

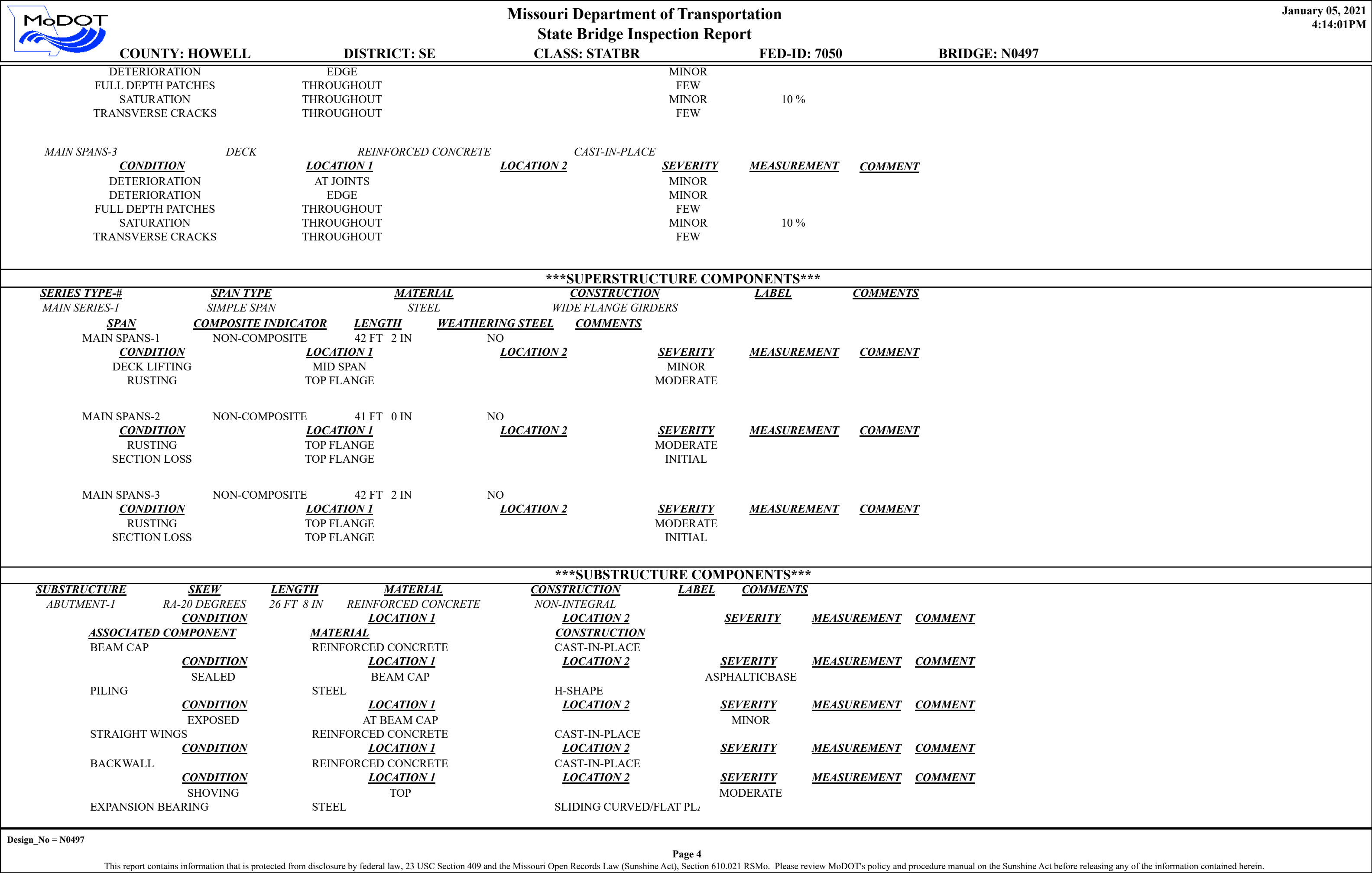
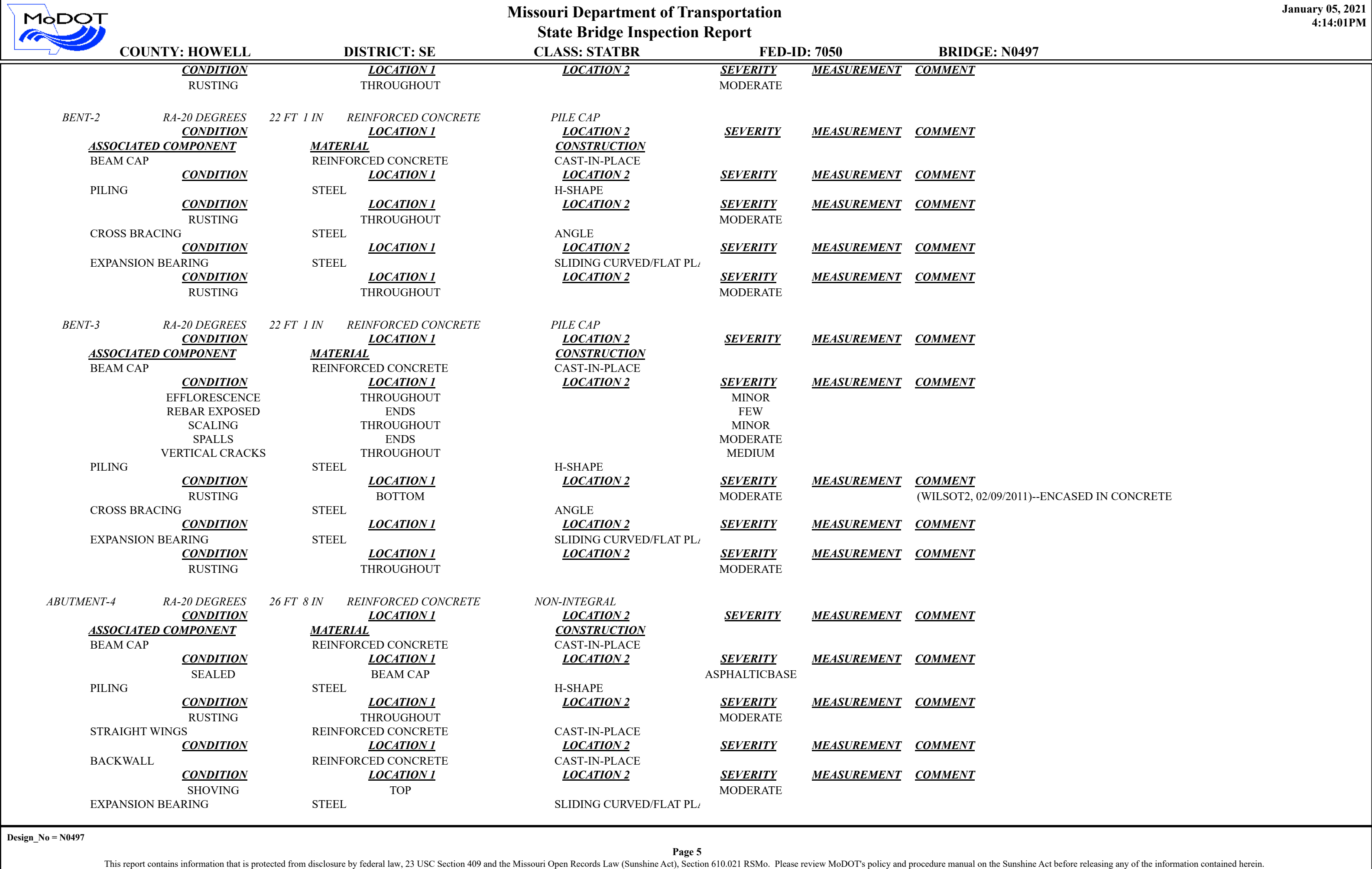

		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>January 05, 2021</div> <div>4:14:01PM</div>			
COUNTY: HOWELL		DISTRICT: SE		CLASS: STATBR		FED-ID: 7050		BRIDGE: N0497	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: RTZZE</div> <div>FEATURE: HOWELL CR</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 1.387</div> <div>DETOUR: 99.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1959</div> <div>REHAB: 2004</div> <div>LOCATION: S 36 T 24 R 8 W</div> <div>LATITUDE: 36 42 38.72 (DMS)</div> <div>LONGITUDE: 91 48 3.18 (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: HOWELL</div> <div>SUB AREA: 7H50</div>		<div>PLACE CODE: 33382 HOWELL</div> <div>LENGTH: 125 FT 0 IN</div> <div>MAXIMUM SPAN: 42 FT 2 IN</div> <div>APPROACH ROADWAY: 20 FT 0 IN</div> <div>CURB TO CURB: 20 FT 0 IN</div> <div>OUT TO OUT: 23 FT 2 IN</div> <div>AADT: 1362</div> <div>AADT YEAR: 2019</div> <div>AADT TRUCK: 8.9%</div> <div>FUTURE AADT: 2043</div> <div>FUTURE AADT YEAR: 2039</div>		<div>DATE: 12/08/2020</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 12</div> <div>CALCULATED INTERVAL**: 12</div> <div>TEAM LEADER: DAVID PROCK</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2: MELANIE RICKARD-ELMOINSPECTOR 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: 12/12/2017</div> <div>FREQUENCY: 72</div> <div>TEAM LEADER: DAVID PROCK</div> <div>INSPECTOR 2: RODNEY WILES (NTLQ)</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 41</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</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>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				
<div>Design_No = N0497</div>									
<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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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:						
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(42'-41'-42') SMP WF GDR SPANS						
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (DENNIB1, 12/18/2014)--T-CRACKS & SATURATION				
RATING : 12/18/2018		(DENNIB1, 12/18/2018)--50% SAT. SPAN 1				
[ITEM 59] SUPER: 6-SATISFACTORY CONDITION		COMMENTS: (DENNIB1, 12/18/2014)--RUSTING TOP FLANGE				
RATING : 12/15/2016						
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (DENNIB1, 12/18/2014)--VERTICLE CRACKS				
RATING : 12/13/2017		(DENNIB1, 12/15/2016)--SPALLS W/ REBAR EXPOSED				
		(DENNIB1, 12/13/2017)--PILING EXPOSED AT ABUTMENTS				
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE		COMMENTS: (DENNIB1, 12/21/2016)--MAJOR DAMAGE TO WEST EMBANKMENT				
RATING : 12/18/2019						
[ITEM 113] SCOUR: 7-PROBLEMS CORRECTED		COMMENTS: (DENNIB1, 12/18/2018)--SCOUR REPAIR MADE				
RATING : 12/18/2018						
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 : 01/26/2009	COMMENTS:			
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
STEEL	ANGLE-DOUBLE	BOTH				
REINFORCED CONCRETE	CURB	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 = N0497						
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				BRIDGE: N0497			
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			
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>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		ROCK		GROUTED		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>	
DETERIORATION		AT JOINTS				MINOR	
DETERIORATION		EDGE				MODERATE	
FULL DEPTH PATCHES		THROUGHOUT				FEW	
SATURATION		THROUGHOUT				MODERATE	
TRANSVERSE CRACKS		THROUGHOUT				FEW	
						50 %	
MAIN SPANS-2		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		AT JOINTS				MINOR	
Design_No = N0497							
Page 3							
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						BRIDGE: N0497	
<u>CONDITION</u> RUSTING		<u>LOCATION 1</u> THROUGHOUT		<u>LOCATION 2</u>		<u>SEVERITY</u> MODERATE	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
OVER/UNDER ROUTES CLEARANCE INFORMATION							
<u>CLEARANCES OVER DECK</u>		**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>	
<u>CLEARANCES UNDER BRIDGE</u>		**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.					
<u>RECORD #</u>		<u>ROUTE</u>		<u># LANES</u>		<u>DIRECTION OF TRAFFIC</u>	
						<u>RIGHT LATERAL CLEARANCE</u>	
						<u>LEFT LATERAL CLEARANCE</u>	
						<u>UR-ID</u>	
<u>VERTICAL CLEARANCE TYPE**</u>		<u>VALUE</u>		<u>DIRECTION</u>		<u>DATE</u>	
						<u>COMMENT</u>	
STRUCTURE PAINT INFORMATION							
CONDITION: FAIR		RUST AMOUNT : 7 = .2% OF SURFACE RUSTED			STEEL TONS : 26		
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>			<u>DEPARTMENT REPAINT</u>		
PAINT TYPE :		PAINT TYPE :			PAINT TYPE : A SYSTEM		MANUFACTURE :
NAME :		NAME :			NAME : RED LEAD		SURFACE PREP :
PAINT COLOR :		PAINT COLOR :			PAINT COLOR : ALUMINUM		
PAINT YEAR :		PAINT YEAR :			PAINT YEAR : 1987		
MILS :		MILS :			MILS : 6		
REQUESTED WORK ITEMS							
GENERAL WORK COMMENTS:							
<u>RESPONSIBILITY</u>		<u>LOCATION</u>		<u>ITEM</u>		<u>CATEGORY</u>	
						<u>PRIORITY</u>	
						<u>DATE</u>	
						<u>WORK ITEM COMMENT</u>	
UTILITY ATTACHMENTS							
Design_No = N0497							
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UTILITY		OWNER		METHOD		MEASUREMENT TYPE		VALUE		NUMBER		UTILITY ATTACHMENT		COMMENT																																						
PROGRAM NOTES INFORMATION																																																				
<u>YEAR</u> 2023		<u>PROJECT #</u> J9S3565		<u>MONTH LET</u> 1		<u>YEAR LET</u> 2023		<u>ITEMS</u> REPLACE BRIDGE		<u>COMMENT</u>																																										
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS										***ADVANCED SIGN INFORMATION***																																										
<div>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.</div> <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>1/3/2014</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>2-BASICALLY INTOLRBLE REQ</td><td>2/8/2017</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>33.4%</td><td>12/19/2018</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>1/3/2014</td></tr><tr><td>Funding Eligibility:</td><td>FULL</td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td>154 FT.</td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td>\$535,827</td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td>\$803,741</td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td>2020</td><td>----</td></tr></table> <div>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.</div>										<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	2-BASICALLY INTOLRBLE REQ	1/3/2014	[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	2/8/2017	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	33.4%	12/19/2018	Deficiency:	STRUCTURAL	1/3/2014	Funding Eligibility:	FULL	----	Estimated New Structure Length:	154 FT.	----	Estimated Structure Cost:	\$535,827	----	Estimated Total Project Cost:	\$803,741	----	Year of Cost Estimate:	2020	----	<table><tr><td><u>SIGN #</u> 1</td><td><u>SIGN TYPE</u></td><td><u>PROBLEM</u></td><td><u>PROBLEM DIRECTION</u></td></tr></table>						<u>SIGN #</u> 1	<u>SIGN TYPE</u>	<u>PROBLEM</u>	<u>PROBLEM DIRECTION</u>
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