September 19, 2024 12:34:39PM

Missouri Department of Transportation State Bridge Inspection Report

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: MO19S # SPANS:** 6 PLACE CODE: 23608 FALLING SPRING **DATE:** 08/22/2023 **RESPONSIBILITY: BRIDGEDIV** LANES ON: 2 FEATURE: ELEVEN POINT RVR LENGTH: 364 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24** LANES UNDER: 0 **STATUS:** P-POSTLOAD MAXIMUM SPAN: 91 FT 1 IN **TEAM LEADER: CURT RICKERSON ELEMENT: NO LOG MILE: 238.403 COMPASS DIRECTION: NORTH to SOUTH** APPROACH ROADWAY: 20 FT 0 IN **INSPECTOR 2:** RANDY WEAVER **INSPECTOR 4: DETOUR: 80.00 MILES DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 22 FT 0 IN INSPECTOR 3: OUT TO OUT: 23 FT 4 IN** NHS: NO **FUNCTIONAL CLASS: RL-MINOR ARTERIAL** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1934 **NBI OWNER: MODOT AADT:** 1426 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** (RICKEC, 08/23/2023)--CLOSED BRIDGE TO INSPECT W/ B-32 MAINTENANCE DISTRICT: SE LOCATION: S 31 T 25 R 3 W **AADT TRUCK:** 7.1% **LATITUDE:** 36 47 39.20 (DMS) **MAINTENANCE COUNTY: OREGON FUTURE AADT: 2139 LONGITUDE:** 91 20 .73 (DMS) SUB AREA: 7H02 **FUTURE AADT YEAR: 2043** ***FRACTURE CRITICAL INSPECTION INFORMATION*** ***INDEPTH INSPECTION INFORMATION*** **DATE:** 08/22/2023 **RESPONSIBILITY: BRIDGEDIV CATEGORY: PONY TRUSS CATEGORY:** DATE: **RESPONSIBILITY:** FREQUENCY: 24 CALCULATED INTERVAL**: 24 **NBI:** YES **FREQUENCY: CALCULATED INTERVAL**: NBI**: **TEAM LEADER: CURT RICKERSON INSPECTOR 3: METHOD:** SNOOPER **TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2:** RANDY WEAVER **INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. FRACTURE CRITICAL INSPECTION COMMENTS **INDEPTH INSPECTION COMMENTS** ***SPECIAL INSPECTION INFORMATION*** ***UNDERWATER INSPECTION INFORMATION*** **DATE:** 04/18/2023 **CATEGORY: OUALITY ASSURANCE CATEGORY: SHALLOW-WADE RESPONSIBILITY: BRIDGEDIV DATE:** 08/24/2021 **RESPONSIBILITY: DIVETEAM** FREOUENCY: 999 **NBI:** NO NBI: NO **CALCULATED INTERVAL**:** FREOUENCY: 60 CALCULATED INTERVAL**: TEAM LEADER: TERRY L SHUNAMON **INSPECTOR 3: METHOD: TEAM LEADER: JEFF MADSEN INSPECTOR 3: METHOD: PROBE INSPECTOR 2:** JESSE ELSEMAN **INSPECTOR 4: INSPECTOR 2:** STEVE HULBERT **INSPECTOR 4:** * When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. SPECIAL INSPECTION COMMENTS **UNDERWATER INSPECTION COMMENTS** (SHUNAT1, 04/20/2023)--USING THE FIELD VERIFICATION MODEL (FVM) - AS A THIRD PARTY INSPECTOR, I TOOK THE PREVIOUS INSP REPORT INTO THE FIELD AND VERIFIED THOROUGHNESS OF REPORT WITH ASSIGNED CONDITION AND APPRAISAL RATINGS OTHER SPECIAL INSPECTIONS OTHER UNDERWATER INSPECTIONS DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** NO WT TAPE CHANNEL CROSS 71 DISTRICT 06/06/2019 72 **SECTIONS** 999 CLIMBER 09/02/2009 **GUSSET PLATES** NO **BRIDGEDIV**

September 19, 2024 12:34:39PM

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344

STRUCTURE POSTING **APPROVED CATEGORY: S-7** TRUCKS OVER 38 TONS 15 MPH ON BRIDGE. **Ton 3: Ton 1:** 38 **Ton 2: COMMENTS:** FIELD CATEGORY: S-7 TRUCKS OVER 38 TONS 15 MPH ON BRIDGE. PROBLEM: **Ton 1:** 38 **Ton 2: Ton 3:** PROBLEM DIRECTION: **COMMENTS:** ***GENERAL COMMENTS/MAJOR RATED ITEMS*** GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(47'-47'-48') SMP WF - (91'-91') SMP PONY TRUSS - (38') SMP WF GDR SPANS COMMENTS: (MADSEJ, 08/30/2021)--APPROXIMATELY 50% SATURATION, DELAMINATIONS. AND PATCHES THROUGHOUT SPAN 4 [ITEM 58] DECK: 4-POOR CONDITION **RATING:** 08/30/2021 [ITEM 59] SUPER: 3-SERIOUS CONDITION COMMENTS: (MADSEJ, 08/30/2021)--HEAVY SECTION LOSS ON THE APPROACH GIRDER WEBS IN SPAN 3 AT THE BENT 3 BEARING AREAS. MODERATE TO HEAVY SECTION LOSS (UP TO 57% MEASURED) ON THE END LOWER GUSSET PLATES ALONG THE LOWER CHORD CONNECTIONS IN **RATING:** 08/23/2023 BOTH MAIN SPANS. (RICKEC, 08/23/2023)--SPAN 6 GIRDERS 3 & 4 WITH 50% TO 70% SECTION LOSS IN WEB AT PIER 6 BEARINGS [ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (MADSEJ, 09/25/2017)--MINOR TO MODERATE SPALLING AND DELAMINATIONS THROUGHOUT THE BENT COLUMNS AND BEAMCAPS THROUGHOUT THE STRUCTURE. **RATING:** 08/23/2023 (RICKEC, 08/23/2023)--PIER 6 WEST SIDE BEAM CAP AND COLUMN WITH 3/8" OPEN VERTICAL CRACK AND HEAVY EFFLORESCENCE ABUTMENT 1 WITH MINOR UNDERMINING NO PILINGS EXPOSED [ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE COMMENTS: (MADSEJ, 08/30/2021)--VERY POOR UPSTREAM CHANNEL ALIGNMENT THE STREAM IS FLOWING PARALLEL WITH THE STRUCTURE UNDER THE STRUCTURE. DRIFT AND DEBRIS ON THE BRIDGE PIERS IS SLIGHTLY RESTRICTING FLOW. **RATING:** 05/18/2001 **COMMENTS:** [ITEM 113] SCOUR: 8-STABLE FOR CALCULATED **RATING:** 05/18/2001 **EVALUATION TYPE:** [ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV **COMMENTS: RATING:** 05/18/2001 [ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY **COMMENTS: RATING:** 05/18/2001 ***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS*** **RATING:** 01/14/2008 [ITEM 36A] BRIDGE RAILING RATING: DOESN'T MEET CURRN'T STND-0 **COMMENTS: DIRECTION** MATERIAL **CONSTRUCTION COMMENTS** REINFORCED CONCRETE CURB **BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT** LONGITUDINAL CRACKS **THROUGHOUT FEW SCALING THROUGHOUT** HEAVY **RANDOM MINOR** VERTICAL CRACKS STEEL **CHANNEL-DOUBLE BOTH** [ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0 **RATING:** 05/18/2001 **COMMENTS: RATING:** 05/18/2001 **COMMENTS:** [ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0 Design No = K0344

MoDOT

Missouri Department of Transportation State Bridge Inspection Report

September 19, 2024 12:34:39PM

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344

[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. **CONSTRUCTION DIRECTION CONDITION* COMMENTS** ASPHALT **BITUMINOUS MAT BOTH** <u>SEVERITY</u> **CONDITION** LOCATION 1 LOCATION 2 **COMMENT** LONGITUDINAL CRACKS DRIVING SURFACE MANY TRANSVERSE CRACKS DRIVING SURFACE MANY ***DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS*** **DECK PROTECTIVE COMPONENTS: COMPONENT OVERALL CONDITION** SERIES TYPE-# **MATERIAL CONSTRUCTION THICKNESS** YEAR APPLIED **MANUFACTURE** APPROACH SERIES-1 WEARING SURFACE ASPHALTBITUMINOUS SEAL COAT 2009 *FAIR* **COMMENT: DECK PROTECTION** *NOTAPPLICABLE* NONE**COMMENT:** *MEMBRANE* **NONE** *NOTAPPLICABLE* **COMMENT:** MAIN SERIES-2 ASPHALT2009 **FAIR WEARING SURFACE** BITUMINOUS SEAL COAT **COMMENT: NONE DECK PROTECTION** *NOTAPPLICABLE* **COMMENT:** *MEMBRANE NOTAPPLICABLE* **NONE COMMENT:** APPROACH SERIES-3 **FAIR WEARING SURFACE** *ASPHALT* BITUMINOUS SEAL COAT 2009 **COMMENT:** DECK PROTECTION NONE*NOTAPPLICABLE* **COMMENT:** *MEMBRANE NOTAPPLICABLE* NONE **COMMENT: DRAINAGE COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS** DRAINAGE REINFORCED CONCRETE CURB OUTLET

September 19, 2024 12:34:39PM

Missouri Department of Transportation State Bridge Inspection Report

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344

EXPANSION DEVICE COMPONENTS:

MoDOT

MATERIAL **CONSTRUCTION OVERALL CONDITION** SUB UNIT-# SUB LABEL **COMPONENT GAP** YEAR APPLIED **MANUFACTURE** PIER-5 CLOSED EXPANSION JOINT STEEL

FLAT PLATE POOR

COMMENT:

PIER-6 CLOSED EXPANSION JOINT STEEL FLAT PLATE POOR

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS BANK PROTECTION ROCKGROUTEDBOTH***DECK COMPONENTS*** SPAN TYPE-# **CONSTRUCTION COMMENTS COMPONENT MATERIAL** APPROACH SPANS-1 DECKREINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT DETERIORATION** AT JOINTS HEAVY **DETERIORATION EDGE MODERATE EFFLORESCENCE** THROUGHOUT LIGHT **FEW** TRANSVERSE CRACKS THROUGHOUT APPROACH SPANS-2 DECK CAST-IN-PLACE REINFORCED CONCRETE **CONDITION SEVERITY** LOCATION 1 **LOCATION 2 MEASUREMENT COMMENT** THROUGHOUT **DELAMINATION BOTTOM FEW** AT JOINTS **HEAVY** DETERIORATION DETERIORATION **EDGE MODERATE** EFFLORESCENCE THROUGHOUT LIGHT 5 % SATURATION THROUGHOUT **MINOR** TRANSVERSE CRACKS THROUGHOUT **FEW** REINFORCED CONCRETE APPROACH SPANS-3 DECK CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

AT JOINTS HEAVY DETERIORATION **EDGE MODERATE** DETERIORATION EFFLORESCENCE THROUGHOUT LIGHT 10 % THROUGHOUT **MINOR** SATURATION TRANSVERSE CRACKS THROUGHOUT **FEW**

REINFORCED CONCRETE MAIN SPANS-4 DECK CAST-IN-PLACE

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** DETERIORATION AT JOINTS **MODERATE DETERIORATION EDGE** HEAVY **HEAVY EFFLORESCENCE** THROUGHOUT **FULL DEPTH PATCHES FEW** THROUGHOUT **PATCHES** THROUGHOUT FEW 50 % SATURATION THROUGHOUT **HEAVY** SPALLS **BOTTOM** THROUGHOUT FEW TRANSVERSE CRACKS THROUGHOUT MANY

Design No = K0344

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344

MAIN SPANS-5	DECK REINFORCED	CONCRETE CAST-IN	I-PI ACF		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION		THROUGHOUT	FEW	MENIOCILE MENIO	COMMENT
DELAMINATION DETERIORATION		THROUGHOUT	MINOR		
DETERIORATION			HEAVY		
EFFLORESCENCE			LIGHT		
FULL DEPTH PATCH			FEW		
PATCHES	THROUGHOUT		FEW	7.0/	
SATURATION	THROUGHOUT		MINOR	5 %	
TRANSVERSE CRAC	CKS THROUGHOUT		MANY		
APPROACH SPANS-6	DECK REINFORCED	CONCRETE CAST-IN	I-PI 4CF		
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
		LOCATION 2		MEASUREMENT	COMMENT
DETERIORATION			MINOR		
DETERIORATION			HEAVY		
EFFLORESCENCE			LIGHT		
PATCHES	AT JOINTS		LARGE		
SATURATION	THROUGHOUT		MINOR	10 %	
TRANSVERSE CRAC	CKS THROUGHOUT		MANY		
			STRUCTURE COMP		
SERIES TYPE-#	<u>SPAN TYPE</u> <u>MATE</u>			<u>LABEL</u>	<u>COMMENTS</u>
APPROACH SERIES-1	SIMPLE SPAN STE				
<u>SPAN</u> <u>C</u>	COMPOSITE INDICATOR LENGTH	WEATHERING STEEL COMM	<u>ENTS</u>		
APPROACH SPANS-1	NON-COMPOSITE 47 FT 7 IN	NO			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
DECK LIFTING	AT JOINTS	·	CONSIDERABLE	.75 INCH	
RUSTING	THROUGHOUT		LIGHT		
SECTION LOSS	BOTTOM FLANGE		MINOR		(MADSEJ, 08/30/2021)AT BENT BEARINGS
					(RICKEC, 08/23/2023)ALL GIRDERS AT BENT 2
SECTION LOSS	TOP FLANGE		MEDIUM		(Refile, vo.23/2026) Tibb GROBERT BERT 2
APPROACH SPANS-2	NON-COMPOSITE 47 FT 6 IN	NO			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DECK LIFTING	AT JOINTS	<u> </u>	MODERATE	.5 INCH	
SECTION LOSS	BOTTOM FLANGE		MEDIUM	.5 114011	(RICKEC, 08/23/2023)GIRDER 2 AT BENT 3
SECTION LOSS	DIAPHRAGMS		ADVANCED		(RICKLE, 00/23/2023)GIRDLR 2 AT DENT 3
					(MADCEL 09/20/2021) AN ADEA OF MODED ATE SECTION LOSS (220/ MEASURED) ON THE
SECTION LOSS	GDR1		MODERATE		(MADSEJ, 08/30/2021)AN AREA OF MODERATE SECTION LOSS (33% MEASURED) ON THE
SECTION LOSS	GDR3		MODERATE		BOTTOM 2/3 OF THE WEB IN THE BENT 2 BEARING AREA. (MADSEJ, 08/30/2021)AN AREA OF MODERATE SECTION LOSS (22% MEASURED) ON THE TO
SECTION LOSS	CAUD		WIODEKAIE		OF THE WEB IN THE BENT 2 BEARING AREA.
SECTION LOSS	GDR4		ADVANCED		(MADSEJ, 08/30/2021)AN AREA OF ADVANCED SECTION LOSS (74% MEASURED) ON THE TOI
2201101. 2000	2211.				OF THE WEB IN THE BENT 2 BEARING AREA.
					AN AREA OF MODERATE SECTION LOSS (33% MEASURED) ON THE BOTTOM OF THE WEB IN
					THE BENT 2 BEARING AREA.
SECTION LOSS	TOP FLANGE		MEDIUM		(RICKEC, 08/23/2023)ALL GIRDERS AT BENT 3
	TOT TEMNOE		WILDIOWI		(Telle, vo. 20. 2020) The Gradient Deliver
APPROACH SPANS-3	NON-COMPOSITE 48 FT 3 IN	NO			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DECK LIFTING	AT JOINTS		MODERATE	.5 INCH	
DECKER TING	711 0011(10				
D N V0244					

MODOT

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344 AT BEARING MODERATE (MADSEJ, 08/30/2021)--AN AREA OF MODERATE SECTION LOSS (16% TO 25% MEASURED) ON SECTION LOSS THE BOTTOM 1/4 TO 1/3 OF THE GIRDER 1, GIRDER 2, AND GIRDER 4 WEB AT THE PIER 4 BEARING AREA. GDR1 (MADSEJ, 08/30/2021)--AN AREA OF MODERATE SECTION LOSS (33% MEASURED) ON THE SECTION LOSS **MODERATE** 100% OF THE WEB IN THE BENT 3 BEARING AREA. (RICKEC, 08/23/2023)--GIRDER 1 HAS 50% SECTION LOSS IN WEB AT BENT 3 BEARING AREA GDR2 (MADSEJ, 08/30/2021)--AN AREA OF MODERATE SECTION LOSS (22% MEASURED) ON THE TOI SECTION LOSS **MODERATE** OF THE WEB IN THE BENT 3 BEARING AREA. AN AREA OF MODERATE SECTION LOSS (29% MEASURED) ON THE BOTTOM OF THE WEB IN THE BENT 3 BEARING AREA. SECTION LOSS GDR4 (MADSEJ, 08/30/2021)--AN AREA OF MODERATE SECTION LOSS (33% MEASURED) ON THE **MODERATE** 100% OF THE WEB IN THE BENT 3 BEARING AREA. (RICKEC, 08/23/2023)--ALL GIRDERS AT BENT 3 AND PIER 4 SECTION LOSS **TOP FLANGE ADVANCED** MAIN SERIES-2 STEEL SIMPLE SPAN **PONY TRUSS WEATHERING STEEL COMPOSITE INDICATOR LENGTH COMMENTS** <u>SPAN</u> MAIN SPANS-4 NON-COMPOSITE 91 FT 1 IN NO (MADSEJ, 11/25/2019)--SEE THE FRACTURE CRITICAL ELEMENT TABLE FOR COMPONENT CONDITIONS. **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** MAIN SPANS-5 NON-COMPOSITE 91 FT 1 IN (MADSEJ, 11/25/2019)--SEE THE FRACTURE CRITICAL ELEMENT TABLE FOR COMPONENT CONDITIONS. LOCATION 2 **SEVERITY CONDITION** LOCATION 1 **MEASUREMENT COMMENT** APPROACH SERIES-3 STEELWIDE FLANGE GIRDERS SIMPLE SPAN **WEATHERING STEEL SPAN COMPOSITE INDICATOR LENGTH COMMENTS** APPROACH SPANS-6 NON-COMPOSITE 38 FT 2 IN NO

<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PACK RUST	TOP FLANGE		HEAVY		
SECTION LOSS	BOTTOM FLANGE		MODERATE		(MADSEJ, 08/30/2021)AT PIER BEARINGS
SECTION LOSS	GDR3		HEAVY		(MADSEJ, 08/30/2021)AN AREA OF HEAVY SECTION LOSS (41% MEASURED) ON THE BOTTO!
					OF THE WEB IN THE PIER 7 BEARING AREA.
					(RICKEC, 08/23/2023)NOW 50% SECTION LOSS IN WEB OFGIRDER 3 AT PIER 7 BEARING ARE.
SECTION LOSS	GDR4		ADVANCED		(MADSEJ, 08/30/2021)AN AREA OF ADVANCED SECTION LOSS (68% MEASURED) ON THE
					BOTTOM OF THE WEB IN THE PIER 7 BEARING AREA.

SUBSTRUCTURE COMPONENTS										
<u>SUBSTRUCTURE</u>	<u>SKEW</u>	LENGTH	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u> <u>COMMENTS</u>	<u>S</u>				
ABUTMENT-1		22 FT 6 IN	REINFORCED CONCRETE	OPEN CONCRETE						
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>			
<u>ASSOCIATE</u>	D COMPONENT	<u>MA7</u>	<u>TERIAL</u>	<u>CONSTRUCTION</u>						
BEAM CAP		REII	NFORCED CONCRETE	CAST-IN-PLACE						
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>			
	SEALED		TOP	THROUGHOUT	ASPHALTICBASE					
	VERTICAL CRACK	S	THROUGHOUT		FEW					
COLUMN		REII	NFORCED 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	REII	NFORCED 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		REII	NFORCED CONCRETE	SPREAD						
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>			
BACKWALL	ı	REII	NFORCED CONCRETE	CAST-IN-PLACE						
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>			

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344 STEEL SLIDING CURVED/FLAT PLA **EXPANSION BEARING SEVERITY CONDITION LOCATION 1** MEASUREMENT COMMENT **LOCATION 2 RUSTING THROUGHOUT MEDIUM** BENT-2 22 FT 6 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT DELAMINATION BOTTOM THROUGHOUT** LARGE **DETERIORATION ENDS MINOR EAST SEALED** TOP **THROUGHOUT ASPHALTICBASE** VERTICAL CRACKS THROUGHOUT **FEW** COLUMN CAST-IN-PLACE REINFORCED CONCRETE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **DELAMINATION** TOP **THROUGHOUT FEW** HIGH STEEL SPALLS **FEW THROUGHOUT FOOTING** REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 **LOCATION 2** SEVERITY **MEASUREMENT COMMENT** FIXED BEARING STEEL CURVED PLATE(ROTATING **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT PACK RUST THROUGHOUT HEAVY BENT-3 22 FT 6 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 **SEVERITY LOCATION 2** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** REINFORCED CONCRETE BEAM CAP **CAST-IN-PLACE CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT COMMENT **DELAMINATION BOTTOM THROUGHOUT FEW DETERIORATION ENDS EAST MINOR SEALED** TOP **THROUGHOUT** ASPHALTICBASE COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **SPALLS** MINOR RANDOM **FOOTING** REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT COMMENT FIXED BEARING STEEL PEDESTAL(ROTATING) **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT PACK RUST THROUGHOUT **MEDIUM EXPANSION BEARING** STEEL SLIDING CURVED/FLAT PLA **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT COMMENT **MEDIUM** PACK RUST THROUGHOUT PIER-4 27 FT 11 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT DETERIORATION ENDS WEST MODERATE SEALED** TOP **THROUGHOUT** ASPHALTICBASE **SPALLS** THROUGHOUT **SMALL** COLUMN REINFORCED CONCRETE CAST-IN-PLACE

COL	JNTY: OREGON	DISTRICT: SE	CLASS: STATBR	FED-ID): 5778	BRIDGE: K0344
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
	EFFLORESCENCE	THROUGHOUT		HEAVY		(DENNIB1, 09/10/2015)MAP CRAKING-HVY
	VERTICAL CRACKS	RANDOM		MEDIUM		(RICKEC, 08/23/2023)AT COLUMN 2
FOOTING		REINFORCED CONCRETE	SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
WEB BEAM		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
FIXED BEA		STEEL	PEDESTAL(ROTATING)			
11122 22.	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
FXPANSIO	N BEARING	STEEL	SLIDING CURVED/FLAT PL			
EMINIO	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
	PACK RUST	THROUGHOUT	<u>EU CATTOI V E</u>	MEDIUM	MENSUREMENT	COMMENT
	TACK ROST	THROUGHOUT		MEDIUM		
DIED 5	27.1					
PIER-5		FT 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN	CELEDIAN	ME ACUDEMENT	COMMENT
AGGOGLAT	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
•	ED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>			
BEAM CAI		REINFORCED CONCRETE	CAST-IN-PLACE	CEL EDITE	165 (64555165)	CONTACTIVE
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	
	SEALED	TOP	THROUGHOUT	ASPHALTICBASE		(RICKEC, 08/23/2023)WEARING THIN
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>
	EFFLORESCENCE	THROUGHOUT		HEAVY		
	SPALLS	RANDOM		MINOR		
	VERTICAL CRACKS	THROUGHOUT		MANY		
FOOTING		REINFORCED CONCRETE	SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
WEB BEAM	A	REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
	HIGH STEEL SPALLS	RANDOM		FEW		
FIXED BEA	ARING	STEEL	PEDESTAL(ROTATING)			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSIO	N BEARING	STEEL	ROCKER			
	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
	PACK RUST	RANDOM		HEAVY		(RICKEC, 08/23/2023)SPAN 4 ROCKERS HEAVY PACK RUST AROUND PIN AREA
PIER-6	27.1	FT 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
FIER-0	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
ASSOCIAT		<u>LOCATION I</u> MATERIAL	CONSTRUCTION	<u>SEVERITI</u>	MEASUREMENT	COMMENT
	<u>ED COMPONENT</u>					
BEAM CAI		REINFORCED CONCRETE	CAST-IN-PLACE	CELEDITY	ME ACUDEMENT	COMMENT
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	SEALED SEAL OF A CHIC	TOP	THROUGHOUT	ASPHALTICBASE		(DIGHEG AN AN AN AND THE CIDE
COLLEGE	VERTICAL CRACKS	CAP FACE	GAGE DANGE	OPEN		(RICKEC, 08/23/2023)WEST SIDE
COLUMN	COMPUTION	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBIAN	ME (CUDENCE)	COMMENT
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	EFFLORESCENCE	THROUGHOUT		HEAVY		(DISTING AS (AA (AAA) AA AAA) AA AA AA AA AA AA AA AA AA
	VERTICAL CRACKS	RANDOM	app F : 5	OPEN		(RICKEC, 08/23/2023)ON COLUMN 2
FOOTING	~~~~~~	REINFORCED CONCRETE	SPREAD	~~··~-		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	EXPOSED	TOP	THROUGHOUT	FULL		
WEB BEAM		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>
	HIGH STEEL SPALLS	THROUGHOUT		FEW		

Missouri Department of Transportation
State Bridge Inspection Report

September 19, 2024
12:34:39PM

		8 1	1		
COUNTY: OREGON	DISTRICT: SE	CLASS: STATBR	FED-ID	: 5778	BRIDGE: K0344
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL	ıl		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
PACK RUST	THROUGHOUT		MEDIUM		
EXPANSION BEARING	STEEL	ROCKER			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
RUSTING	THROUGHOUT		LIGHT		
ABUTMENT-7	22 FT 6 IN REINFORCED CONCRETE	OPEN CONCRETE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
	<u>LOCATION 1</u> MATERIAL	·	SEVERITI	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT		<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
HIGH STEEL SPALI	LS THROUGHOUT		MANY		
SEALED	TOP	THROUGHOUT	ASPHALTICBASE		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	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			

OVER/UNDER ROUTES CLEARANCE INFORMATION

SEVERITY

SEVERITY

HEAVY

<u>MEASUREMENT</u> <u>COMMENT</u>

MEASUREMENT COMMENT

CLEARANCES OVER DECK

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

VERTICAL CLEARANCE TYPE**

EXPANSION BEARING

VALUE

CONDITION

CONDITION

PACK RUST

DIRECTION

STEEL

LOCATION 1

LOCATION 1

THROUGHOUT

D

COMMENT

LOCATION 2

LOCATION 2

SLIDING CURVED/FLAT PLA

 $Design_No = K0344$

September 19, 2024 12:34:39PM

Missouri Department of Transportation State Bridge Inspection Report

COUNTY: OREGON DISTRICT: SE

CLASS: STATBR

BRIDGE: K0344

CLEARANCES UNDER BRIDGE

MODOT

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

RECORD # **ROUTE**

LANES

DIRECTION OF TRAFFIC

RIGHT LATERAL CLEARANCE

LEFT LATERAL CLEARANCE

FED-ID: 5778

UR-ID

VERTICAL CLEARANCE TYPE**

VALUE

DIRECTION

DATE

COMMENT

STRUCTURE PAINT INFORMATION

CONDITION:

VERY POOR

RUST AMOUNT: 6=1.0% OF SURFACE RUSTED

STEEL TONS: 139

ORIGINAL PAINT

CONTRACT REPAINT

DEPARTMENT REPAINT

PAINT TYPE: NAME:

PAINT TYPE: NAME:

PAINT TYPE: C SYSTEM **NAME:** INORGANIC ZINC/VINYL **MANUFACTURE:**

PAINT COLOR:

PAINT COLOR:

PAINT COLOR: ALUMINUM

SURFACE PREP:

PAINT YEAR:

PAINT YEAR:

PAINT YEAR: 1996

MILS:

MILS:

MILS: 8

REQUESTED WORK ITEMS

GENERAL WORK COMMENTS:

RESPONSIBILITY

LOCATION

ITEM

CATEGORY

PRIORITY

DATE

WORK ITEM COMMENT

UTILITY ATTACHMENTS

UTILITY

OWNER

METHOD

MEASUREMENT TYPE

VALUE

NUMBER

UTILITY ATTACHMENT COMMENT

PROGRAM NOTES INFORMATION

YEAR 2027

PROJECT# SE0033

MONTH LET

YEAR LET 2027

ITEMS REPLACE BRIDGE **COMMENT**

Design No = K0344



September 19, 2024 12:34:39PM

COUNTY: OREGON DISTRICT: SE CLASS: STATBR FED-ID: 5778 BRIDGE: K0344

COUNTY: OREC	JON DISTRICT: SE	CLASS; STATER	FED-1D: 3776	DKIDGE: KU344				
COMPU	UTER GENERATED RATINGS AND	DEFICIENCY ITEMS		***ADVANCED SIGN INFORMATION***				
NOTE: The items listed in this section are u	pdated whenever computer edits are ran on a struc	SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION			
Rated Item	<u>Rating</u>	Rating Date	1					
[Item 67] Structure Evaluation Rating:	2-BASICALLY INTOLRBLE REQ	3/6/2024						
[Item 68] Deck Geometry Rating:	3-BASICALLY INTOL CORRECT	12/17/2018						
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001						
Sufficiency Rating:	4.0%	8/31/2021						
Deficiency:	STRUCTURAL	4/2/2003						
Funding Eligibility:	FULL			***OUTFALL INSPI	ECTION INFORMATIO	N***		
Estimated New Structure Length:	394 FT.		" OLITERAL I C	DIO	DECTOR			
Estimated Structure Cost:	\$2,284,806		# OUTFALLS:	INS	SPECTOR:			
Estimated Total Project Cost:	\$3,427,209		STATUS:		DATE:			
Year of Cost Estimate:	2024		NOTES:					
generalized to use NBI items to come up with	stimates are computer generated using algorithim a new structure length and width to calculate a net may vary significantly from these numbers once	ew area which is taken times a representative cost per						

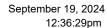
Missouri Department of Transportation State Bridge Inspection Report CLASS: STATBR FED

September 19, 2024 12:34:39PM

COUNTY: OREGON DISTRICT: SE

FED-ID: 5778

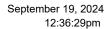
BRIDGE: K0344





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

COUNTY: OREGON K0344 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 3/15/2024 2024 ROUTE CARRIED 'ON' STRUCT **RECORD TYPE: RUN DATE: SUBMITTAL YEAR:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE CARRIED 'ON' STRUCT State MISSOURI 5A Record Type MO District 5B SE Route Signing Prefix MAINLINE OREGON County 5C Designated Level of Service 00019 5778 8 Federal ID No. 5D Route Number 1934 NOT APPLICABLE 27 5E Year Built Directional Suffix MO 19 S 106 0 7 Year Reconstructed Facility Carried YES HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 000000054 21 Structure Maintenance 13A LRS Inventory Route No. 00 STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN Toll Status ON FREE ROAD Br. