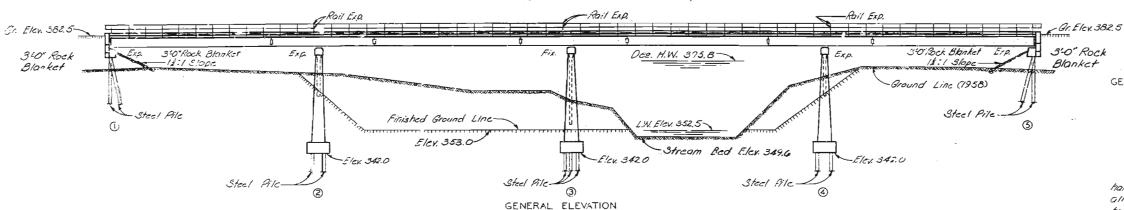
### MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. 19 29





Note: All piling shall be 10' bearing piles of 42" and shall conform with details and notes on Sheet No. 2 of design plans. Estimated Quantitles shown on plans are based on the following lengths: 5@60'0"; 5@70'0" and 26@35'0". These indicated lengths are approximate only. Proper lengths to give required bearing and/or penetration will be outhorised by the Engineer.

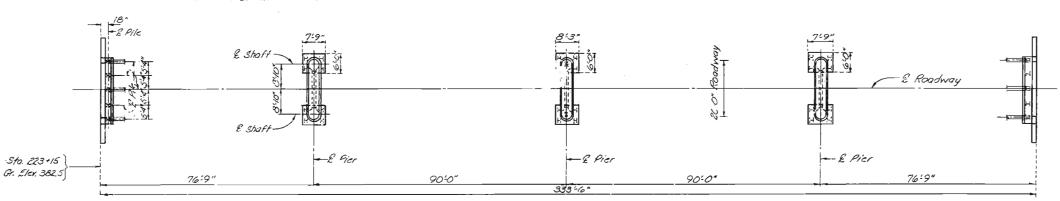
All gies shall be driven to or into solid rock boulders, shale, or Cemented gravel; or to not less than full length outhoris: and to sustain a load of at least 37 ton per pile.

All Pile shell be driven with a steam hammer.

LOCATION SKETCH

Drews JULY 1958 by J.D.R.

Checked Ser 1958 by Q.7.



PLAN

GENERAL NOTES:

Design Specifications A.A.S.H.O. 1757
Loading HID-44
Structural Steel Stress 18,000\*/o\*
Reinforcing Steel Stress 20,000\*/o\*
Closs "B" Concrete Stress 1200\*/o\*
All concrete Sho!! De Closs "B."

Rivers \$"; holes \$", except where otherwise noted.

Field connections shall be riveted except as noted in handrail defails or, if the Contractor desires to eliminate all field riveting on this project, he may use high tensile steel bolts with corburised washers for the expansion device and the team splices and American Standard Regular machine bolts for other field connections except for the \$" or rivet head bolts specified for handrail.

Paint: Shop, none; Field, contact Surfaces of bolted field connections, except where high tensile bolts are used, one cost of read lead and surfaces inaccessible after creation three soots of red lead. No other point to be applied by Contractor except as noted for steel piles. Red lead required shall be funished by Contractor Poyment for cleaning and painting such surfaces will be included in unit price bid for fabricated Structural Steel.

Where joint filler is specified on the plans it shall conform with the requirements for Premoulded Material for Filler as given in Section 59-22D of the Standard Specifications.

See Section 22-90 of Standard Specifications for required painting of Steel Piles.

Qualification of welding operators will be required.

Permits must be obtained for all truck loads

over legal length.

Acossed Structure Sto. 223+15-Des. H.W. Elev. 375.8-E Roadway 15:1 Slope 3:0" Rock Blanket Drainage Area: 30"Rock Blanke 316 39.Mi. (Hilly) Present Structure approx Fill under and in from 1300 ft. upstream to be of end Dents to be removed. Ground Line-Sive Slopes of Fill Front of End Bents Note: 3'0" Rock Blanket shall be placed on

ESTIMATED QUANTITIES Substr. Superstr. Total Item Cu. Yels 320 Cu. Yels 257 Closs / Excavation for Structures Cu. Yds. Class 2 Excavation for Structures Class "B" Concrete C4. Yds. 193.9 160.0 353.9 Reinforcing Steel Lbs. 12,340 32,330 44,670 Fabricated Structural Steel 222,000 222,000 165. Gray Iron Alloy Costings 15.5. 1290 12.90 1452 Steel Pilesin-Place Lin Ft. 1452 Steel PILE Cut-offs Lin. Ft.

Note: Excavation for bridge made above Eig. 353.5 will be paid for as Class I Excavation for Structures.

Excavation for bridge made below Elex. 353.5 will be paid for as Class 2 Excavation for Structures.

\* Final pay weight for fabricated Structural Steel will be based on using field rivets except for boiled Connections specified for handrail.

B.M. =35 Flev. 360.24 N.I.M.S. 20" Willow 10" Rt. Sto. 224+92

BRIDGE OVER WHITEWATER RIVER

STATE ROAD FROM BURFORDVILLE SOUTHEAST TO ROUTE SZ ABOUT 12.0 MILES S.W. OF JACKSON

PROJECT NO. 5-1892 (1) (500) STA. 223+15

CAPE GIRARDEAU COUNTY

EUBHITTED BY J. O. W. Llianord DATE / D. - 28-1958

ADPROVED BY PLAT M. W. Little M. DATE / D. - 28-1958

ADPROVED BY PLAT M. W. LITTLE M. DATE / D. - 28-1958

STD Ç-IIOR6

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

fills of ends of bridge as shown in

ROCK BLANKET SKETCH IS

sketches. See Road Plans for quantities.

Sheet No. | of 7

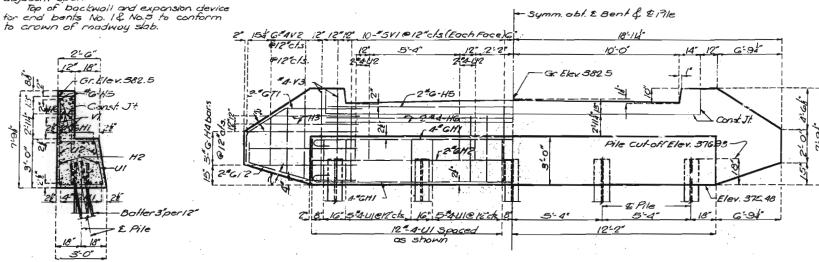
Note: This drawing is not to scale. Follow dimensions.

Note: Backwall above construction joint shall not be poured until the structural steel of the expansion device has been installed and slub has been poured in

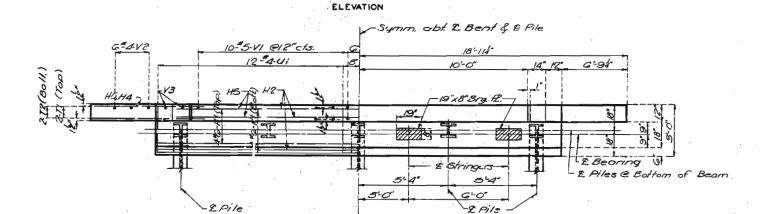
adjacent spon.

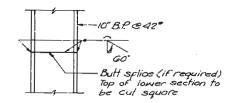
## MISSOURI STATE HIGHWAY DEPARTMENT

FED. AID FISCAL PROJ. NO. YEAR





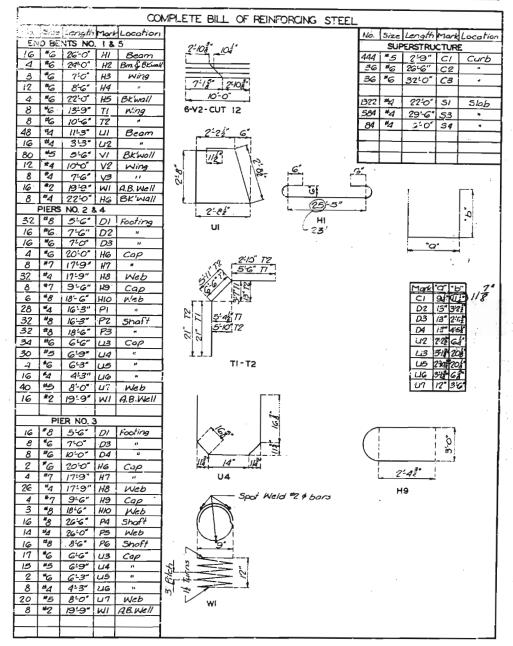




DETAILS OF STEEL PILE SPLICE

PLAN

DETAILS OF END BENTS NO. 1 & 5

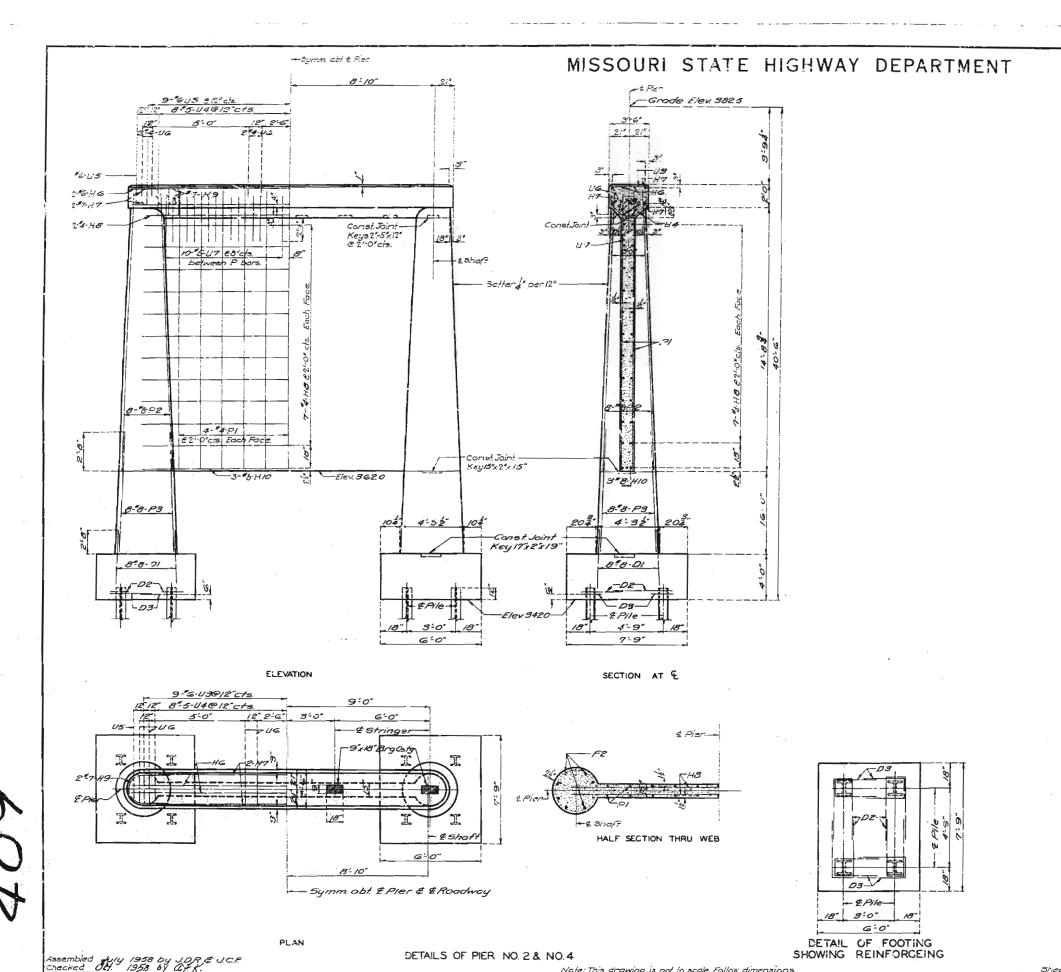


#### BRIDGE OVER WHITEWATER RIVER

STATE ROAD FROM BURFORDVILLE SOUTHEAST TO ROUTE SZ ABOUT 12.0 MILES S.W. OF JACKSON PROJECT NO. S-1892(1) (S00) STA. 223 +15

CAPE GIRARDEAU COUNTY

N-690



BRIDGE OVER WHITEWATER RIVER

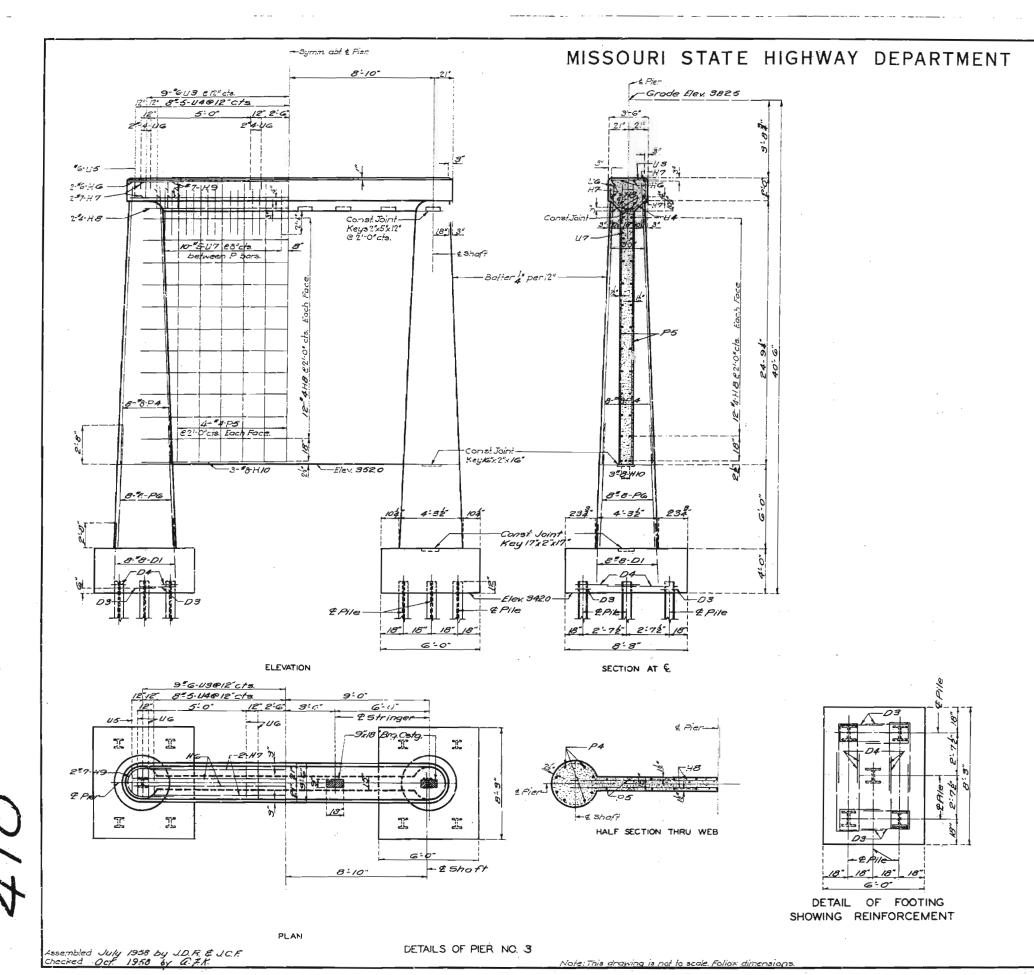
STATE ROAD FROM BURFORDVILLE SOUTHEAST TO ROUTE SZ
ABOUT 12.0 MILES S.W. OF JACKSON

PROJECT No. S-1892(0):(SCO) STA, 223+15

CAPE GIRARDEAU COUNTY

N-690

2-5haft F --



BRIDGE OVER WHITEWATER RIVER

STATE ROAD FROM BURFORDVILLE SOUTHEAST TO ROUTE SZ ABOUT 12.0 MILES S.W. OF JACKSON

PROJECT NO. S-1692(I) (\$00) STA. 223+15

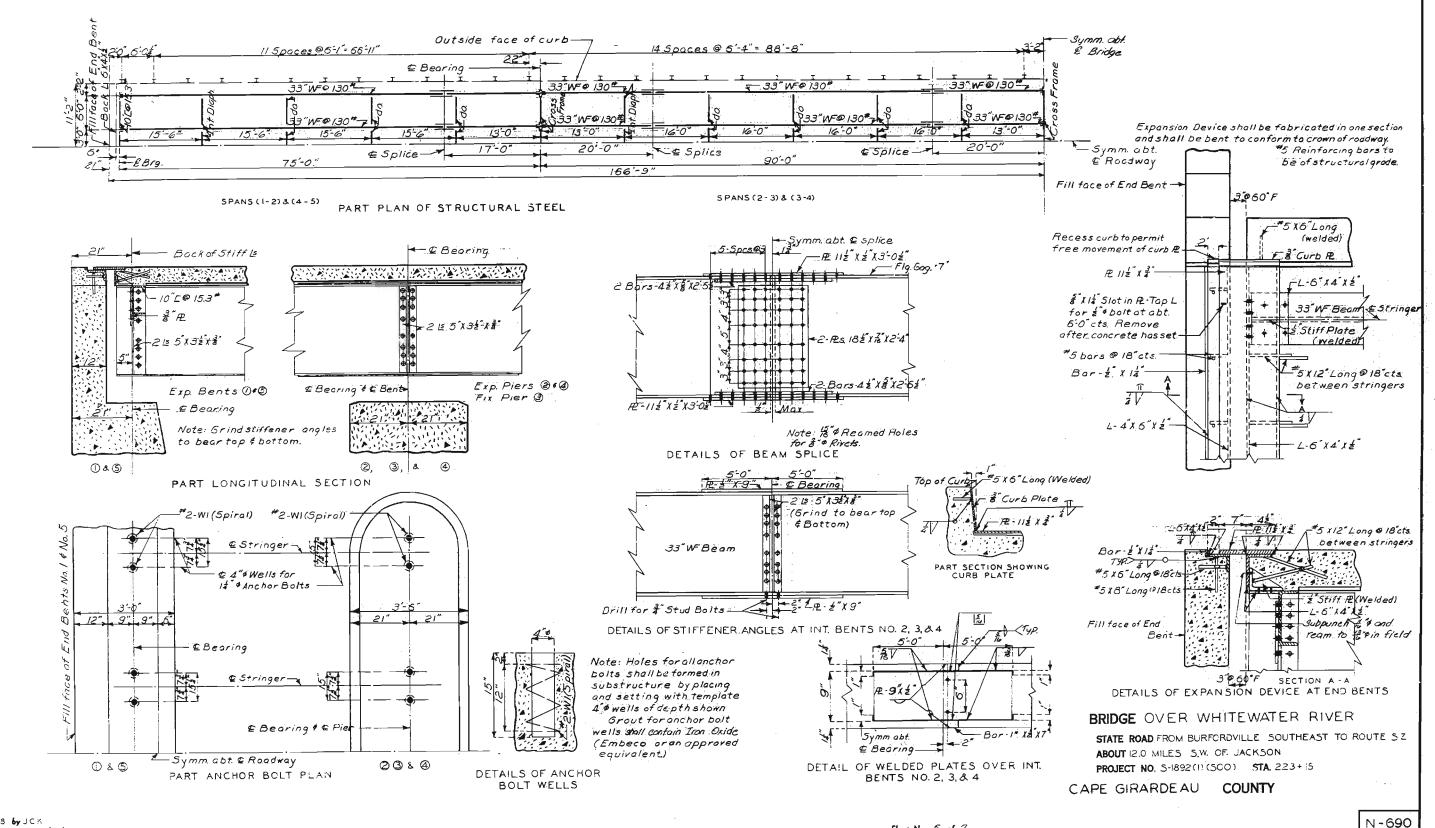
CAPE GIRARDEAU COUNTY

N-690

Sheet No. 4of 7

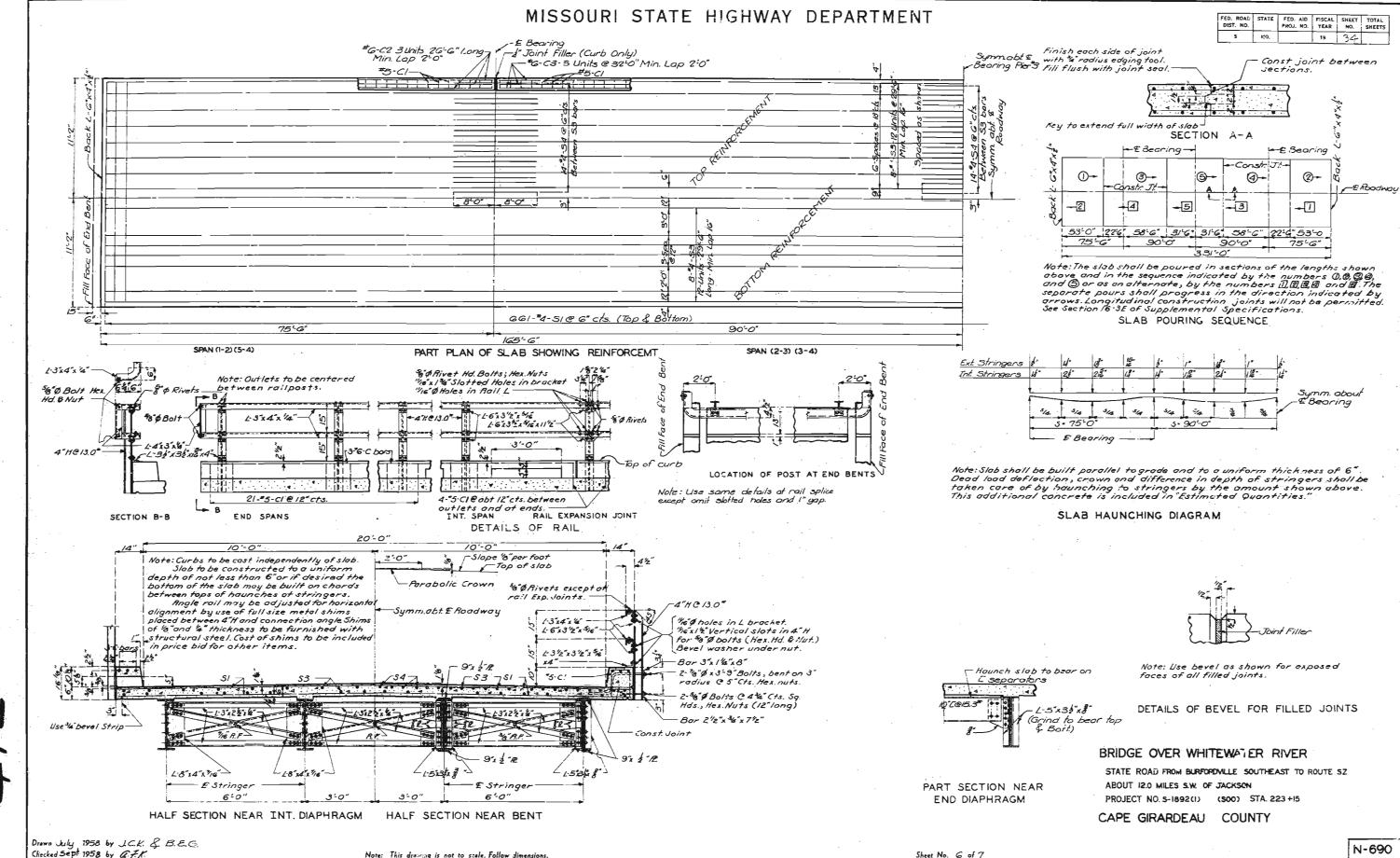
### MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.			TOTAL SHEETS
5	MO.		19	22	



DrawnJULY 1958 by JCK

Checked Oct 1958 by Q 7 K



by 2.45 July 1858

NO CONSTRUCTION CHANGES

N-690

### MISSOURI STATE HIGHWAY DEPARTMENT

DETAIL OF PINTLE 24 - Required

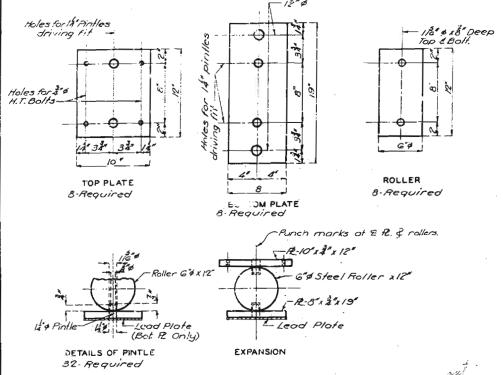
Note: Moterial for pintle shall be structural steel.

TOP PLATE -FIX.

18 Holes for pinite

TOP PLATE - EXP

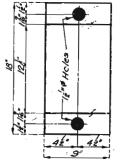
FLOATER PLATE-EXP.



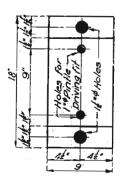
Note: Naterial for plates still be U.S.S.T-1 Alloy Steel or equivalent. Material for rollers and pintles shall be collected finished carbon steel h.L.S.I-C-1042 or C-1045 (Turned and Polished.)
All bearing Fisles shall be straightened to plane surfaces.

#### DETAILS OF BEARINGS AT END BENT NO. 185

Required: 8-sets consisting of top plate, without plate and roller.





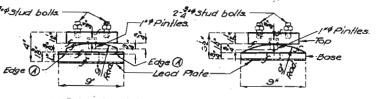


BOTTOM PLATE-FIX

#### GENERAL NOTES:

Cost of leud plates shall be included in price bid for other items. Leud plates under bearing shall be approximately & thick and weight 8 % .

Anchor bolts shall be 14 \$ swedged bolts with Hex. nuts, no heads and shall extend 12" into concrete.



LND ELEVATION - EXE

END ELEVATION - FIX

#### TYPE "B'AT INT. BENTS NO.2,3&4

Required: 8 Sets of Exponsion Castings Bent No.2 & 4 4 Sets of Fix Castings Bent No.3

Note: Bearing: Castings shall be either cast steel or gray iron alloy, but payment will be made as gray iron alloy.

Finish all surfaces marked 5.".

All bolls nuts, and pintles shall be paid for as Fabricaled Structural Steel.

Edge (1) to be rounded. (1) to be radius).

#### DETAILS OF BEARING CASTINGS

Sheet No. 7 of 7.

