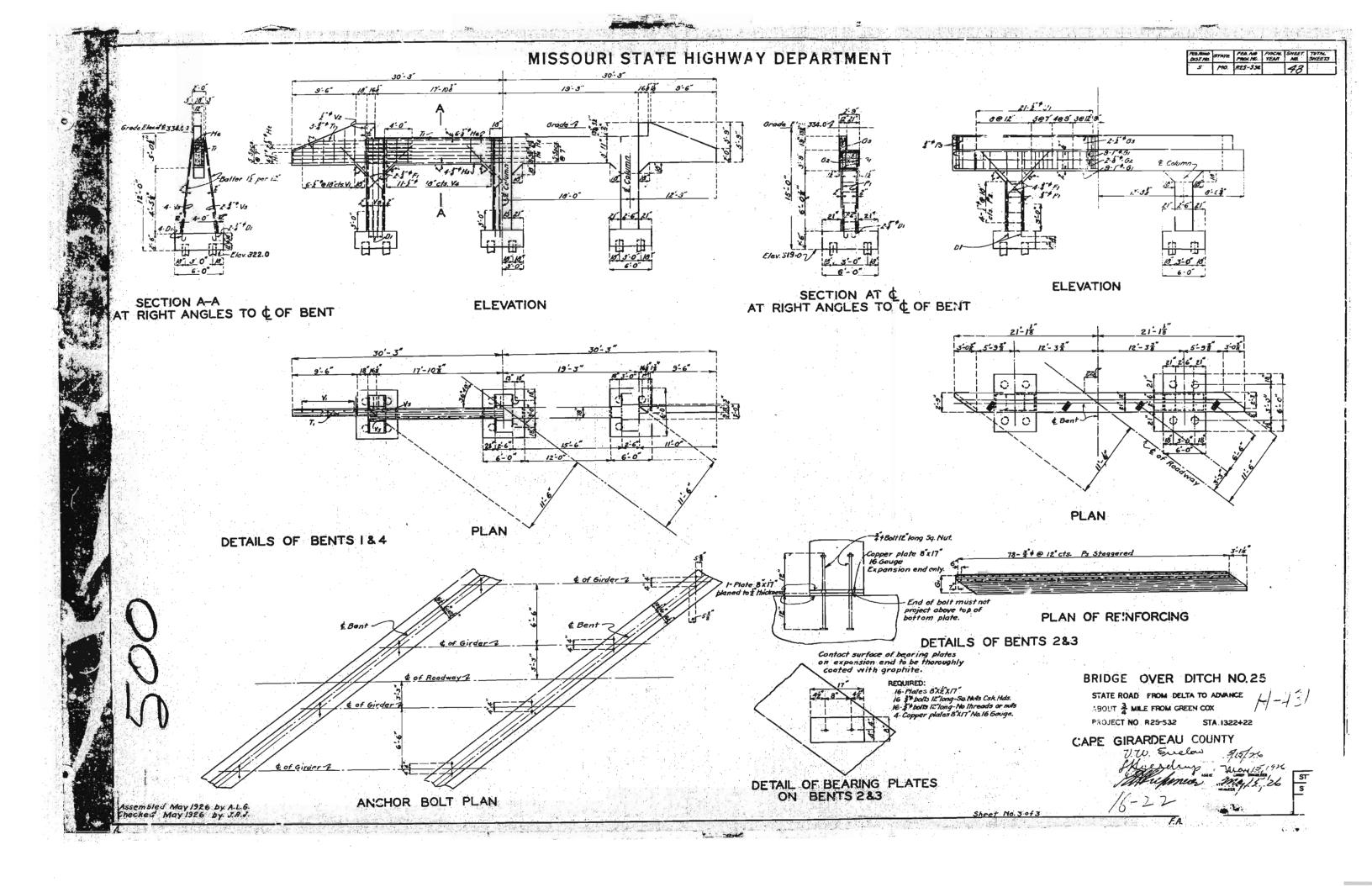
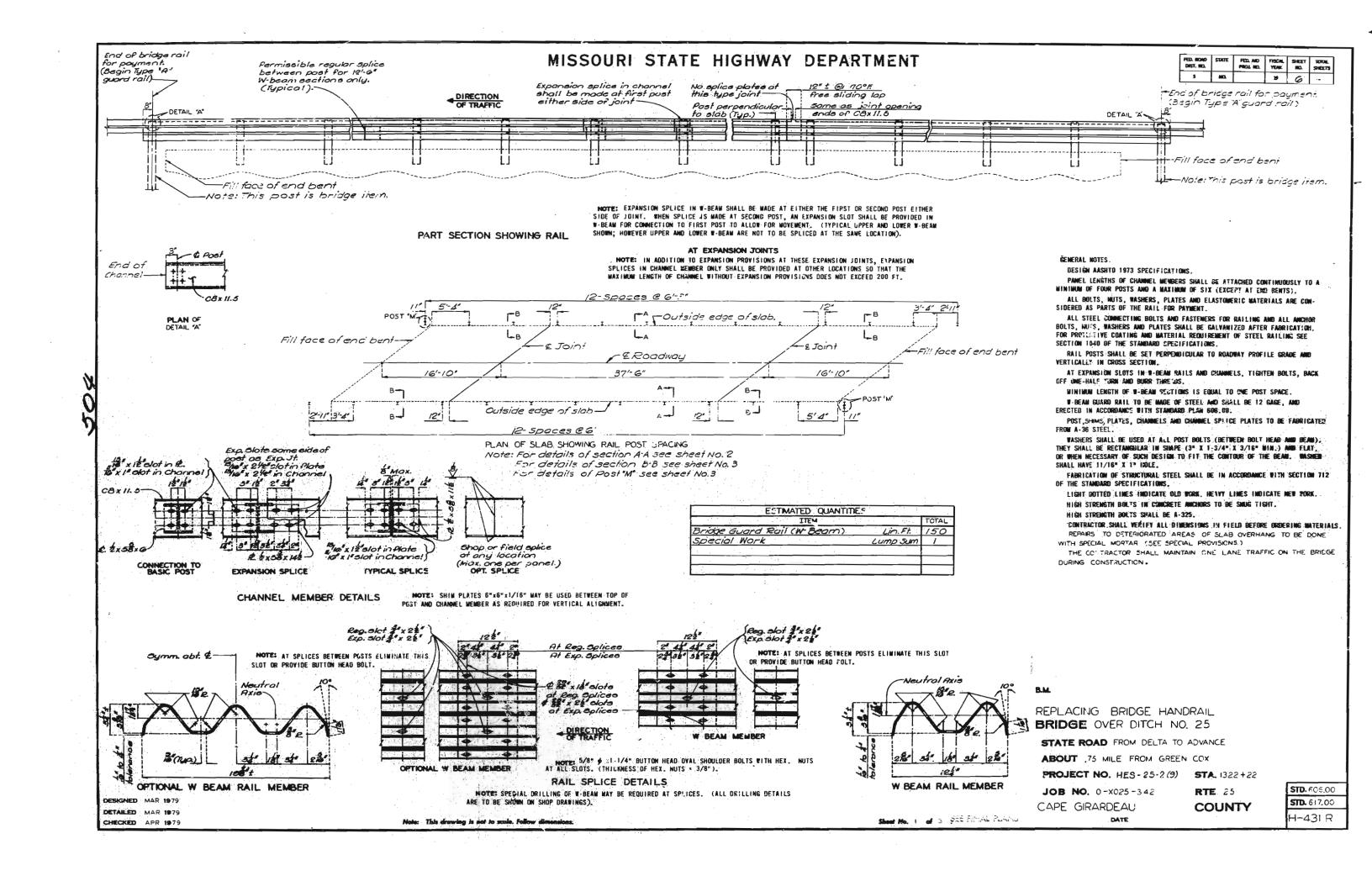
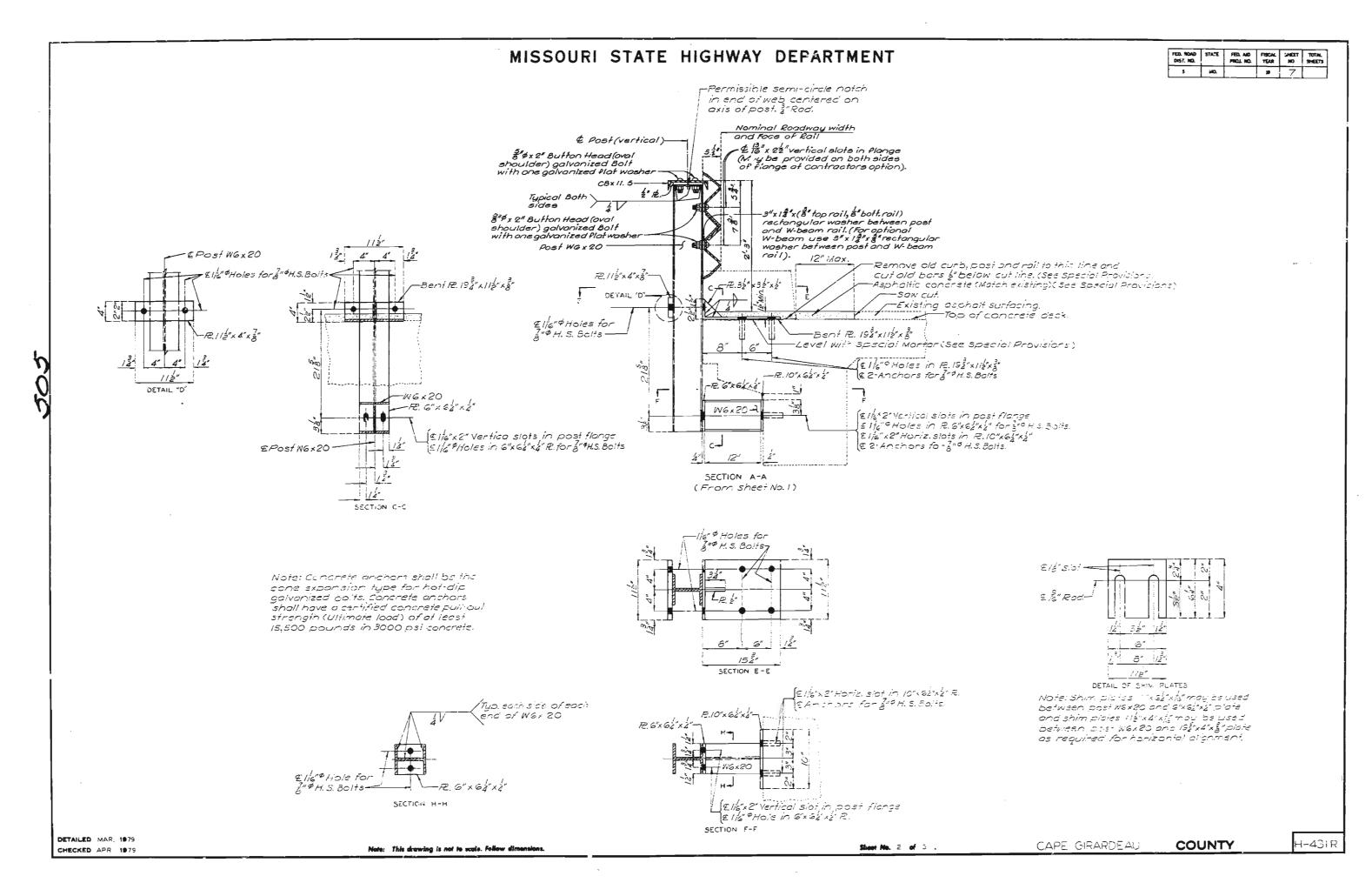
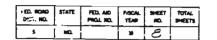
PED AND STATE FED NO FISCAL SHEET TOTAL DISTING STATE PROLING YEAR NO. SHEETS S MA. NESSEL 49 MISSOURI STATE HIGHWAY DEPARTMENT 9 5 6 @ 18 clis. St in top 35-1 09'clis. \$3 Top and bottom 4-118 Alt. witt. 4- 8 + 0 18 cfrs.53 10 2 10 18 ctrs. 59 9 2 to 18 cirs 510 98 & Roadway 5-8 10 18 clts SI in lop 38 35-8" a9 ctrs 58 Top and Bolton All with 4 & all clis.53 PLAN OF SLAB AND DECK GIRDER SHOWING REINFORCING 62 26 62 SKETCHES SHOWING LOCATION 7 Salusters 10 Balusters 10 Salusiers 7 jalusters 7 Saissfers OF END POSTS OF HANDRAIL 2. 2 BR Evenly Spoced 1 4 Gas Pipe It long, plugged end, with \$ 4 Bar Re 2-0" long extending to within 2" of end of plug 2-\$ 4 Rs 3-3-4 Ch 2-2"RO 2-C3-ELEVATION OF HANDRAIL 2-5" + C3 1 3 layers of tar paper 3 Bituminous Fel 20'-0' Roodway 10'-0" Note: - Partition joint at fixed end Curbs to be cast independently of slab is same as expansion joint except. 2 layers of for paper instead DETAILS OF EXPANSION JOINT of \$ bituminous felt. Curbs to be cast Const. Joint -to Bars (Dowels) between # + Bars (Dowels) be sen BRIDGE OVER DITCH NO.25 Crown of Roadwa Notch to extend from curb to curb 4" 0-B5 A WALL FORM COST CON grans C3 | Zat each end of pullets . R25-S32 STA1322+22 CAPE GIRARDEAU COUNTY DETAILS OF NOTCH FOR APPROACH SLAB MANTER A J. W. Saralow Tray 15 1926 SECTION PARALLEL TO & OF ROADWAY Manua Mars HALF SECTION THRU SLAB STD.C5314 AT RIGHT ANGLES TO & OF ROADWAY STD.C6335 HALF SECTION THRU DECK GIRDER AT RIGHT ANGLES TO C OF ROADWAY H431 Assembled May 1926 by A.L.G. Checked May 1926 by J.A.J.

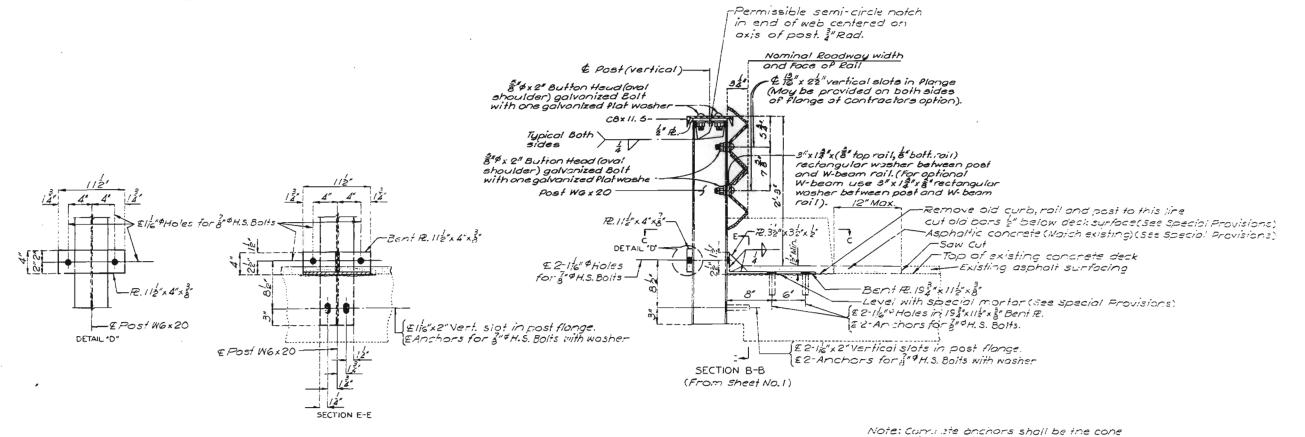






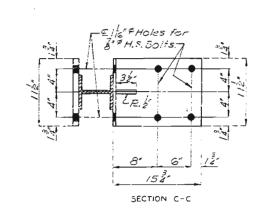
MISSOURI STATE HIGHWAY DEPARTMENT

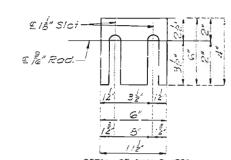




Fill-s

DETAIL OF POST 'M'
(From Sheet No. 1)





DETAIL OF SHIM PLATES

Note: Shim plates 6"x6"x16" may be used between post W6x20 and old concrete and shim plates 1"b"x4"x16" may be used between post W6x20 and 19\$"x115"x8" bent plate as required for horizontal alignment.

DETAILED MAR 1979

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

Sheet No. 3 of 3 .

expansion type for hot dip galvanized bolts. Concrete anchors shall have a certified concrete pull out strength

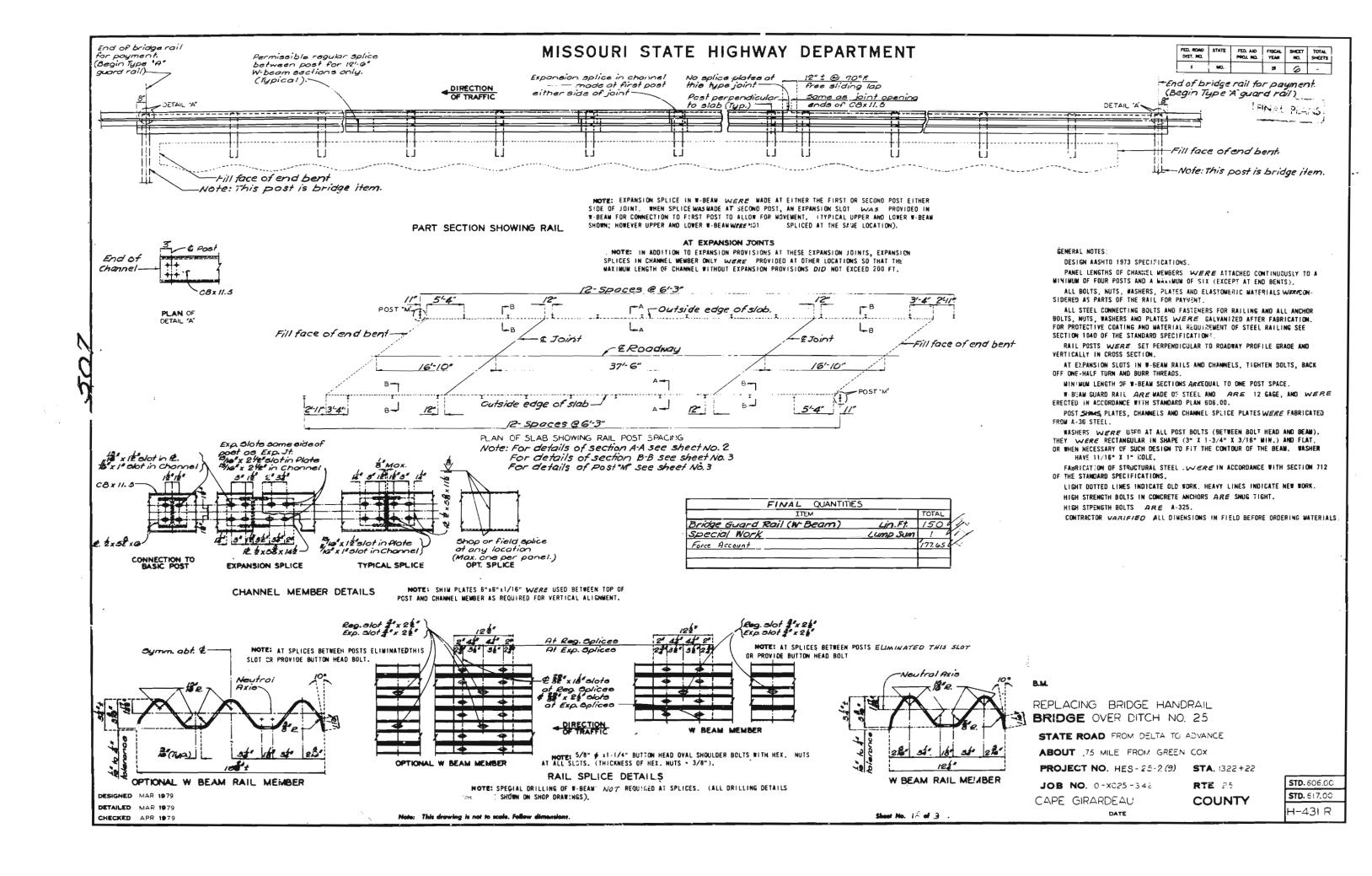
in 3,000 psi concrete.

(Ultimote lood) of of least 15,500 pounds

CAPE GIRARDEAU

COUNTY

H-431R



CONTRACTOR OF THE PARTY JOB NO. JOPO 739

GENERAL NOTES:

DLE WORK:

Outline of old work is indicated by light dashed lines. Meany

MAINTAIN TRAFFIC

Maintain one lane of traffic on structure during construction.
(See Roadway Plans) ROADWAY SURFACING:

Roodway Surfacing adjacent to bridge ends to mitch bridge ower

In order to maintain grade and a minimum thickness of overlay ear shown on plans it may be necessary to use additional quantities or everlay at various locations throughout the structure. No payment will be altowed for additional labor: materials or equipment to variations in thickness of everlay.

FINAL QUANTITIES	Carried Contract
上京的工程。即以中国中国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国	THE
ASPHALT REMOVAL (BRIDGES) SQ. FT.	1637
ALTERNATE ASPHALTIC CONC. WEARING SURFACE (CRIDGE) SO FT	182
POLYMER MODIFIED ASPHALT (SEAL COAT) GALLON	70
COVER AGGREGATE	te 3
SUBSTRUCTURE REPAIR (UNFORMED)	25
SLAB EDGE REPAIR (SRIDGES)	
REPAIRING CONCRETE DECK (HALF-SOLING)	0
FULL DEPTH REPAIR SQ. FT.	0
SUPERSTRUCTURE REPAIR (UNFORMED) SQ. 17.	10
	200 100 100
	70
	- 1
	11111111111

Note: Polymer Modified Asphalt shall be applied at a rate of 0.35 gal. per sq. yd. (See Special Provisions)

Cover Aggregate shall be applied at a rate of 0.0125 tons per sq. yd. (See Special Provisions)

FINAL QUANTITIES FOR ALTER WEARING S	MATE ASP SUFFACE	HALTIC (CHCRETE
TYPE OF WEARING SURFACE	ASPHALTIC CEMENT (TONS;	MUNERAL AGGREGATE (TONS)	MIX USED
Limestone Porphysy (LP) Aspholic Concrete Mix	1.0	19	
Limestone Steel Slog (LS) Asphaltic Concrete bix	1,1	121 75	
Type A Asphaltic Concrete Wix	1.0	19	

MHTD construction personnel shall complete column labeled "Mix Used" [/] Type AC-20 asphalt coment is required in the asphaltic concrete mixes for bridge deck overlays when the idjecent roadways are not to be overlaid.

BRIDGE OVER DITCH NO. 25

STATE ROAD FROM DELTA TO ADVANCE ABOUT 1.1 MILE S. W. OF GREEK COX

PROJECT NC.

STA. 1322422 (MATON EXIST.) RTE. 25

JOB NO. JOP0739 CAPE G!RARDEAU

COUNTY

DATE 1/22/96

- t Existing Joint Filler Saw cut 1" deep and fill with liquid joint sealant in accordance with Sec. 1057.1.3. Top of Existing Seal Coat (See Special Provisions) Existing joint filler. SECTION THRU JOINT Edge Repair -Slab Edge Repair (See Special Provisions)

Limits of Clob Edge Repair

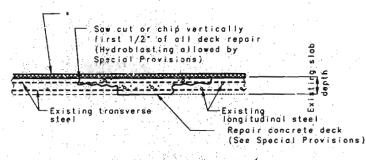
-Holf-Soled Areo

-Full Depth Repair in Half-Soled Area

HALF SECTION SPANS (2-3)

- Apply Penetration Seal
Coat of Pulymer Modified
Asphalt & cover aggregate
plus 2" Type "A" "LP" or
"LS" Asphalt Concrete
Wearing Surface.

-Superstructure Repair (Unformed) (See Special Provisions) CONCRETE EDGE PEPAIR



FULL DEPTH REPAIR IN HALF-SOLED AREA (SPAN 2-3) Substructure Repair (Unformed)

PART ELEVATION OF IMT. BENT SHOWING SUBSTRUCTURE REPAIR

Slab Edge Repair

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS

SHEET NO. 1 OF 1

- man to the parties of the state of the said

Saw cut or chip vertically first 1/2 of all deck repair (Hydroblasting allowed by Special Provisions) Existing longitudinal steel— Repair concrete deck (See Special Provisions) -Existing transverse FULL DEPTH REPAIR (SPAN: 2-3)

Existing transverse

steel

- E Readway

2'-0" Temporary Traf.ic

-Contro! Device (FDWY: ITEM)

rull Depth Repair

SECTION THRU SLAB

Half-Soled Area

Remove existing Asphalt Concrete.

HALF SECTION SPANS (1-2) (3-4)

* 2" Type "A" "LP" or "LS" Asphalt Concrete Waa ing Surface.

Saw sul crichip vertically

(Hydroblasting allowed by Special Provisions)

Existing longitudinal steel

HALF-SOLED AREA

(ALL SPANS)

first 1/2" of all deck repair



Missouri Department of Transportation State Bridge Inspection Report

November 21, 2024 12:30:53PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 5203 BRIDGE: H0431

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: MO25S** # **SPANS**: 3 PLACE CODE: 78280 WELCH **DATE:** 11/09/2023 **RESPONSIBILITY: DISTRICT** LANES ON: 2 FEATURE: DRAIN DTCH NO 25 LENGTH: 71 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24** LANES UNDER: 0 STATUS: A-OPEN **MAXIMUM SPAN: 36 FT 3 IN TEAM LEADER: ZACHARY LEE ELEMENT: NO LOG MILE: 23.819 COMPASS DIRECTION: NORTH to SOUTH** APPROACH ROADWAY: 20 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR: 22.00 MILES DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 22 FT 6 IN INSPECTOR 3: OUT TO OUT: 23 FT 0 IN** NHS: NO **FUNCTIONAL CLASS: RL-MINOR ARTERIAL** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **AADT:** 4191 **BUILT:** 1926 **NBI OWNER: MODOT GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: SE LOCATION: S 32 T 29 R 11 E **AADT TRUCK:** 7.0% **LATITUDE:** 37 7 55.44 (DMS) **MAINTENANCE COUNTY: CAPE GIRARDEAU FUTURE AADT: 6915 LONGITUDE:** 89 51 17.95 (DMS) SUB AREA: 7H01 **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*** **CATEGORY:** CHANNEL CROSS SECT **DATE:** 11/09/2023 **CATEGORY: DRY DATE:** 08/06/2024 RESPONSIBILITY: DISTRICT **RESPONSIBILITY: DISTRICT NBI:** NO FREOUENCY: 60 NBI: NO FREOUENCY: 120 CALCULATED INTERVAL**: 123 CALCULATED INTERVAL**: 24 **TEAM LEADER: ZACHARY LEE** TEAM LEADER: JERROD JERNIGAN **INSPECTOR 3: METHOD:** WT TAPE **INSPECTOR 3: METHOD:** VISUAL **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. 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 05/15/2017 DAMAGE POST DISTRICT INCIDENT

Missouri Department of Transportation State Bridge Inspection Report

November 21, 2024 12:30:53PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 5203 BRIDGE: H0431 ***STRUCTURE POSTING*** **APPROVED CATEGORY: S-1** NO POSTING REQUIRED **Ton 1: Ton 2: Ton 3: COMMENTS:** FIELD CATEGORY: S-1 NO POSTING REQUIRED **PROBLEM: Ton 1: Ton 2: Ton 3:** PROBLEM DIRECTION: **COMMENTS:** ***GENERAL COMMENTS/MAJOR RATED ITEMS*** GENERAL COMMENTS: (BOWDEJ1, 09/10/2008)--(17') CONC SOLID SLAB - (36') SMP DECK GDR - (17') CONC SOLID SLAB SPANS [ITEM 58] DECK: 4-POOR CONDITION **COMMENTS:** (ROBINC3, 11/15/2019)--SEVERE DAMAGE OF CONCRETE (ROBINC3, 11/15/2019)--SEVERE EDGE DETER **RATING:** 11/15/2019 [ITEM 59] SUPER: 4-POOR CONDITION COMMENTS: (BLALOR1, 11/19/2013)--SEC LOS REBAR NO EFFECT STRUCTURAL CAPACITY (ROBINC3, 11/15/2019)--DECK CONTROLS **RATING:** 11/15/2019 [ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (BLALOR1, 11/19/2013)--SPALLS (CHAPMM1, 11/14/2023)--MODERATE EDGE DETERIORATION **RATING:** 11/14/2023 [ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE COMMENTS: (CHAPMM1, 11/14/2023)--CHANNEL MEANDERING & DEEPENING **RATING:** 11/14/2023 [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: 8-VERYGOOD **COMMENTS: RATING:** 05/18/2001 ***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS*** [ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 01/10/2006 **COMMENTS: MATERIAL CONSTRUCTION DIRECTION COMMENTS GALVANIZED STEEL** THRIE BEAM **BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT** (SHUNAT1, 04/04/2018)--MINOR COLLISION DAMAGE NE SIDE OF BRIDGE **OTHER RANDOM** NOT APPLICABLE [ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS:** MATERIAL **CONSTRUCTION DIRECTION COMMENTS** GALVANIZED STEEL THRIE BEAM TO W-BEAM ALL [ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS: DIRECTION COMMENTS MATERIAL CONSTRUCTION** GALVANIZED STEEL W-BEAM ALL [ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS:**

Design_No = H0431

MODOT

BREKAWAY SYSTEM

Missouri Department of Transportation State Bridge Inspection Report

November 21, 2024

12:30:53PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 5203 BRIDGE: H0431 DIRECTION COMMENTS MATERIAL CONSTRUCTION GALVANIZED STEEL

ALL

APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.

MATERIAL CONDITION* CONSTRUCTION DIRECTION COMMENTS

ASPHALT	BITUMINOUS MA	-	GOOD GOOD	<u>IMENTS</u>				
		DRAINAGE, EXPANS	ION DEVICES, BANK/SLO	PE, AND DECK PR	ROTECTIVE CO	OMPONENTS		
DECK PROTECTIVE COMPO SERIES TYPE-# APPROACH SERIES-1 COMMENT:	<u>ONENTS:</u> <u>COMPONENT</u> WEARING SURFACE	<u>MATERIAL</u> ASPHALT	<u>CONSTRUCTION</u> BITUMINOUS MAT	THICKNESS 1.5 IN	YEAR APPLIED 2011	<u>MANUFACTURE</u>	<u>OVERALL CONDITION</u> GOOD	
<u>COMMENT:</u>	DECK PROTECTION	NOTAPPLICABLE	NONE					
<u>COMMENT:</u>	MEMBRANE	LIQUID SEALANT	BUILT-UP					
SE COMMENT:	ECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2011	PAVON INDECK		
MAIN SERIES-2 <u>COMMENT:</u>	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	1.5 IN	2011		GOOD	
<u>COMMENT:</u>	DECK PROTECTION	NOTAPPLICABLE	NONE					
<u>COMMENT:</u>	MEMBRANE	LIQUID SEALANT	BUILT-UP					
COMMENT:	ECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2011	PAVON INDECK		
APPROACH SERIES-3 <u>COMMENT:</u>	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	1.5 IN	2011		GOOD	
<u>COMMENT:</u>	DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2011	PAVON INDECK		
DRAINAGE COMPONENTS:	<u>COMPONENT</u> DRAINAGE	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CURB OUTLET	<u>DIRECTION</u>	<u>COMMENTS</u>			

Design_No = H0431

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Missouri Department of Transportation State Bridge Inspection Report

COUNTY: CAPE GIRARDEAU DISTRICT: SE

CLASS: STATBR FED-ID: 5203

BRIDGE: H0431

MANUFACTURE

(ROBINC3, 12/12/2019)--NW CONER @ GUARDRAIL CONNECTION

EXPANSION DEVICE COMPONENTS:

MoDOT

ABUTMENT-1

SUB UNIT-# SUB LABEL

COMPONENT CLOSED EXPANSION JOINT **MATERIAL** FELT

CONSTRUCTION FILLED JOINT

GAP YEAR APPLIED

OVERALL CONDITION

COMMENT:

ABUTMENT-4 CLOSED EXPANSION JOINT FELT

FILLED JOINT

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENT

MATERIAL CONSTRUCTION **DIRECTION COMMENTS**

DECK	COMP	ONENTS
---------	------	-----------

SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS** APPROACH SPANS-1 DECK REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT SEVERE DETERIORATION EDGE MEDIUM EFFLORESCENCE** THROUGHOUT THROUGHOUT **MODERATE** LEACHING (SHUNAT1, 04/04/2018)--W/ EFF & RUST STAINS LONGITUDINAL CRACKS **THROUGHOUT MINOR MINOR** REBAR EXPOSED **EDGE** TRANSVERSE CRACKS THROUGHOUT **MINOR**

CAST-IN-PLACE MAIN SPANS-2 DECKREINFORCED CONCRETE

> **CONDITION LOCATION 1** LOCATION 2 SEVERITY **MEASUREMENT COMMENT** THROUGHOUT DELAMINATION **MINOR**

EDGE SEVERE DETERIORATION DIAGONAL CRACKS **THROUGHOUT** MINOR **EFFLORESCENCE** THROUGHOUT **MEDIUM** LONGITUDINAL CRACKS THROUGHOUT **MINOR** TRANSVERSE CRACKS THROUGHOUT MINOR

DECK APPROACH SPANS-3 REINFORCED CONCRETE CAST-IN-PLACE

> LOCATION 2 **CONDITION** LOCATION 1 **SEVERITY MEASUREMENT COMMENT**

RANDOM SEVERE **COLLISION DAMAGE DETERIORATION EDGE SEVERE THROUGHOUT MEDIUM EFFLORESCENCE LEACHING** THROUGHOUT MINOR LONGITUDINAL CRACKS THROUGHOUT **MODERATE MINOR** TRANSVERSE CRACKS THROUGHOUT

SUPERSTRUCTURE COMPONENTS

SERIES TYPE-# SPAN TYPE MATERIAL CONSTRUCTION LABEL **COMMENTS**

APPROACH SERIES-1 SIMPLE SPAN REINFORCED CONCRETE SOLID SLAB **WEATHERING STEEL COMMENTS SPAN COMPOSITE INDICATOR LENGTH**

APPROACH SPANS-1 17 FT 6 IN NON-COMPOSITE NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

Design No = H0431

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Missouri Department of Transportation State Bridge Inspection Report

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 5203 BRIDGE: H0431

MAIN SERIES-2 SIMPLE SPAN REINFORCED CONCRETE DECK GIR **LENGTH**

MAIN SPANS-2 NON-COMPOSITE 36 FT 3 IN NO

COMPOSITE INDICATOR

SEVERITY COMMENT CONDITION LOCATION 1 LOCATION 2 **MEASUREMENT**

WEATHERING STEEL

DELAMINATION THROUGHOUT MINOR **OTHER** DIAPHRAGMS NOT APPLICABLE (ROBINC3, 12/12/2019)--MINOR H CRACK

COMMENTS

REBAR EXPOSED **EXTERIOR GIRDERS MODERATE** SECTION LOSS THROUGHOUT INITIAL (BLALOR1, 11/27/2013)--W/ REBAR

SPALLS EXTERIOR GIRDERS MODERATE TRANSVERSE CRACKS DIAPHRAGMS MINOR

APPROACH SERIES-3 SIMPLE SPAN REINFORCED CONCRETE SOLID SLAB

COMPOSITE INDICATOR LENGTH WEATHERING STEEL COMMENTS <u>SPAN</u> APPROACH SPANS-3 17 FT 6 IN NON-COMPOSITE NO

CONDITION LOCATION 1 LOCATION 2 SEVERITY COMMENT MEASUREMENT

				***SHRSTRHCTI	URE COMPONENTS*	**	
SUBSTRUCTURE	SKEW	LENGTH	MATERIAL	CONSTRUCTION	LABEL COMMENT		
ABUTMENT-1	LA-53 DEGREES	37 FT 2 IN	REINFORCED CONCRETE	OPEN CONCRETE	<u> COMMENTAL</u>	<u></u>	
115 0 11/151/1 1	CONDITION	0,11 211	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATE	TD COMPONENT	MATI	ERIAL	CONSTRUCTION			
BEAM CAP			FORCED CONCRETE	CAST-IN-PLACE			
	CONDITION		<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
	DELAMINATION		RANDOM		MINOR		
	HORIZONTAL CRAC	KS	RANDOM		MINOR		
	MAP CRACKS		RANDOM		FEW		
COLUMN		REIN	IFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT		REIN	FORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTBLE	MAP CRACKS	DED	THROUGHOUT	TH (DED DI E	MINOR		(CHAPMM1, 11/14/2023)W/EFFLO
FOOTING	CONDITION	REIN	FORCED CONCRETE	TIMBER PILE	CELEDITY	ME ACUDEMENT	COMMENT
EVDANCION	<u>CONDITION</u>	TADI	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION	N BEARING <i>CONDITION</i>	IAKI	PAPER <i>Location 1</i>	SLIDING LAYERS <i>LOCATION 2</i>	SEVERITY	MEASUREMENT	COMMENT
	CONDITION		<u>LOCATION I</u>	<u>LOCATION 2</u>	<u>SEVERIII</u>	MEASUREMENT	COMMENT
DENTE A	I / CA DECREES	47 ET 1 D1	DEDVEORGED GOVERNEE				
BENT-2	LA-53 DEGREES CONDITION	36 FT 1 IN	REINFORCED CONCRETE LOCATION 1	MULTIPLE COLUMN LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
ASSOCIATE	TD COMPONENT	MAT	<u>LOCATION I</u> ERIAL	CONSTRUCTION	<u>SEVERIII</u>	MEASUREMENT	COMMENT
BEAM CAP			IFORCED CONCRETE	CAST-IN-PLACE			
DLAW CAI	CONDITION	KLIIV	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
	DELAMINATION		RANDOM	<u> </u>	MEDIUM	THE ISOTEDIAL TO	<u>COMM22.11</u>
	DETERIORATION		ENDS		MODERATE		
	HORIZONTAL CRAC		THROUGHOUT		MEDIUM		
	MAP CRACKS		ENDS		FEW		(ROBINC3, 11/24/2015)W/ EFFLO
	REBAR EXPOSED		RANDOM		MANY		(ROBINC3, 12/12/2019)INITIAL SECTION LOSS
	SPALLS		RANDOM		MODERATE		
	VERTICAL CRACK		THROUGHOUT		MINOR		(SHUNAT1, 04/04/2018)W/ EFF & RUST STAINS
COLUMN	gal	REIN	FORCED CONCRETE	CAST-IN-PLACE	a	160 (61)	COLOUTENT
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	SCALING		THROUGHOUT		HEAVY		

MODOT

<u>SPAN</u>

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Missouri Department of Transportation State Bridge Inspection Report

COUNTY: CAPE GIRARDE	EAU DISTRICT: SE	CLASS: STATBR	FED-II	D: 5203	BRIDGE: H0431
FOOTING	REINFORCED CONCRETE	TIMBER PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
FIXED BEARING	STEEL	FLAT PLATE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
SECTION LOSS	THROUGHOUT		MODERATE		
EXPANSION BEARING	TARPAPER	SLIDING LAYERS			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
· · · · · · · · · · · · · · · · · · ·					
BENT-3 LA-53 DEGREES 36 F	T 1 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT	<u> </u>	MINOR	WENG CREWEN	COMMENT
EFFLORESCENCE	THROUGHOUT		MINOR		
HORIZONTAL CRACKS	THROUGHOUT		MINOR		
MAP CRACKS	RANDOM		RANDOM		
REBAR EXPOSED	RANDOM		FEW		(ROBINC3, 12/12/2019)W/INITIAL SECTION LOSS
SPALLS	RANDOM		MINOR		
VERTICAL CRACKS	THROUGHOUT		MINOR		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
SCALING	THROUGHOUT		MODERATE		
FOOTING	REINFORCED CONCRETE	TIMBER PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
FIXED BEARING	STEEL	FLAT PLATE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	SEVERITY	MEASUREMENT	<u>COMMENT</u>
SECTION LOSS	AT BEARING		MODERATE		
EXPANSION BEARING	TARPAPER	SLIDING LAYERS			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
ABUTMENT-4 LA-53 DEGREES 37 F	T 2 IN REINFORCED CONCRETE	OPEN CONCRETE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION	<u>SE, ERIT</u>	WENG CREWENT	COMMENT
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT	<u> </u>	MINOR	WENG CREWENT	COMMENT
HORIZONTAL CRACKS	THROUGHOUT		FEW		
SPALLS	RANDOM		MINOR		(ROBINC3, 12/12/2019)W/ EXPOSED REBAR & INITIAL SECTION LOSS
VERTICAL CRACKS	THROUGHOUT		MINOR		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
MAP CRACKS	THROUGHOUT		MINOR		
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	TIMBER PILE			
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSION BEARING	TARPAPER	SLIDING LAYERS			
<u>CONDITION</u>	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	<u>COMMENT</u>
					

OVER/UNDER ROUTES CLEARANCE INFORMATION

State Bridge Inspection Report

November 21, 2024 **Missouri Department of Transportation** MODOT 12:30:53PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR **FED-ID: 5203**

BRIDGE: H0431

CLEARANCES OVER DECK VERTICAL CLEARANCE TYPE** **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

DIRECTION

DATE COMMENT

CLEARANCES UNDER BRIDGE RECORD # **ROUTE** **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

VERTICAL CLEARANCE TYPE**

VALUE

VALUE

DIRECTION

DATE

COMMENT

STRUCTURE PAINT INFORMATION STEEL TONS: 0

CONDITION:

NAME:

MILS:

ORIGINAL PAINT

CONTRACT REPAINT

PAINT TYPE:

NAME:

SURFACE PREP:

11/13/2019 (ROBINC3, 12/12/2019)--REPAIR DECK @ GUARDRAIL CONNECTION SPAN 3 NW SECTION

DEPARTMENT REPAINT

MANUFACTURE:

PAINT COLOR: PAINT YEAR:

PAINT TYPE:

PAINT COLOR: PAINT YEAR:

PAINT TYPE:

NAME:

MILS:

PAINT YEAR:

PAINT COLOR:

RUST AMOUNT:

MILS:

REQUESTED WORK ITEMS

GENERAL WORK COMMENTS:

REGIONAL

LOCATION RESPONSIBILITY

SEE COMMENT

ITEM MISCELLANEOUS **CATEGORY DECK**

PRIORITY 2

DATE

WORK ITEM COMMENT

UTILITY ATTACHMENTS

UTILITY OWNER **METHOD**

MEASUREMENT TYPE

VALUE

NUMBER

UTILITY ATTACHMENT COMMENT

PROGRAM NOTES INFORMATION

Design No = H0431



<u>YEAR</u> 2026

Missouri Department of Transportation State Bridge Inspection Report

November 21, 2024 12:30:53PM

COUNTY: CAPE GIRARDEAU

MONTH LET

YEAR LET 2026

DISTRICT: SE

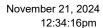
<u>ITEMS</u> REPLACE BRIDGE **CLASS: STATBR**

FED-ID: 5203

COMMENT

BRIDGE: H0431

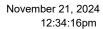
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS			***ADVANCED SIGN INFORMATION***			
NOTE: The items listed in this section are u	updated whenever computer edits are ran on a structure	e after the inspection updates have been entered in to TMS.	SIGN#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
Rated Item	Rating	Rating Date	1			
[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	11/15/2019				
[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	5/18/2001				
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001				
Sufficiency Rating:	25.9%	11/15/2019				
Deficiency:	STRUCTURAL	11/15/2019				
Funding Eligibility:	FULL			***OUTFALL INS	PECTION INFORMATION	***
Estimated New Structure Length:	112 FT.					
Estimated Structure Cost:	\$627,102		# OUTFALLS: 4	I	SPECTOR: ZACHARY LEE	
Estimated Total Project Cost:	\$940,653		STATUS: PASS		DATE: 11/09/2023	
Year of Cost Estimate:	2024		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

COUNTY: CAPE GIRARDEAU H0431 2 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 8/23/2024 2024 ROUTE CARRIED 'ON' STRUCT **RUN DATE: SUBMITTAL YEAR:** RECORD TYPE: 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 00025 5203 8 Federal ID No. 5D Route Number 1926 NOT APPLICABLE 27 5E Year Built Directional Suffix MO 25 S 106 0 7 Year Reconstructed Facility Carried YES HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 0000001012 21 Structure Maintenance 13A LRS Inventory Route No. 00 STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN Toll Status ON FREE ROAD Br. Median Code 20 06-RURAL MINOR ARTERIAL 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 YES 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 4191 4 Place WELCH 29 AADT 78280 2023 Code 30 AADT Year 2-WAY TRAFFIC S 32 T 29 N R 11 E Location 102 Direction of Traffic 11 Milepoint 23.96 miles 7% 109 AADT Truck Percent 16 Latitude 37 D 7 M 55 S 6915 114 Future AADT 17 Longitude 89 D 51 M 18 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION 6 DRAIN DTCH NO 25 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B WATERWAY 19 21.88 miles Type of Service Under By pass Detour Length 00 28B Lanes Under Structure 32 Approach Roadway Width 20 Ft. 0 In. N/A 53.00 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 22 Ft. 8 In. 55A 47 55B Rt. Lat Clearance 0 Ft. 0 In. 48 Maximum Span Length 36 Ft. 1 In. 70 Ft. 10 In. 49 Left Lat Clearance 0 Ft. 0 In. 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 22 Ft. 8 In. 40 Nav Horizontal Clear 51 22 Ft. 12 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: H0431 2 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
LOAD RATING AND POSTING INFORMATION 31 Design Load H 15 41 Structure Status OPEN NO RESTRICTIONS 63 Oper. Rating Meth. LOAD FACTOR 64 Operating Rating 41 Tons. 65 Inventory Rating Meth LOAD FACTOR 66 Inventory Rating 25 Tons. 70 Bridge Posting Code => LEGAL LOADS PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Deficiency Rating STRUCTURAL Funding Eligibility FULL	MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type CONCRETE 43B Main struc Constr. Type TEE BEAM 45 # of Main Spans 1 44A Appr Struc. Mat type CONCRETE 44B Appr Struc. Cnstr. type SLAB 46 # of Approach Span 2 107 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 CONDITION RATING INFORMATION
75A Proposed Work REPLACEMENT SUBSTND LOAD 75B Work Done By Contract 76 New Struc Length 98 Ft. 5 In. 94 Struc Improve Cost \$627,000 95 Roadway Improve Cost \$63,000	58 Deck Cond. Rating 4 59 Superstructure Cond. Rating 4 60 Substructure Cond. Rating 5 61 Channel /Channel Protection Cond. Rating 6
96 Total Project Cost \$941,000 97 Year of Cost Estimates 2024	Culvert Cond. Rating N INSPECTION INFORMATION 90 Gen. Insp Date 11 / 23
APPRAISAL RATING INFORMATION 36A Br. Rail App. Rating MEETS ACCEPTBLE STND 36B Transition Rail App. Rating MEETS ACCEPTBLE STND 36C Approach Rail App. Rating MEETS ACCEPTBLE STND 36D Rail End Treat. App. Rating MEETS ACCEPTBLE STND 67 Struc Eval App. Rating 4 68 Deck Geometry App. Rating 2 69 Underclearance App. Rating N 71 Waterway Adeq. App. Rating 8 72 Approach Road App. Rating 8 113 Scour Assess App. Rating 8	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 Approved Posting Category S-1	FIELD POSTING INFORMATION Field Posting Category S-1
Approved Posting Category S-1 Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign NO POSTING REQUIRED	Field Posting Category S-1 Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign NO POSTING REQUIRED

Design_No = H0431 and Inventory_Appraisal_Submittal_Year = 2024