

		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>June 24, 2021</div> <div>10:37:03AM</div>							
COUNTY: NEW MADRID		DISTRICT: SE		CLASS: STATBR		FED-ID: 8711		BRIDGE: S0443					
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***						
<div>ROUTE: RTES</div> <div>FEATURE: OTTER SLU DTCH</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 4.195</div> <div>DETOUR: 18.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1932</div> <div>REHAB:</div> <div>LOCATION: S 20 T 25 R 13 E</div> <div>LATITUDE: 36 47 39.54 (DMS)</div> <div>LONGITUDE: 89 40 30.18 (DMS)</div>		<div># SPANS: 3</div> <div>LANES ON: 1</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: WEST to EAST</div> <div>DIRECTION OF TRAFFIC: 1-LN/2-WAY</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: NEW MADRID</div> <div>SUB AREA: 7H42</div>		<div>PLACE CODE: 78478 WEST</div> <div>LENGTH: 71 FT 0 IN</div> <div>MAXIMUM SPAN: 30 FT 0 IN</div> <div>APPROACH ROADWAY: 21 FT 0 IN</div> <div>CURB TO CURB: 20 FT 0 IN</div> <div>OUT TO OUT: 21 FT 0 IN</div> <div>AADT: 430</div> <div>AADT YEAR: 2020</div> <div>AADT TRUCK: 10.5%</div> <div>FUTURE AADT: 667</div> <div>FUTURE AADT YEAR: 2040</div>		<div>DATE: 12/14/2020</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 12</div> <div>CALCULATED INTERVAL**: 12</div> <div>TEAM LEADER: SETH BOLLINGER</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>							
						GENERAL INSPECTION COMMENTS							
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***								
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>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>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>								
FRACTURE CRITICAL INSPECTION COMMENTS					INDEPTH INSPECTION COMMENTS								
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***								
<div>DATE: 12/14/2020</div> <div>FREQUENCY: 24</div> <div>TEAM LEADER: SETH BOLLINGER</div> <div>INSPECTOR 2:</div> <div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 24</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: HANGER PLATES</div> <div>NBI: NO</div> <div>METHOD: OTHER</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>DATE: 12/14/2020</div> <div>FREQUENCY: 60</div> <div>TEAM LEADER: SETH BOLLINGER</div> <div>INSPECTOR 2:</div> <div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 12</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: DRY</div> <div>NBI: NO</div> <div>METHOD: VISUAL</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>								
SPECIAL INSPECTION COMMENTS					UNDERWATER INSPECTION COMMENTS								
<div>(ROBINC3, 12/19/2018)--VISUAL</div> <div>(MUSSED, 03/05/2012)--NO SECTION LOSS NOTED ON HANGER PLATES (KEVIN RAITHEL) 2/29/2012</div> <div>(BOWDEJ1, 02/29/2008)--UT DATA - VISUAL 2007</div>													
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS								
<u>DATE</u>	<u>FREQUENCY</u>	<u>CATEGORY</u>	<u>NBI</u>	<u>CALCULATED INTERVAL</u>	<u>RESPONSIBILITY</u>	<u>METHOD</u>	<u>DATE</u>	<u>FREQUENCY</u>	<u>CATEGORY</u>	<u>NBI</u>	<u>CALCULATED INTERVAL</u>	<u>RESPONSIBILITY</u>	<u>METHOD</u>
05/08/2017	999	DAMAGE POST INCIDENT	NO		DISTRICT	VISUAL							
10/30/2013	120	CHANNEL CROSS SECTIONS	NO		DISTRICT	WT TAPE							
Design_No = S0443													
<div>Page 1</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>													

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COUNTY: NEW MADRID		DISTRICT: SE	CLASS: STATBR	FED-ID: 8711	BRIDGE: S0443	
STRUCTURE POSTING						
APPROVED CATEGORY: S-5		CENTERLINE OF BRIDGE AND TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.				
Ton 1: 18		Ton 2:	Ton 3:			
COMMENTS:						
FIELD CATEGORY: S-5		CENTERLINE OF BRIDGE AND TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.				
Ton 1: 18		Ton 2:	Ton 3:	PROBLEM:	PROBLEM DIRECTION:	
COMMENTS: (ROBINC3, 12/19/2018)--EB WEIGHT LIMIT SIGN MISSING						
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 09/15/2008)--(19'-30'-19') SMP WF GDR SPANS						
[ITEM 58] DECK: 5-FAIR CONDITION		COMMENTS: (DENNIB1, 01/22/2015)--TRANSVERSE CRACKS, SPALLS AND DECK POUNDING				
RATING : 12/11/2012						
[ITEM 59] SUPER: 5-FAIR CONDITION		COMMENTS:				
RATING : 12/19/2019						
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (DENNIB1, 12/13/2016)--ALL PILE REPLACED IN BENTS				
RATING : 12/13/2016		(ROBINC3, 12/19/2018)--PILE 5, ABUT 4 30% ROTTEN				
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE		COMMENTS: (BLALOR1, 01/31/2013)--GABIONS ADDED @ BT 3				
RATING : 05/18/2001						
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS:				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV		COMMENTS:				
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 02/17/2004	COMMENTS:			
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
REINFORCED CONCRETE	CURB	BOTH	(RACKEM, 05/23/2008)--SHEARED BOLTS.			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>		
REBAR EXPOSED	THROUGHOUT		MINOR			
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 = S0443						
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						BRIDGE: S0443	
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		POOR	
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>	
						.4 IN	
						<u>YEAR APPLIED</u>	
						2015	
						<u>MANUFACTURE</u>	
						GOOD	
<u>COMMENT:</u>							
		DECK PROTECTION		LIQUID SEALANT		INTERNALLY SEALED	
<u>COMMENT:</u>						2011	
						PAVON INDECK	
<u>COMMENT:</u>		MEMBRANE		NOTAPPLICABLE		NONE	
<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>	
						<u>CONSTRUCTION</u>	
						<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>	
						<u>DIRECTION</u>	
						<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		OVERHANGS				MINOR	
SCALING		THROUGHOUT				MODERATE	
SPALLS		OVERHANGS				MINOR	
TRANSVERSE CRACKS		THROUGHOUT				MODERATE	
						(ROBINC3, 01/08/2019)--W/ EFFLO & RUST	
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>	
MAP CRACKS		THROUGHOUT				FEW	
PATCHES		DRIVING SURFACE				FEW	
REBAR EXPOSED		BOTTOM				FEW	
REBAR EXPOSED		THROUGHOUT				FEW	
SCALING		THROUGHOUT				MODERATE	
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DISTRICT: SE

CLASS: STATBR

FED-ID: 8711

BRIDGE: S0443

SPALLS TRANSVERSE CRACKS		THROUGHOUT THROUGHOUT		MINOR MODERATE		(ROBINC3, 01/29/2021)--W/EFFLO	
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>	
DELAMINATION		RANDOM		MINOR			
DETERIORATION		AT JOINTS		MINOR		(BLALOR1, 05/17/2012)--4' SECTION OF ANGLE IN JOINT IS MISSING	
LONGITUDINAL CRACKS		THROUGHOUT		MINOR			
MAP CRACKS		RANDOM		FEW			
REBAR EXPOSED		OVERHANGS		MINOR			
SCALING		THROUGHOUT		MODERATE			
SPALLS		OVERHANGS		MINOR			
TRANSVERSE CRACKS		THROUGHOUT		MODERATE		(ROBINC3, 01/08/2019)--W/ EFFLO & RUST	