#### BRIDGE OVER WHITEWATER RIVER

STATE ROAD FROM BURDFORDVILLE SOUTHEAST TO ROUTE SE AROUT 12.0 MILES; S.W. OF JACKSON

PROJECT NO S-1892(1) (S00) STA 223+15

CAPE GIRARDEAU COUNTY

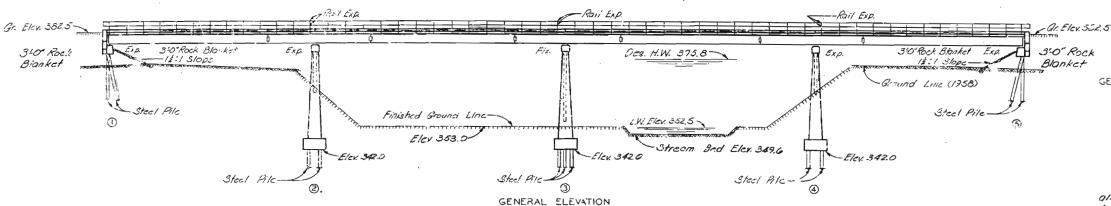
N-690

Nute: This drawing is not to scal 2. Follow dimensions

Assembled July 1958 Checked Oct. 1958

FINAL PLANS

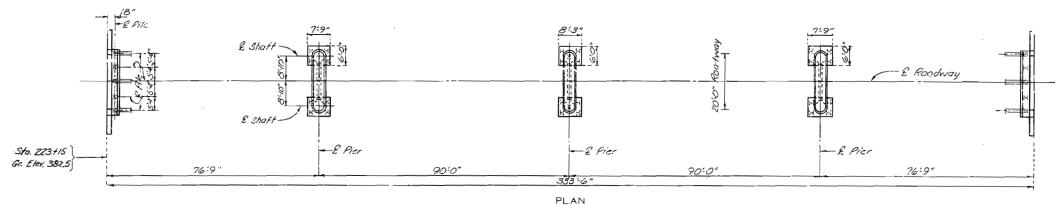




Note: All piling were 10" bearing piles of 42" and did with details and notes on sheet No. 2 of design plans.

Proper lengths to give required bearing and for

penetration was authorized by the Engineer. All piles were driven to or into solid rock, boilders shake, or cemented graves; or to not less than full length authorised and to sustain a load of at least 37 ton per pile. All Pile Were driven with a steam hammer.



FINAL QUANTITIES Substr. Surestr. Moss / Excovation for Sinictures Cuilds. 316 3/6 Class 2 Excavation for Structures O1.16. 255 255 Class "B" Concrete Cu. Yos. 193.9 160.0 353.9 Reinforcing Steel 16s. 12340 32330 44670 Fabricated Structural Steel 221820 221820 165. Gray Iron Alloy Castings 1300 1300 163. 1477 Steel Pilesin-Place Sin Ft Steel Pile Cut-offs Lin. Ft. 108 108

Note: Excavation for bridge made above Elev. 353.5 was poid for as Class I Excavation for Structures. Exeavation for bridge made below Elev. 353.5 Waspaid for as Class 2 Excavation for Structures. \* Final pay weight for Fabricated Structural Stee! based on using field rivers except for bolted Connections specified for handrail.

GENERAL NOTES:

Design Specifications A.A.S.H.O. 1957 Loading HIO-44 Structura! Steel Stress 18,000 "10" Reinforce: 9 Steel Stress 20,000 4/2" Class B' Concrete Stress 1200 %-All concrete used mos closs "B."

The Contractor Jesired to eliminate all field niceting on this project And Uses . high tensile steel bolis with certurized washers for the expansion device and the beam oplices and American Standard Regular machine bolts for other field connections except for the 8 o rivet head bolts specified for hendrail,

Paint : Shop, none; Field, contact surfaces of bolted field connection, except where high tensile bolts are used, one coat of med lead and surfaces in nacessible after erection three coots of red lead, No other paint was applied by Contractor except as noted for steel pikes. Red lead required was furnished by " atroctor Poyment for cleaning and painting such surfaces was included in unit price hid for Febricoted Structural Steel.

Where joint filler is specified on the alons it did conform with the requirements for Presculded Majorial for Filler as given in Section 59-22 D of the Stondard Specifications.

See Section 22-90 of Standard Specifications for required painting of Steel Piles.

Qualification of welding operators . Was required

Structure Sta. 223+15-Des. H.W. Eler 375.8-- E Roudway 12:1 Slope 3:0" Rock Blanket Drainings Area: 3:0"Rock Blanker 316 39.Ni. (Hilly) Siveture approx Fill under and in from 1300 ft. upstream was of end Dents removed. Ground Line-Front of End Bents Side Slopes of Fill

Note: 3'C" Rock Blanket Was placed on

sketches, See Road Plans for quantities. ROCK BLANKET SKETCHES

fills at ends of bridge as shown in

Drawn JULY 1958 by J.D.R. Checked Sept 1958 by Q.F.K.

Note: This drawing is not to scale. Follow dir. aissions.

LOCATION SKETCH

B.M.

BRIDGE OVER WHITEWATER RIVER

STATE ROAD FROM BURFORDVILLE SOUTHEAST TO ROUTE SZ ABOUT 12.0 MILES S.W. OF JACKSON PROJECT NO. 5-1892 (1) (500) STA. 223+15

N.I.N.R. 40' Twin sycamore 100' Ri. sto. 225+73

CAPE GIRARDEAU COUNTY

Elev. 366.68

EVENITED BY J. A. Williams DATE 16-28-1958
APPROVED BY APPROVED BY

STD. C-110RE

Sheet Ho. IA of 1

FINAL PLANS

N-690

### MISSOUR! HIGHWAY AND TRANSPORTATION COMMISSION

STATE		PROJ.	NO.		SHEET NO.
MO.	.705	2490	6		4
SEC/SU	36	TWP	31N	RGE	11E

#### GENERAL NOTES:

DESIGN SPECIFICATIONS:

A.A.S.H.T.0 1989 AND INTERIM 1990.

DESIGN LOADING:

1993 MISSOUR! LEGAL LOADS. NO FUTURE WEARING SURFACE

DESIGN UNIT STRESSES:

STRUCTURAL CARBON STEEL FS=20,000 PSI.

CALCIUM SULFONATE (2 COATS) (SEE SPECIAL PROVISIONS).

#### OLD AND NEW WORK:

OUTLINE OF OLD WORK IS INDICATED BY LIGHT DASHED LINES. HEAVY LINES !NDICATE NEW WORK.

LONGITUDINAL DIMENSIONS ARE BASED ON THE ORIGINAL DESIGN PLANS.

#### TRAFFIC:

MAINTAIN ONE LANE OF TRAFFIC DURING CONSTRUCTION. (SEE ROADWAY TRAFFIC CONTROL PLANS).

#### STRINGER SUPPORT:

THE EXISTING STRINGERS SHALL BE RAISED SIMULTANEOUSLY \* AT JACKING POINT AND SUPPOPTED DURING WELDING OF NEW STEEL PLATES. THE TEMPORARY SUPPORTS MUST BE CAPABLE OF SAFELY SUPPORTING APPROXIMATELY \*\* TONS PER STRINGER, (SEE SPECIAL PROVISIONS).

ESTIMATED QUANTITIES					
ITEM		TOTAL			
STRENGTHEN EXISTING STRINGERS	LUMP SUM	1			

#### REPAIRS TO BRIDGE OVER WHITEWATER RIVER

ABOUT 12 MILES S. W. OF JALKSON.

STATE ROAD FROM BURFORDVILLE TO CORDONVILLE.

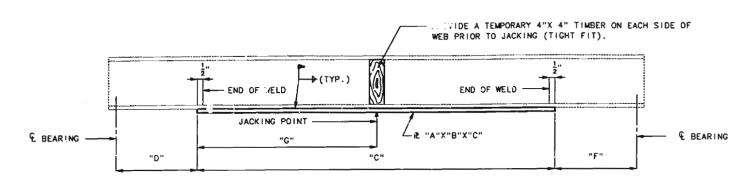
PROJECT NO. JOSO496

STA. 223+15.00

COUNTY

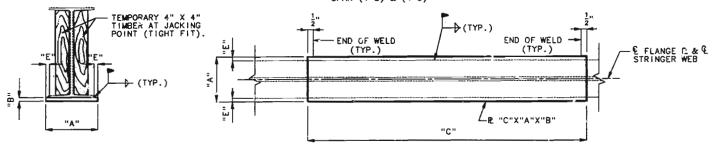
RTE. 00

DATE 8/18 /93



#### TYPICAL ELEVATION OF STRINGER

SPAN (1-2) & (4-5)



#### SECTION THRU STRINGER

TABLE OF DIMENSIONS										
					DIMENS	IONS				
STRINGER	LOCATION	"A"	"8"	"C"	"D"	"E"	"F"	*	* *	"G"
SPAN 1-2	EXTERIOR	14"	1"	36'-9"	18'-3"	114"	20'-0"	<u>9</u> ,,	56	11'-9"
SPAN 1-2	INTERIOR	14"	1"	30 -3	18'-3"	14	20'-0"	314		
SPAN 4-5	EXTERIOR	14"	1"	36'-9"	20'-0"	11/4"	18'~3"	9 "	56	25'-0"
SPAN 4-5	INTERIOR	14"	1"	36'-9"	20'-0"	114"	18'-3"	3.,	56	25'-0"
								!		

DESIGNED: MAR. 1993

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

DETAIL OF FLANGE R

SHEET NO. 1A OF SEE FINAL PLANS

CAPE GIRARDEAU

N06901

### MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

STATE	PROI.	no.		SHE
שכ. כת	50490	·		1 4
SEC/SUR 3	6 TAF	31%	RGE	1 1 E

FINAL PLANS

GENERAL NOTES:

DESIGN SPECIFICATIONS:

A.A.S.H.T.O. 1989 AND INTERIM 1990.

DESIGN LOADING:

1993 MISSOURI LEGAL LOADS. NO FUTURE WEARING SURFACE

DESIGN UNIT STRESSES:

STRUCTURAL CARBON STEEL FS=20,000 PS1.

PAINT:

CALCIUM SULFONATE (2 COATS) (SEE SPECIAL PROVISIONS).

OLD AND NEW WORK:

OUTLINE OF GLD WORK IS INDICATED BY LIGHT DASHED LINES. HEAVY LINES INDICATE NEW WORK.

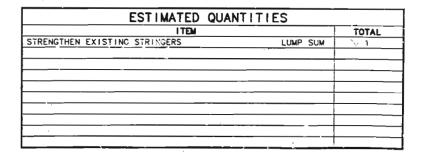
LONGITUDINAL DIMENSIONS ARE BASED ON THE ORIGINAL DESIGN PLANS.

TRAFF:C:

 $\mbox{\tt MAINTAIN}$  ONE LANE OF TRAFFIC DURING CONSTRUCTION. (SEE ROADWAY TRAFFIC CONTROL PLANS).

STRINGER SUPPORT:

THE EXISTING STRINGERS SHALL BE RAISED SIMULTANEOUSLY . AT JACKING POINT AND SUPPORTED DURING WELDING OF NEW STEEL PLATES. THE TEMPORARY SUPPORTS MUST BE CAPABLE OF SAFELY SUPPORTING APPROXIMATELY ... TONS PER STRINGER, (SEE SPECIAL PROVISIONAL PROPERTY PROVISIONAL PROVISIONAL PROVISIONAL PROVISIONAL PROPERTY PROVISIONAL PROVISIONAL PROPERTY PROVISIONAL PROPERTY PROPERTY PROVISIONAL PROPERTY PRO



### REPAIRS TO BRIDGE OVER WHITEWATER RIVER

ABOUT 12 MILES S. W. OF JACKSON.

STATE ROAD FROM BURFORDYILLE TO GORDONVILLE.

PROJECT NG. JOSO496

STA. 223+15.00

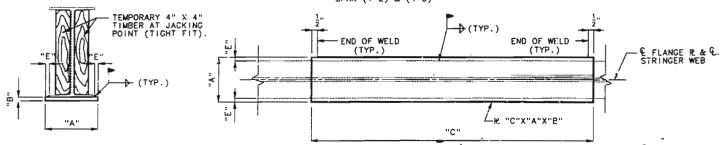
RTE. OO

JOB NO. JOSO498

STD. CAPE GIRARDEAU COUNTY

PROVIDE A TEMPORARY 4"X 4" TIMBER ON EACH SIDE OF WEB PRIOR TO JACKING (TIGHT FIT). → (TYP.) - END OF WELD END OF WELD JACKING POINT ∠ R "A"X"B"X"C" E BEARING -— € BEARING

#### TYPICAL ELEVATION OF STRINGER



SECTION THRU STRINGER

"D"

			TABL	E OF D	IMENSI	ONS				
CTOLNOED	LOCATION		DIMENSIONS							
SIKINGER	LOCAT!ON	"A"	"B"	"C"	"D"	"E"	"F"	*	* *	"G"
SPAN 1-2	EXTERIOR	14"	1"	36'-9"	18'-3"	11/4"	20'-0"	9	56	11'-9"
SPAN 1-2	INTERIOR	14"	1"	36'-9"	18'-3"	11/4"	20'-0"	3	56	11'-9"
SPAN 4-5	EXTERIOR	14"	1"	36'-9'	20'-0"	114"	18'-3"	16"	56	25'-0"
SPAN 4-5	INTERIOR	14"	1"	36'-9"	20'-0"	11/4"	18'-3"	3,,	56	25'-0"
				]						
				1				_		
							1			
			1	1			1		1	

DESIGNED: MAR. 1993

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 14 OF 1

DATE 8/18 /93

STD. N0690

"F"

SPAN (1-2) & (4-5)

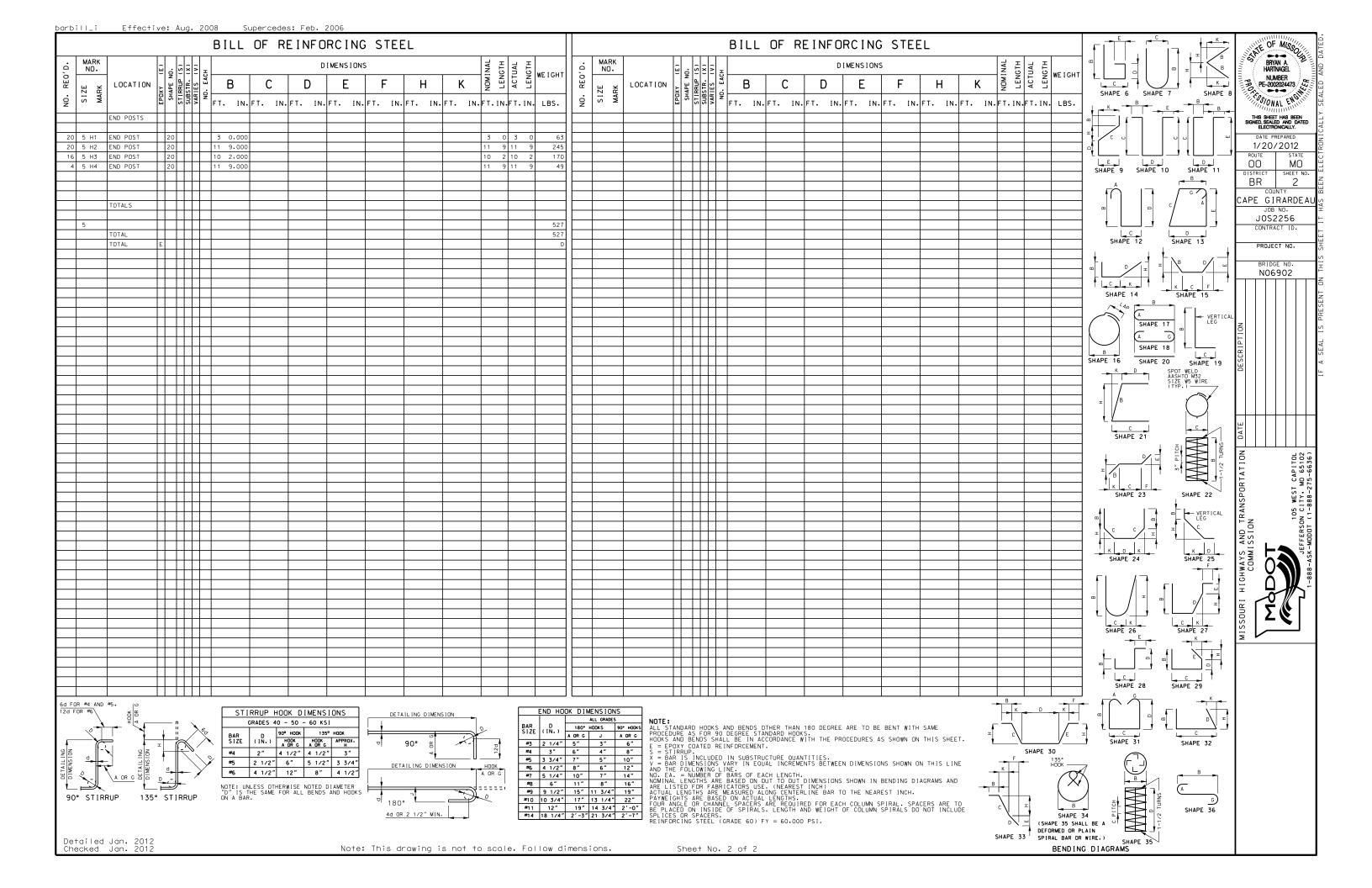
"C"

DETAIL OF FLANGE PL

Detailed Jan. 2012 Checked Jan. 2012 STATE ROAD FROM BURFORDVILLE SOUTHEAST TO ROUTE Z

ABOUT 4.2 MILES S. OF RTE. HH

STA. 223+15.00 ± (Match Existing)



Detailed Jan. 2012

Checked Jan. 2012

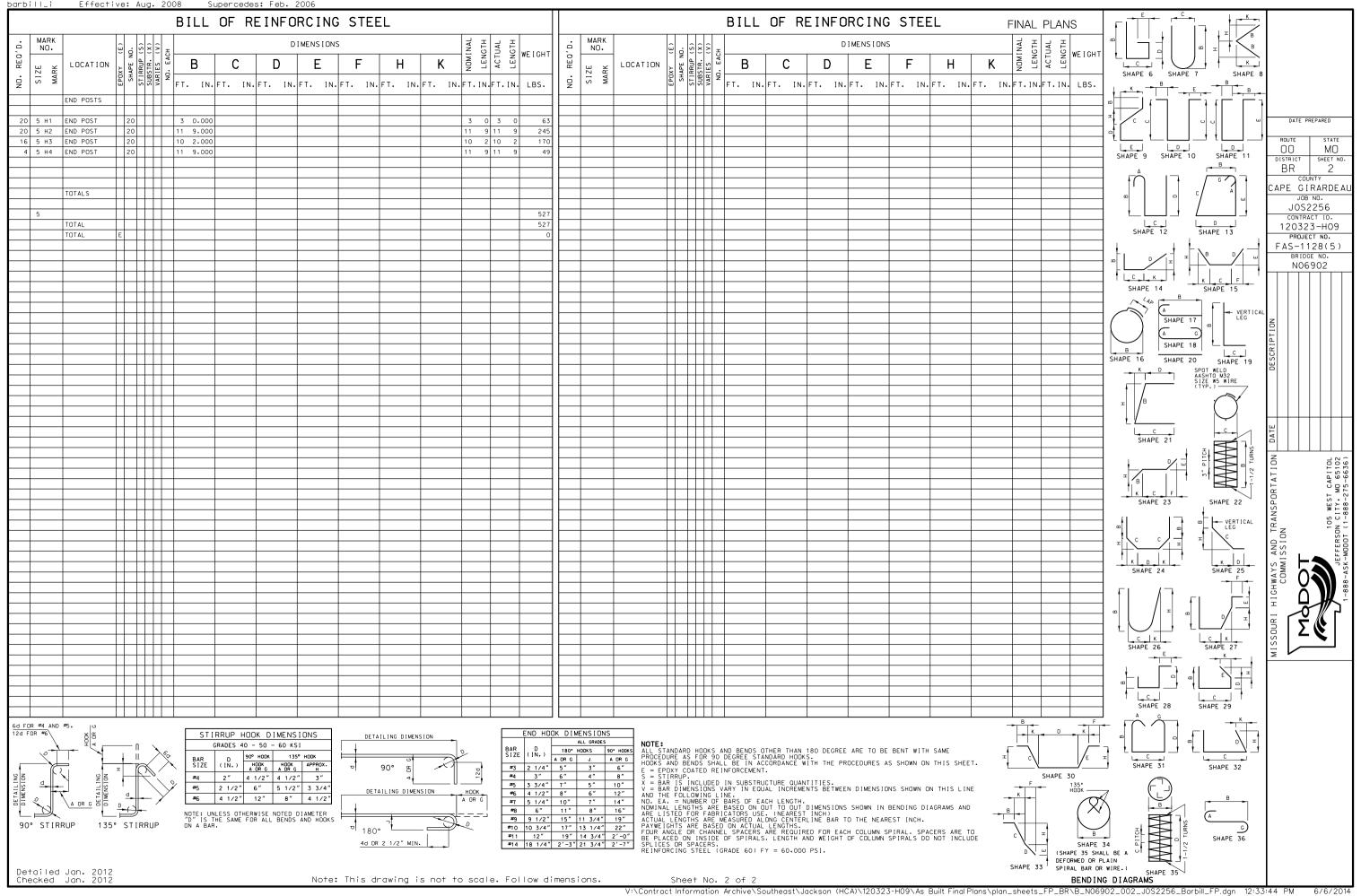
STD. 606.22 Note: This drawing is not to scale, Follow dimensions. Sheet No. 1 of 2

STA. 223+15.00± (Match Existing)

MO

SHEET NO

JOB NO.





November 21, 2024 2:43:57PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7425 BRIDGE: N0690

\*\*\*GENERAL STRUCTURE INFORMATION\*\*\* \*\*\*BRIDGE INSPECTION INFORMATION\*\*\* ROUTE: RTOOE # **SPANS**: 4 PLACE CODE: 38702 KINDER **DATE:** 11/04/2024 **RESPONSIBILITY: DISTRICT** LANES ON: 2 FEATURE: WHITEWATER RVR LENGTH: 334 FT 0 IN FREQUENCY: 24 CALCULATED INTERVAL\*\*: 12 LANES UNDER: 0 STATUS: A-OPEN MAXIMUM SPAN: 90 FT 0 IN **TEAM LEADER:** STEVE RIGHTNOWAR **ELEMENT: NO LOG MILE:** 4.370 **COMPASS DIRECTION: WEST to EAST** APPROACH ROADWAY: 20 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR: 24.00 MILES DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 20 FT 0 IN INSPECTOR 3:** OUT TO OUT: 22 FT 4 IN NHS: NO **FUNCTIONAL CLASS: RL-MAJOR COLLECTOR** \*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1958 **NBI OWNER: MODOT AADT:** 1914 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: SE LOCATION: S 36 T 31 R 11 E **AADT TRUCK: 3.9% LATITUDE:** 37 19 16.99 (DMS) **MAINTENANCE COUNTY: CAPE GIRARDEAU FUTURE AADT: 2967 LONGITUDE:** 89 46 43.40 (DMS) SUB AREA: 7H30 **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:** 11/04/2024 **CATEGORY: DRY DATE:** 06/06/2023 **RESPONSIBILITY: DISTRICT RESPONSIBILITY: DISTRICT NBI:** NO FREOUENCY: 60 NBI: NO FREOUENCY: 24 CALCULATED INTERVAL\*\*: 24 CALCULATED INTERVAL\*\*: 12 TEAM LEADER: STEVE RIGHTNOWAR 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** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** VISUAL 06/01/2022 SCOUR ACTION PLAN NO 25 DISTRICT 999 05/15/2017 999 DAMAGE POST NO DISTRICT INCIDENT

MoDOT

# Missouri Department of Transportation State Bridge Inspection Report

November 21, 2024 2:43:57PM

COUNTY: CAPE GIRARDEAU

**DISTRICT: SE** 

**CLASS: STATBR** 

FED-ID: 7425

**BRIDGE: N0690** 

\*\*\*STRUCTURE POSTING\*\*\* APPROVED CATEGORY: S-1 NO POSTING REQUIRED **Ton 1: Ton 2: Ton 3: COMMENTS:** FIELD CATEGORY: S-1 NO POSTING REQUIRED **PROBLEM:** PROBLEM DIRECTION: **Ton 1: Ton 2: Ton 3: COMMENTS:** \*\*\*GENERAL COMMENTS/MAJOR RATED ITEMS\*\*\* GENERAL COMMENTS: (BOWDEJ1, 09/10/2008)--(76'-90'-76') CONT WF GDR SPANS (STRGTHEN ALL GDR'S IN APPRO SPANS ONLY) [ITEM 58] DECK: 5-FAIR CONDITION COMMENTS: (BLALOR1, 11/19/2013)--SEVERE EDGE DETER **RATING:** 12/19/2007 [ITEM 59] SUPER: 6-SATISFACTORY CONDITION COMMENTS: (BLALOR1, 11/19/2013)--PK RUST TOP FLG LIFTING DK (CHAPMM1, 11/13/2023)--MINOR RUSTING OF SPLICE PLATES ON EXT. GIRDERS **RATING:** 11/13/2023 [ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (STEGEC, 01/08/2018)--PIER 4 FOOTING EXPOSED WITH MINOR UNDERMINING OF THE PILE FOOTING IN 5/2017 (ROBINC3, 11/25/2019)--REPAIRED 2018 **RATING:** 01/08/2018 [ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE COMMENTS: (STEGEC, 01/08/2018)--EXPOSED FOOTING AT PIER 4, EAST BANK HAS MAJOR SLOUGHING IN 5/2017 (ROBINC3, 11/25/2019)--REPAIRED 2018 **RATING:** 05/18/2001 [ITEM 113] SCOUR: 3-SCOUR CRITICAL-UNSTABLE COMMENTS: (CALLAC, 10/10/2002)--ITEM 113 = 3 FROM USGS EVALUATION, SCOUR CAT. = C SUBSTANTIAL EXPOSURE FROM COMBINATION OF SCOUR EVENTS **RATING:** 10/10/2002 (BLALOR1, 12/03/2013)--DEEP CHANNEL SCOUR **EVALUATION TYPE:** [ITEM 71] WATERWAY ADEQUACY: DECK/APPRCH OVERTOP SLIGT **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:** 02/05/2004 **COMMENTS: DIRECTION MATERIAL CONSTRUCTION COMMENTS** REINFORCED CONCRETE **CURB BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT THROUGHOUT** LONGITUDINAL CRACKS MINOR **SPALLS THROUGHOUT MINOR** THROUGHOUT VERTICAL CRACKS **MINOR** STEEL ANGLE-DOUBLE **BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT RUSTING THROUGHOUT MINOR** [ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 12/03/2013 **COMMENTS:** MATERIAL **CONSTRUCTION DIRECTION COMMENTS** GALVANIZED STEEL THRIE BEAM TO W-BEAM **ALL** 

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**Missouri Department of Transportation** 

November 21, 2024 2:43:57PM **State Bridge Inspection Report COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7425 BRIDGE: N0690** [ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING**: 12/03/2013 **COMMENTS:** MATERIAL **CONSTRUCTION DIRECTION COMMENTS** GALVANIZED STEEL W-BEAM ALL [ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1 **RATING:** 12/03/2013 **COMMENTS: MATERIAL CONSTRUCTION DIRECTION COMMENTS GALVANIZED STEEL BREKAWAY SYSTEM** ALL APPROACH PAVEMENT: \*Overall condition assigned for each approach pavemenet component is shown below. **CONSTRUCTION DIRECTION CONDITION\* COMMENTS MATERIAL ASPHALT BITUMINOUS MAT BOTH** GOOD \*\*\*DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS\*\*\* **DECK PROTECTIVE COMPONENTS: SERIES TYPE-# COMPONENT MATERIAL CONSTRUCTION THICKNESS** YEAR APPLIED MANUFACTURE **OVERALL CONDITION** MAIN SERIES-1 WEARING SURFACE ASPHALTBITUMINOUS SEAL COAT .4 IN 2012 GOOD**COMMENT:** DECK PROTECTION *NOTAPPLICABLE* NONE **COMMENT:** *MEMBRANE* **NONE** *NOTAPPLICABLE* **COMMENT:** SECONDARY DECK PROTECTION LIQUID SEALANT INTERNALLY SEALED 2010 PAVON INDECK **COMMENT: DRAINAGE COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS** 

DRAINAGE REINFORCED CONCRETE CURB OUTLET

**EXPANSION DEVICE COMPONENTS:** 

SUB UNIT-# **OVERALL CONDITION** SUB LABEL **COMPONENT MATERIAL CONSTRUCTION GAP** YEAR APPLIED *MANUFACTURE* ABUTMENT-1 CLOSED EXPANSION JOINT STEELFLAT PLATE **FAIR** 

COMMENT: (BLALOR1, 12/03/2013)--COVERED W/ MAT

ABUTMENT-5 CLOSED EXPANSION JOINT STEEL FLAT PLATE **FAIR** 

COMMENT: (BLALOR1, 12/03/2013)--COVERED W/ MAT

**BANK/SLOPE PROTECTION COMPONENTS:** 

**MATERIAL CONSTRUCTION COMPONENT DIRECTION COMMENTS BANK PROTECTION** ROCKGROUTEDBOTH

\*\*\*DECK COMPONENTS\*\*\*

SPAN TYPE-# **MATERIAL COMPONENT CONSTRUCTION COMMENTS** MAIN SPANS-1 DECKREINFORCED CONCRETE CAST-IN-PLACE

Design No = N0690

**COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7425 BRIDGE: N0690** LOCATION 1 LOCATION 2 <u>SEVERITY</u> MEASUREMENT **CONDITION COMMENT** RANDOM **MINOR DELAMINATION EDGE SEVERE** DETERIORATION **EFFLORESCENCE** THROUGHOUT **MINOR** LONGITUDINAL CRACKS THROUGHOUT MINOR **PATCHES RANDOM** MANY REBAR EXPOSED **EDGE** MANY **MINOR** SATURATION THROUGHOUT (CHAPMM1, 11/13/2023)--W/EXPOSED REBAR **SPALLS RANDOM MINOR** (ROBINC3, 11/24/2015)--W/ EFFLO TRANSVERSE CRACKS **MINOR** THROUGHOUT MAIN SPANS-2 DECK REINFORCED CONCRETE CAST-IN-PLACE LOCATION 1 **CONDITION SEVERITY MEASUREMENT** LOCATION 2 **COMMENT** THROUGHOUT MINOR DELAMINATION **SEVERE EDGE** DETERIORATION **EFFLORESCENCE** THROUGHOUT MINOR LEACHING RANDOM **MINOR** LONGITUDINAL CRACKS THROUGHOUT **MINOR** (ROBINC3, 01/13/2020)--W/EFFLO **PATCHES** RANDOM MANY REBAR EXPOSED **EDGE** MANY REBAR EXPOSED **THROUGHOUT MINOR** SATURATION THROUGHOUT **MINOR** 20 % **SPALLS** RANDOM **MINOR** (CHAPMM1, 11/13/2023)--W/EXPOSED REBAR **SPALLS** MINOR THROUGHOUT TRANSVERSE CRACKS THROUGHOUT MANY (ROBINC3, 01/13/2020)--W/EFFLO MAIN SPANS-3 DECKCAST-IN-PLACE REINFORCED CONCRETE **CONDITION** LOCATION 1 LOCATION 2 SEVERITY **MEASUREMENT COMMENT** DETERIORATION **EDGE SEVERE MINOR EFFLORESCENCE** THROUGHOUT LONGITUDINAL CRACKS THROUGHOUT **MINOR PATCHES RANDOM** MANY REBAR EXPOSED **EDGE** MANY REBAR EXPOSED RANDOM MINOR 20 % SATURATION THROUGHOUT **MINOR RANDOM MINOR SPALLS** TRANSVERSE CRACKS THROUGHOUT MANY MAIN SPANS-4 DECKCAST-IN-PLACE REINFORCED CONCRETE **CONDITION LOCATION 1 LOCATION 2** <u>SEVERITY</u> **MEASUREMENT COMMENT** RANDOM **DELAMINATION MINOR SEVERE** DETERIORATION **EDGE** THROUGHOUT **EFFLORESCENCE** FEW **MINOR** LONGITUDINAL CRACKS THROUGHOUT MAP CRACKS RANDOM **FEW PATCHES RANDOM** MANY REBAR EXPOSED **EDGE** MANY REBAR EXPOSED THROUGHOUT MINOR **MINOR** 15 % SATURATION THROUGHOUT **SPALLS** THROUGHOUT **MINOR** TRANSVERSE CRACKS THROUGHOUT MANY

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**COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7425 BRIDGE: N0690** \*\*\*SUPERSTRUCTURE COMPONENTS\*\*\* SERIES TYPE-# **MATERIAL** CONSTRUCTION **COMMENTS** SPAN TYPE **LABEL** (BOWDEJ1, 10/06/2004)--REPAIRED END SPANS 1994 MAIN SERIES-1 **CONTINUOUS SPAN** STEELWIDE FLANGE GIRDERS <u>SPAN</u> **COMPOSITE INDICATOR LENGTH WEATHERING STEEL COMMENTS** MAIN SPANS-1 76 FT 9 IN NO NON-COMPOSITE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** *MEASUREMENT* **COMMENT DECK LIFTING THROUGHOUT MINOR** PACK RUST **TOP FLANGE MINOR** RUSTING **THROUGHOUT MINOR** MAIN SPANS-2 NON-COMPOSITE NO 90 FT 0 IN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT DECK LIFTING THROUGHOUT MINOR MINOR** PACK RUST **TOP FLANGE RUSTING EXTERIOR GIRDERS MINOR** (CHAPMM1, 11/13/2023)--AT BOLTED CONNECTIONS THROUGHOUT **RUSTING** MINOR MAIN SPANS-3 NON-COMPOSITE 90 FT 0 IN NO SEVERITY **CONDITION** LOCATION 1 LOCATION 2 **MEASUREMENT COMMENT DECK LIFTING THROUGHOUT MINOR TOP FLANGE MINOR** PACK RUST **RUSTING EXTERIOR GIRDERS MINOR** (CHAPMM1, 11/13/2023)--OF BOLTED CONNECTIONS **RUSTING THROUGHOUT** MINOR SECTION LOSS TOP FLANGE **INITIAL** MAIN SPANS-4 NON-COMPOSITE NO 76 FT 9 IN LOCATION 1 **CONDITION** LOCATION 2 **SEVERITY MEASUREMENT COMMENT DECK LIFTING MINOR THROUGHOUT** PACK RUST **TOP FLANGE MINOR RUSTING EXTERIOR GIRDERS MINOR** (CHAPMM1, 11/13/2023)--OF BOLTED CONNECTIONS **RUSTING THROUGHOUT MINOR** \*\*\*SUBSTRUCTURE COMPONENTS\*\*\* **SUBSTRUCTURE** SKEW **LENGTH** MATERIAL CONSTRUCTION LABEL **COMMENTS** ABUTMENT-1 24 FT 4 IN REINFORCED CONCRETE NON-INTEGRAL **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **EROSION THROUGHOUT MINOR** VERTICAL CRACKS **RANDOM MINOR** ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** STEEL **PILING** H-SHAPE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** STRAIGHT WINGS REINFORCED CONCRETE CAST-IN-PLACE **CONDITION SEVERITY** LOCATION 1 LOCATION 2 MEASUREMENT COMMENT

Design No = N0690

BACKWALL

HORIZONTAL CRACKS

**CONDITION** 

HORIZONTAL CRACKS

MAP CRACKS

**THROUGHOUT** 

LOCATION 1

**THROUGHOUT** 

THROUGHOUT

REINFORCED CONCRETE

MoDOT

CAST-IN-PLACE

LOCATION 2

**FEW** 

**SEVERITY** 

**MINOR** 

MANY

MEASUREMENT

**COMMENT** 

(ROBINC3, 01/13/2020)--W/EFFLO

**COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7425 BRIDGE: N0690** STEEL SINGLE ROLLER **EXPANSION BEARING CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **RUSTING RANDOM MINOR** BENT-2 21 FT 2 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** MEASUREMENT COMMENT LOCATION 1 LOCATION 2 SEVERITY ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT SCALING THROUGHOUT** MINOR COLUMN REINFORCED CONCRETE **CAST-IN-PLACE LOCATION 2 CONDITION LOCATION 1 SEVERITY** MEASUREMENT COMMENT **SCALING THROUGHOUT** MINOR **FOOTING** REINFORCED CONCRETE H-PILE **CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT** WEB BEAM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** *MEASUREMENT* COMMENT **EXPANSION BEARING** STEEL SLIDING CURVED/FLAT PLA **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT **COMMENT** BENT-3 21 FT 2 IN REINFORCED CONCRETE MULTIPLE COLUMN **SEVERITY CONDITION** LOCATION 1 **LOCATION 2** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE LOCATION 2 **SEVERITY CONDITION LOCATION 1** *MEASUREMENT* **COMMENT DELAMINATION** RANDOM **MINOR** COLUMN REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **DELAMINATION RANDOM MINOR SCALING GROUND LINE MEDIUM SPALLS** MINOR RANDOM **FOOTING** H-PILE REINFORCED CONCRETE **CONDITION** LOCATION 2 **LOCATION 1** SEVERITY MEASUREMENT **COMMENT** WEB BEAM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT **COMMENT SPALLS** RANDOM **MINOR** (ROBINC3, 01/13/2020)--W/EXPOSED REBAR STEEL SLIDING CURVED/FLAT PLA **EXPANSION BEARING CONDITION LOCATION 2** MEASUREMENT LOCATION 1 **SEVERITY COMMENT** BENT-4 REINFORCED CONCRETE MULTIPLE COLUMN 21 FT 2 IN **CONDITION SEVERITY** LOCATION 1 **LOCATION 2** *MEASUREMENT* **COMMENT** ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** REINFORCED CONCRETE BEAM CAP CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY COMMENT** MEASUREMENT **SCALING** WATERLINE MEDIUM **FOOTING** H-PILE REINFORCED CONCRETE **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT **COMMENT EXPOSED** TOP **PARTIAL** (ZENTZA1, 06/16/2014)--1' EXPOSED ON WEST SIDE OF SOUTH FOOTING WEB BEAM REINFORCED CONCRETE **CAST-IN-PLACE** 

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# Missouri Department of Transportation State Bridge Inspection Report

November 21, 2024 2:43:57PM

COUNTY: CAPE GIRAF	RDEAU DISTRICT: SE	CLASS: STATBR	FED-I	D: 7425	BRIDGE: N0690
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
SPALLS	RANDOM		MINOR		
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	24 FT 4 IN REINFORCED CONCRETE	NON- $INTEGRAL$			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<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>
REBAR EXPOSED	RANDOM		MINOR		
SPALLS	RANDOM		MINOR		
VERTICAL CRACKS	RANDOM		MINOR		
PILING	STEEL	H-SHAPE	~		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
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>
HORIZONTAL CRACKS			OPEN		
SPALLS	RANDOM	G 1 G 3 3 3 3 4 G 5	MINOR		(CHAPMM1, 11/13/2023)3/4" X 6' LONG
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBRAN	ME (CUDENCE)	COLUMNIT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
HORIZONTAL CRACKS			MINOR		
MAP CRACKS	THROUGHOUT		MEDIUM		(BODDIO) 01/12/2020) W/EVDOGED BED AD
SPALLS EXPANSION BEARING	THROUGHOUT STEEL	SINGLE ROLLER	MINOR		(ROBINC3, 01/13/2020)W/EXPOSED REBAR
EXPANSION BEARING CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
<u>CONDITION</u> PACK RUST	<u>LOCATION T</u> THROUGHOUT	LOCATION 2	MINOR	<u>MEASUREMENT</u>	COMMENT
PACK RUST RUSTING	THROUGHOUT		MINOR MINOR		
ROSTING	INKOUGHOUI		MINOK		

### \*\*\*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 **Missouri Department of Transportation** MODOT 2:43:57PM

**State Bridge Inspection Report** 

**CLASS: STATBR COUNTY: CAPE GIRARDEAU DISTRICT: SE FED-ID: 7425 BRIDGE: N0690** 

CLEARANCES UNDER BRIDGE

RECORD #

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

**DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE # LANES

LEFT LATERAL CLEARANCE

**VERTICAL CLEARANCE TYPE\*\*** 

**ROUTE** 

**VALUE** 

**DIRECTION** 

**RUST AMOUNT:** 

**DATE** 

**COMMENT** 

\*\*\*STRUCTURE PAINT INFORMATION\*\*\* STEEL TONS: 111

**CONDITION: FAIR** 

**ORIGINAL PAINT** 

**CONTRACT REPAINT** 

DEPARTMENT REPAINT

**UR-ID** 

**PAINT TYPE:** NAME:

MILS:

PAINT TYPE: NAME:

**PAINT TYPE:** S SYSTEM NAME: CAL SULPH/LEAD PAINT **MANUFACTURE:** ARMOR SHIELD **SURFACE PREP:**HAND CLEANED

**PAINT COLOR: PAINT YEAR:**  **PAINT COLOR: PAINT YEAR:** MILS:

**PAINT COLOR:** GRAY PAINT YEAR: 2003 **MILS**: 13

\*\*\*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** 2025

PROJECT# SE0030

MONTH LET YEAR LET 2025

**ITEMS** 

**COMMENT** 

Design No = N0690



November 21, 2024 2:43:57PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE CLASS: STATBR FED-ID: 7425 BRIDGE: N0690

COUNTY: CAFE	E GINANDEAU DISTRICT: SE	CLASS: STATER	FED-ID: 7423	DKIDGE: N0090				
***COMP	UTER GENERATED RATINGS AND D	EFICIENCY ITEMS***	***ADVANCED SIGN INFORMATION***					
NOTE: The items listed in this section are u	apdated whenever computer edits are ran on a struct	ure 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:	5-BETTER THAN MINIMUM	10/8/2013						
[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	2/21/2020						
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001						
Sufficiency Rating:	45.0%	3/6/2024						
Deficiency:	FUNCTIONAL	3/25/2002						
Funding Eligibility:	Funding Eligibility: FULL			***OUTFALL INSPECTION INFORMATION***				
Estimated New Structure Length:	364 FT.							
<b>Estimated Structure Cost:</b>	\$2,329,236		# OUTFALLS: 1	INSPI	ECTOR: ZACHARY LEE			
<b>Estimated Total Project Cost:</b>	\$3,493,854		STATUS: PASS		<b>DATE:</b> 11/08/2023			
Year of Cost Estimate:	2024		NOTES:					
generalized to use NBI items to come up with	estimates are computer generated using algorithms as a new structure length and width to calculate a new t may vary significantly from these numbers once so	area which is taken times a representative cost per						



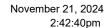
## Missouri Department of Transportation State Bridge Inspection Report CLASS: STATBR FED

November 21, 2024 2:43:57PM

COUNTY: CAPE GIRARDEAU DISTRICT: SE

FED-ID: 7425

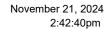
BRIDGE: N0690





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

**COUNTY: CAPE GIRARDEAU** N0690 2 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 11/8/2024 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 00000 7425 8 Federal ID No. 5D Route Number 1958 NOT APPLICABLE 27 5E Year Built Directional Suffix RT OO E 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 NO 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 1914 4 KINDER Place 29 AADT 38702 2023 Code 30 AADT Year 2-WAY TRAFFIC S 36 T 31 N R 11 E Location 102 Direction of Traffic 4.40 miles 11 Milepoint 4% 109 AADT Truck Percent 16 Latitude 37 D 19 M 17 S 2967 114 Future AADT 17 Longitude 89 D 46 M 43 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION 6 WHITEWATER RVR 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 20 Ft. 0 In. 28B Lanes Under Structure 32 Approach Roadway Width N/A 0.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B NO 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 89 Ft. 11 In. 333 Ft. 12 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 20 Ft. 0 In. 40 Nav Horizontal Clear 51 22 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: N0690 2 REVIEW STATUS: APPROVED NBI STATUS: T

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 11/8/2024 SUBMITTAL YEAR: 2024

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT	RUN DATE: 11/8/2024 SUBMITTAL YEAR: 2024
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31   Design Load	MATERIAL/CONSTRUCTION INFORMATION  43A Main Struc. Mat type STEEL CONTINUOUS  43B Main struc Constr. Type STRINGER/MULTIBEAM - GRD  45 # of Main Spans 4  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  108B Membrane Mat/Constr. 0 NONE  CONDITION RATING INFORMATION  58 Deck Cond. Rating 5  Superstructure Cond. Rating 6
76         New Struc Length         364 Ft. 2 In.           94         Struc Improve Cost         \$ 2,329,000           95         Roadway Improve Cost         \$ 233,000           96         Total Project Cost         \$ 3,494,000           97         Year of Cost Estimates         2024	60   Substructure Cond. Rating   5
APPRAISAL RATING INFORMATION  36A Br. Rail App. Rating DOES NOT MEET ACCEPT 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 5  68 Deck Geometry App. Rating 2  69 Underclearance App. Rating N  71 Waterway Adeq. App. Rating 6  72 Approach Road App. Rating 6  113 Scour Assess App. Rating 3	90 Gen. Insp Date 11 / 24  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-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 = N0690 and Inventory\_Appraisal\_Submittal\_Year = 2024