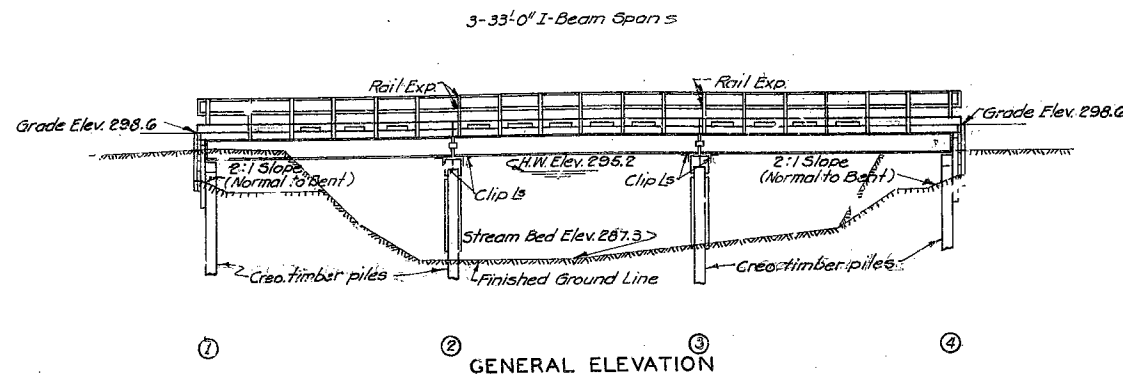


MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	3-127(1)	19		



Note: Excavation of all existing materials under bridge shall be made to not less than 3'-0" below bottom of steel and not less than 4'-0" outside of curb lines. Payment for this excavation outside the limits of excavation for structure will be made at unit contract price for Roadway Excavation.

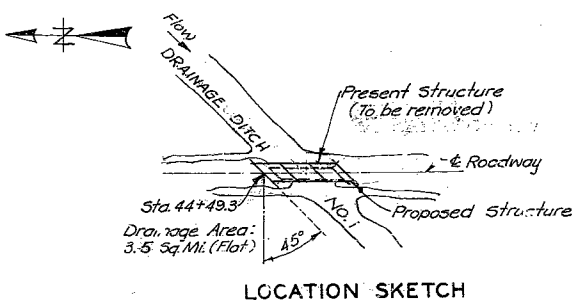
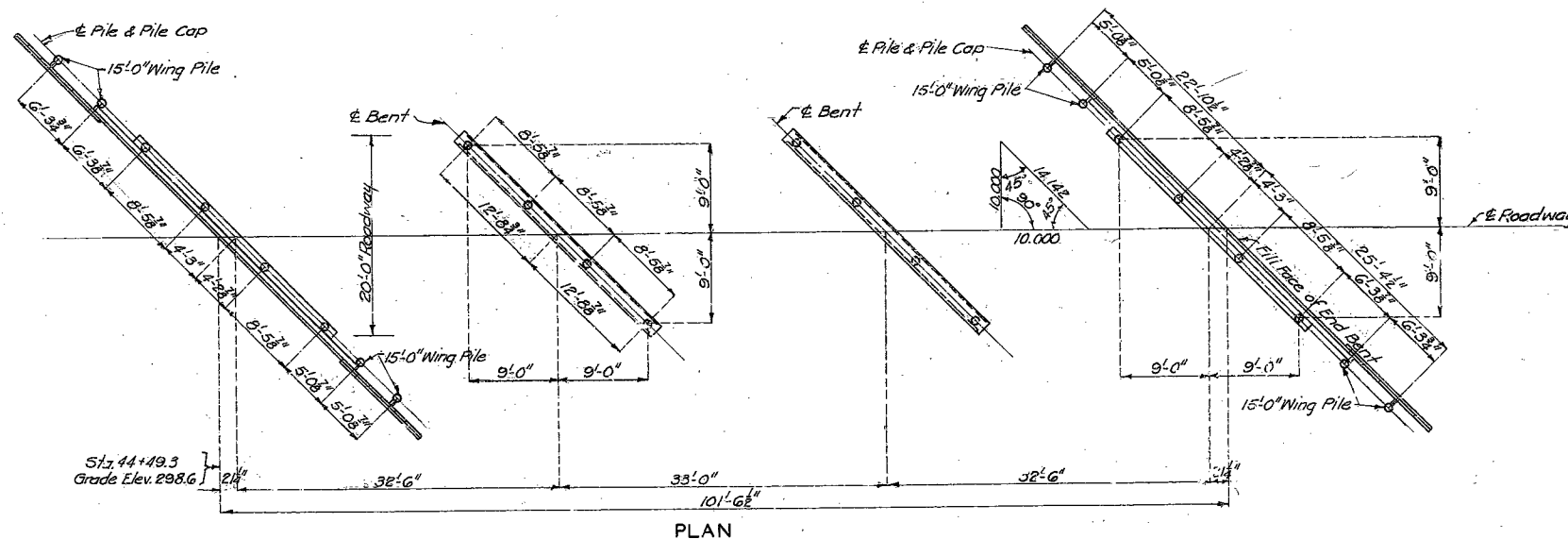
DATA FOR PILE DRIVING			
Bent No. (Not including Wing Piles)	1 & 4	2 & 3	
Pile Capacity Per Pile	14.5 T	17.5 T	
Computed Capacity Reg'd. Per Pile	10.0 T	14.5 T	
Min. Penetration (Pile to Lev.)	272.0	267.0	

Note: All permanent piling shall be creosoted timber. Estimated quantities shown on plans are based on the following lengths: 8 @ 15'-0", 8 @ 40'-0", 8 @ 35'-0". These indicated lengths are approximate only. Proper lengths to give required bearing and/or penetration will be authorized by the Engineer.
All wing piles shall be driven to full penetration of lengths given on plans. Piles other than wing piles shall be driven to not less than the specified "Plan" capacities, and to the minimum penetrations noted; unless the pile lengths authorized and furnished fail to give "Plan" capacities, in which cases, not less than the "Computed" capacities shall be obtained.
Two timber test piles shall be driven, one near Bent No. 1 and one near Bent No. 3.

BILL OF REINFORCING STEEL				
No.	Size	Length	Work	Location
136	#5	21'-9"	CI	Curb
12	#6	17'-9"	CE	"
24	#6	17'-3"	CE	"
78	#4	22'-0"	S1	Slab
38	#4	22'-0"	S2	"
128	#4	17'-6"	S3	"
80	#4	26'-9"	S4	"
152	#4	26'-3"	S5	"
6	#4	3'-0"	S6	"
64	#4	17'-0"	S7	"

GENERAL NOTES:

Design Specifications A.A.S.H.O.-1983.
Loading H10-44.
Class "B" Concrete Stress 1000 #/sq.
Reinforcing Steel Stress 13,000 #/sq.
Structural Steel Stress 18,000 #/sq.
Creosoted Timber Stress 1600 #/sq.
All concrete shall be Class "B".
All timber shall be creosoted or it shall be 1600 # F Douglas Fir of the West Coast Region or either Longleaf or Shortleaf 1600 # F Southern Yellow Pine.
All timber shall be standard sawn except as noted in timber bill for pile caps.
All timber shall be cut to billed lengths and shapes and shall be bored as shown before treating. All backing plank are billed 6" long and are to be recut and fitted in the field.
Rivets 3/8". Holes 1/2" except in handrail where rivets shall be 5/8". Holes 1 1/8". Field connections shall be riveted; or if the Contractor desires to eliminate all field riveting on this project, he may use machine bolts except for the 3/8" button head bolts specified for handrail. Heads and nuts of machine bolts shall be American Standard Regular.
Paint: Shop none; Field, contact surfaces of bolted field connections one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint to be applied by the Contractor. Red lead required shall be furnished by the Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for fabricated structural steel.
Where joint filler is specified on plans it shall conform with the requirements for Remoulded Material for filler as given in Section 38-19A(1)h of the Standard Specifications.



ESTIMATED QUANTITIES			
Item	Substr.	Superstr.	Total
Class I Excavation for structures	Cu. Yds.	120	120
Class "B" Concrete	Cu. Yds.	48.7	48.7
Reinforcing Steel	Lbs.	9560	9560
Fabricated Structural Steel	Lbs.	38,270	38,270
Creosoted Timber	FBM	4,220	4,220
Creosoted Timber Piles in Place	Lin. Ft.	648	648
Creosoted Timber Pile Cut-offs	Lin. Ft.	72	72
Test Piles	Lin. Ft.	95	95

Note: Bridge excavation will be allowed for all bents within the horizontal limits shown and noted on bent details. This excavation will be computed from existing ground line to bottom end of 6"x6" backing supports for end bents and to bottom of sway bracing for interior bents.
All bridge excavation will be paid for as Class I Excavation for structures.

FINISHED
Sheet No. 1 of 3.

B.M. #4 Elev. 295.46 N.I.S.W.R. 10" Elm 100' Rt. Sta. 45+50.

BRIDGE OVER DRAINAGE DITCH NO. 1

STATE ROAD FROM NAYLOR SOUTH TO ARKANSAS LINE
ABOUT 2.1 MILES S. OF NAYLOR
PROJECT NO. S-127(1) SEC. A(SW) STA. 44+49.3
RIPLEY COUNTY

SUBMITTED BY J. A. Williams DATE 8/27/1954
APPROVED BY Res. McWhorter DATE 8/27/1954

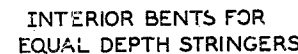
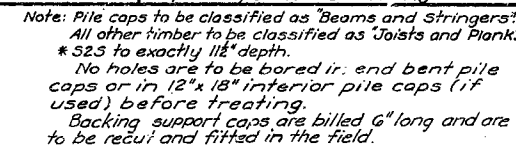
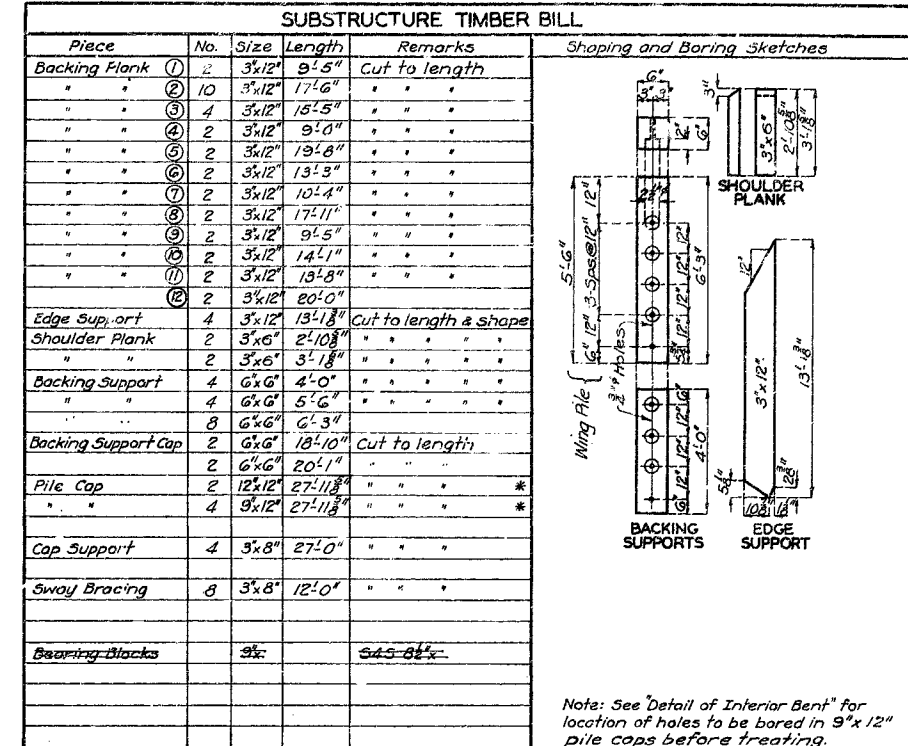
FINISHED
STD. CH. 193
1-376

Drawn Aug. 1954 by H.M.W.
Traced Aug. 1954 by B.R.G.
checked Aug. 1954 by Q.F.K.

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

R. & L. T. 20-H10
Rev. July 1952

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



Note: Cast iron clamps used on bearing plates to have $\frac{1}{8}$ " clearance at flange of beam to allow for expansion. All clamps to have $\frac{3}{8}$ " cored holes.

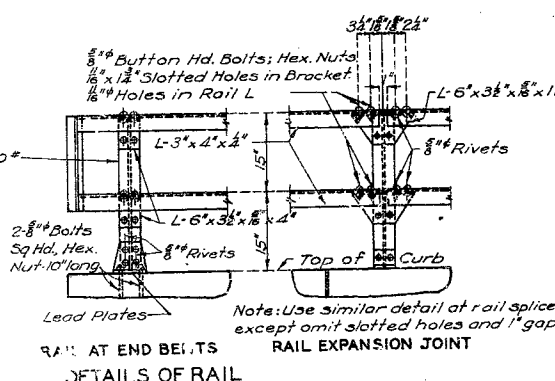
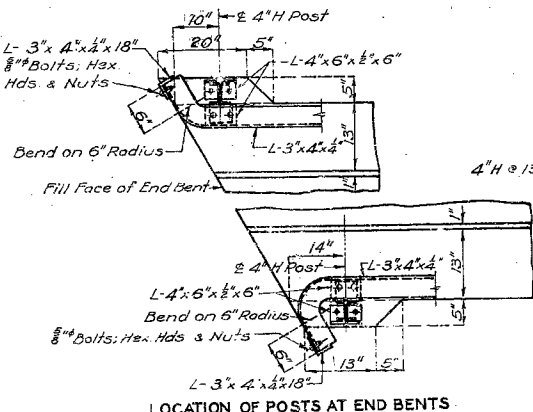
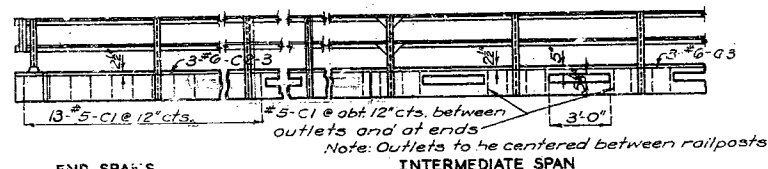
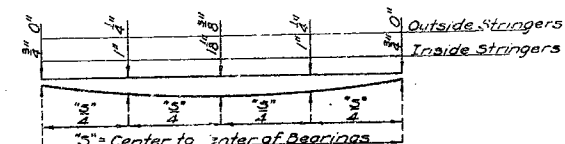
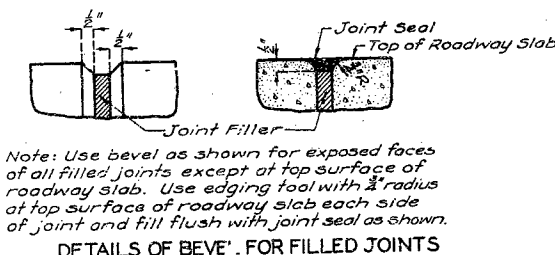
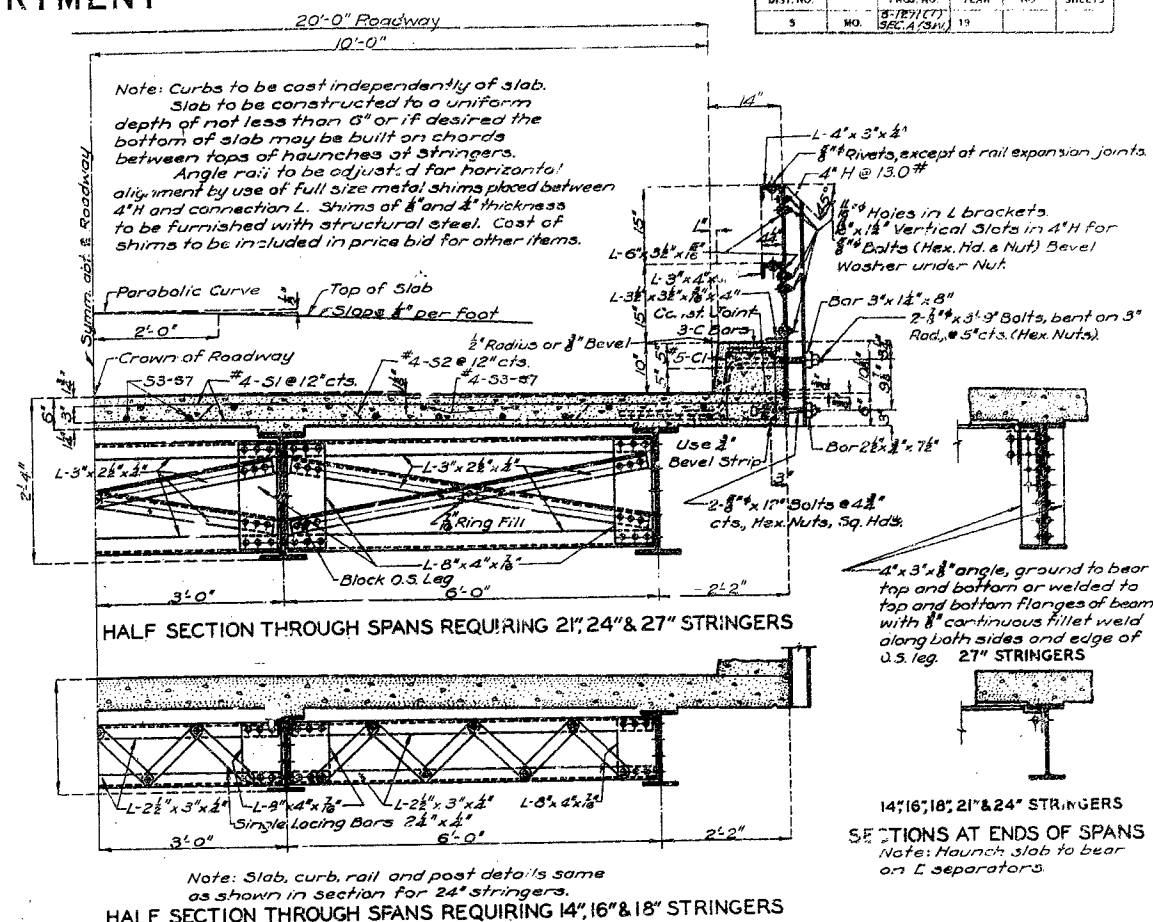
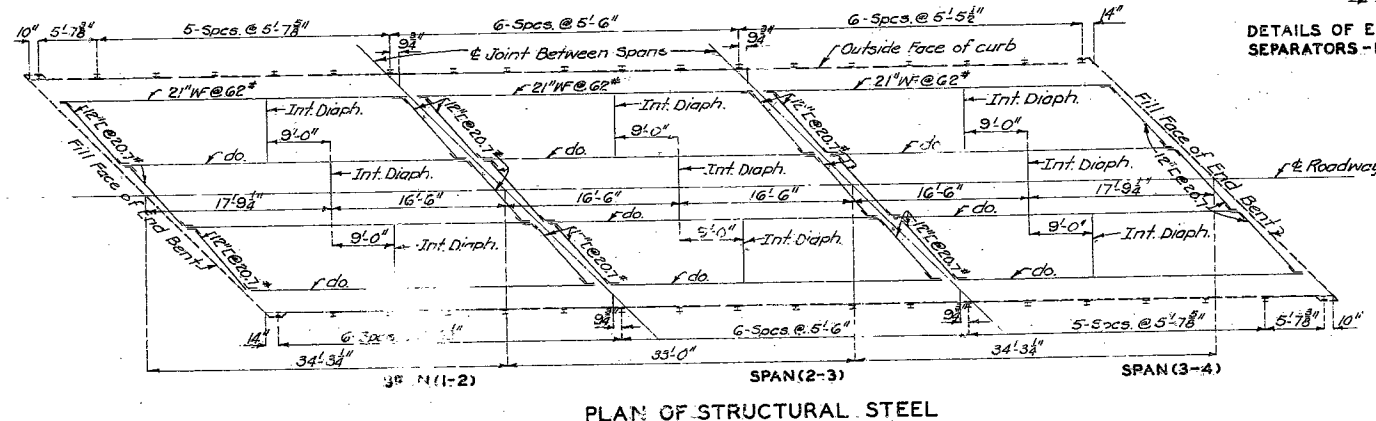
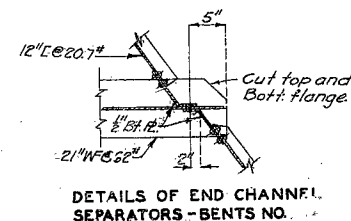
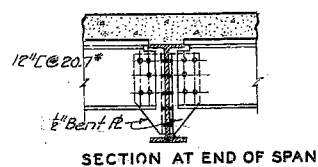
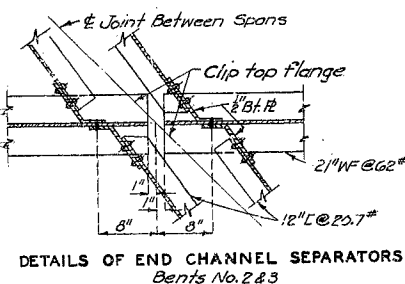
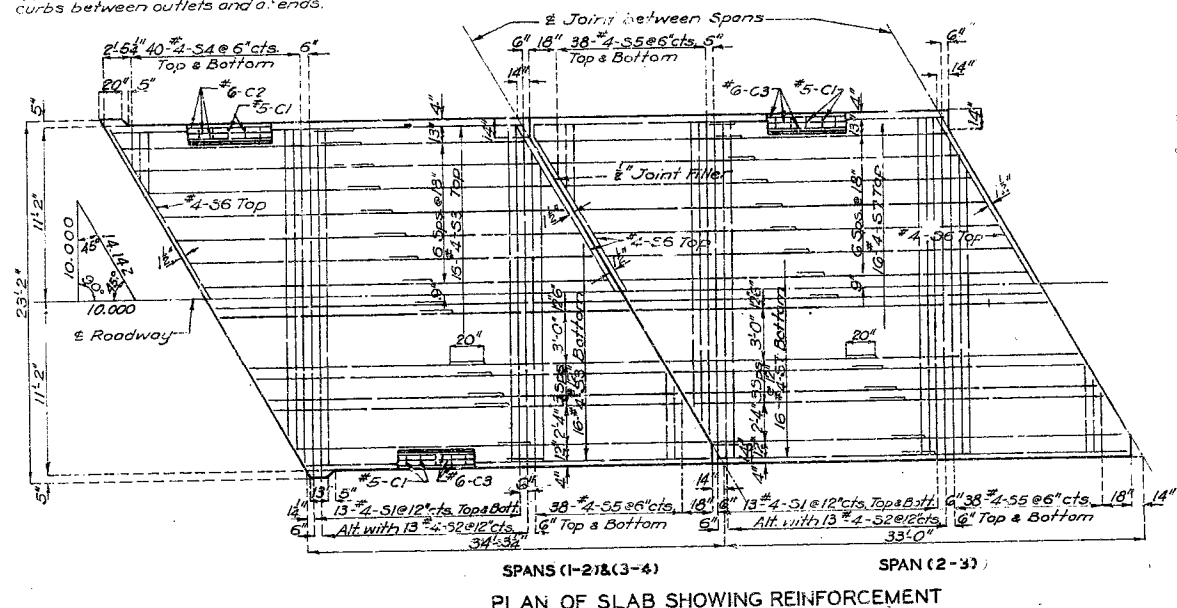
P-676

R.T.-20'-H10-4 Piles
Rev. Jan 1952

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	FEET	TOTAL SHEETS
5	MO.	SEC. A (S.W.)	19		

Note: Space dowel bars C1 at approximately 12" centers in curbs between outlets and at ends.



BRIDGE OVER DRAINAGE DITCH NO. 1
STATE ROAD FROM NAYLOR SOUTH TO ARKANSAS LINE
ABOUT 2.1 MILES S. OF NAYLOR
PROJECT NO. S-1271(1) SEC. A (S.W.) STA. 44+49.3
RIPLEY COUNTY

Assembled Aug. 1954 by H.M.W. & R.P.
Checked Aug. 1954 by G.F.K.

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

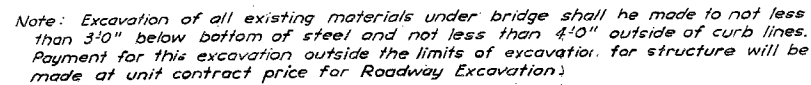
FINISHED
Sheet No. 3 of 3

FINISHED

FINISHED
P-676

R-20-410
REV. 5-1-57

125



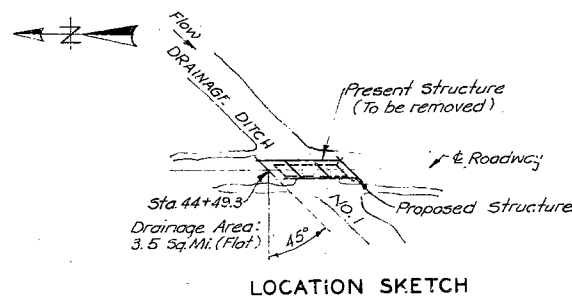
Note: All permanent piling shall be creosoted timber. Estimated quantities shown on plans are based on the following lengths: 1 @ 15'-0", 2 @ 20'-0", 1 @ 35'-0". These indicated lengths are approximate only. Proper lengths to give required bearing and/or penetration will be authorized by the Engineer.

All wing piles shall be driven to full penetration of lengths given on plans. Piles other than wing piles shall be driven to not less than the specified "Plan" capacities, and to the minimum penetrations noted, unless the pile lengths authorized and furnished fail to give "Plan" capacities, in which cases, not less than the "Computed" capacities shall be obtained.

Two timber test piles shall be driven, one near Bent No. 1 and one near Bent No. 3.

GENERAL NOTES:

Design Specifications A A S H.O. 1953.
Loading 410-44.
Class "B" Concrete Stress 1,000 #/sq"
Reinforcing Steel Stress 18,000 #/sq"
Structural Steel Stress 18,000 #/sq"
Creosoted Timber Stress 1600 #/sq"
All concrete shall be class "B".
All timber shall be creosoted and shall be 1600 #/f
Douglas Fir of the West Coast Region or either Longleaf
or Shortleaf 1600 #/f Southern Yellow Pine.
All timber shall be standard sawn except as noted
in timber bill for pile caps.
All timber shall be cut to billed lengths and shapes
and shall be bored as shown before treating. All backing
plank are billed 6" long and are to be recut and fitted
in the field.
Rivets $\frac{3}{8}$ ", Holes $\frac{19}{16}$ " except in handrail where rivets
shall be $\frac{5}{8}$ " holes $\frac{11}{16}$ ". Field connections shall be riveted, or if
the Contractor desires to eliminate all field riveting on this
project, he may use machine bolts except for the $\frac{3}{8}$ "
button head bolts specified for handrail. Heads and
nuts of machine bolts shall be American Standard Regular.
Paint: Shop, none; Field, contact surfaces of bolted
field connections one coat of red lead and surfaces
inaccessible after erection three coats of red lead. No
other paint to be applied by the Contractor. Red lead required
shall be furnished by the Contractor. Payment for
cleaning and painting such surfaces will be included in
unit price bid for Fabricated Structural Steel.
Where joint filler is specified on plans it shall
conform with the requirements for Premoulded Material
for filler as given in Section 38-19A(1) of the Standard Specifications.



Note: Bridge excavation will be allowed for all bents within the horizontal limits shown and noted on bent details. This excavation will be computed from existing ground line to bottom end of 6"x6" backing supports for end bents and to bottom of sway bracing for interior bents.

All bridge excavation will be paid for as Class I Excavation for Structures.

Drown Aug. 1954 by H.M.W.
Traced Aug. 1954 by B.R.G.
checked Aug. 1954 by G.F.K.

Note: This drawing is not to scale. Follow dimensions

Sheet No. 1A of 1

B.M. #4 Elev. 295.46 N.I.S.W.R. 10" E/m 100' Rt Sta. 45+50.

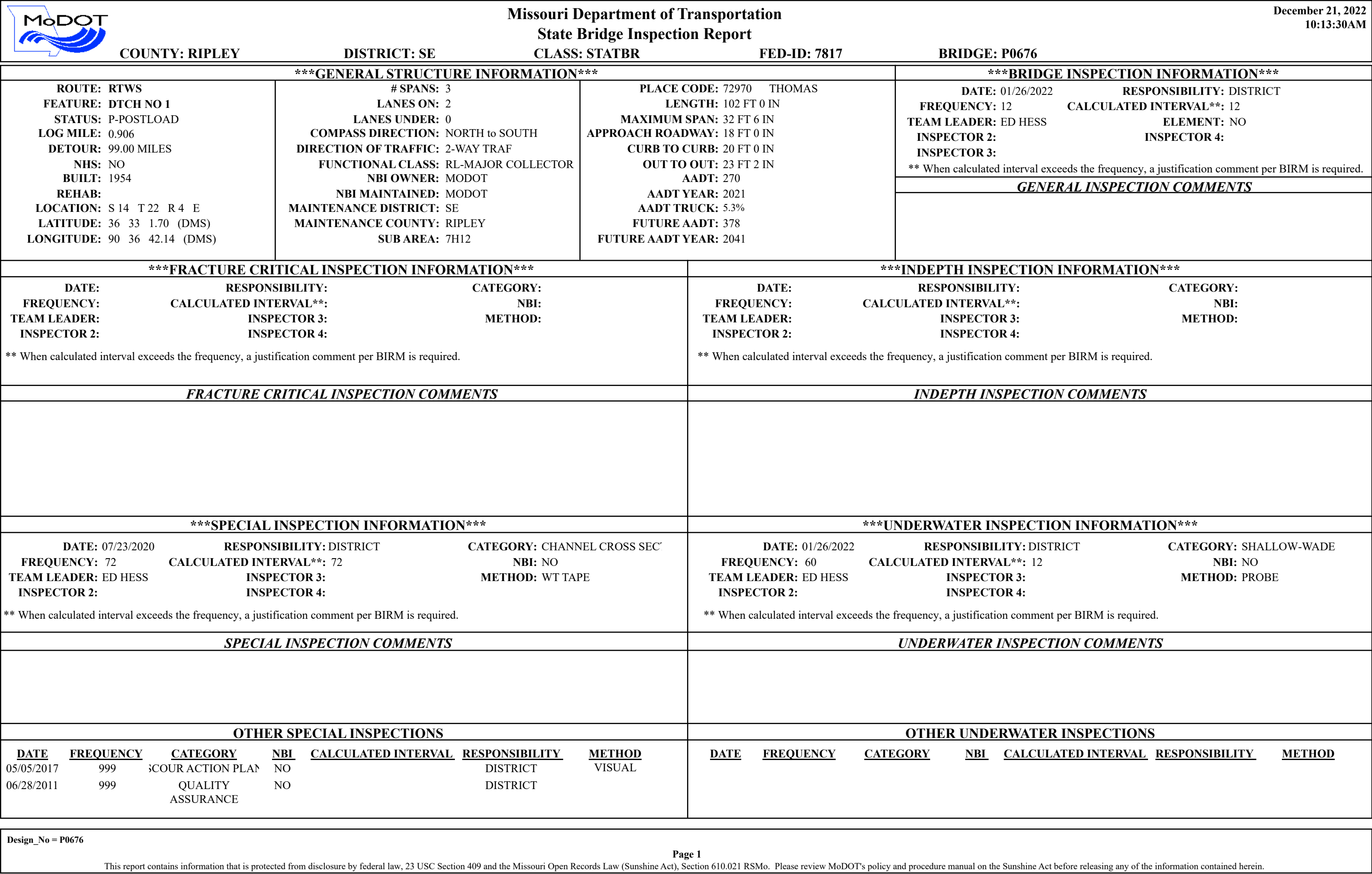
BRIDGE OVER DRAINAGE DITCH NO. 1
STATE ROAD FROM NAYLOR SOUTH TO ARKANSAS LINE
ABOUT 2.1 MILES S. OF NAYLOR
PROJECT NO. S-1271(1) SEC. A(SW.) STA. 44 + 49.3
RIPLEY COUNTY


SUBMITTED BY *J. A. Williams* DATE *8/27/1954*
BRIDGE ENGINEER
APPROVED BY *Rex M. Whitton* DATE *8/27/1954*
CHIEF ENGINEER


FINISHED
STD. CHOR3
P-676

FINAL PLANS

R & L. T. 20-H10
Rev. July 1952



		Missouri Department of Transportation			December 21, 2022	
		State Bridge Inspection Report			10:13:30AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR	FED-ID: 7817	BRIDGE: P0676
STRUCTURE POSTING						
APPROVED CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(32'-32'-32') SMP WF GDR SPANS						
[ITEM 58] DECK: 6-SATISFACTORY CONDITION		COMMENTS: (MARTEP, 07/07/2011)--MOD T CRACKING AND GENERAL DETER				
RATING : 07/07/2011						
[ITEM 59] SUPER: 5-FAIR CONDITION		COMMENTS: (DENNIB1, 01/19/2017)--RUST LIFTING DECK AT JOINTS - MOD				
RATING : 01/19/2017						
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (MARTEP, 07/07/2011)--ALL PILING WERE REPLACED - RAISING RATING (2011)				
RATING : 05/18/2001						
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE		COMMENTS: (BLALOR1, 01/09/2013)--EROSION IN BOTH BANKS				
RATING : 07/07/2011						
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS:				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: SIGNIFICANT DELAY APPRCH		COMMENTS:				
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 02/24/2004		COMMENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
REINFORCED CONCRETE	CURB	BOTH				
STEEL	ANGLE-DOUBLE	BOTH				
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
Design_No = P0676						
Page 2						
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.						

		Missouri Department of Transportation				December 21, 2022	
		State Bridge Inspection Report				10:13:30AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 7817	
				BRIDGE: P0676			
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		FAIR	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS SEAL COAT	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
DRAINAGE		REINFORCED CONCRETE		CURB OUTLET			
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
BENT-2		CLOSED EXPANSION JOINT		FELT		FILLED JOINT	
<u>COMMENT:</u>							
BENT-3		CLOSED EXPANSION JOINT		FELT		FILLED JOINT	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
BANK PROTECTION		EARTH FILL		BERM		BOTH	
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
BOLTED		AT ABUTMENTS				XTERIOR GIRDEF	
SCALING		DRIVING SURFACE				LIGHT	
TRANSVERSE CRACKS		THROUGHOUT				MODERATE	
MAIN SPANS-2		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
BOLTED		AT INTERMEDIATE BENT				XTERIOR GIRDEF	
SCALING		DRIVING SURFACE				LIGHT	
SPALLS		OVERHANGS				FEW	
Design_No = P0676							
Page 3							
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.							



Missouri Department of Transportation

State Bridge Inspection Report

December 21, 2022
10:13:30AM

COUNTY: RIPLEY

DISTRICT: SE

CLASS: STATBR

FED-ID: 7817

BRIDGE: P0676

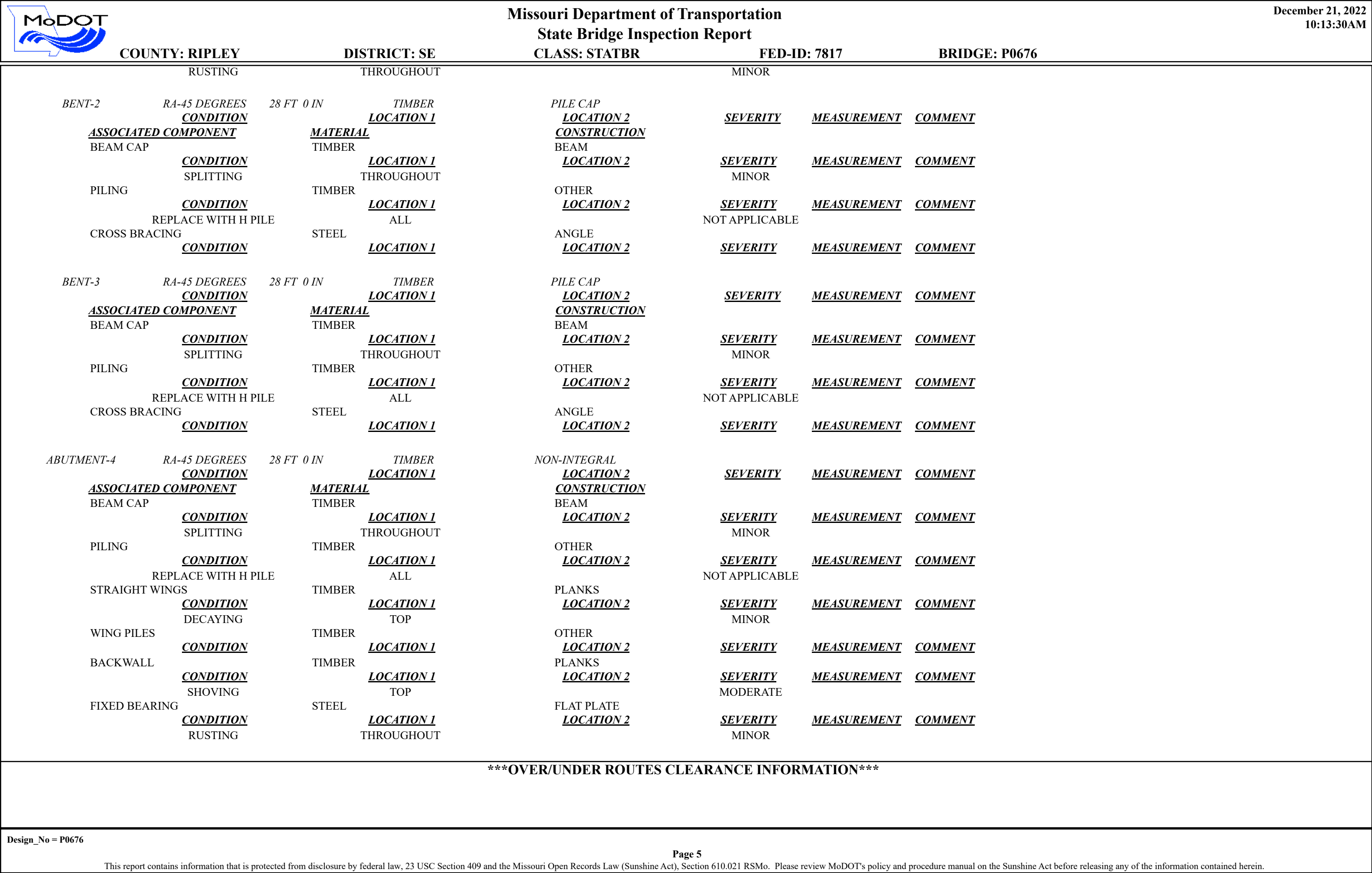
TRANSVERSE CRACKS		THROUGHOUT		MODERATE		
MAIN SPANS-3	DECK	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BOLTED		AT ABUTMENTS		XTERIOR GIRDER		
SATURATION		THROUGHOUT		MINOR		
SCALING		DRIVING SURFACE		LIGHT		
TRANSVERSE CRACKS		THROUGHOUT		MODERATE		


SUPERSTRUCTURE COMPONENTS


<u>SERIES TYPE-#</u>	<u>SPAN TYPE</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>
MAIN SERIES-1	SIMPLE SPAN	STEEL	WIDE FLANGE GIRDERS		(REHAGM, 11/21/2005)--DECK BOLTED TO GIRDERS
	<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>
MAIN SPANS-1	NON-COMPOSITE	32 FT 6 IN	NO		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
DECK LIFTING		TOP FLANGE		MINOR	
RUSTING		TOP FLANGE		MODERATE	
MAIN SPANS-2	NON-COMPOSITE	32 FT 6 IN	NO		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
DECK LIFTING		TOP FLANGE		MINOR	
RUSTING		TOP FLANGE		MODERATE	
SECTION LOSS		ENDS		MINOR	
MAIN SPANS-3	NON-COMPOSITE	32 FT 6 IN	NO		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
DECK LIFTING		TOP FLANGE		MINOR	
RUSTING		TOP FLANGE		MODERATE	
SECTION LOSS		ENDS		MINOR	

SUBSTRUCTURE COMPONENTS

<u>SUBSTRUCTURE</u>	<u>SKEW</u>	<u>LENGTH</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>
ABUTMENT-1	RA-45 DEGREES	28 FT 0 IN	TIMBER	NON-INTEGRAL		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>		<u>COMMENT</u>
	BEAM CAP		TIMBER	BEAM		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	PILING		TIMBER	OTHER		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	REPLACE WITH H PILE		ALL		NOT APPLICABLE	
	STRAIGHT WINGS		TIMBER	PLANKS		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	WING PILES		TIMBER	OTHER		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	BACKWALL		TIMBER	PLANKS		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>
	SHOVING		TOP		MODERATE	
	FIXED BEARING		STEEL	FLAT PLATE		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>



		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 21, 2022</div> <div>10:13:30AM</div>			
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 7817		BRIDGE: P0676	
<div><div>CLEARANCES OVER DECK</div><div><div>VERTICAL CLEARANCE TYPE**</div><div>VALUE</div><div>DIRECTION</div><div>DATE</div><div>COMMENT</div></div></div> <div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div></div>									
<div><div>CLEARANCES UNDER BRIDGE</div><div><div>RECORD #</div><div>ROUTE</div><div># LANES</div><div>DIRECTION OF TRAFFIC</div><div>RIGHT LATERAL CLEARANCE</div><div>LEFT LATERAL CLEARANCE</div><div>UR-ID</div></div><div><div>VERTICAL CLEARANCE TYPE**</div><div>VALUE</div><div>DIRECTION</div><div>DATE</div><div>COMMENT</div></div></div> <div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div></div>									
STRUCTURE PAINT INFORMATION									
<div><div>CONDITION:GOOD</div><div>RUST AMOUNT : 8=.1% OF SURFACE RUSTED</div><div>STEEL TONS : 19</div></div> <div><div><div>ORIGINAL PAINT</div><div>PAINT TYPE : NAME : PAINT COLOR : PAINT YEAR : 1954 MILS :</div></div><div><div>CONTRACT REPAINT</div><div>PAINT TYPE : NAME : PAINT COLOR : PAINT YEAR : MILS :</div></div><div><div>DEPARTMENT REPAINT</div><div>PAINT TYPE : C SYSTEM NAME : INORGANIC ZINC/VINYL PAINT COLOR : GREEN PAINT YEAR : 1982 MILS : 6</div><div>MANUFACTURE : SURFACE PREP :</div></div></div>									
REQUESTED WORK ITEMS									
GENERAL WORK COMMENTS:									
<div><div>RESPONSIBILITY</div><div>LOCATION</div><div>ITEM</div><div>CATEGORY</div><div>PRIORITY</div><div>DATE</div><div>WORK ITEM COMMENT</div></div>									
UTILITY ATTACHMENTS									
<div><div>UTILITY</div><div>OWNER</div><div>METHOD</div><div>MEASUREMENT TYPE</div><div>VALUE</div><div>NUMBER</div><div>UTILITY ATTACHMENT COMMENT</div></div>									
PROGRAM NOTES INFORMATION									
<div>Design_No = P0676</div> <div><div>Page 6</div><div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div></div>									

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		State Bridge Inspection Report			10:13:30AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR	FED-ID: 7817	BRIDGE: P0676
<u>YEAR</u> 2025	<u>PROJECT #</u> 9S3817	<u>MONTH LET</u> 0	<u>YEAR LET</u> 2025	<u>ITEMS</u> REPLACE BRIDGE	<u>COMMENT</u>	
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS					***ADVANCED SIGN INFORMATION***	
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.					SIGN # 1	SIGN TYPE C - IDHW
					PROBLEM	PROBLEM DIRECTION
<div><div><u>Rated Item</u></div><div>[Item 67] Structure Evaluation Rating:</div><div>[Item 68] Deck Geometry Rating:</div><div>[Item 69] Underclearance:</div><div>Sufficiency Rating:</div><div>Deficiency:</div><div>Funding Eligibility:</div><div>Estimated New Structure Length:</div><div>Estimated Structure Cost:</div><div>Estimated Total Project Cost:</div><div>Year of Cost Estimate:</div></div> <div><div><u>Rating</u></div><div>4-MEETS MINIMUM TOLERABLE</div><div>4-MEETS MINIMUM TOLERABLE</div><div>N-NOT APPLICABLE</div><div>31.9%</div><div>NOT DEFICIENT</div><div>----</div><div>----</div><div>----</div><div>----</div><div>----</div></div> <div><div><u>Rating Date</u></div><div>11/15/2011</div><div>2/8/2017</div><div>5/18/2001</div><div>3/8/2022</div><div>2/8/2017</div><div>----</div><div>----</div><div>----</div><div>----</div><div>----</div></div>					***OUTFALL INSPECTION INFORMATION***	
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.					# OUTFALLS:	INSPECTOR:
					STATUS:	DATE:
					NOTES:	

Design_No = P0676

Page 7

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

December 21, 2022
10:08:20am

COUNTY : RIPLEY BRIDGE : P0676 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 9/1/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	SE	5B	Route Signing Prefix	MO
3	County	RIPLEY	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	7817	5D	Route Number	0000W
27	Year Built	1954	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	RT W S
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	07-RURAL MAJOR COLLECTOR
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE NOT A DEFENSE HWY
112	NBIS Bridge Length	YES	104	National Highway System	NOT ON NHS
			105	Federal Lands Highway	NOT APPLICABLE
			110	Designated Nat. Network	NO
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	THOMAS	29	AADT	270
	Code	72970	30	AADT Year	2021
9	Location	S 14 T 22 N R 4 E	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	0.91 miles	109	AADT Truck Percent	5%
16	Latitude	36 D 33 M 2 S	114	Future AADT	378
17	Longitude	90 D 36 M 42 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	DTCH NO 1	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	124.38 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	18 Ft. 1 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	45.00 Degrees
54B	Vert. Clearance	0 Ft. 0 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	N/A	47	Total Horiz. Clear	20 Ft. 0 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	32 Ft. 6 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	102 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ	50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	20 Ft. 0 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	23 Ft. 4 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = P0676 and Inventory_Appraisal_Submittal_Year = 2022



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

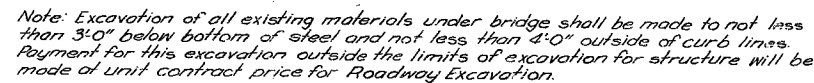
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RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 9/1/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION				MATERIAL/CONSTRUCTION INFORMATION				
31	Design Load	H 10		43A	Main Struc. Mat type	STEEL		
41	Structure Status	POSTED FOR LOAD		43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD		
63	Oper. Rating Meth.	ALLOWABLE STRESS		45	# of Main Spans	3		
64	Operating Rating	25 Tons.		44A	Appr Struc. Mat type	000		
65	Inventory Rating Meth	ALLOWABLE STRESS		44B	Appr Struc. Cnstr. type	000		
66	Inventory Rating	14 Tons.		46	# of Approach Span	0		
70	Bridge Posting Code	20.0-29.9% BELOW		107	Deck Mat/Constr.	1 CONCRETE CIP		
PROPOSED IMPROVEMENT INFORMATION				108A	Wear Surf Mat/Constr.	6 BITUMINOUS		
	Sufficiency Rating	31.9	Percent	108B	Membrane Mat/Constr.	0 NONE		
	Deficiency Rating	NOT DEFICIENT		108C	Deck Protect Mat/Constr.	0 NONE		
	Funding Eligibility			CONDITION RATING INFORMATION				
75A	Proposed Work			58	Deck Cond. Rating	6		
75B	Work Done By			59	Superstructure Cond. Rating	5		
76	New Struc Length	0 Ft. 0 In.		60	Substructure Cond. Rating	5		
94	Struc Improve Cost	\$ 0,000		61	Channel /Channel Protection Cond. Rating	5		
95	Roadway Improve Cost	\$ 0,000		62	Culvert Cond. Rating	N		
96	Total Project Cost	\$ 0,000		INSPECTION INFORMATION				
97	Year of Cost Estimates	0		90	Gen. Insp Date	1 / 22		
APPRAISAL RATING INFORMATION				91	Gen. Insp. Frequency	12	Months	
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND		92A	Frac. Critical Inspection	N	Months	
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND		93A	Frac. Critical Insp. Date			
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND		92B	Underwater Inspection	N	Months	
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND		93B	Underwater Insp. Date			
67	Struc Eval App. Rating	4		92C	Special Inspection	N	Months	
68	Deck Geometry App. Rating	4		93C	Special Inspection Date			
69	Underclearance App. Rating	N		BORDER BRIDGE INFORMATION				
71	Waterway Adeq. App. Rating	4		98	Neighboring State Code			
72	Approach Road App. Rating	8		98B	Neighboring State % Respon			
113	Scour Assess App. Rating	8		99	Neighboring State Struc. No.			
APPROVED POSTING INFORMATION				FIELD POSTING INFORMATION				
Approved Posting Category		S-7		Field Posting Category		S-7		
		Ton1	Ton2	Ton3		Ton1	Ton2	Ton3
Tonnage Values for Posting Sign		17		Tonnage Values for Posting Sign		17		
General Text for Posting Sign				General Text for Posting Sign				
TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				

Design_No = P0676 and Inventory_Appraisal_Submittal_Year = 2022

825



Note: All piling shall be creosoted timber. Estimated Quantities shown on plans are based on the following lengths: 4@12'-0"; 4@20'-0"; 1@35'-0" and 3@40'-0". These indicated lengths are approximate only. Proper lengths to give required bearing and for penetration will be authorized by the Engineer.

Two timber test piles shall be driven, one near Bent No. 1 and one near Bent No. 3.

All wing piles shall be driven to full penetration of lengths given on plans. Piles other than wing piles shall be driven to not less than the specified "Plan" capacities and to the minimum penetrations noted; unless the pile lengths authorized and furnished fail to give "Plan" capacities in which cases not less than the "Computed" capacities shall be obtained.

GENERAL NOTES:

Design Specifications A.A.S.H.O.-1953
Loading H10-44.

Glass "B" Concrete Stress 1,000 #/sq
Reinforcing Steel Stress 18,000 #/sq
Structural Steel Stress 18,000 #/sq
Cresosoted Timber Stress 1600 #/sq

All concrete shall be Class "B".
All timber shall be crososoted and shall be 1600 #
Douglas Fir of the West Coast Region or better Longleaf
or Shortleaf 1600 # Southern Yellow Pine.

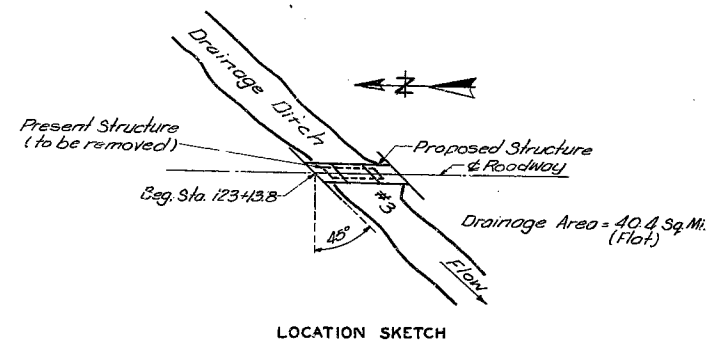
All timber shall be standard sawn except as noted
in timber bill for pile caps.

All timber shall be cut to billed lengths and shapes
and shall be bored as shown before treating. All backing
plank are billed 6" king and are to be recut and fitted
in the field.

Rivets $\frac{3}{8}$ ", Holes $\frac{13}{16}$ " except in handrail where rivets
shall be $\frac{5}{8}$ ", holes $\frac{11}{16}$ ". Field connections shall be riveted, or if
the Contractor desires to eliminate all field riveting on this
project, he may use machine bolts except for the $\frac{5}{8}$ "
button head bolts specified for handrail. Heads and
nuts of machine bolts shall be American Standard Regular.

Paint: - Shop, none; Field, contact surfaces of bolted
field connections one coat of red lead and surfaces
inaccessible after erection three coats of red lead. No
other paint to be applied by the Contractor. Red lead required
shall be furnished by the Contractor. Payment for
cleaning and painting such surfaces will be included in
unit price bid for Fabricated Structural Steel.

Where joint filler is specified on plans it shall
conform with the requirements for Premoulded Material
for filler as given in section 38-13A(1)h of Standard Specifications.



Note: Bridge excavation will be allowed for all bents within the horizontal limits shown and noted on bent details. This excavation will be computed from existing ground line to bottom end of 6"x6" backing supports for end bents and to bottom of sway bracing for interior bents.

All bridge excavation will be paid for as Class 1 Excavation for structures.

*Drown Aug. 1954 by C.H.M.
Traced Aug. 1954 by S.W.S.
Checked Aug. 1954 by O.F.K.*

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

Sheet No. 1 of 3

B.M. #11 Elev. 292.99 N.S.W.R. 10" G.I. 35' Lt. Sta. 123+95

STATE ROAD FROM NAYLOR SOUTH TO ARKANSAS LINE
ABOUT 3.3 MILES S. OF NAYLOR

PROJECT NO. S-1271(1) SEC. A(SW) STA. 123+13.8

RIPLEY COUNTY

SUBMITTED BY J. A. Williams DATE 8/27/1954
BRIG. ENGINEER
APPROVED BY Rex M. Whitton DATE 8/27/1954
CHIEF ENGINEER

FINISHED

STD.CH10R3

P-677

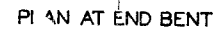
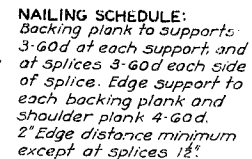
R. & L. T. 20-H10
Rev. July 1952

625

SUBSTRUCTURE TIMBER BILL

See A (3w) 19

Piece	No.	Size	Length	Remarks
Backing Plank	①	2	3"x12"	9'-5" Cut to length
"	②	10	3"x12"	17'-6"
"	③	4	3"x12"	15'-5"
"	④	2	3"x12"	9'-0"
"	⑤	2	3"x12"	19'-8"
"	⑥	2	3"x12"	13'-3"
"	⑦	2	3"x12"	10'-4"
"	⑧	2	3"x12"	17'-11"
"	⑨	2	3"x12"	9'-5"
"	⑩	2	3"x12"	14'-11"
"	⑪	2	3"x12"	13'-8"
"	⑫	2	3"x12"	20'-0"
Edge Support	4	3"x12"	13'-11"	Cut to length & shape
Shoulder Plank	2	3"x6"	2'-10 3/4"	"
"	2	3"x6"	3'-18"	"
Backing Support	4	6"x6"	4'-0"	"
"	4	6"x6"	5'-6"	"
"	8	6"x6"	6'-3"	"
Backing Support Cap	2	6"x6"	18'-10"	Cut to length
"	2	6"x6"	20'-11"	"
Pile Cap	2	12"x12"	27'-11 3/8"	"
"	2	9"x12"	27'-11 3/8"	"
Cap Support	4	3"x8"	27'-0"	"
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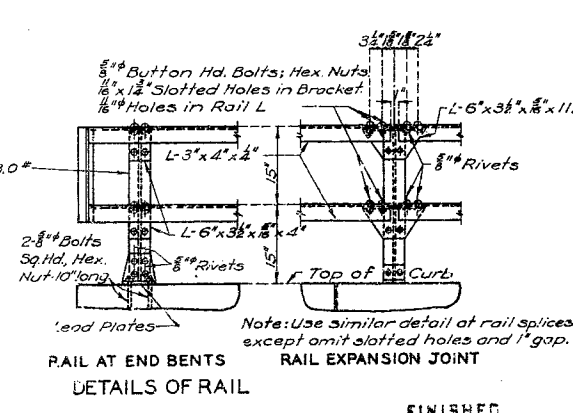
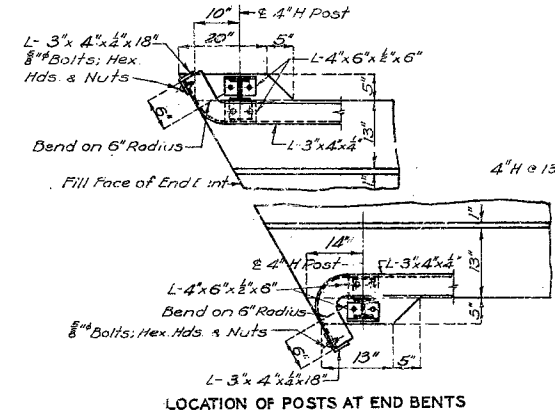
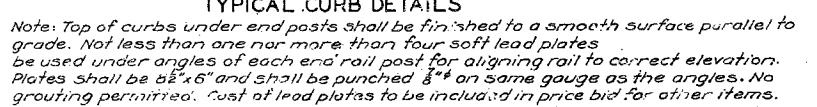
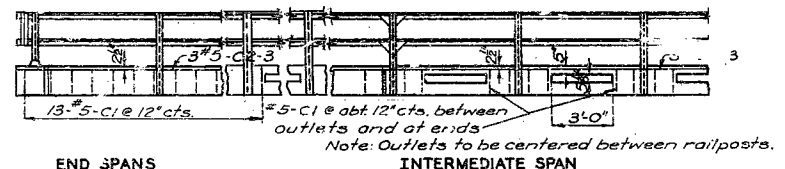
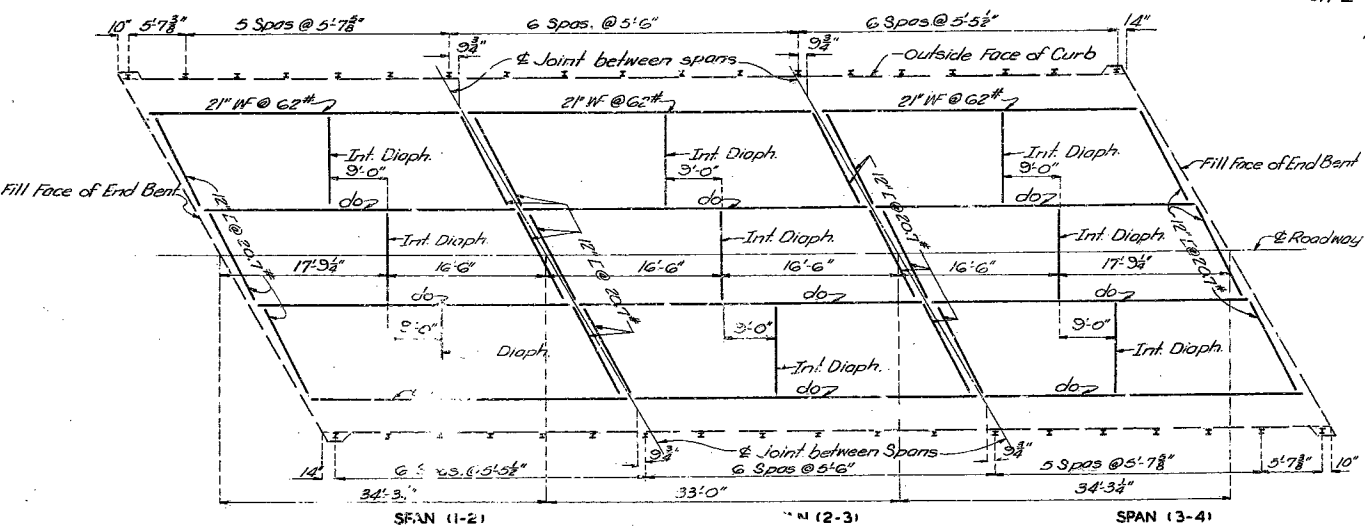
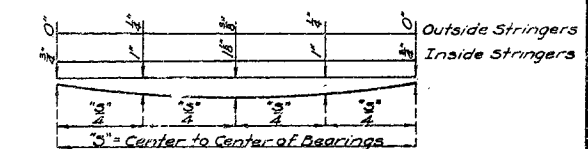
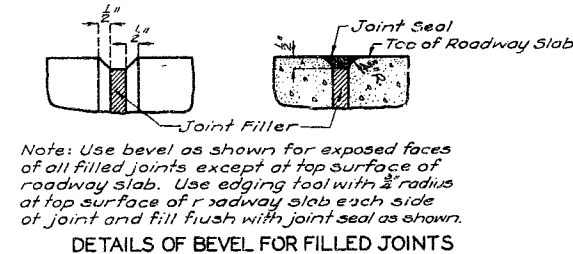
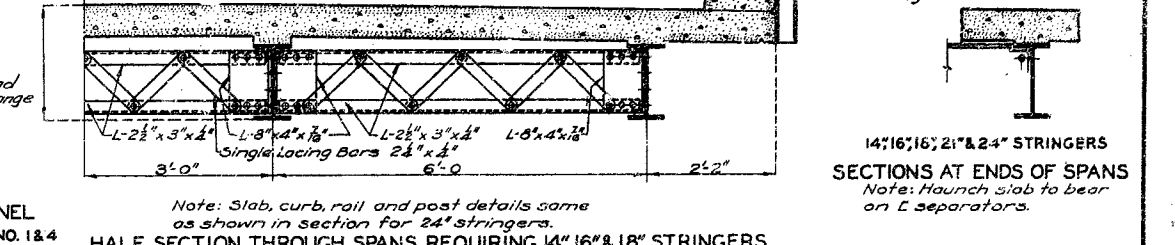
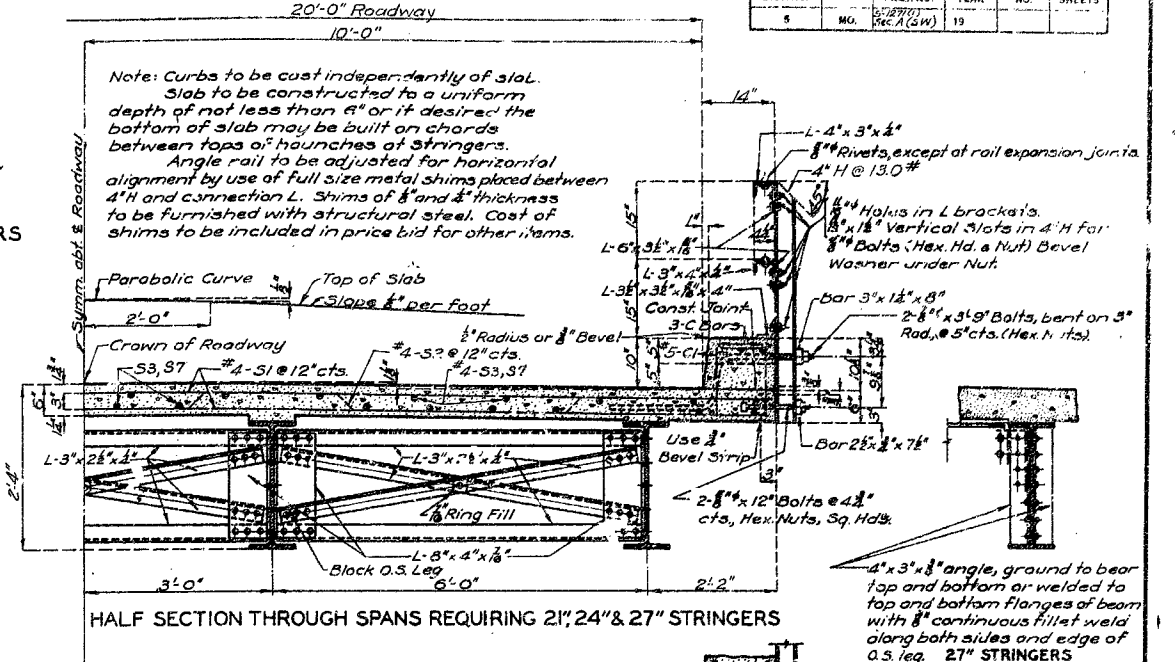
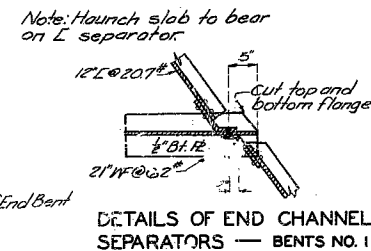
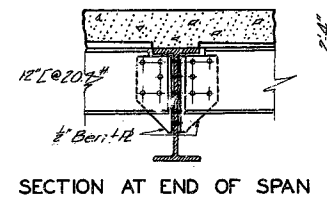
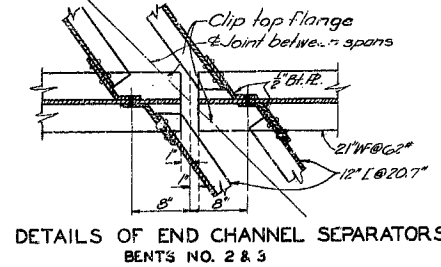
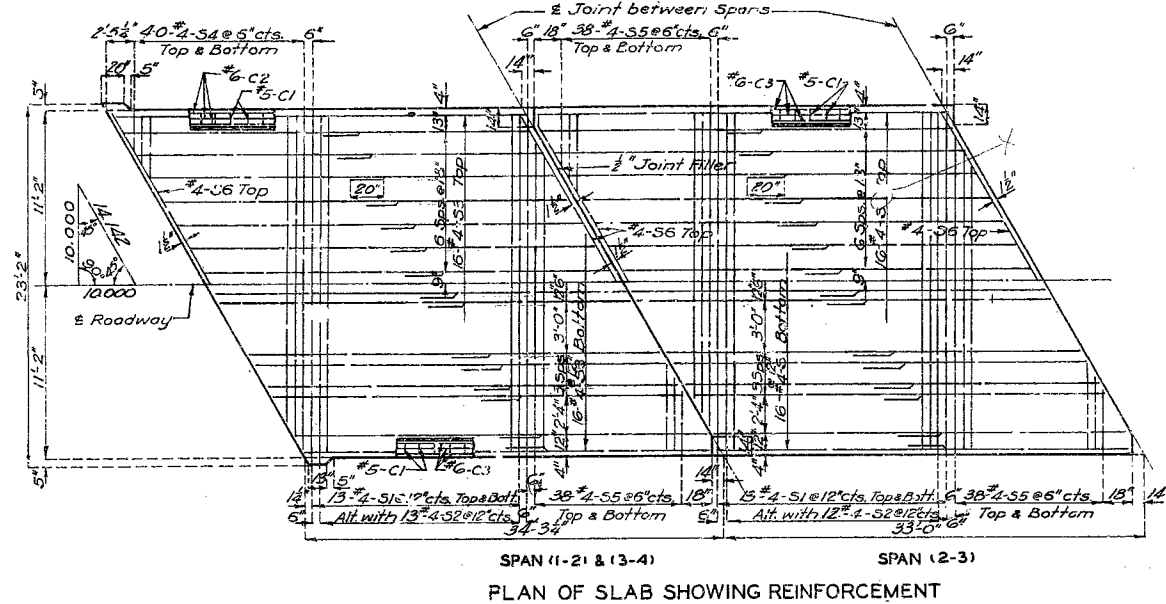
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R.T.-20'-HIG-4 Piles
Rev. Jan. 1952

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-127(1) SEC. A (SW)	19		

Note: Space dowel bars C1 at approximately 12" centers in curbs between outlets and at ends.



BRIDGE OVER DRAINAGE DITCH #3
STATE ROAD FROM NAYLOR SOUTH TO ARKANSAS LINE
ABOUT 3.3 MILES S. OF NAYLOR
PROJECT NO. S-127(1) SEC. A (SW) STA. 123+13.8
RIPLEY COUNTY

FINISHED

P-677

R-20-H10
Rev. Jan. 1951

Assembled Aug. 1954 by C.W.M. & J.V.3.
Checked A19 1954 by R.F.F.

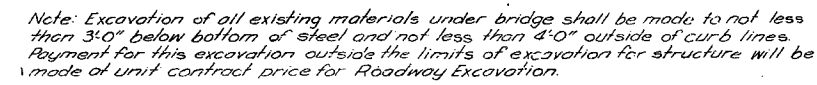
Note: This drawing is not to scale. Follow dimensions.

FINISHED
Sheet No. 3 of 3

FINISHED

530

135



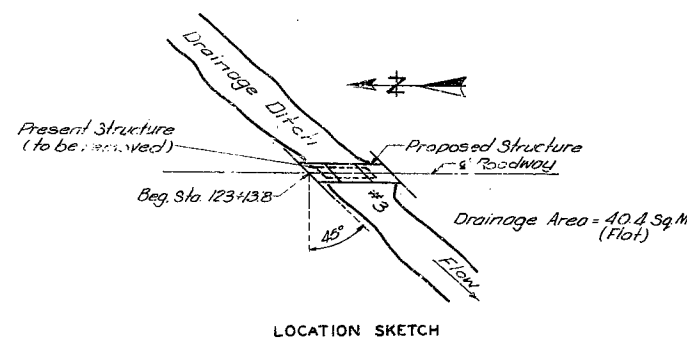
Note: All piling shall be creosoted timber. Estimated Quantities shown on plans are based on the following lengths: 8 @ 20'-0"; 8 @ 35'-0" and 8 @ 40'-0". These indicated lengths are approximate only. Proper lengths to give required bearing and for penetration will be authorized by the Engineer.

Two timber test piles shall be driven, one near Bent No. 1 and one near Bent No. 3.

All wing piles shall be driven to full penetration of lengths given on plans. Piles other than wing piles shall be driven to not less than the specified "Plan" capacities, and to the minimum penetrations noted; unless the pile lengths authorized and furnished fail to give "Plan" capacities in which cases not less than the "Computed" capacities shall be obtained.

GENERAL NOTES:

Design Specifications A.A.B.H.U.-1953
Loading H10-44.
Class "B" Concrete Stress 1000 [#]/sq
Reinforcing Steel Stress 18,000 [#]/sq
Structural Steel Stress 18,000 [#]/sq
Creosoted Timber Stress 1600 [#]/sq
All concrete shall be Class "B".
All timber shall be creosoted and shall be 1600 [#]/F
Douglas Fir of the West Coast Region or either Langleaf
or Langleaf 1600 [#]/F Southern Yellow Pine.
All timber shall be standard sawn except as noted
in timber bill for pile caps.
All timber shall be cut to billed lengths and shapes
and shall be bored as shown before treating. All boring
plank are billed 6" long and are to be recut and fitted
in the field.
Rivets $\frac{3}{4}$ ". Holes $\frac{13}{16}$ " except in handrail where rivets
shall be $\frac{5}{8}$ ", holes $\frac{11}{16}$ ". Field connections shall be riveted, or if
the Contractor desires to eliminate all field riveting on this
project, he may use machine bolts except for the $\frac{5}{8}$ "
button head bolts specified for handrail. Heads and
nuts of machine bolts shall be American Standard Regular.
Paint: Shop, none; Field, contact surfaces of bolted
field connections one coat of red lead and surfaces
inaccessible after erection three coats of red lead. No
other paint to be applied by the Contractor. Red lead required
shall be furnished by the Contractor. Payment for
cleaning and painting such surfaces will be included in
unit price bid for Fabricated Structural Steel.
Where joint filler is specified on plans it shall
conform with the requirements for Premixed Mortar
for filler as given in section 38-13A1, A 2 Standard Specifications



Note: Bridge excavation will be allowed for all bents within the horizontal limits shown and noted on bent details. This excavation will be computed from existing ground line to bottom end of 6"x6" backing supports for end bents and to bottom of sway bracing for interior bents.

All bridge excavation will be paid for as class 1 excavation for structures.

FINISH

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

Sheet No. 1A of 1.

B.M. #11 Elev. 292.99 NLS. V.R. C' Gum 35 Lt. Stg. 123+135

BRIDGE OVER DRAINAGE DITCH #3

STATE ROAD FROM NAYLOR SOUTH TO ARKANSAS LINE
ABOUT 3.3 MILES S. OF NAYLOR
PROJECT NO. S-1271(1) SEC. A(SW) STA. 123+13.8


RIPLEY COUNTY

SUBMITTED BY J. A. Williams DATE 8/27/1954
BRIDGE ENGINEER
APPROVED BY Geo M. Whitton DATE 8/27/1954
CHIEF ENGINEER

FINISHED
STD. C110R3
P-677

FINAL PLAS


R. & L. T. 20-H10
Rev. July 1952

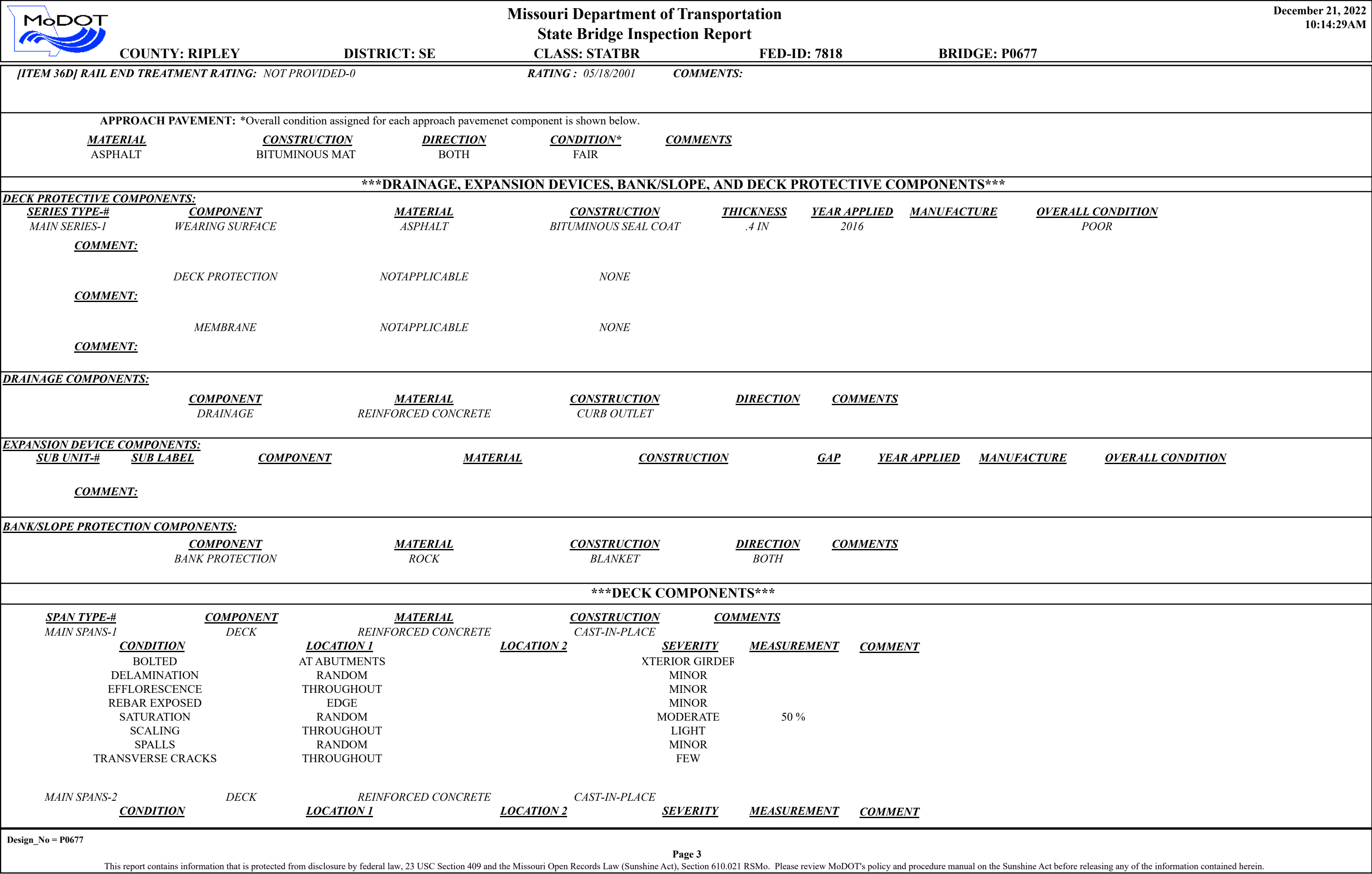
		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 21, 2022</div> <div>10:14:29AM</div>			
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 7818		BRIDGE: P0677	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: RTWS</div> <div>FEATURE: DTCH NO 3</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 2.389</div> <div>DETOUR: 99.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1954</div> <div>REHAB:</div> <div>LOCATION: S 26 T 22 R 4 E</div> <div>LATITUDE: 36 31 44.28 (DMS)</div> <div>LONGITUDE: 90 36 43.00 (DMS)</div>		<div># SPANS: 3</div> <div>LANES ON: 2</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: NORTH to SOUTH</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: RL-MAJOR COLLECTOR</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: SE</div> <div>MAINTENANCE COUNTY: RIPLEY</div> <div>SUB AREA: 7H12</div>		<div>PLACE CODE: 72970 THOMAS</div> <div>LENGTH: 102 FT 0 IN</div> <div>MAXIMUM SPAN: 33 FT 0 IN</div> <div>APPROACH ROADWAY: 18 FT 0 IN</div> <div>CURB TO CURB: 20 FT 0 IN</div> <div>OUT TO OUT: 22 FT 4 IN</div> <div>AADT: 270</div> <div>AADT YEAR: 2021</div> <div>AADT TRUCK: 5.3%</div> <div>FUTURE AADT: 378</div> <div>FUTURE AADT YEAR: 2041</div>		<div>DATE: 01/26/2022</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 12</div> <div>CALCULATED INTERVAL**: 12</div> <div>TEAM LEADER: ED HESS</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2:</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						<div>GENERAL INSPECTION COMMENTS</div>			
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
<div>FRACTURE CRITICAL INSPECTION COMMENTS</div>					<div>INDEPTH INSPECTION COMMENTS</div>				
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE: 06/15/2021</div> <div>FREQUENCY: 48</div> <div>TEAM LEADER: JERROD JERNIGAN</div> <div>INSPECTOR 2: ADAM ZENTZ</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 48</div> <div>INSPECTOR 3: ED HESS</div> <div>INSPECTOR 4: TERRY WILSON</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
<div>SPECIAL INSPECTION COMMENTS</div>					<div>UNDERWATER INSPECTION COMMENTS</div>				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div> <div>05/05/2017</div> <div>999</div> <div>SCOUR ACTION PLAN</div> <div>NO</div> <div>DISTRICT</div> <div>VISUAL</div>					<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				

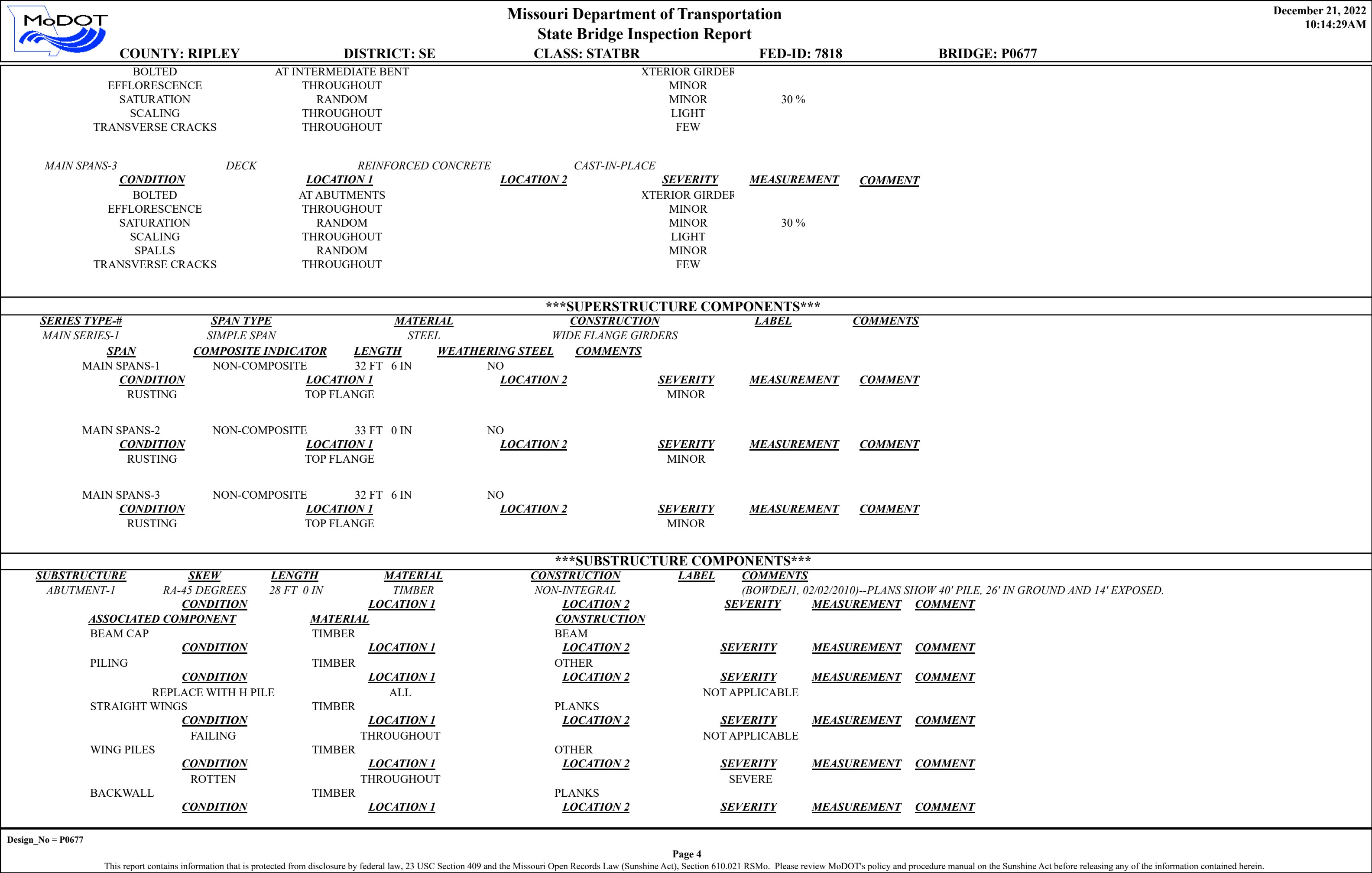
Design_No = P0677

Page 1

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

		Missouri Department of Transportation			December 21, 2022	
		State Bridge Inspection Report			10:14:29AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR	FED-ID: 7818	BRIDGE: P0677
STRUCTURE POSTING						
APPROVED CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (HESSE, 04/02/2010)--(32'-33'-32') SMP WF GDR SPANS						
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (DENNIB1, 01/14/2020)--T-CRACKS W/ EFF. & 50% SATURATION				
RATING : 01/14/2020						
[ITEM 59] SUPER: 6-SATISFACTORY CONDITION		COMMENTS: (SHRUBM1, 03/05/2012)--MINOR RUSTING				
RATING : 01/25/2016						
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (SHRUBM1, 03/05/2012)--PILE SPLICES				
RATING : 03/02/2010		(BRAWLK1, 01/31/2022)--22' MEASURED FROM TOP OF RAIL TO STREAM BED AT BENTS #2 & #3.				
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE		COMMENTS: (BLALOR1, 01/09/2013)--MINOR EROSION OF BENT				
RATING : 01/16/2014						
[ITEM 113] SCOUR: 4-STABLE-CORR ACT NEEDED		COMMENTS: (BLALOR1, 01/09/2013)--CHANNEL BOTTOM HAS BEEN LOWERED BY DREDGING AND EXPOSED PILE SPLICES, BUT SPLICES ARE STILL STABLE.				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: SIGNIFICANT DELAY APPRCH		COMMENTS:				
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 02/24/2004		COMMENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
REINFORCED CONCRETE	CURB	BOTH				
STEEL	ANGLE-DOUBLE	BOTH				
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>		
COLLISION DAMAGE	RANDOM		MODERATE	(RACKEM, 06/14/2011)--SE CORNER.		
RUSTING	THROUGHOUT		MODERATE			
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
Design_No = P0677						
Page 2						
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.						







Missouri Department of Transportation

State Bridge Inspection Report

December 21, 2022
10:14:29AM

COUNTY: RIPLEY

DISTRICT: SE

CLASS: STATBR

FED-ID: 7818


BRIDGE: P0677


SHOVING			THROUGHOUT		MODERATE		
BENT-2	RA-45 DEGREES	28 FT 0 IN	TIMBER	PILE CAP			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
	BEAM CAP		TIMBER	BEAM			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	DECAYING		ENDS		MINOR		
PILING			TIMBER	OTHER			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	REPLACE WITH H PILE		ALL		NOT APPLICABLE		
	CROSS BRACING		TIMBER	PLANKS			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3	RA-45 DEGREES	28 FT 0 IN	TIMBER	PILE CAP			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
	BEAM CAP		TIMBER	BEAM			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	DECAYING		ENDS		MINOR		
PILING			TIMBER	OTHER			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	REPLACE WITH H PILE		ALL		NOT APPLICABLE		
	CROSS BRACING		TIMBER	PLANKS			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-4	RA-45 DEGREES	28 FT 0 IN	TIMBER	NON-INTEGRAL			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
	BEAM CAP		TIMBER	BEAM			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
			TIMBER	OTHER			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	REPLACE WITH H PILE		ALL		NOT APPLICABLE		
STRAIGHT WINGS			TIMBER	PLANKS			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
WING PILES			TIMBER	OTHER			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BACKWALL			TIMBER	PLANKS			
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	SHOVING		THROUGHOUT		MINOR		

OVER/UNDER ROUTES CLEARANCE INFORMATION

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

<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>
---	---------------------	-------------------------	--------------------	-----------------------

		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 21, 2022</div> <div>10:14:29AM</div>							
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 7818		BRIDGE: P0677					
<div><div><div>CLEARANCES UNDER BRIDGE</div><div><div>RECORD #</div><div>ROUTE</div><div># LANES</div><div>DIRECTION OF TRAFFIC</div><div>RIGHT LATERAL CLEARANCE</div><div>LEFT LATERAL CLEARANCE</div><div>UR-ID</div></div></div><div><div>VERTICAL CLEARANCE TYPE**</div><div>VALUE</div><div>DIRECTION</div><div>DATE</div><div>COMMENT</div></div></div> <div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div>													
STRUCTURE PAINT INFORMATION													
CONDITION: FAIR		RUST AMOUNT : 8=.1% OF SURFACE RUSTED			STEEL TONS : 19								
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>			<u>DEPARTMENT REPAINT</u>								
PAINT TYPE :		PAINT TYPE :			PAINT TYPE : C SYSTEM			MANUFACTURE :					
NAME :		NAME :			NAME : INORGANIC ZINC/VINYL			SURFACE PREP :					
PAINT COLOR :		PAINT COLOR :			PAINT COLOR : GREEN								
PAINT YEAR : 1954		PAINT YEAR :			PAINT YEAR : 1982								
MILS : 6		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													
<u>YEAR</u>		<u>PROJECT #</u>		<u>MONTH LET</u>		<u>YEAR LET</u>		<u>ITEMS</u>		<u>COMMENT</u>			
2025		9S3848		0		2025		REPLACE BRIDGE					
Design_No = P0677													
<div>Page 6</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>													

			Missouri Department of Transportation		December 21, 2022	
			State Bridge Inspection Report		10:14:29AM	
COUNTY: RIPLEY			DISTRICT: SE		CLASS: STATBR	
			FED-ID: 7818		BRIDGE: P0677	
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS			***ADVANCED SIGN INFORMATION***			
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.			SIGN #			
			SIGN TYPE			
			PROBLEM			
			PROBLEM DIRECTION			
<u>Rated Item</u>						
<u>Rating</u>						
<u>Rating Date</u>						
[Item 67] Structure Evaluation Rating:			4-MEETS MINIMUM TOLERABLE			
[Item 68] Deck Geometry Rating:			4-MEETS MINIMUM TOLERABLE			
[Item 69] Underclearance:			N-NOT APPLICABLE			
Sufficiency Rating:			27.7%			
Deficiency:			STRUCTURAL			
Funding Eligibility:			----			
Estimated New Structure Length:			----			
Estimated Structure Cost:			----			
Estimated Total Project Cost:			----			
Year of Cost Estimate:			----			
NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.						
			OUTFALL INSPECTION INFORMATION			
			# OUTFALLS:			
			INSPECTOR:			
			STATUS:			
			DATE:			
			NOTES:			



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

December 21, 2022
10:09:23am

COUNTY : RIPLEY BRIDGE : P0677 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 9/1/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	SE	5B	Route Signing Prefix	MO
3	County	RIPLEY	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	7818	5D	Route Number	0000W
27	Year Built	1954	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	RT W S
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	07-RURAL MAJOR COLLECTOR
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE NOT A DEFENSE HWY
112	NBIS Bridge Length	YES	104	National Highway System	NOT ON NHS
			105	Federal Lands Highway	NOT APPLICABLE
			110	Designated Nat. Network	NO
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	THOMAS	29	AADT	270
	Code	72970	30	AADT Year	2021
9	Location	S 26 T 22 N R 4 E	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	2.40 miles	109	AADT Truck Percent	5%
16	Latitude	36 D 31 M 44 S	114	Future AADT	378
17	Longitude	90 D 36 M 43 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	DTCH NO 3	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	124.38 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	18 Ft. 1 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	45.00 Degrees
54B	Vert. Clearance	0 Ft. 0 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	N/A	47	Total Horiz. Clear	20 Ft. 0 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	33 Ft. 2 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	102 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ	50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	20 Ft. 0 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	22 Ft. 4 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = P0677 and Inventory_Appraisal_Submittal_Year = 2022



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

December 21, 2022
10:09:23am

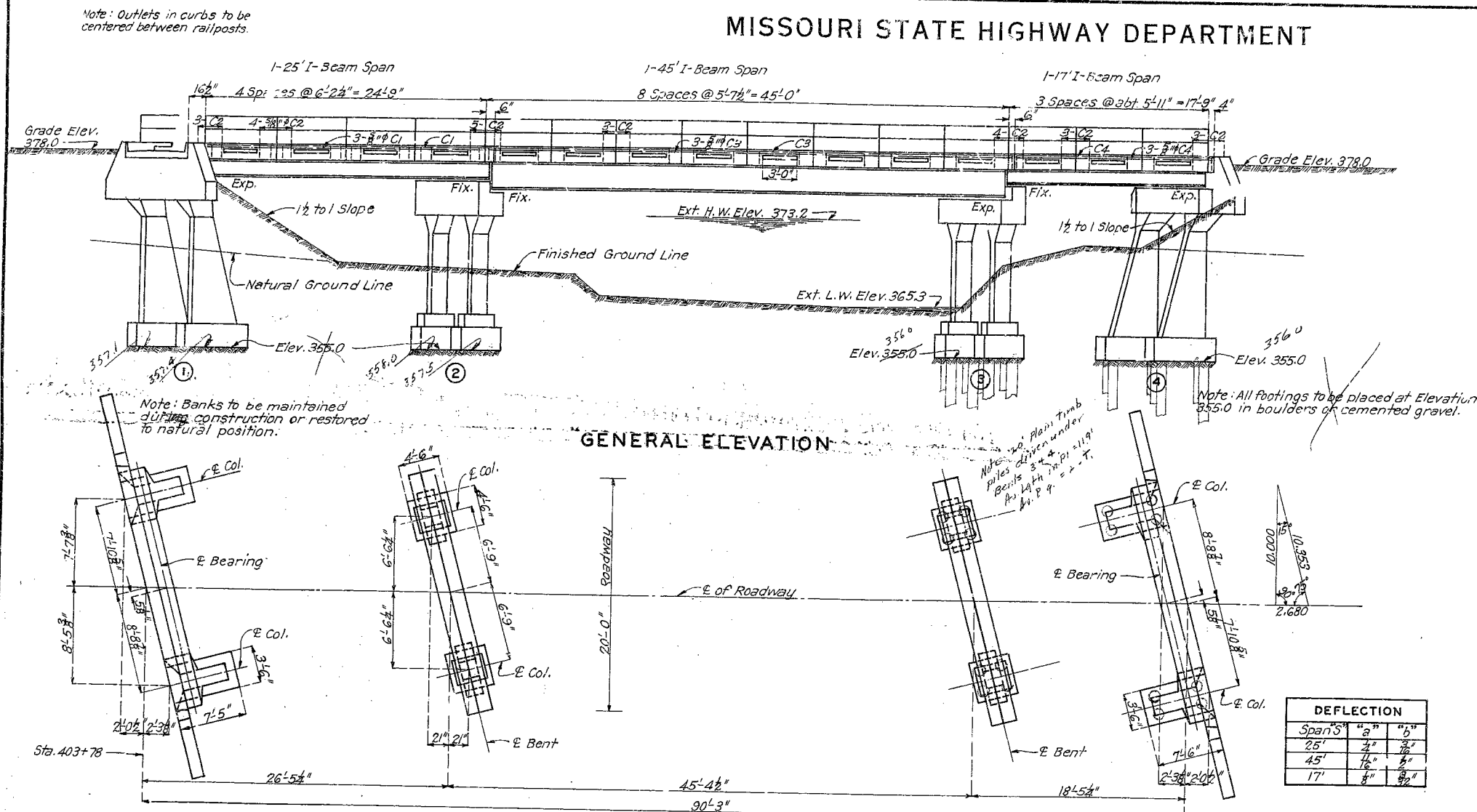
COUNTY : RIPLEY BRIDGE : P0677 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 9/1/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	STEEL
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	3
64	Operating Rating	25 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	14 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	20.0-29.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 27.7 Percent			108B	Membrane Mat/Constr.	0 NONE
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility FULL			CONDITION RATING INFORMATION		
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	58	Deck Cond. Rating	4
75B	Work Done By	Contract	59	Superstructure Cond. Rating	6
76	New Struc Length	131 Ft. 3 In.	60	Substructure Cond. Rating	5
94	Struc Improve Cost	\$ 681,000	61	Channel /Channel Protection Cond. Rating	5
95	Roadway Improve Cost	\$ 68,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 1,022,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	1 / 22
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	12 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	4	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	4	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	4	98	Neighboring State Code	
72	Approach Road App. Rating	8	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	4	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-7			Field Posting Category S-7		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign 17			Tonnage Values for Posting Sign 17		
General Text for Posting Sign			General Text for Posting Sign		
TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.			TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.		

Design_No = P0677 and Inventory_Appraisal_Submittal_Year = 2022

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED AID PROJ NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
5	MO.	N.R.S. 400A (SB)	19		



BILL OF REINFORCING STEEL (SUPERSTP)					
No.	Size	Length	Mark	Location	Bending Sketch and Cutting Diagrams.
10	3/8"	26'-0"	C1	Curb	<p>20' 0" 2'-0" 2'-0" 19'-0" 2'-0"</p> <p>11-S3, CUT 66 BARS</p>
8	3/8"	2'-0"	C2	"	
16	3/8"	23'-9"	C3	"	
8	3/8"	18'-3"	C4	"	
320	3/8"	20'-9"	S1	Slab	
26	3/8"	26'-9"	S2	"	
66	3/8"	22'-6"	S3	"	
12	3/8"	21'-9"	S4	"	
52	3/8"	23'-6"	S5	"	<p>2" 10 1/2" 2"</p> <p>C2</p>
26	3/8"	18'-3"	S6	"	

Note: Dimensions given are along center line of bars and are for computed lengths.
This bill of reinforcing steel is not complete. For bill of reinforcing steel for substructure see Sheet #2 of 4.

GENERAL NOTES:

Loading: One 10 Ton Truck, 80% of weight on rear axle, 55% impact,
14'-0" wheel base, 6'-0" gage, 10" tire.

Exposed edges to be beveled $\frac{3}{4}$ " where no other bevel is noted.
Concrete in slabs and curbs to be 1:2:3½ mix, Class "X". All other
concrete to be 1:2:4 mix, Class "B".

DEFLECTION		
Span "S"	"a"	"b"
25'	$\frac{1}{4}$ "	$\frac{3}{16}$ "
45'	$\frac{1}{16}$ "	$\frac{1}{8}$ "
17'	$\frac{1}{8}$ "	$\frac{9}{32}$ "

I-Beams with fastenings, spacers, handrail, handrail posts with fastenings
will be paid for as structural steel. Cost of metallic edge moulding will be included in unit bid price for concrete.
Rivets $\frac{3}{8}$ " holes $\frac{13}{16}$ " except in handrail where rivets shall be $\frac{5}{16}$ " holes $\frac{11}{16}$ ". Field connections riveted except as noted.

Detail shop drawings shall be submitted to the State Highway Department in duplicate and shall be approved before steel is fabricated.

Where rubber compound is specified on plans for use in partition and expansion joints, the premoulded joint shall be securely stitched to one face of concrete with copper wire. See Special Provisions in regard to permissible substitutions of beams and basis of payment.

Bridge excavation in accordance with Section I of Standard Specifications issued April 1, 1930, except that quantities paid for will be computed from extreme low water, Elev. 365.3, where existing ground line is below this elevation.

Paint: Shop, none; Field, contact surfaces of bolted field connections one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint to be applied by contractor. All paint required will be furnished by the Missouri State Highway Department. See Special Provisions.

BRIDGE OVER HARRIS CREEK

STATE ROAD FROM DONIPHAN TO JXLY

ABOUT 2.5 MILES WEST OF OXLY

PROJECT NO. N.R.S. 400A (SB) STA. 403 + 78

RIPLEY COUNTY

SUBMITTED BY W.R. Jank DATE 5/4/33
BRIDGE ENGINEER
APPROVED BY T.H. Cutler DATE 5/4/33
CHIEF ENGINEER

Sheet No. 1 of 5. F.A.

S-814

LOCATION SKETCH

Drawn Jan. 1931 By R.J.G.
Traced Feb. 1931 By R.J.G. Assembled April 1933 By J.G. & R.J.G.
Checked Feb. 1931 By J.M. Checked May 1933 By RAB.

REVISIONS REQUIRED

SEE SHEET NO. 5 OF 5 FOR THE FOLLOWING ITEMS:

- (1) Type of Handrail.
- (2) Width of Curb.
- (3) Type of Diaphragms.

Note: Details on any other sheet conflicting with those shown on Sheet No. 5 are **VOID**.

DEAD LOAD DEFLECTION DIAGRAM

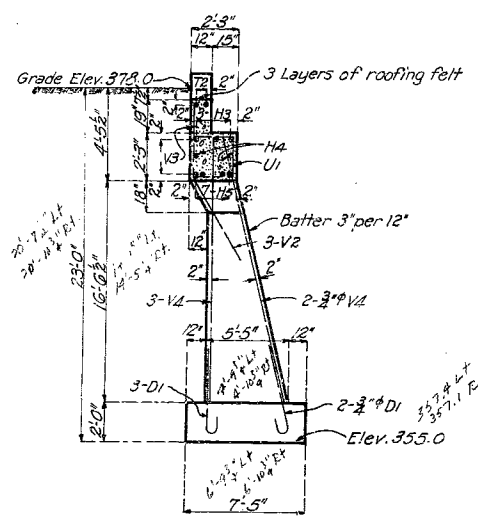
FINAL QUAN.	ESTIMATED QUANTITIES			
	ITEM	SUPERSTR.	SUBSTR.	TOTAL
72.5	Excavation Class 1 Cu. Yds.		58	58
219.0	Excavation Class 2 Cu. Yds.		203	203
59.2	Concrete 1:2:4 mix, Class "B" Cu. Yds.		56.1	56.1
44.3	Concrete 1:2:28 mix, Class "X" Cu. Yds.	44.3		44.3
34,730	Fabricated Structural Steel Lbs.	35630		35630
16,850.	Reinforcing Steel Lbs.	11230	5620	16850
194	Plain Timb. Piles Lin. Ft.			
131	Pile Cut-offs "			
25	Timb. Test Pile "			
A-218 0-16.9	Heating Conc. Cu. Yds.			

Bridge Excavation above Elev. 366.0 will be paid for as Class 1 Bridge Excavation.
Bridge Excavation below Elev. 366.0 will be paid for as Class 2 Bridge Excavation.

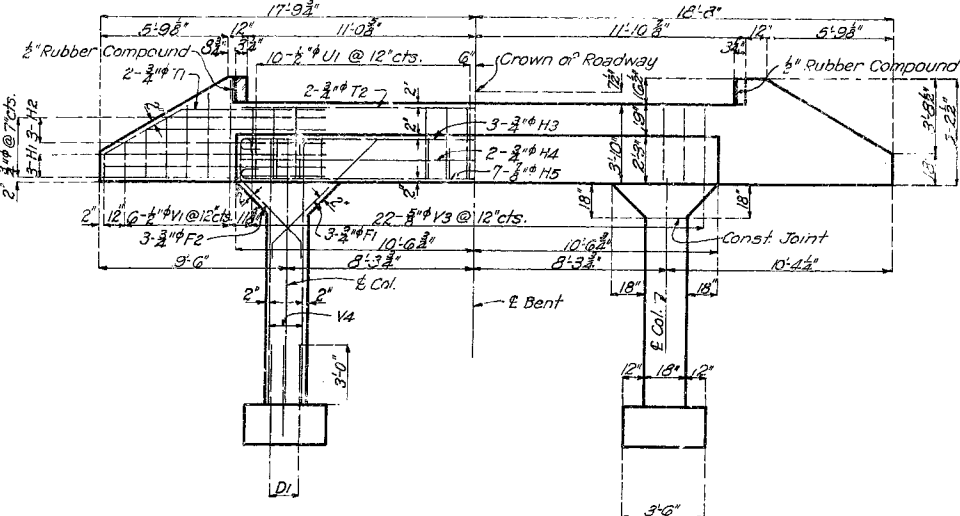
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MISSOURI STATE HIGHWAY DEPARTMENT

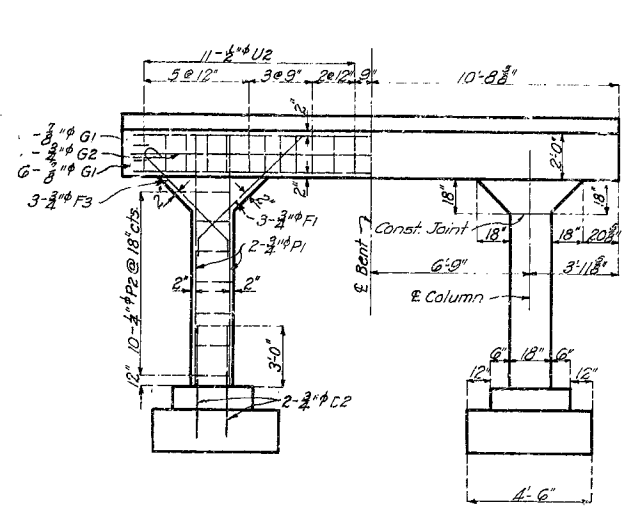
FED. ROAD DIST. NO.	STATE	F.D. AID PROJ. NO.	FISC. Y.L.	SHEET NO.	TOTAL SHEETS
5	MO.	11-2-3 400A(5B)	19		



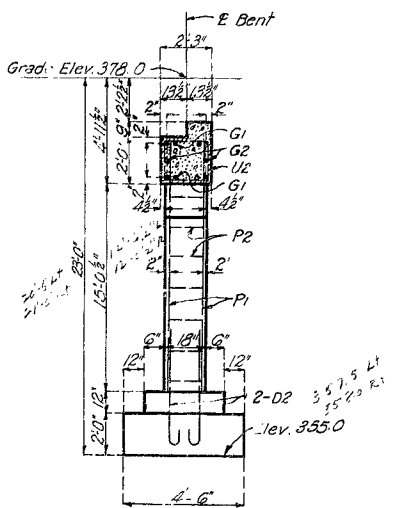
SECTION AT C



ELEVATION



ELEVATION

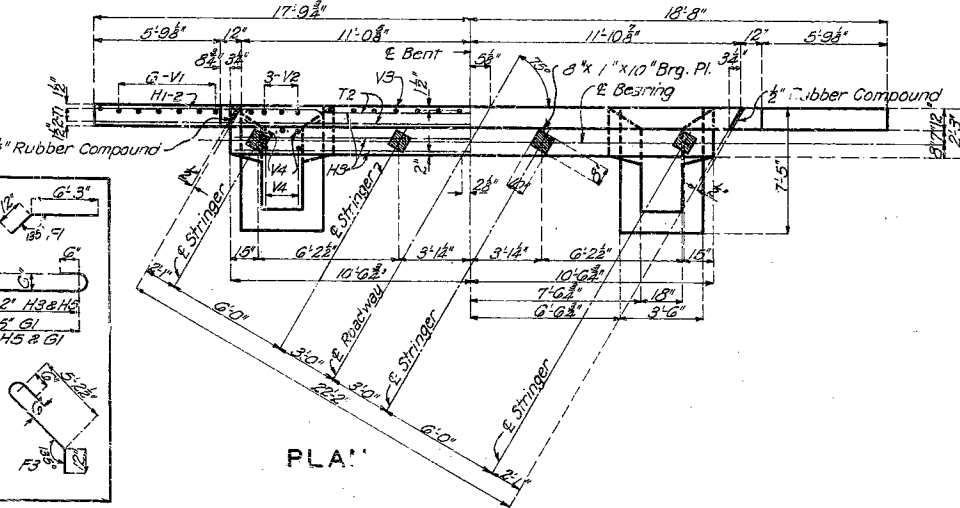


SECTION AT C

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

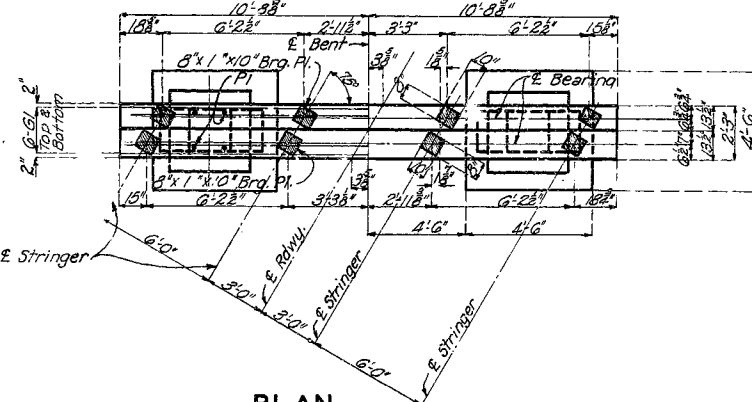
BILL OF REINFORCING STEEL-SUBSTRUCTURE					
No.	Size	Length	Mark	Location	Bending Sketches and Cutting Diagrams
Bents No. 1 & 2					
20	3/4"	5'-3"	D1	Footings	
12	3/4"	7'-3"	F1	Haunches	
12	3/4"	7'-3"	F2	Haunches	
12	3/4"	10'-6"	H1	Wings-Bt#1	
6	3/4"	18'-0"	H2	Wings-Bt#1	
6	3/4"	22'-9"	H3	Wings-Bt#1	
4	3/4"	20'-9"	H4	Wings-Bt#1	
13	3/4"	22'-9"	H5	Wings-Bt#1	
4	3/4"	12'-0"	T1	Backwall	
4	3/4"	21'-6"	T2	Backwall	
4	3/4"	11'-3"	T3	Wings-Bt#2	
40	3/4"	3'-0"	U1	Beam	
6	3/4"	7'-0"	V1	Wings-Bt#1	
12	3/4"	7'-6"	V2	Columns	
22	3/4"	3'-6"	V3	Backwall-Bt#1	
10	3/4"	18'-6"	V4	Columns-Bt#1	
5	3/4"	6'-6"	V5	Wings-Bt#2	
23	3/4"	3'-3"	V6	Backwall-Bt#2	
10	3/4"	18'-0"	V7	Columns-Bt#2	
Bents No. 2 & 3					
16	3/4"	6'-3"	D2	Footings	
12	3/4"	7'-3"	F1	Haunches	
12	3/4"	7'-6"	F3	Beam	
24	3/4"	23'-0"	G1	Columns	
4	3/4"	21'-0"	G2	Columns	
16	3/4"	10'-9"	P1	Columns	
40	3/4"	6'-0"	P2	Columns	
44	3/4"	8'-6"	U2	Beams	
43	3/4"	21'-9"	P3	Bt. No. 3	

Note: Dimensions given are along centerline of bar and are for computed lengths.
Reinforcing bars 3/4" or over in diameter, which are bent to an angle greater than 90° shall be of structural grade.
For Bill of Reinforcing Steel in Superstructure see Sheet No. 1.



PLAN

DETAILS OF END BENT NO. 1



PLAN

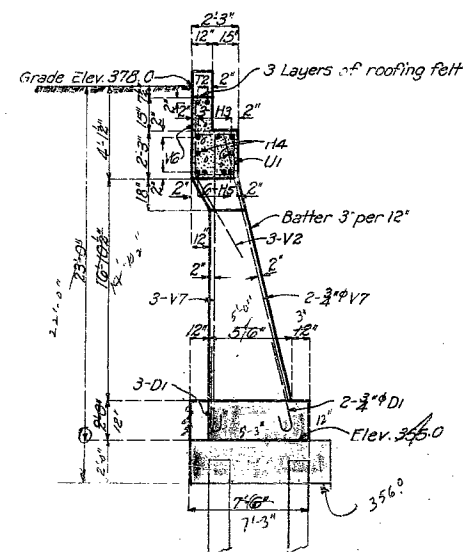
DETAILS OF INT. BENT NO. 2

BRIDGE OVER HARRIS CREEK
STATE ROAD FROM DONIPHAN TO OXLEY
ABOUT 2.5 MILES WEST OF OXLEY
PROJECT NO. N.R.S. 400A(5B) STA. 403+78
RIPLEY COUNTY

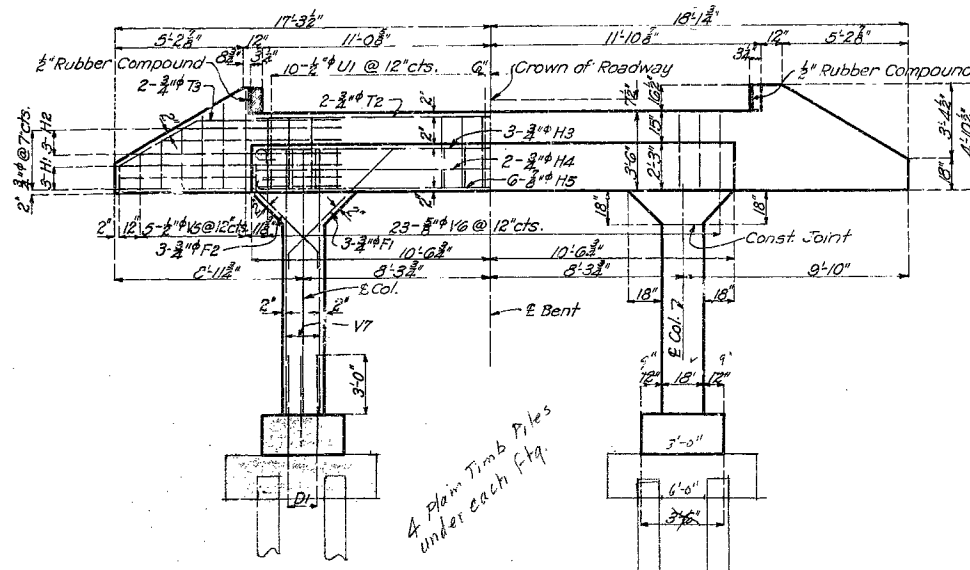
Assembled April 1933 By N.W.P.-G.W.
Checked May 1933 By R.A.B.
Drawn April 1932 By R.J.G.
Checked Aug. 1932 By P.H.3

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	1778	1933	19	

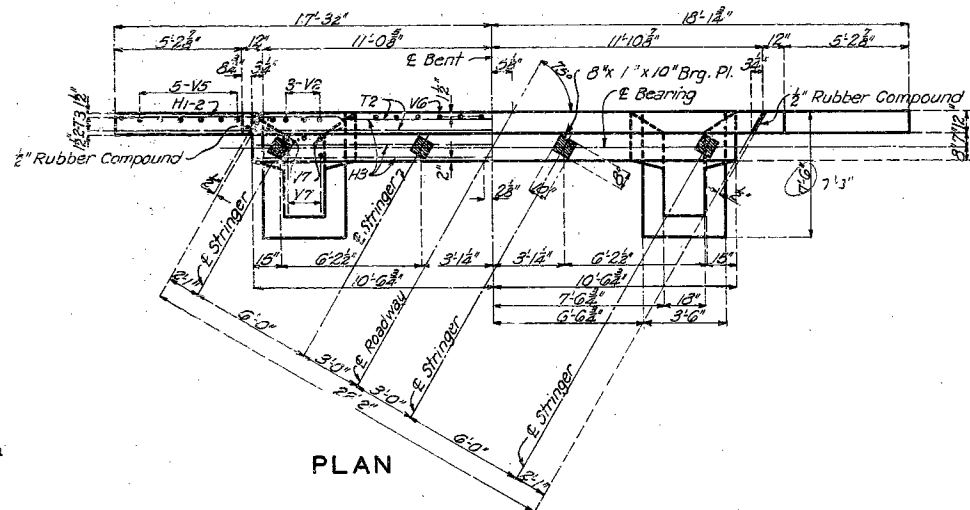


SECTION AT C



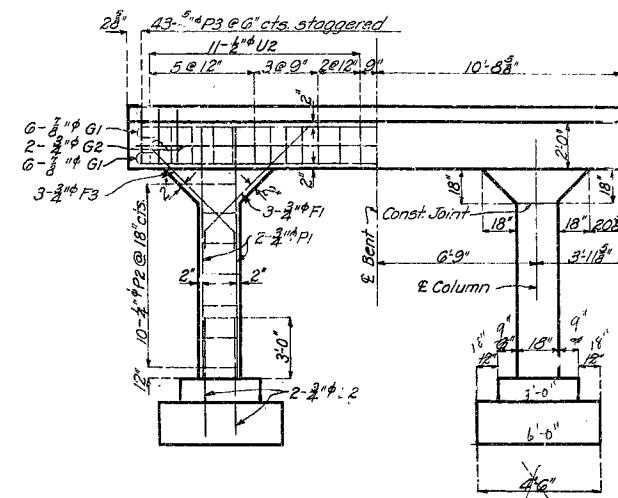
ELEVATION

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

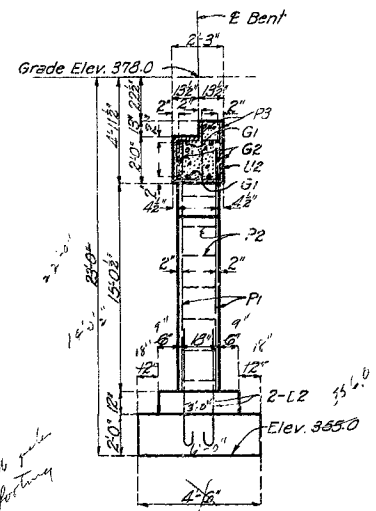


PLAN

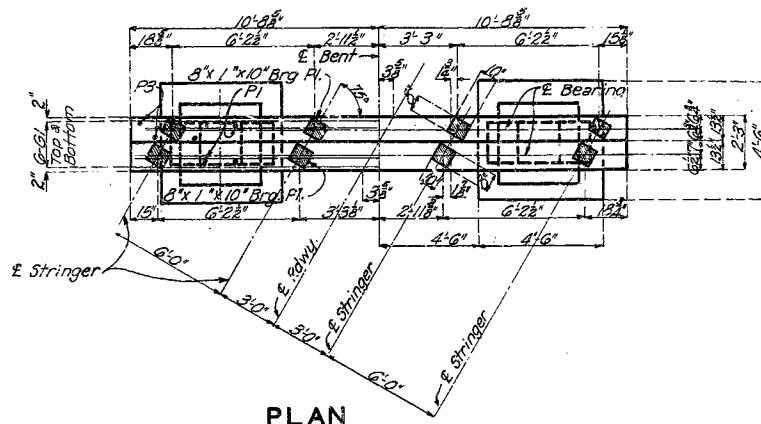
DETAILS OF END BENT NO. 4



ELEVATION



SECTION AT D



PLAN

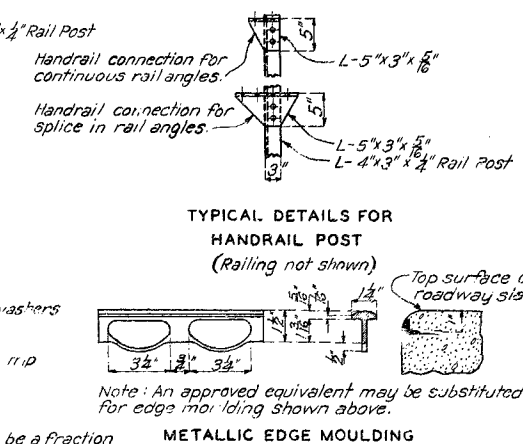
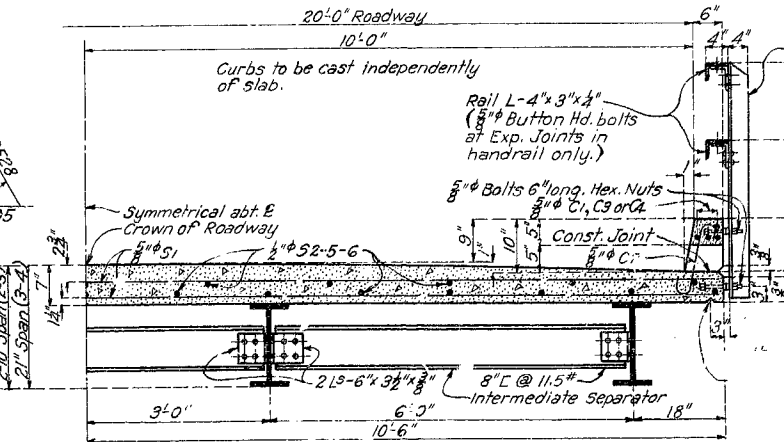
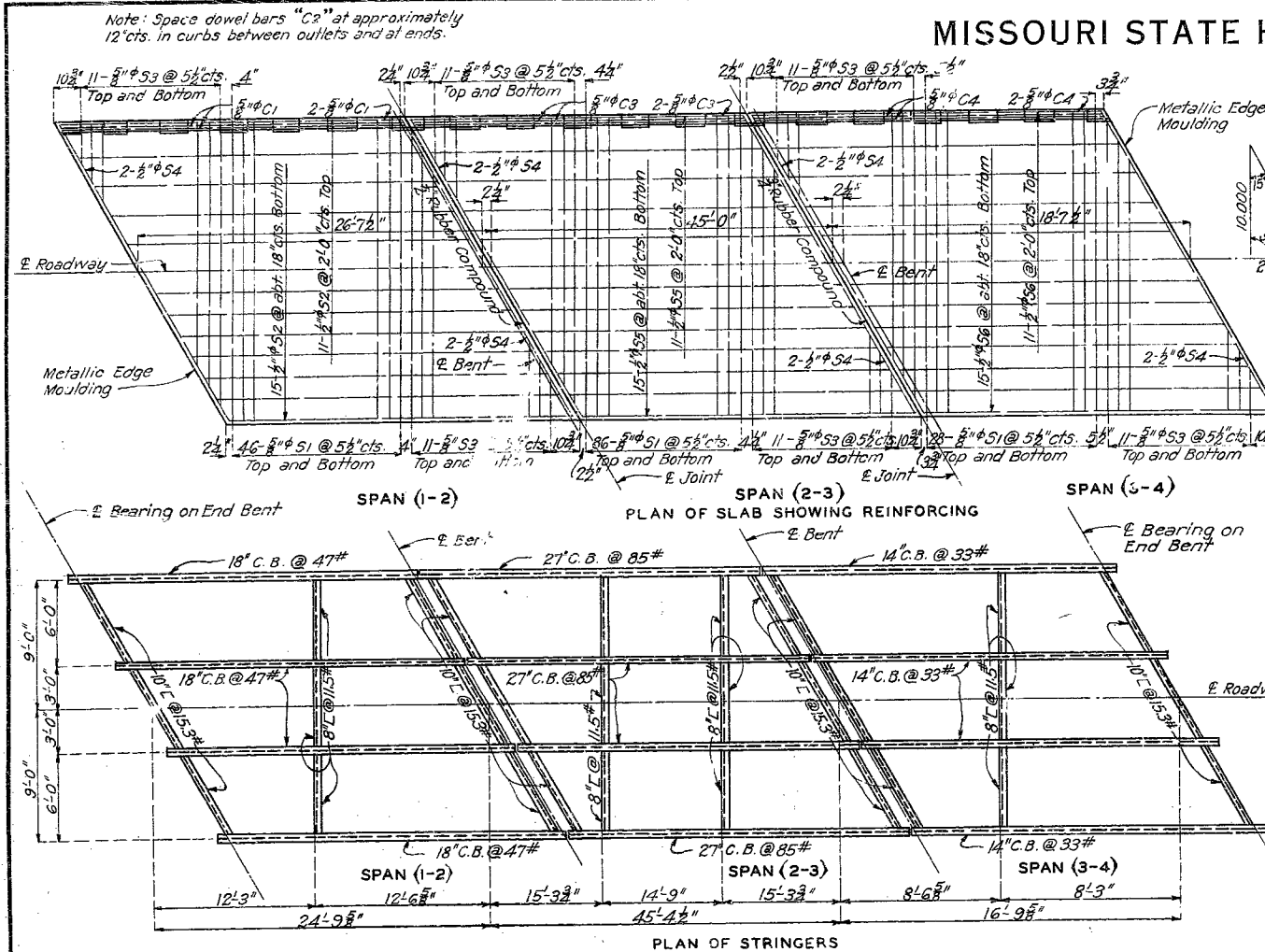
DETAILS OF INT. BENT NO. 3

BRIDGE OVER HARRIS CREEK

STATE ROAD FROM DONIPHAN TO OXLY
ABOUT 2.5 MILES WEST OF OXLY
PROJECT NO. N.R.S. 400A (S3) STA. 403 + 78
RIPLEY COUNTY

MISSOURI STATE HIGHWAY DEPARTMENT

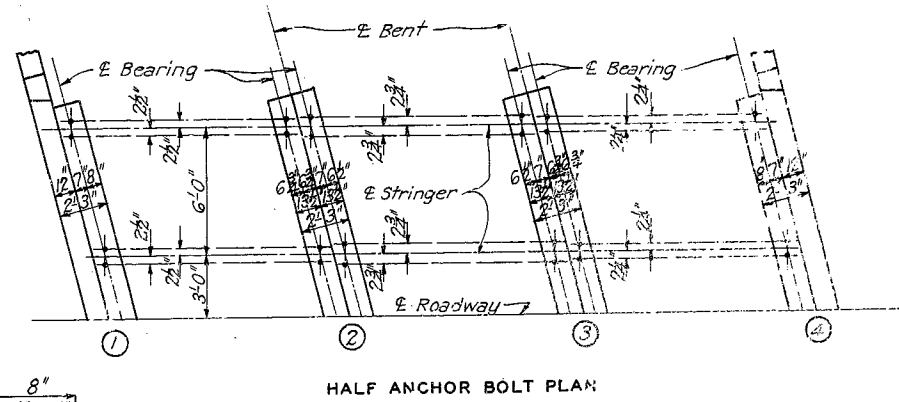
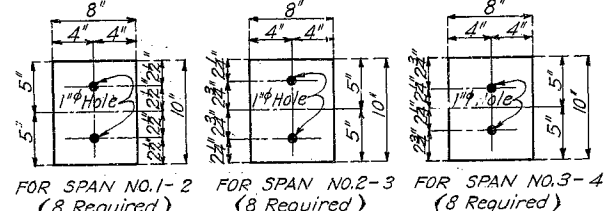
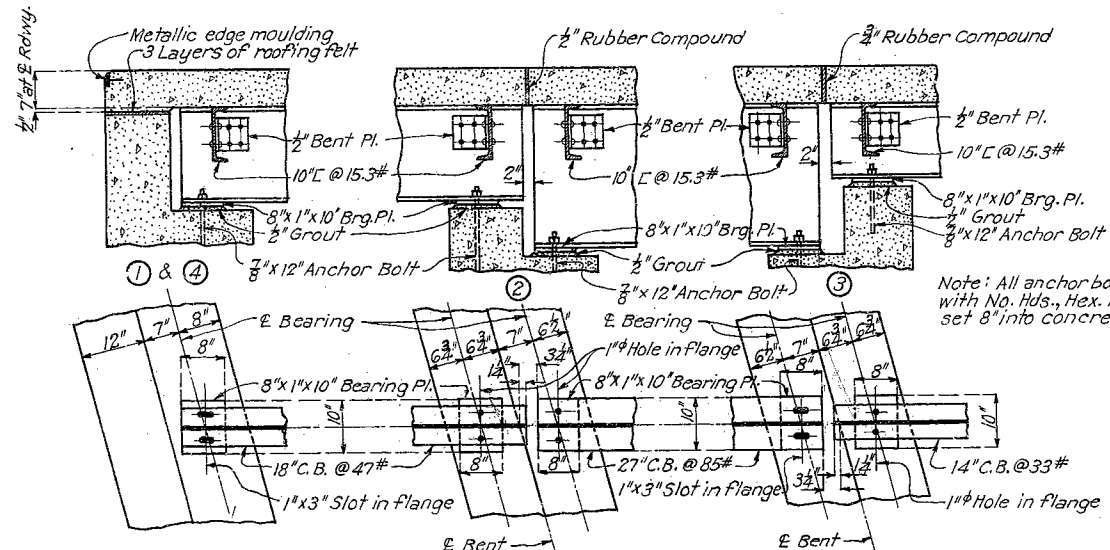
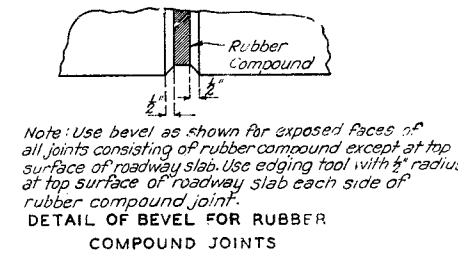
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	10001 (58)	19		



PERMISSIBLE BEAM SUBSTITUTIONS

Span	Bethlehem Beams		Standard I-Beams	
	Inside	Outside	Inside	Outside
17'	14" @ 33#	14" @ 33#	15" @ 42.9#	15" @ 42.9#
25'	18" @ 47#	18" @ 47#	18" @ 54.7#	18" @ 54.7#
45'	26" @ 85#	26" @ 85#	24" @ 105.9#	24" @ 100#

Note: See Special Provisions in regard to permissible beam substitutions and basis of payment.



BRIDGE OVER HARRIS CREEK

STATE ROAD FROM DONIPHAN TO OXLY

ABOUT 2.5 MILES WEST OF OXLY

PROJECT NO. N.R.S. - 10A (58) STA. 403+78

RIPLEY COUNTY

Drawn Jan. 1931 By R.J.G.
Traced Jan. 1931 By R.J.G. Assembled April 1933 By R.J.G.
Checked Feb. 1931 By C.M.J. Checked May 1933 By R.J.G.

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

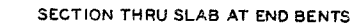
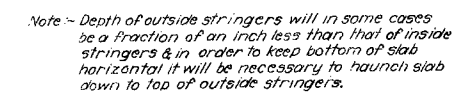
Sheet No. 4 of 5.

F.A.

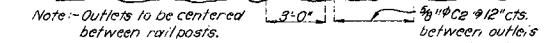
S-814

07

F.A.



Note: - Top of curbs under end posts shall be finished to a smooth surface parallel to grade. Not less than one nor more than four soft lead plates of $\frac{1}{8}$ " thickness shall be used under angles of each end rail post for aligning rail to correct elevation. Plates shall be $3\frac{1}{2} \times 6$ " and shall be punched $\frac{1}{4}$ " on same gauge as angles. No grouting permitted. Cost of lead plates to be included in price bid for other items.



PART ELEVATION OF HANDRAIL & CURB

STATE ROAD FROM DONIPHAN TO OXLEY
ABOUT 2.5 MILES WEST OF OXLEY
PROJECT NO. N.R.S. 400A(SB) STA. 403+78

F.A.

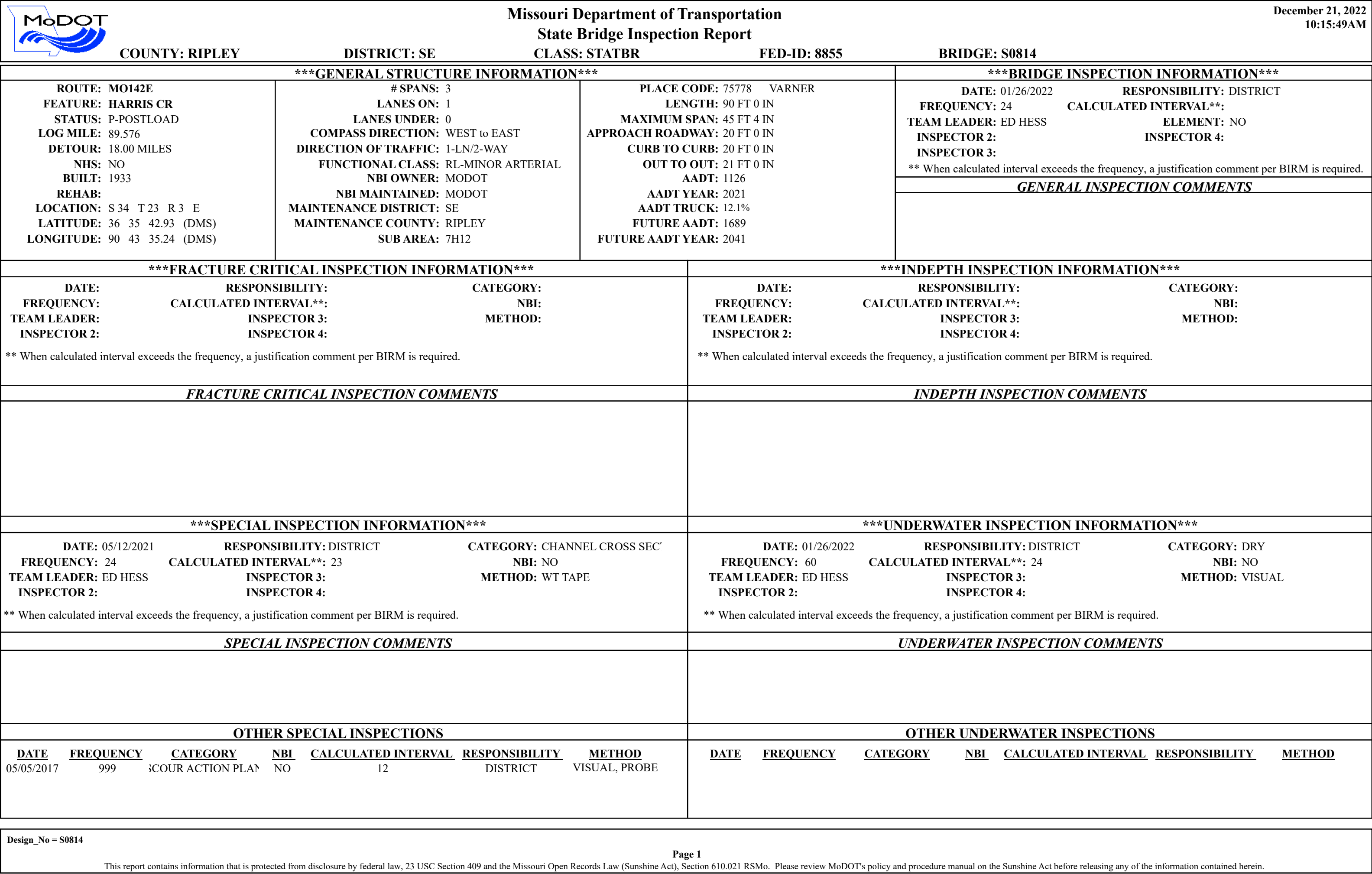
COUNTY


S-814


Drawn July 1933 By H.E.C.
Traced July 1933 By H.E.C.
Checked July 1933 By N.M.R.

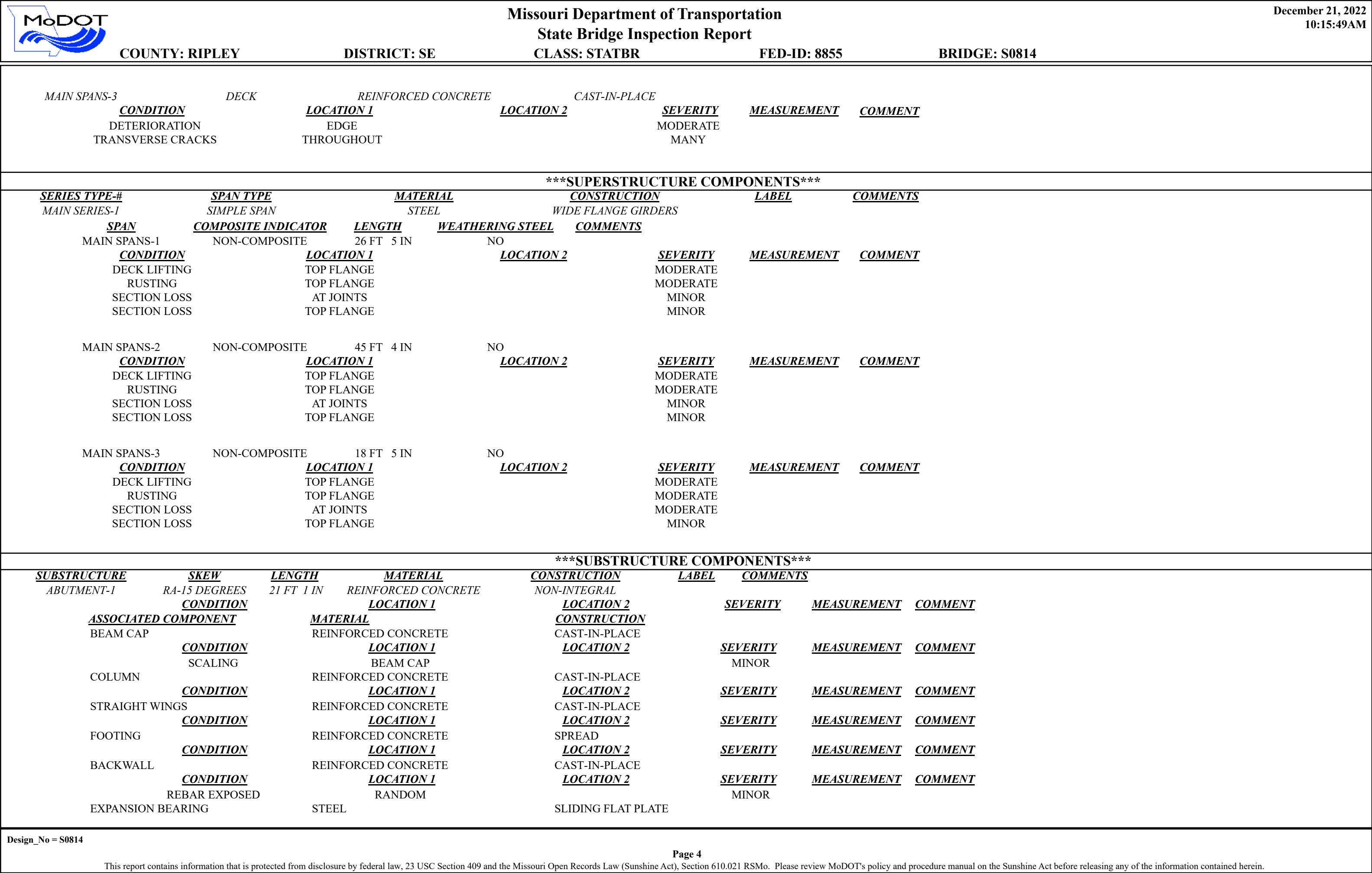
Note:- This drawing is not to scale.
Follow dimensions.

Sheet No. 5 of 5



		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>			<div>December 21, 2022</div> <div>10:15:49AM</div>	
COUNTY: RIPLEY		DISTRICT: SE	CLASS: STATBR	FED-ID: 8855	BRIDGE: S0814	
STRUCTURE POSTING						
APPROVED CATEGORY: S-5		CENTERLINE OF BRIDGE AND TRUCKS OVER 16 TONS 15 MPH ON BRIDGE.				
Ton 1: 16		Ton 2:	Ton 3:			
COMMENTS:						
FIELD CATEGORY: S-16		TRKS OVR 16 TNS 15MPH ON BR EXCPT SNGL UNIT TRKS WT LIMIT 22 TNS&ALL OTHR TRKS				
Ton 1: 16		Ton 2: 22	Ton 3: 39	PROBLEM:		PROBLEM DIRECTION:
COMMENTS:						
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(26'-45'-18') SMP WF GDR SPANS						
[ITEM 58] DECK: 4-POOR CONDITION			COMMENTS: (MUSSED, 03/21/2006)--PACK RUST HAS LIFTED DECK 1/2" AND IS CAUSING DECK TO POUND			
RATING : 01/31/2022						
[ITEM 59] SUPER: 5-FAIR CONDITION			COMMENTS: (DENNIB1, 01/25/2016)--SECTION LOSS			
RATING : 01/16/2008						
[ITEM 60] SUB: 5-FAIR CONDITION			COMMENTS: (SHRUBM1, 03/05/2012)--SCALING			
RATING : 01/31/2022						
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE			COMMENTS:			
RATING : 01/16/2014						
[ITEM 113] SCOUR: 3-SCOUR CRITICAL-UNSTABLE			COMMENTS: (FOSTEK, 06/15/2005)--SCOUR ANALYSIS REC'D 03-05. ANALYSIS NOTED POTENTIAL FOR UNDERMINING TIMBER PILING BY COMBINATION SCOUR..			
RATING : 06/15/2005			FOUNDATION MATERIAL INDICATES BOULDERS AND CEMENTED GRAVEL. SMALL DRAINAGE AREA AT 8.9 SM. RECOMMENDED ITEM 113 RATING			
EVALUATION TYPE :			= 3, SCOUR CATEGORY = C.			
[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 : 01/16/2008	COMMENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
REINFORCED CONCRETE	CURB	BOTH				
STEEL	CHANNEL-DOUBLE	BOTH				
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0			RATING : 05/18/2001	COMMENTS:		
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0			RATING : 05/18/2001	COMMENTS:		
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0			RATING : 05/18/2001	COMMENTS:		
Design_No = S0814						
<div>Page 2</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>						

		Missouri Department of Transportation				December 21, 2022	
		State Bridge Inspection Report				10:15:49AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 8855	
						BRIDGE: S0814	
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		GOOD	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS SEAL COAT	
						<u>THICKNESS</u>	
						1.4 IN	
						<u>YEAR APPLIED</u>	
						2016	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
						GOOD	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		DRAINAGE		REINFORCED CONCRETE		CURB OUTLET	
						<u>DIRECTION</u>	
						<u>COMMENTS</u>	
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
BENT-2				CLOSED EXPANSION JOINT		FELT	
						<u>CONSTRUCTION</u>	
						FILLED JOINT	
						<u>GAP</u>	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
<u>COMMENT:</u>							
		BENT-3		CLOSED EXPANSION JOINT		FELT	
						FILLED JOINT	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		BANK PROTECTION		ROCK		GROUTED	
						<u>DIRECTION</u>	
						BOTH	
						<u>COMMENTS</u>	
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DELAMINATION		RANDOM				MINOR	
REBAR EXPOSED		THROUGHOUT				MINOR	
TRANSVERSE CRACKS		THROUGHOUT				MANY	
MAIN SPANS-2		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		EDGE				MODERATE	
HIGH STEEL SPALLS		BOTTOM				MANY	
TRANSVERSE CRACKS		THROUGHOUT				MANY	
Design_No = S0814							
Page 3							
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Missouri Department of Transportation State Bridge Inspection Report

December 21, 2022
10:15:49AM

COUNTY: RIPLEY


DISTRICT: SE

CLASS: STATBR

FED-ID: 8855

BRIDGE: S0814

			<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-2	RA-15 DEGREES	21 FT 5 IN	REINFORCED CONCRETE	MULTIPLE COLUMN				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>				
	BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
	DELAMINATION		BOTTOM		MODERATE			
	SCALING		BEAM CAP		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>	
	SCALING		THROUGHOUT		MODERATE			
	VERTICAL CRACKS		THROUGHOUT		FEW			
FOOTING			REINFORCED CONCRETE	SPREAD				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
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>	
BENT-3	RA-15 DEGREES	21 FT 5 IN	REINFORCED CONCRETE	MULTIPLE COLUMN				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>				
	BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
	DELAMINATION		BOTTOM		MODERATE			
	REBAR EXPOSED		BOTTOM		MODERATE			
	SCALING		BEAM CAP		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>	
	SCALING		THROUGHOUT		MODERATE			
	VERTICAL CRACKS		THROUGHOUT		FEW			
FOOTING			REINFORCED CONCRETE	SPREAD				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
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>	
ABUTMENT-4	RA-15 DEGREES	21 FT 1 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>	
	<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>				
	BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
	DELAMINATION		RANDOM		MODERATE			
	SCALING		BEAM CAP		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>	
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>	
FOOTING			REINFORCED CONCRETE	SPREAD				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
	REBAR EXPOSED		RANDOM		MINOR			

		Missouri Department of Transportation				December 21, 2022																																														
		State Bridge Inspection Report				10:15:49AM																																														
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 8855																																														
						BRIDGE: S0814																																														
UTILITY		OWNER		METHOD		MEASUREMENT TYPE																																														
						VALUE																																														
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						UTILITY ATTACHMENT COMMENT																																														
PROGRAM NOTES INFORMATION																																																				
<u>YEAR</u> 2025		<u>PROJECT #</u> SE0031		<u>MONTH LET</u> 1		<u>YEAR LET</u> 2025																																														
						<u>ITEMS</u>																																														
						<u>COMMENT</u>																																														
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS				***ADVANCED SIGN INFORMATION***																																																
<p>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.</p> <table><tr><td><u>Rated Item</u></td><td><u>Rating</u></td><td><u>Rating Date</u></td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>2-BASICALLY INTOLRBLE REQ</td><td>2/17/2022</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>2-BASICALLY INTOLRBLE REQ</td><td>5/18/2001</td></tr><tr><td>[Item 69] Underclearance:</td><td>N-NOT APPLICABLE</td><td>5/18/2001</td></tr><tr><td>Sufficiency Rating:</td><td>42.2%</td><td>3/8/2022</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>4/2/2003</td></tr><tr><td>Funding Eligibility:</td><td>FULL</td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td>125 FT.</td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td>\$421,007</td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td>\$631,511</td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td>2022</td><td>----</td></tr></table> <p>NOTE: The above structure length and cost estimates are computer generated using algorithmis in the TMS system. These algorithmis 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.</p>				<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	2-BASICALLY INTOLRBLE REQ	2/17/2022	[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	5/18/2001	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	42.2%	3/8/2022	Deficiency:	STRUCTURAL	4/2/2003	Funding Eligibility:	FULL	----	Estimated New Structure Length:	125 FT.	----	Estimated Structure Cost:	\$421,007	----	Estimated Total Project Cost:	\$631,511	----	Year of Cost Estimate:	2022	----	<table><tr><td><u>SIGN #</u></td><td><u>SIGN TYPE</u></td><td><u>PROBLEM</u></td><td><u>PROBLEM DIRECTION</u></td></tr><tr><td>1</td><td>B - ONE LANE BRIDGE</td><td></td><td></td></tr><tr><td>2</td><td>YIELD TO ONCOMING TRAFFIC</td><td></td><td></td></tr></table>				<u>SIGN #</u>	<u>SIGN TYPE</u>	<u>PROBLEM</u>	<u>PROBLEM DIRECTION</u>	1	B - ONE LANE BRIDGE			2	YIELD TO ONCOMING TRAFFIC		
				<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>																																														
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				OUTFALL INSPECTION INFORMATION																																																
				# OUTFALLS:																																																
				INSPECTOR:																																																
				STATUS:																																																
				DATE:																																																
				NOTES:																																																



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

December 21, 2022
10:10:29am

COUNTY : RIPLEY BRIDGE : S0814 REVIEW STATUS : CONVERTED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/9/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION

1	State	MISSOURI
2	District	SE
3	County	RIPLEY
8	Federal ID No.	8855
27	Year Built	1933
106	Year Reconstructed	0
42A	Type of Service On	HIGHWAY
21	Structure Maintenance	STATE HIGHWAY AGENCY
22	Structure Owner	STATE HIGHWAY AGENCY
33	Br. Median Code	NO MEDIAN
37	Historical Significance	HISTORICAL SIGNIF UNKNWN
101	Parallel Struc Desg	NONE EXISTS
103	Temporary Structure	NOT TEMPORARY
112	NBIS Bridge Length	YES

ROUTE DESIGNATION INFORMATION

5A	Record Type	ROUTE CARRIED 'ON' STRUCT
5B	Route Signing Prefix	MO
5C	Designated Level of Service	MAINLINE
5D	Route Number	00142
5E	Directional Suffix	NOT APPLICABLE
7	Facility Carried	MO 142 E
12	Base Hwy. Network	YES
13A	LRS Inventory Route No.	0000001107
13B	Subroute No.	00
20	Toll Status	ON FREE ROAD
26	Functional Classification	06-RURAL MINOR ARTERIAL
28A	Lanes on Structure	01
100	STRAHNET Designation	RTE NOT A DEFENSE HWY
104	National Highway System	NOT ON NHS
105	Federal Lands Highway	NOT APPLICABLE
110	Designated Nat. Network	NO

STRUCTURE LOCATION INFORMATION

4	Place	VARNER
	Code	75778
9	Location	S 34 T 23 N R 3 E
11	Milepoint	90.10 miles
16	Latitude	36 D 35 M 43 S
17	Longitude	90 D 43 M 35 S

STRUCTURE TRAFFIC INFORMATION

29	AADT	1126
30	AADT Year	2021
102	Direction of Traffic	ONE LANE BRIDGE FOR 2-WAY
109	AADT Truck Percent	12%
114	Future AADT	1689
115	Future AADT Year	2041

UNDERRECORD INFORMATION

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

STRUCTURE GEOMETRIC INFORMATION

10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
19	By pass Detour Length	18.13 miles
32	Approach Roadway Width	20 Ft. 0 In.
34	Skew	15.00 Degrees
35	Struct. Flared	NO
47	Total Horiz. Clear	20 Ft. 0 In.
48	Maximum Span Length	45 Ft. 3 In.
49	Structure Length	89 Ft. 11 In.
50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
51	Curb to Curb Br. Width	20 Ft. 0 In.
52	Deck Width (Out-Out)	20 Ft. 12 In.
53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = S0814 and Inventory_Appraisal_Submittal_Year = 2022



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

December 21, 2022
10:10:29am

COUNTY : RIPLEY BRIDGE : S0814 REVIEW STATUS : CONVERTED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/9/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	STEEL
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	3
64	Operating Rating	21 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	12 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	20.0-29.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 42.2 Percent			108B	Membrane Mat/Constr.	0 NONE
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility FULL			CONDITION RATING INFORMATION		
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	58	Deck Cond. Rating	4
75B	Work Done By	Contract	59	Superstructure Cond. Rating	5
76	New Struc Length	121 Ft. 5 In.	60	Substructure Cond. Rating	5
94	Struc Improve Cost	\$ 421,000	61	Channel /Channel Protection Cond. Rating	6
95	Roadway Improve Cost	\$ 42,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 632,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	1 / 22
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	24 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	2	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	2	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	6	98	Neighboring State Code	
72	Approach Road App. Rating	6	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	3	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-5			Field Posting Category S-16		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign 16			Tonnage Values for Posting Sign 16 22 39		
General Text for Posting Sign			General Text for Posting Sign		
CENTERLINE OF BRIDGE AND TRUCKS OVER 16 TONS 15 MPH ON BRIDGE.			TRKS OVR 16 TNS 15MPH ON BR EXCPT SNGLE UNIT TRKS WT LIMIT 22 TNS&ALL OTHR TRKS WT LIMIT 39 TNS.		

Design_No = S0814 and Inventory_Appraisal_Submittal_Year = 2022

PROJECT SUMMARY REPORT FOR 9S3685 AS OF Dec 16, 2022

Work District	SOUTHEAST	Status	ONEDOT APPROVED	Version	APPROVED STIP	Project Manager	CHRIS (PETE) BERRY	Payment Project	N
Award Month/Award Year	/ 2025	Letting Date		Estimated Submittal Date	Jan 12, 2022	Let by	CENTRAL OFFICE	Letting Exclusion	N

Primary Route	MO 142 E	County	RIPLEY
Description / Location	Bridge replacement over Drainage Ditch 2.		
Reason / Remarks	Project involves bridge T0758.		
District Comments			

Project Amounts	Total Estimated Cost for the Project									
Typical Bridge	Major Bridge	Pavement	Safety	Mobility	Capital Improvement	Contingency	Other Non-Contractual	Right of Way Acquisition	Preliminary Engineering	Construction Engineering
120		295				8		8	75	29
Total Bridge	120	Total Contract Estimate			415	Total Construction	423		Total Engineering	104
						Total Right of Way and Construction		431	Total Project	535

Yearly Program Amounts	Amount Programmed by SFY									
	Prior to 2023	2023	2024	2025	2026	2027	2028	Future	Program Total	Project Total
Preliminary Engineering	7	8	32	28					68	75
Construction Engineering				29					29	29
Right of Way Acquisition	0		8						8	8
Construction		0		423					423	423
Total	7	8	40	480					528	535

How the District is Funding the Project										
Funding Category										
Asset Management - CN	0	0	0	423	0	0	0	0	423	423
Asset Management - RW	0	0	8	0	0	0	0	0	8	8
Total	0	0	8	423	0	0	0	0	431	431

Funding From Other Sources										
Total	0	0	0	0	0	0	0	0	0	0

Funds Transfer										
Total	0	0	0	0	0	0	0	0	0	0

Total Right of Way and Construction	0	0	8	423	0	0	0	0	431	431
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Engineering	7	8	32	57	0	0	0	0	97	104
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Funding From Other Sources - Engineering										
Total	0	0	0	0	0	0	0	0	0	0

Total Project	7	8	40	480	0	0	0	0	528	535
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Bridge Count	1	Railroads Impacted	0	Improvement	Action	Detailed Work	Federal Funds Category	Initiatives
Bridges				BRIDGE		BRIDGE REPLACEMENT	NHPP	
				PAVEMENT	REPLACE	PAVEMENT REBUILD		
T0758 ,								

Route	Begin Log	End Log	Begin County	TMA	Travelway ID	System	Functional Class	NHS	AADT	Conflict of Interest
MO 142 E	96.562	96.762	RIPLEY	N	1,107	SUPPLEMENTARY	MINOR ARTERIAL	N	629	N
MO 142 W	25.568	25.768	RIPLEY	N	1,108	SUPPLEMENTARY	MINOR ARTERIAL	N	508	N

Lane Miles	0.4	Centerline Miles	0.2
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TIP Number	
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Planning Organization	Federal District	Senate District	House District
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PROJECT SUMMARY REPORT FOR 9S3685 AS OF Dec 16, 2022

OZARK FOOTHILLS REG PLAN COMM	8	25	153
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PROJECT SUMMARY REPORT FOR 9S3817 AS OF Dec 16, 2022

Work District	SOUTHEAST	Status	ONEDOT APPROVED	Version	APPROVED STIP	Project Manager	CHRIS (PETE) BERRY	Payment Project	N
Award Month/Award Year	1 / 2025	Letting Date	Dec 01, 2024	Estimated Submittal Date	Jan 26, 2022	Let by	CENTRAL OFFICE	Letting Exclusion	N

Primary Route	RT W S	County	RIPLEY
Description / Location	Bridge replacement over Drainage Ditch 1.		
Reason / Remarks	Project involves bridge P0676.		
District Comments			

Project Amounts	Total Estimated Cost for the Project									
Typical Bridge	Major Bridge	Pavement	Safety	Mobility	Capital Improvement	Contingency	Other Non-Contractual	Right of Way Acquisition	Preliminary Engineering	Construction Engineering
499		353				17	10	7	148	60
Total Bridge	499	Total Contract Estimate			852	Total Construction	879		Total Engineering	208
						Total Right of Way and Construction		886	Total Project	1,094

Yearly Program Amounts	Amount Programmed by SFY									
	Prior to 2023	2023	2024	2025	2026	2027	2028	Future	Program Total	Project Total
Preliminary Engineering	14	15	61	58	0				134	148
Construction Engineering				60					60	60
Right of Way Acquisition			7	0					7	7
Construction				879	0				879	879
Total	14	15	68	997	0				1,080	1,094

How the District is Funding the Project										
Funding Category										
Asset Management - CN	0	0	0	879	0	0	0	0	879	879
Asset Management - RW	0	0	7	0	0	0	0	0	7	7
Total	0	0	7	879	0	0	0	0	886	886

Funding From Other Sources										
Total	0	0	0	0	0	0	0	0	0	0

Funds Transfer										
Total	0	0	0	0	0	0	0	0	0	0

Total Right of Way and Construction	0	0	7	879	0	0	0	0	886	886
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Engineering	14	15	61	118	0	0	0	0	194	208
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Funding From Other Sources - Engineering										
Total	0	0	0	0	0	0	0	0	0	0

Total Project	14	15	68	997	0	0	0	0	1,080	1,094
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Bridge Count	1	Railroads Impacted	0	Improvement	Action	Detailed Work	Federal Funds Category	Initiatives
Bridges				BRIDGE		BRIDGE REPLACEMENT	NHPP	
				PAVEMENT	REPLACE	PAVEMENT REBUILD		
P0676 ,								

Route	Begin Log	End Log	Begin County	TMA	Travelway ID	System	Functional Class	NHS	AADT	Conflict of Interest
RT W S	0.814	1.014	RIPLEY	N	958	SUPPLEMENTARY	MAJOR COLLECTOR	N	132	N
RT W N	3.476	3.676	RIPLEY	N	959	SUPPLEMENTARY	MAJOR COLLECTOR	N	138	N

Lane Miles	0.4	Centerline Miles	0.2
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TIP Number	
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Planning Organization	Federal District	Senate District	House District
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PROJECT SUMMARY REPORT FOR 9S3817 AS OF Dec 16, 2022

OZARK FOOTHILLS REG PLAN COMM	8	25	153
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PROJECT SUMMARY REPORT FOR 9S3848 AS OF Dec 16, 2022

Work District	SOUTHEAST	Status	ONEDOT APPROVED	Version	APPROVED STIP	Project Manager	CHRIS (PETE) BERRY	Payment Project	N
Award Month/Award Year	1 / 2025	Letting Date	Dec 01, 2024	Estimated Submittal Date	Jan 12, 2022	Let by	CENTRAL OFFICE	Letting Exclusion	N

Primary Route	RT W S	County	RIPLEY
Description / Location	Bridge replacement over Drainage Ditch 3.		
Reason / Remarks	Project involves bridge P0677.		
District Comments			

Project Amounts	Total Estimated Cost for the Project									
Typical Bridge	Major Bridge	Pavement	Safety	Mobility	Capital Improvement	Contingency	Other Non-Contractual	Right of Way Acquisition	Preliminary Engineering	Construction Engineering
499		353				17	10	7	147	60
Total Bridge	499	Total Contract Estimate			852	Total Construction	879		Total Engineering	207
						Total Right of Way and Construction		886	Total Project	1,093

Yearly Program Amounts	Amount Programmed by SFY									
	Prior to 2023	2023	2024	2025	2026	2027	2028	Future	Program Total	Project Total
Preliminary Engineering	14	15	60	58	0				133	147
Construction Engineering				60					60	60
Right of Way Acquisition			7	0					7	7
Construction				879	0				879	879
Total	14	15	67	997	0				1,079	1,093

How the District is Funding the Project										
Funding Category										
Asset Management - CN	0	0	0	879	0	0	0	0	879	879
Asset Management - RW	0	0	7	0	0	0	0	0	7	7
Total	0	0	7	879	0	0	0	0	886	886

Funding From Other Sources										
Total	0	0	0	0	0	0	0	0	0	0

Funds Transfer										
Total	0	0	0	0	0	0	0	0	0	0

Total Right of Way and Construction	0	0	7	879	0	0	0	0	886	886
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Engineering	14	15	60	118	0	0	0	0	193	207
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Funding From Other Sources - Engineering										
Total	0	0	0	0	0	0	0	0	0	0

Total Project	14	15	67	997	0	0	0	0	1,079	1,093
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Bridge Count	1	Railroads Impacted	0	Improvement	Action	Detailed Work	Federal Funds Category	Initiatives
Bridges				BRIDGE		BRIDGE REPLACEMENT	NHPP	
				PAVEMENT	REPLACE	PAVEMENT REBUILD		
P0677 ,								

Route	Begin Log	End Log	Begin County	TMA	Travelway ID	System	Functional Class	NHS	AADT	Conflict of Interest
RT W S	2.300	2.500	RIPLEY	N	958	SUPPLEMENTARY	MAJOR COLLECTOR	N	132	N
RT W N	1.990	2.190	RIPLEY	N	959	SUPPLEMENTARY	MAJOR COLLECTOR	N	138	N

Lane Miles	0.4	Centerline Miles	0.2
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TIP Number	
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Planning Organization	Federal District	Senate District	House District
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PROJECT SUMMARY REPORT FOR 9S3848 AS OF Dec 16, 2022

OZARK FOOTHILLS REG PLAN COMM	8	25	153
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PROJECT SUMMARY REPORT FOR SE0031 AS OF Dec 16, 2022

Work District	SOUTHEAST	Status	ONEDOT APPROVED	Version	APPROVED STIP	Project Manager	CHRIS (PETE) BERRY	Payment Project	N
Award Month/Award Year		Letting Date		Estimated Submittal Date	Jan 20, 2022	Let by	CENTRAL OFFICE	Letting Exclusion	N

Primary Route	MO 142 E	County	RIPLEY
Description / Location	Bridge replacement over Harris Creek.		
Reason / Remarks	Project involves bridge S0814.		
District Comments			

Project Amounts	Total Estimated Cost for the Project									
Typical Bridge	Major Bridge	Pavement	Safety	Mobility	Capital Improvement	Contingency	Other Non-Contractual	Right of Way Acquisition	Preliminary Engineering	Construction Engineering
293		284				12		14	111	40
Total Bridge	293	Total Contract Estimate			577	Total Construction	589		Total Engineering	151
						Total Right of Way and Construction		603	Total Project	754

Yearly Program Amounts	Amount Programmed by SFY									
	Prior to 2023	2023	2024	2025	2026	2027	2028	Future	Program Total	Project Total
Preliminary Engineering		22	46	43					111	111
Construction Engineering				40					40	40
Right of Way Acquisition			14						14	14
Construction				589					589	589
Total		22	60	672					754	754

How the District is Funding the Project										
Funding Category										
Asset Management - CN	0	0	0	589	0	0	0	0	589	589
Asset Management - RW	0	0	14	0	0	0	0	0	14	14
Total	0	0	14	589	0	0	0	0	603	603

Funding From Other Sources										
Total	0	0	0	0	0	0	0	0	0	0

Funds Transfer										
Total	0	0	0	0	0	0	0	0	0	0

Total Right of Way and Construction	0	0	14	589	0	0	0	0	603	603
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Engineering	0	22	46	83	0	0	0	0	151	151
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Funding From Other Sources - Engineering										
Total	0	0	0	0	0	0	0	0	0	0

Total Project	0	22	60	672	0	0	0	0	754	754
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Bridge Count	1	Railroads Impacted	0	Improvement	Action	Detailed Work	Federal Funds Category	Initiatives
Bridges				BRIDGE		BRIDGE REPLACEMENT	AC-STBG	BIL
				PAVEMENT	REPLACE	PAVEMENT REBUILD		
S0814 ,								

Route	Begin Log	End Log	Begin County	TMA	Travelway ID	System	Functional Class	NHS	AADT	Conflict of Interest
MO 142 E	89.576	89.614	RIPLEY	N	1,107	SUPPLEMENTARY	MINOR ARTERIAL	N	563	N
MO 142 W	32.716	32.754	RIPLEY	N	1,108	SUPPLEMENTARY	MINOR ARTERIAL	N	563	N

Lane Miles	0.076	Centerline Miles	0.038
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TIP Number	
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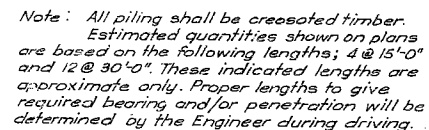
Planning Organization	Federal District	Senate District	House District
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PROJECT SUMMARY REPORT FOR SE0031 AS OF Dec 16, 2022

OZARK FOOTHILLS REG PLAN COMM	8	25	153
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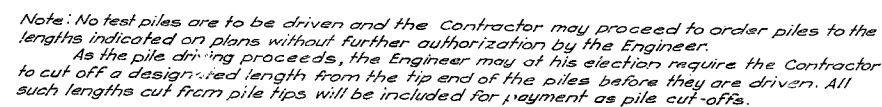
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
5	MO.	5 A00(4) (2B)	19		



DATA FOR PILE DRIVING		
Bent No.	1 & 3	2
Plan Capacity Per Pile	14	15
Computed Capacity Read. Per Pile	9	13
Min. Penetration (Pile Tip Elev.)	285.0	285.0

Note: All wing piles shall be driven to full penetration of length given on plans. Piles other than wing piles shall be driven to not less than the Specified "Plan" Capacities and to the minimum penetrations noted; unless the pile lengths authorized and furnished fail to give "Plan" capacities in which cases not less than the "Computed" capacities shall be obtained.



Note: Pile caps to be classified as "Beams and Stringers"
All other timber to be classified as "Joists and Plank".
* 225 to exactly 11 1/2" depth.
Backing support cap is billed 6" long and is to be re-cut and fitted in the field.

Design Specifications A. A. S. H. O. - 1949.
Loading H-10 A. A. S. H. O. - 1944.
Class "B" Concrete Stress 1,000*/sq.
Reinforcing Steel Stress 18,000*/sq.
Cresoloid Timber Stress 1,600*/sq.
All concrete shall be Class "B".
All timber shall be cresoloid and shall be 1600* F.
Douglas Fir of the West Coast Region or either Longleaf
or Shortleaf 1600* F. Southern Yellow Pine.
All timber shall be Standard sawn except as noted in
timber bill for pile caps.
All timber shall be cut to billed lengths and shapes
and shall be bored as shown before treating. All backing
plank are billed 6' long and are to be re-cut and fitted
in the field.
Rivets 3/4", holes 1 1/8" except as noted.
Where joint filler is specified or plates it shall conform
with the requirements of Section 38-1941(h) of the Standard
Specifications for Prestressed Material for Piers.
Paint: Shop, none; field, surface inaccessible after erecting
three coats of red lead. No other paint to be applied by Contractor.
Red lead required shall be furnished by the Contractor. Payment
for cleaning and painting such surfaces will be included in
price bid for structural steel.

Note: Bridge excavation will be allowed for all bents within the horizontal limits shown and noted on bent details. This excavation will be computed from existing ground line to bottom of 6"x6" backing supports for end bents and to bottom of sway bracing for interior bent.

All bridge excavation will be paid for as Class I Excavation for Structures.

All bridge excavation will be paid for as Class 1 Excavation for structures.

B.M. Elev. 302.37 N.I.E.R. 10" Sycamore 35' Rt. Sta. 789+30

STATE ROAD FROM OXLY TO NAYLOR
ABOUT 1.25 MILES NORTH OF NAYLOR
PROJECT NO. S-400(4) (SB) STA. 782 + 53

SUBMITTED BY: T. W. Enslin DATE 5/4/1949
BRIDGE ENGINEER
APPROVED BY: C. W. Brown DATE 5/4/1949

Drawn Feb. 1949 By G. W.
Traced Feb. 1949 By J. T. F.
Checked Apr. 1949 By C. S. A.

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

Sheet No. 1 of 2

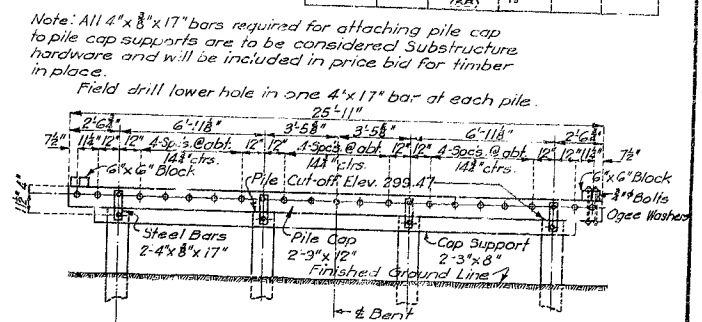
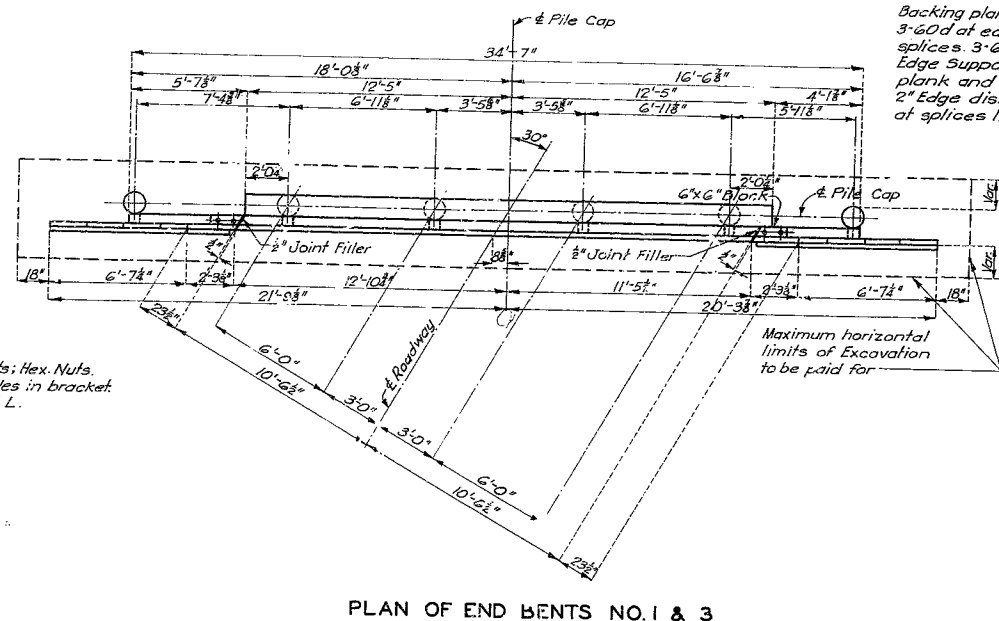
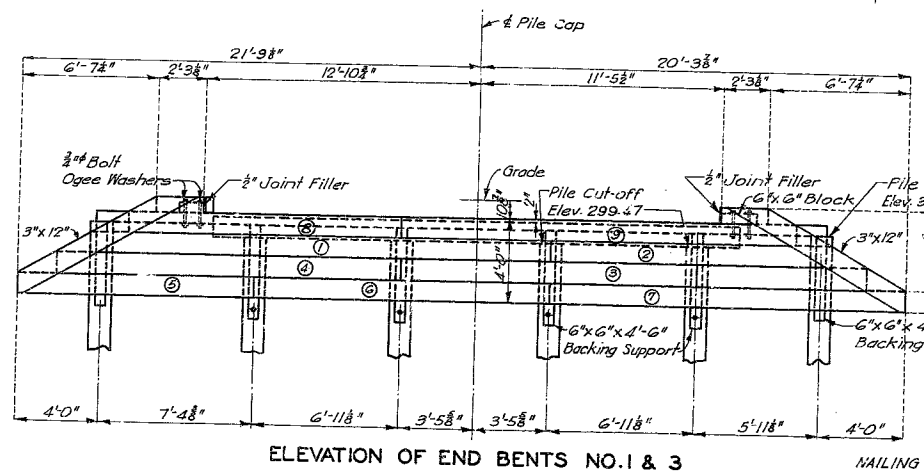
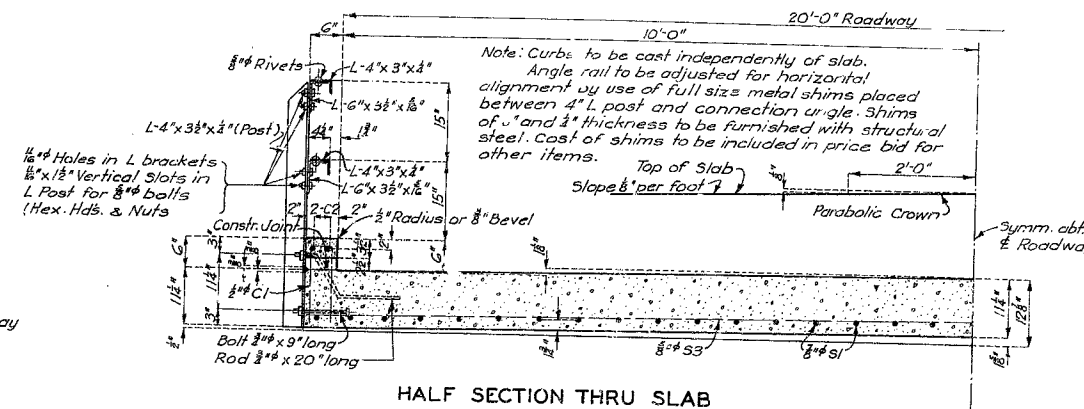
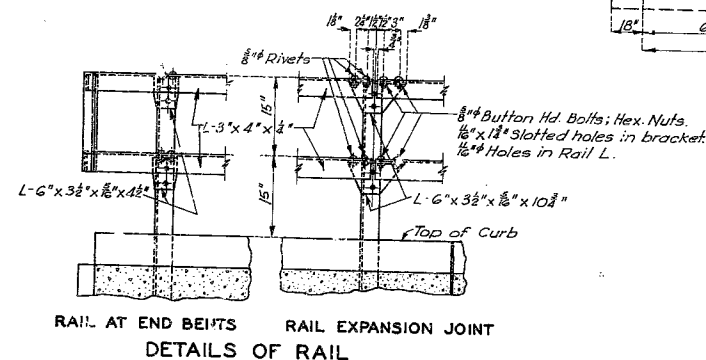
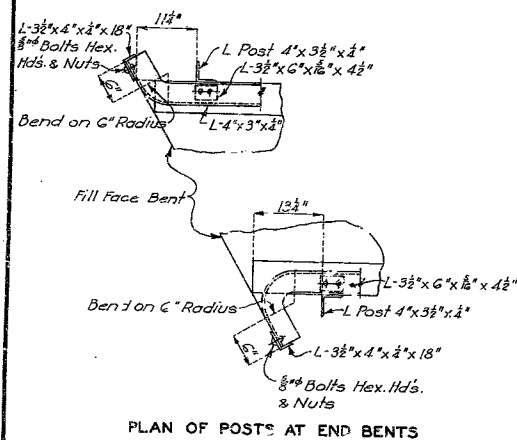
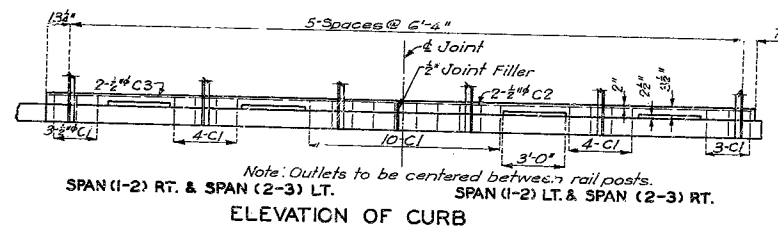
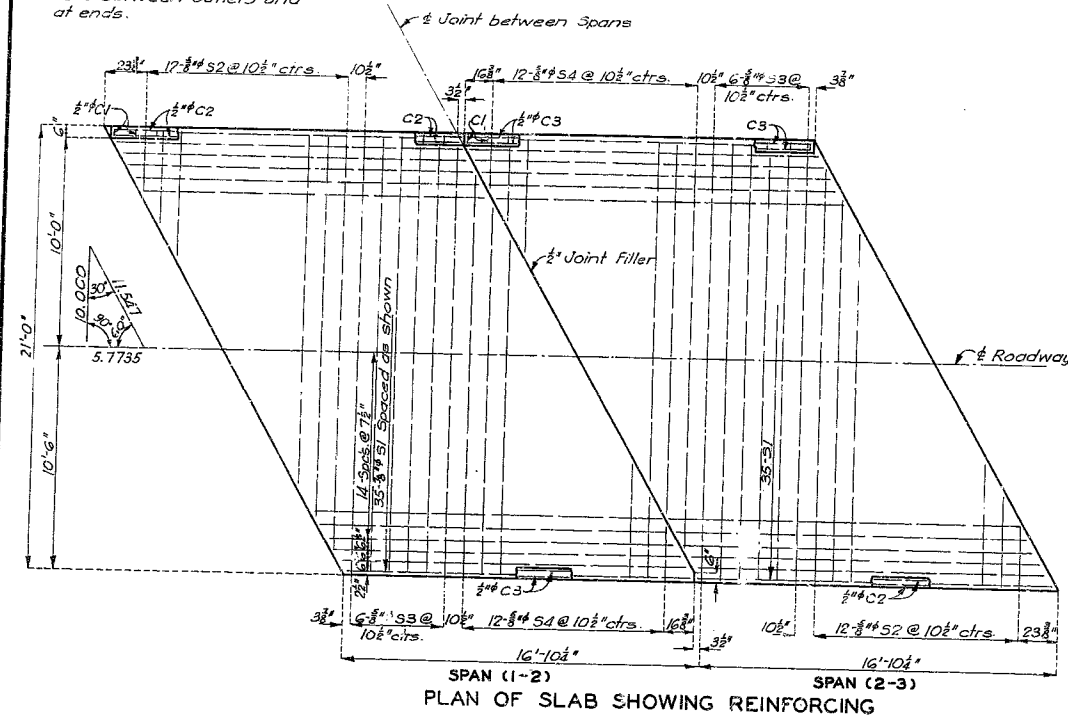
STD. C-110R3

T-758

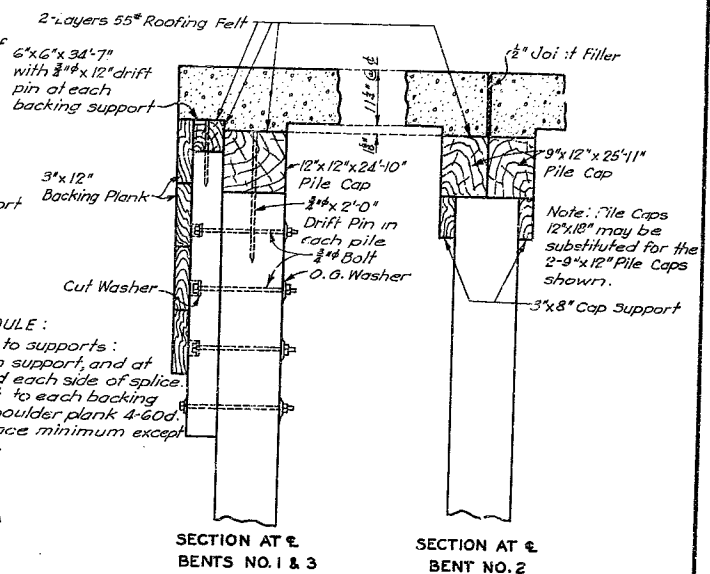
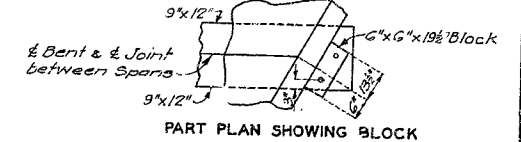
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO	5-400(4)	19		

Note: Span & dowel bars C1 at approximately 12" centers in curb between outlets and at ends.



Note: Excavation will be allowed for interior bents within the maximum horizontal limits of 4'-9" in width and 25'-11" in length.



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

BRIDGE OVER DRAINAGE DITCH NO. 2

STATE ROAD FROM OXLY TO NAYLOR
ABOUT 1.25 MILES NORTH OF NAYLOR
PROJECT NO. 5-400(4) (SB) STA. 782+03

RIPLY COUNTY

Drawn Feb. 1949 By G.W.
Traced Mar. 1949 By J.T.F.
Checked Apr. 1949 By C.S.A.

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

Sheet No. 2 of 2.

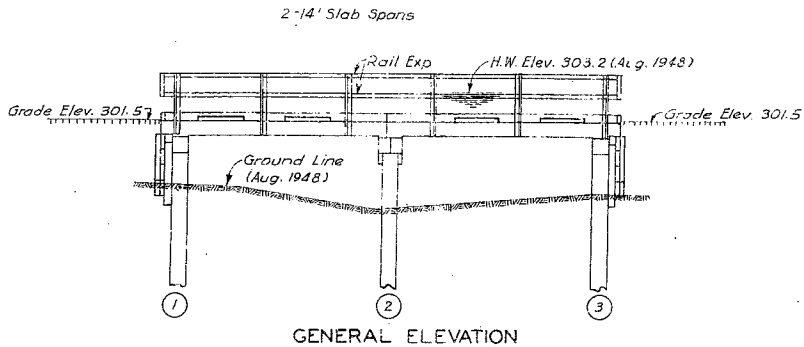
NO CONSTRUCTION CHANGES

T-758

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	SHEET NO.	FISCAL YEAR	TOTAL SHEETS
5	MO	5-20-1948	19

FINAL PLANS



Note: All piling shall be creosoted timber. Estimated quantities shown on plans are based on the following lengths; 4 @ 15'-0" and 12 @ 30'-0". These indicated lengths are approximate only. Prior lengths to give required bearing and/or penetration will be determined by the Engineer during driving.

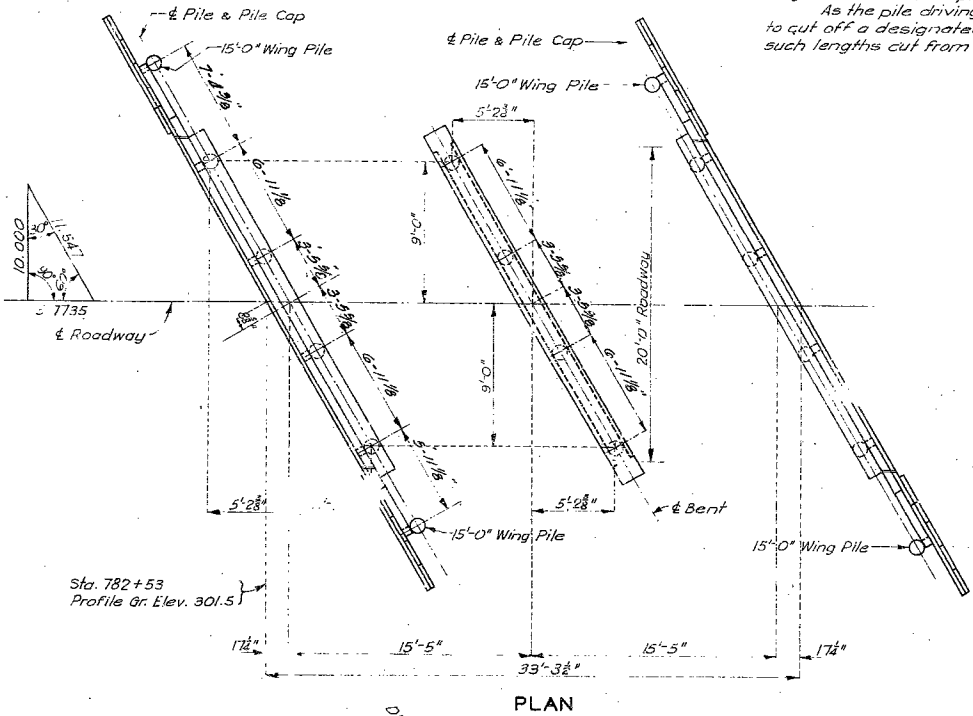
PILE BILL OF REINFORCING STEEL				
No.	Size	Length	Mark	Location
18	3/4"	2'-3"	C1	Curb
4	2"	15'-3"	C2	"
4	2"	15'-3"	C3	"
70	3/4"	15'-6"	S1	Slab
12	3/4"	22'-0"	S2	"
12	3/4"	20'-9"	S3	"
12	3/4"	21'-0"	S4	"

Bending Sketches & Cutting Diagrams

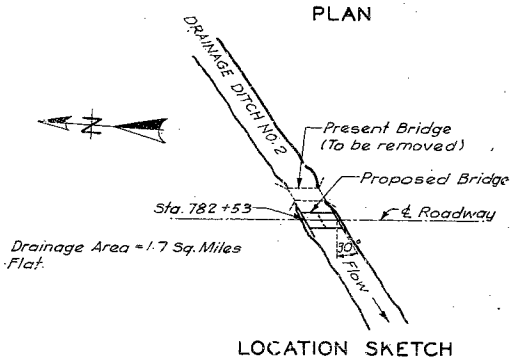
DATA FOR PILE DRIVING		
Bent No.	1 & 3	2
Plan Capacity Per Pile	14	15
Computed Capacity Req'd. Per Pile	9	13
Min. Penetration (Pile Tip Elev.)	285.0	285.0

Note: All wing piles shall be driven to full penetration of length given on plans. Piles other than wing piles shall be driven to not less than the specified "Plan" capacities and to the minimum penetrations noted; unless the pile lengths authorized and furnished fail to give "Plan" capacities in which cases not less than the "Computed" capacities shall be obtained.

Note: No test piles are to be driven and the Contractor may proceed to order piles to the lengths indicated on plans without further authorization by the Engineer. As the pile driving proceeds, the Engineer may at his election require the Contractor to cut off a designated length from the tip end of the piles before they are driven. All such lengths cut from pile tips will be included for payment as pile cut-offs.



PLAN



LOCATION SKETCH

SUBSTRUCTURE TIMBER BILL				
Place	No.	Size	Length	Remarks
Backing Plank	1	2	3"x12"	22'-3 1/2"
Backing Plank	2	2	3"x12"	19'-10 1/2"
Backing Plank	3	2	3"x12"	22'-6 1/2"
Backing Plank	4	2	3"x12"	17'-0 1/2"
Backing Plank	5	2	3"x12"	11'-10 1/2"
Backing Plank	6	2	3"x12"	14'-4 1/2"
Backing Plank	7	2	3"x12"	1'-4 1/2"
Edge Support	4	3"x12"	9'-10 1/2"	Cut to length & shape
Shoulder Plank	2	3"x10"	2'-3 1/2"	"
Shoulder Plank	2	6"x10"	2'-1 1/2"	"
Backing Support	4	6"x6"	1'-0"	"
Backing Support	8	6"x6"	1'-6"	"
Backing Support Cap	2	2"x6"	20'-9 1/2"	Cut to length & shape
Backing Support Cap	2	6"x6"	15'-3 1/2"	"
Pile Cap	2	12"x12"	21'-0"	"
Pile Cap	2	9"x12"	25'-11"	"
Cap Support	2	3"x3"	13'-0"	"
Block	4	6"x6"	18 1/2"	Cut to length & shape
Block	2	6"x6"	18 1/2"	Cut to length
Backing Plank	2	3"x12"	13'-7 1/2"	Cut to length
Backing Plank	2	3"x12"	19'-1 1/2"	"

Shaping and Boring Sketches

Note: See Detail of Interior Bent for location of holes to be bored in pile caps before treating.

Note: Pile caps to be classified as "Beams and Stringers". All other timber to be classified as "Joists and Plank". * 525 to exactly 11 1/2" depth. Backing support cap is billed 5' long and is to be re-cut and fitted in the field.

GENERAL NOTES:

Design Specifications A.A.S.H.O. -1949.
Loading H-17 A.A.S.H.O. -1944.
Class "B" Concrete Stress 1000#/sq. in.
Reinforcing Steel Stress 18,000#/sq. in.
Creosoted Timber Stress 1,600#/sq. in.
All concrete shall be Class "B".
All timber shall be creosoted and shall be 1600# F Douglas Fir of the West Coast Region or either Longleaf or Shortleaf 1600# F Southern Yellow Pine.
All timber shall be Standard sawn except as noted in timber bill for pile caps.
All timber shall be cut to billed lengths and shapes and shall be bored as shown before treating. All backing plank are billed 5' long and are to be re-cut and fitted in the field.
Rivets 3/4" holes 1/2" except as noted.
Where joint filler is specified on plans it shall conform with the requirements of Section 38-19A(1)h of the Standard Specifications for Premoulded Material for Filler.
Paint: Shop, none; field, surfaces inaccessible after erection three coats of red lead. No other paint to be applied by Contractor. Red lead required shall be furnished by the Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for structural steel.

FINAL QUANTITIES				
Item	Substr.	Superstr.	Total	
Class I Excavation for Structures	Cu. Yds.	28.5		28.5
Class "B" Concrete	Cu. Yds.		25.3	25.3
Reinforcing Steel	Lbs.		3200	3200
Creosoted Timber	Lin. Ft.	2550		2550
Creosoted Timber Piles in Place	Lin. Ft.	399		399
Creosoted Timber Pile Cut-offs	Lin. Ft.	21		21
Fabricated Structural Steel	Lbs.	1320		1320

Note: Bridge excavation will be allowed for all bents within the horizontal limits shown and noted on bent details. This excavation will be computed from existing ground line to bottom of 6"x6" backing supports for end bents and to bottom of sway bracing for interior bent.
All bridge excavation will be paid for as Class I Excavation for Structures.

B.M. Elev. 302.37 N.I.E.R. 10' Sycamore 35' R/L Sta. 789+30.

BRIDGE OVER DRAINAGE DITCH NO. 2

STATE ROAD FROM OXLY TO NAYLOR
ABOUT 1.25 MILES NORTH OF NAYLOR
PROJECT NO. S-400(4) (SB) STA. 782+53

RIPLEY COUNTY

SUBMITTED BY V.W. Enslow 5/4/1949
APPROVED BY C.W. Brown 5/4/1949

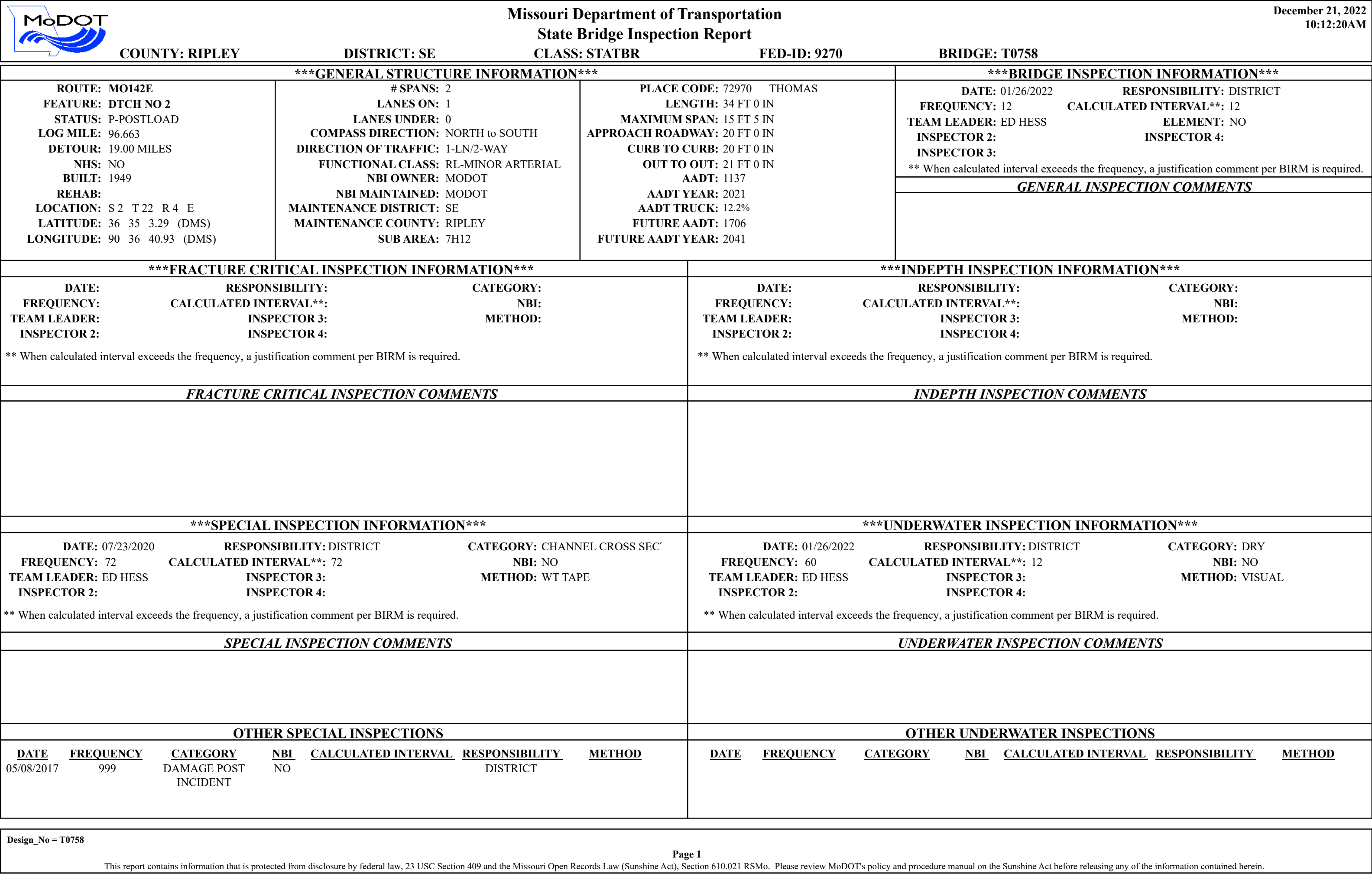
Drawn Feb. 1949 By G.W.
Traced Feb. 1949 By J.T.F.
Checked Apr. 1949 By C.S.A.

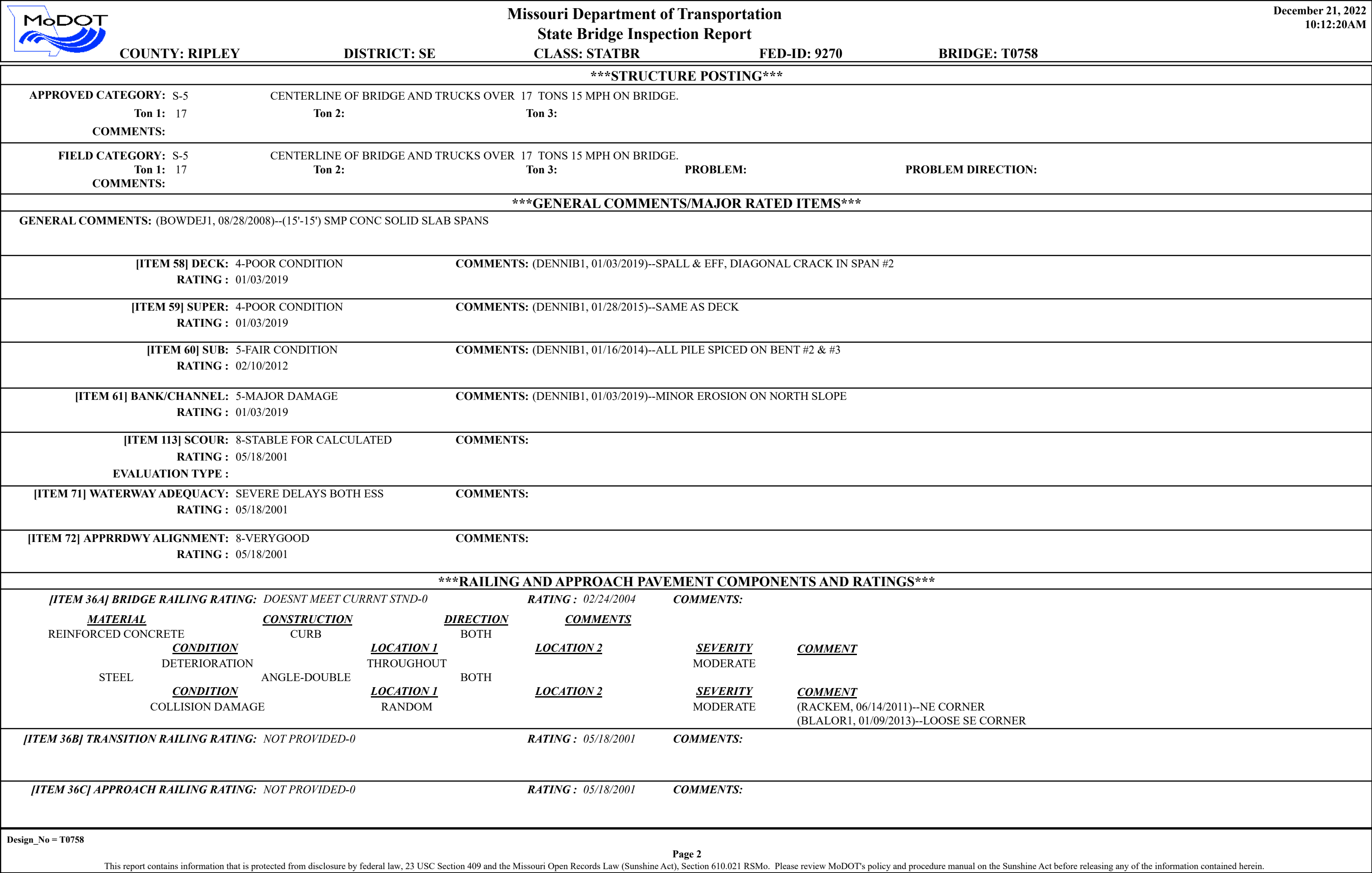
Note: This drawing is not to scale. Follow dimensions.


Sheet No. 1A of 1

FINAL PLANS

STD. C-1093
T-758






		Missouri Department of Transportation				December 21, 2022	
		State Bridge Inspection Report				10:12:20AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270	
						BRIDGE: T0758	
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0				RATING : 05/18/2001		COMMENTS:	
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		FAIR	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS MAT	
						<u>THICKNESS</u>	
						6 IN	
						<u>YEAR APPLIED</u>	
						2010	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
						FAIR	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		LIQUID SEALANT		BUILT-UP	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		DRAINAGE		REINFORCED CONCRETE		CURB OUTLET	
						<u>DIRECTION</u>	
						<u>COMMENTS</u>	
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
BENT-2				CLOSED EXPANSION JOINT		FELT	
						<u>CONSTRUCTION</u>	
						FILLED JOINT	
						<u>GAP</u>	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		BANK PROTECTION		ROCK		GROUTED	
						<u>DIRECTION</u>	
						BOTH	
						<u>COMMENTS</u>	
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		EDGE				MODERATE	
DIAGONAL CRACKS		RANDOM				FEW	
EFFLORESCENCE		RANDOM				MODERATE	
REBAR EXPOSED		BOTTOM				MINOR	
SPALLS		BOTTOM				MODERATE	
MAIN SPANS-2		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		EDGE				MODERATE	

Design_No = T0758

Page 3

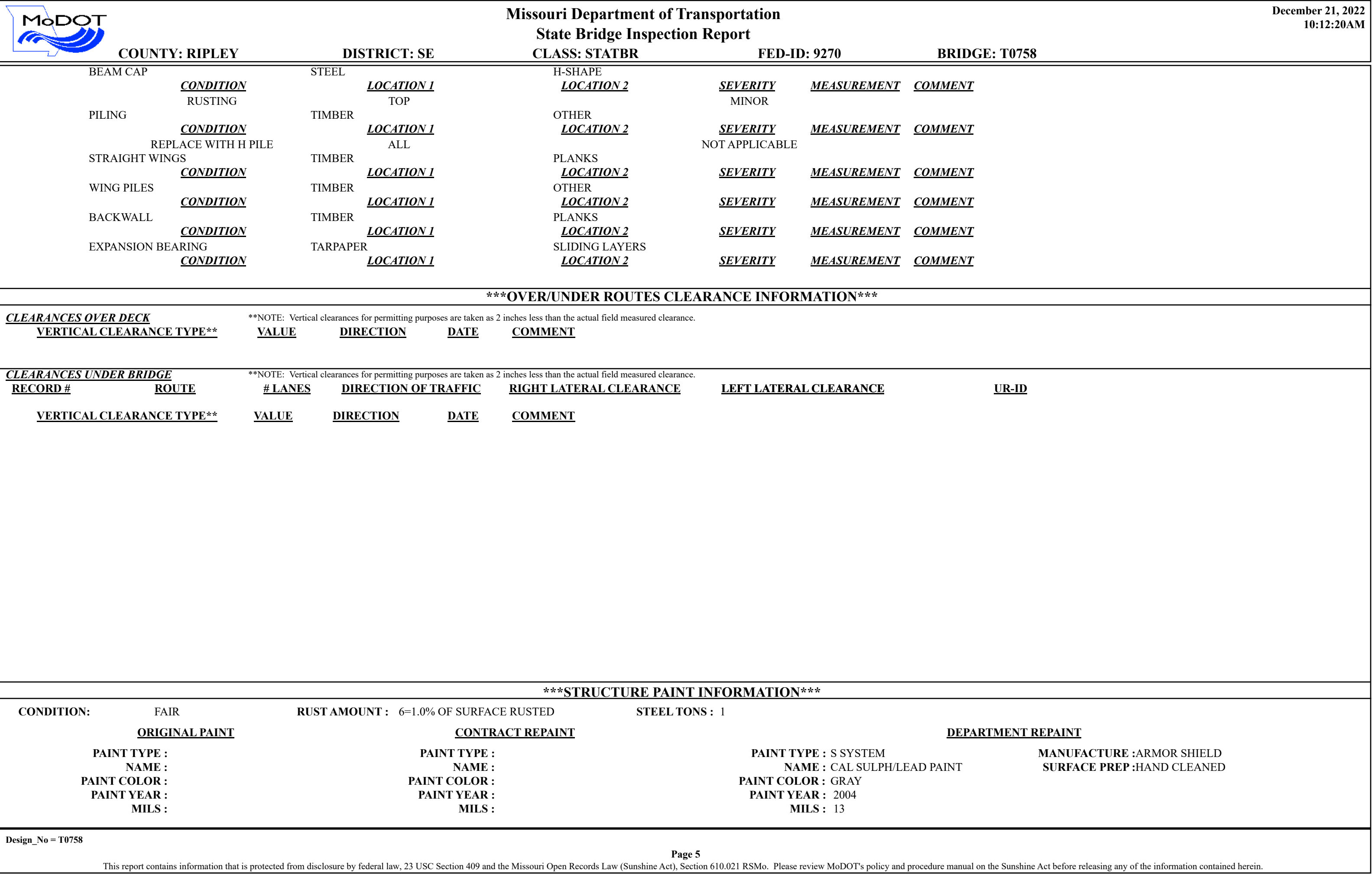
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

		Missouri Department of Transportation				December 21, 2022	
		State Bridge Inspection Report				10:12:20AM	
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270	
						BRIDGE: T0758	
DIAGONAL CRACKS		ENDS		MODERATE			
EFFLORESCENCE		RANDOM		MODERATE			
SUPERSTRUCTURE COMPONENTS							
<u>SERIES TYPE-#</u>		<u>SPAN TYPE</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		SIMPLE SPAN		REINFORCED CONCRETE		SOLID SLAB	
<u>SPAN</u>		<u>COMPOSITE INDICATOR</u>		<u>LENGTH</u>		<u>WEATHERING STEEL</u>	
MAIN SPANS-1		NON-COMPOSITE		15 FT 5 IN		NO	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
MAIN SPANS-2		NON-COMPOSITE		15 FT 5 IN		NO	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
SUBSTRUCTURE COMPONENTS							
<u>SUBSTRUCTURE</u>		<u>SKEW</u>		<u>LENGTH</u>		<u>MATERIAL</u>	
ABUTMENT-1		RA-30 DEGREES		24 FT 10 IN		TIMBER	
<u>CONDITION</u>				<u>LOCATION 1</u>		<u>CONSTRUCTION</u>	
						<u>LOCATION 2</u>	
						<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>			
BEAM CAP		TIMBER		BEAM			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
PILING		TIMBER		OTHER			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
REPLACE WITH H PILE		1 OF 4		NOT APPLICABLE			
ROTTEN		THROUGHOUT		MINOR			
STRAIGHT WINGS		TIMBER		PLANKS			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
WING PILES		TIMBER		OTHER			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
ROTTEN		THROUGHOUT		MODERATE		(SHRUBM1, 03/05/2012)--BOTH	
BACKWALL		TIMBER		PLANKS			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
ROTTEN		THROUGHOUT		MODERATE			
EXPANSION BEARING		TARPAPER		SLIDING LAYERS			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
BENT-2		RA-30 DEGREES		25 FT 11 IN		TIMBER	
<u>CONDITION</u>				<u>LOCATION 1</u>		<u>CONSTRUCTION</u>	
						<u>LOCATION 2</u>	
						<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>			
BEAM CAP		STEEL		H-SHAPE			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
RUSTING		TOP		MINOR			
PILING		TIMBER		OTHER			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
REPLACE WITH H PILE		ALL		NOT APPLICABLE			
EXPANSION BEARING		TARPAPER		SLIDING LAYERS			
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
ABUTMENT-3		RA-30 DEGREES		24 FT 10 IN		TIMBER	
<u>CONDITION</u>				<u>LOCATION 1</u>		<u>CONSTRUCTION</u>	
						<u>LOCATION 2</u>	
						<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>			

Design_No = T0758

Page 4

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		Missouri Department of Transportation State Bridge Inspection Report			December 21, 2022 10:12:20AM				
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270		BRIDGE: T0758	

		Missouri Department of Transportation State Bridge Inspection Report			December 21, 2022 10:12:20AM				
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270		BRIDGE: T0758	

		Missouri Department of Transportation State Bridge Inspection Report			December 21, 2022 10:12:20AM				
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270		BRIDGE: T0758	

		Missouri Department of Transportation State Bridge Inspection Report			December 21, 2022 10:12:20AM				
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270		BRIDGE: T0758	

		Missouri Department of Transportation State Bridge Inspection Report			December 21, 2022 10:12:20AM				
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270		BRIDGE: T0758	

		Missouri Department of Transportation State Bridge Inspection Report			December 21, 2022 10:12:20AM				
COUNTY: RIPLEY		DISTRICT: SE		CLASS: STATBR		FED-ID: 9270		BRIDGE: T0758	

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

GENERAL WORK COMMENTS:

GENERAL WORK COMMENTS:						
RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT

*****UTILITY ATTACHMENTS*****

UTILITY ATTACHMENTS						
UTILITY	OWNER	METHOD	MEASUREMENT TYPE	VALUE	NUMBER	UTILITY ATTACHMENT COMMENT

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

PROGRAM NOTES INFORMATION					
<u>YEAR</u>	<u>PROJECT #</u>	<u>MONTH LET</u>	<u>YEAR LET</u>	<u>ITEMS</u>	<u>COMMENT</u>
2025	9S3685	0	2025	REPLACE BRIDGE	

*****COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS*****

*****COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS*****

COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS		
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.		
<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>
[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	3/12/2003
[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	3/25/2002
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001
Sufficiency Rating:	28.3%	3/8/2022
Deficiency:	STRUCTURAL	3/25/2002
Funding Eligibility:		----
Estimated New Structure Length:		----
Estimated Structure Cost:		----
Estimated Total Project Cost:		----
Year of Cost Estimate:		----

NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.

ADVANCED SIGN INFORMATION

ADVANCED SIGN INFORMATION			
SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
1	YIELD TO ONCOMING TRAFFIC		
2	B - ONE LANE BRIDGE		

OUTFALL INSPECTION INFORMATION

OUTFALL INSPECTION INFORMATION	
# OUTFALLS:	INSPECTOR:
STATUS:	DATE:
NOTES:	

Design_No = T0758

Page 6

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Design_No = T0758

Page 6

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

December 21, 2022
10:06:47am

COUNTY : RIPLEY BRIDGE : T0758 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 9/1/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION

1	State	MISSOURI
2	District	SE
3	County	RIPLEY
8	Federal ID No.	9270
27	Year Built	1949
106	Year Reconstructed	0
42A	Type of Service On	HIGHWAY
21	Structure Maintenance	STATE HIGHWAY AGENCY
22	Structure Owner	STATE HIGHWAY AGENCY
33	Br. Median Code	NO MEDIAN
37	Historical Significance	HISTORICAL SIGNIF UNKNWN
101	Parallel Struc Desg	NONE EXISTS
103	Temporary Structure	NOT TEMPORARY
112	NBIS Bridge Length	YES

ROUTE DESIGNATION INFORMATION

5A	Record Type	ROUTE CARRIED 'ON' STRUCT
5B	Route Signing Prefix	MO
5C	Designated Level of Service	MAINLINE
5D	Route Number	00142
5E	Directional Suffix	NOT APPLICABLE
7	Facility Carried	MO 142 E
12	Base Hwy. Network	YES
13A	LRS Inventory Route No.	0000001107
13B	Subroute No.	00
20	Toll Status	ON FREE ROAD
26	Functional Classification	06-RURAL MINOR ARTERIAL
28A	Lanes on Structure	01
100	STRAHNET Designation	RTE NOT A DEFENSE HWY
104	National Highway System	NOT ON NHS
105	Federal Lands Highway	NOT APPLICABLE
110	Designated Nat. Network	NO

STRUCTURE LOCATION INFORMATION

4	Place	THOMAS
	Code	72970
9	Location	S 2 T 22 N R 4 E
11	Milepoint	97.23 miles
16	Latitude	36 D 35 M 3 S
17	Longitude	90 D 36 M 41 S

STRUCTURE TRAFFIC INFORMATION

29	AADT	1137
30	AADT Year	2021
102	Direction of Traffic	ONE LANE BRIDGE FOR 2-WAY
109	AADT Truck Percent	12%
114	Future AADT	1706
115	Future AADT Year	2041

UNDERRECORD INFORMATION

6	Features Intersected	DTCH NO 2
42B	Type of Service Under	WATERWAY
28B	Lanes Under Structure	00
54A	Vert. Clearance Ref.	N/A
54B	Vert. Clearance	0 Ft. 0 In.
55A	Rt. Lat Clear Ref.	N/A
55B	Rt. Lat Clearance	0 Ft. 0 In.
56	Left Lat Clearance	0 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ
39	Nav Vertical Clear	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.
111	Nav. Pier Protection	
116	Nav. Cl. Vert. Clear	

STRUCTURE GEOMETRIC INFORMATION

10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
19	By pass Detour Length	19.38 miles
32	Approach Roadway Width	20 Ft. 0 In.
34	Skew	30.00 Degrees
35	Struct. Flared	NO
47	Total Horiz. Clear	20 Ft. 0 In.
48	Maximum Span Length	15 Ft. 5 In.
49	Structure Length	34 Ft. 1 In.
50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
51	Curb to Curb Br. Width	20 Ft. 0 In.
52	Deck Width (Out-Out)	20 Ft. 12 In.
53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = T0758 and Inventory_Appraisal_Submittal_Year = 2022



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

December 21, 2022
10:06:47am

COUNTY : RIPLEY BRIDGE : T0758 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 9/1/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	CONCRETE
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	SLAB
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	2
64	Operating Rating	24 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	15 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 28.3 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility FULL			CONDITION RATING INFORMATION		
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	58	Deck Cond. Rating	4
75B	Work Done By	Contract	59	Superstructure Cond. Rating	4
76	New Struc Length	55 Ft. 9 In.	60	Substructure Cond. Rating	5
94	Struc Improve Cost	\$ 325,000	61	Channel /Channel Protection Cond. Rating	5
95	Roadway Improve Cost	\$ 32,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 487,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	1 / 22
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	12 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	4	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	2	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	2	98	Neighboring State Code	
72	Approach Road App. Rating	8	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	8	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-5			Field Posting Category S-5		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign 17			Tonnage Values for Posting Sign 17		
General Text for Posting Sign			General Text for Posting Sign		
CENTERLINE OF BRIDGE AND TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.			CENTERLINE OF BRIDGE AND TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.		

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