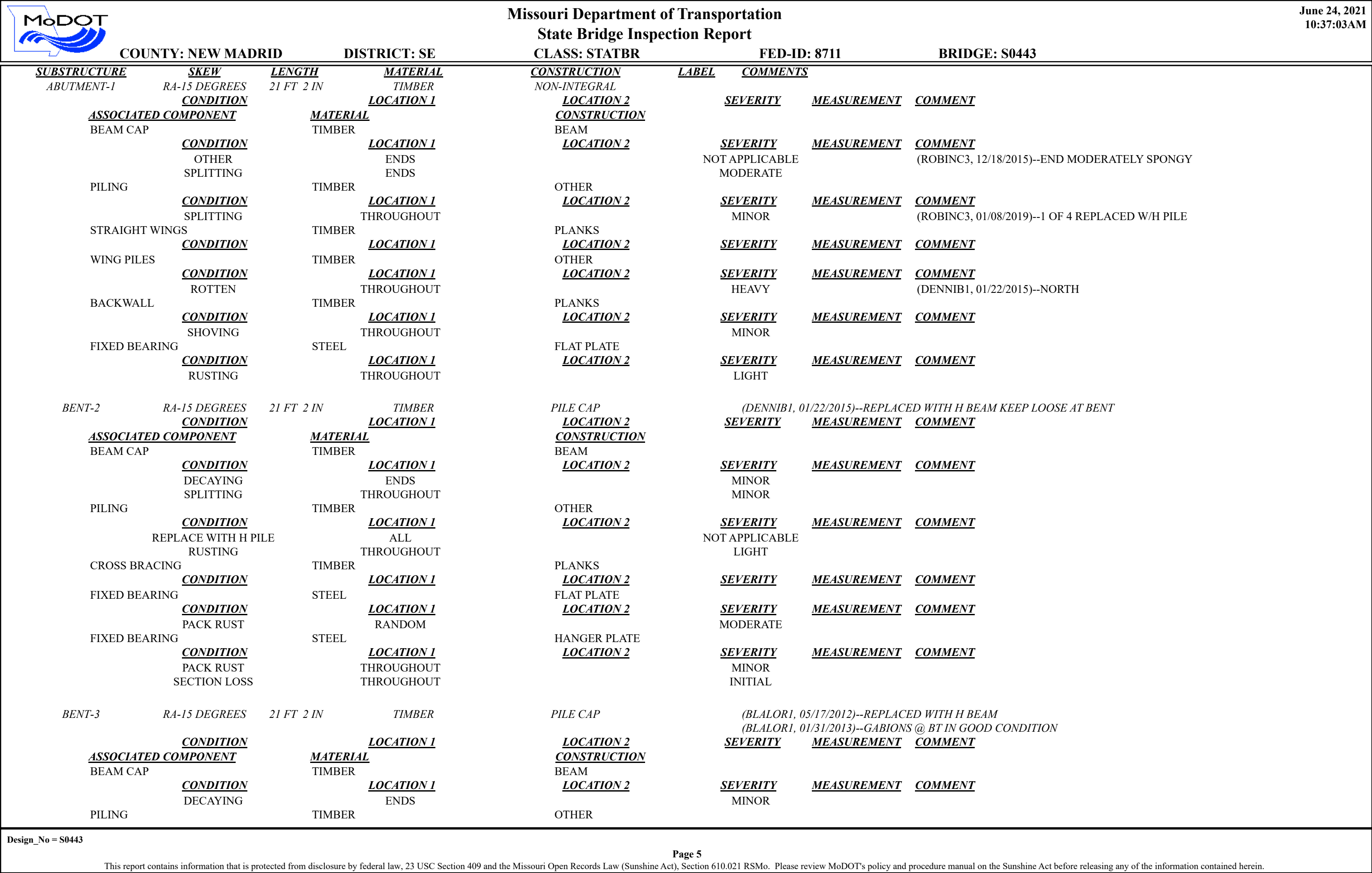
SUPERSTRUCTURE COMPONENTS

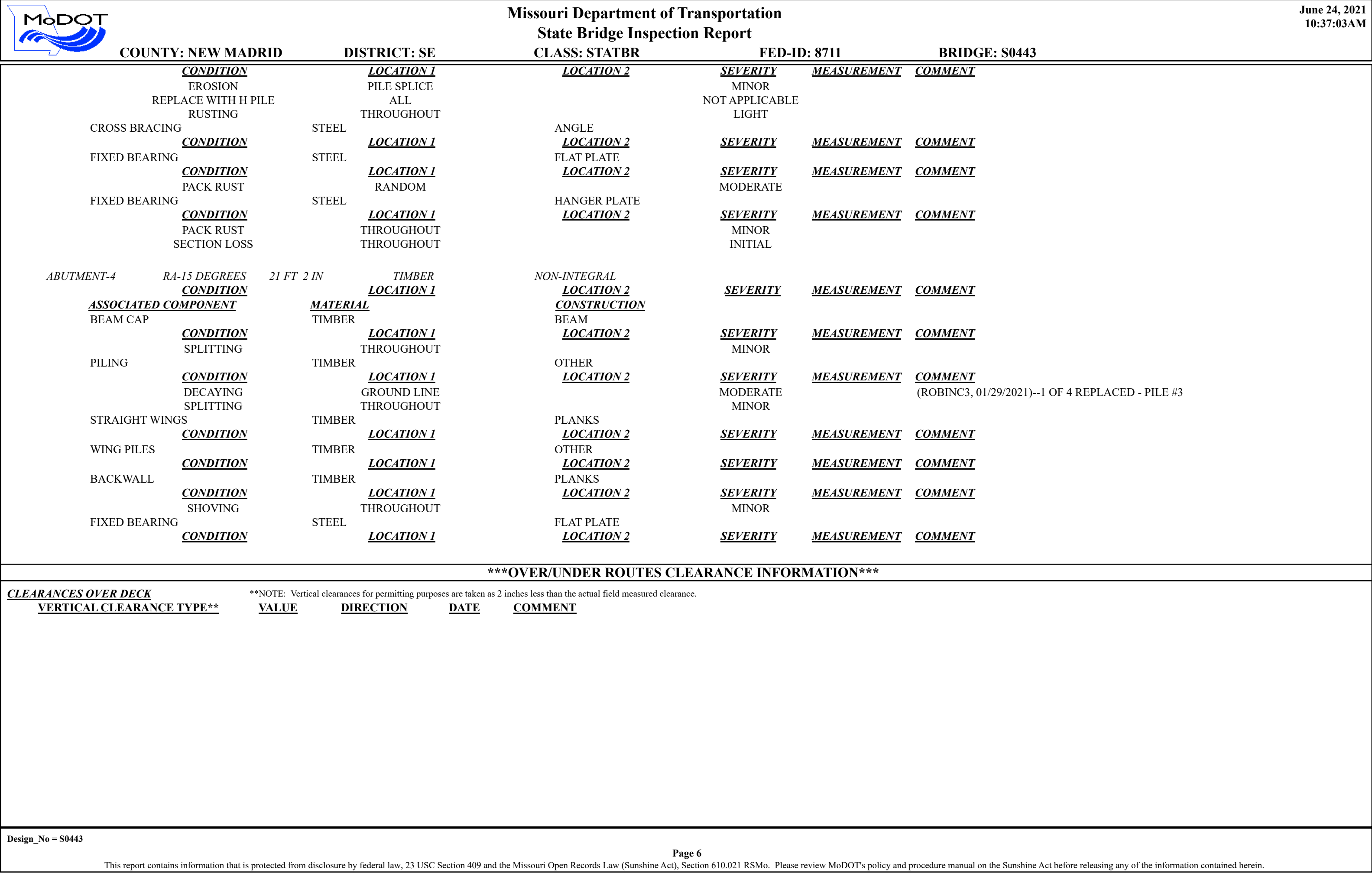
<u>SERIES TYPE-#</u>	<u>SPAN TYPE</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>
MAIN SERIES-1	SIMPLE SPAN	STEEL	WIDE FLANGE GIRDERS		
<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>	
MAIN SPANS-1	NON-COMPOSITE	19 FT 6 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
AGAINST BACKWALL	AT GIRDERS		NOT APPLICABLE		
DECK LIFTING	THROUGHOUT		MINOR	1 INCH	
PACK RUST	TOP FLANGE		MODERATE		
PUMPING RUST	TOP FLANGE		MINOR		
RUSTING	BOTTOM FLANGE		MINOR		
SECTION LOSS	TOP FLANGE		MODERATE		
MAIN SPANS-2	NON-COMPOSITE	30 FT 0 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DECK LIFTING	THROUGHOUT		MINOR		
PACK RUST	GIRDERS		HEAVY		(BLALOR1, 05/17/2012)--GIRDERS 1 & 4 @ BENTS 2 & 3
PACK RUST	TOP FLANGE		MEDIUM		
PUMPING RUST	TOP FLANGE		MINOR		
RUSTING	ENDS		MINOR		
SECTION LOSS	GIRDERS		HEAVY		(BLALOR1, 05/17/2012)--GIRDERS 1 & 4 @ BENTS 2 & 3
SECTION LOSS	TOP FLANGE		MODERATE		(ROBINC3, 01/08/2019)--MIDSPAN OF GIRDERS 1 & 4
SECTION LOSS	WEB		INITIAL		(ROBINC3, 01/08/2019)--INITIAL @ BENT 3 & 2 CONNECTION PLATES
MAIN SPANS-3	NON-COMPOSITE	19 FT 6 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
AGAINST BACKWALL	AT GIRDERS		NOT APPLICABLE		(ROBINC3, 12/08/2015)--GIRDER 1 DEFLECTING FROM SEVERE BACKWALL SHOVING
DECK LIFTING	THROUGHOUT		MINOR		(BLALOR1, 01/31/2013)--POUNDING SEVERLY @ BT 3
OTHER	THROUGHOUT		NOT APPLICABLE		(ROBINC3, 12/08/2015)--PUMPING RUST MINOR
PACK RUST	TOP FLANGE		MEDIUM		
SECTION LOSS	GIRDER ENDS		INITIAL		
SECTION LOSS	TOP FLANGE		MODERATE		(ROBINC3, 01/29/2021)--SOUTH SIDE IS GONE FROM SECTION LOSS - PLATED
SECTION LOSS	WEB		INITIAL		(ROBINC3, 01/29/2021)--GIRDER 4 @ MIDSPAN - PLATED

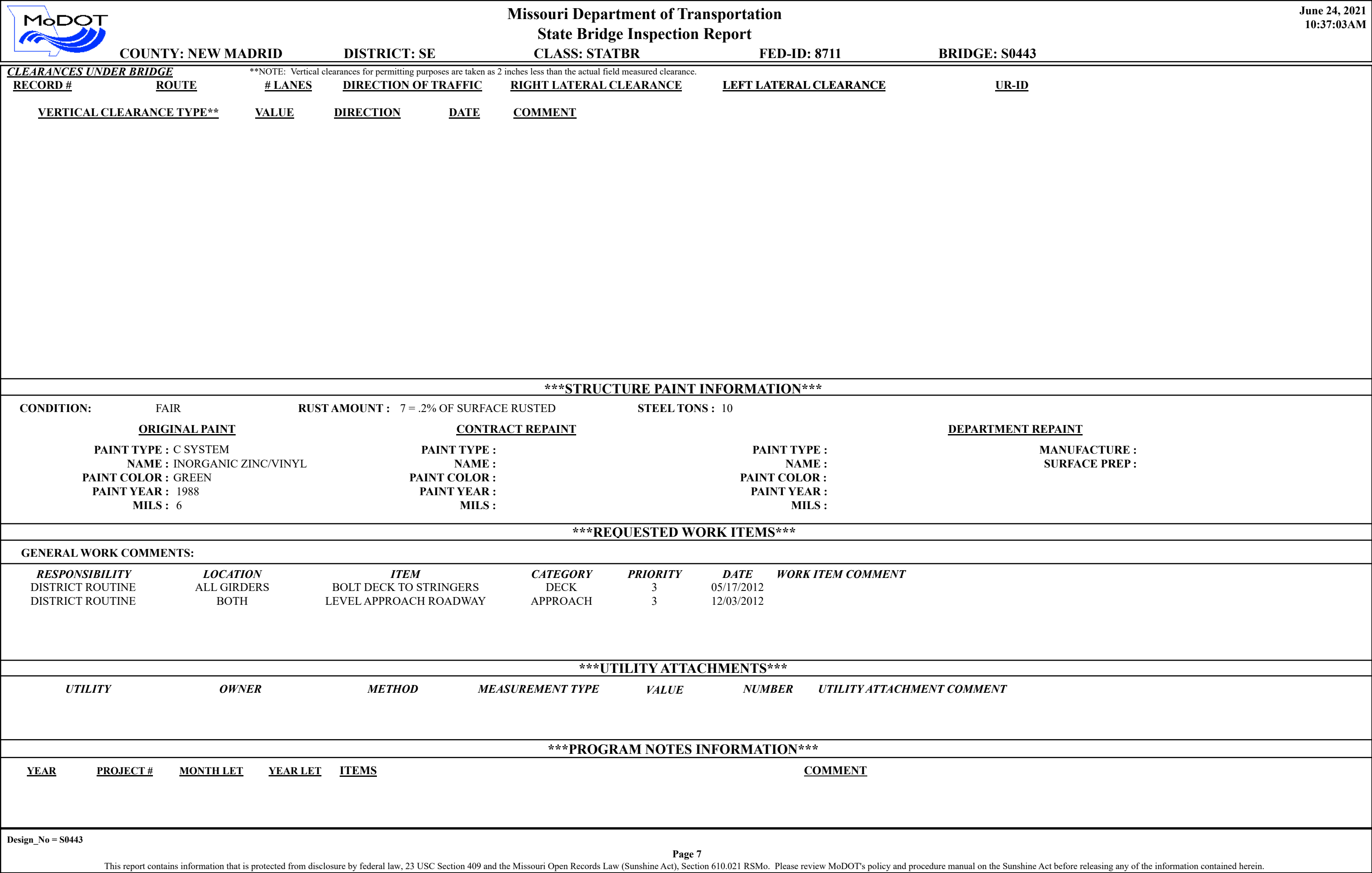
SUBSTRUCTURE COMPONENTS


Design_No = S0443

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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>					1	
<u>Rating</u>					YIELD TO ONCOMING TRAFFIC	
<u>Rating Date</u>					2	
[Item 67] Structure Evaluation Rating: 4-MEETS MINIMUM TOLERABLE					B - ONE LANE BRIDGE	
[Item 68] Deck Geometry Rating: 3-BASICALLY INTOL CORRECT						
[Item 69] Underclearance: N-NOT APPLICABLE						
Sufficiency Rating: 48.0%						
Deficiency: FUNCTIONAL						
Funding Eligibility: FULL						
Estimated New Structure Length: 98 FT.						
Estimated Structure Cost: \$340,981						
Estimated Total Project Cost: \$511,471						
Year of Cost Estimate: 2021						
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:	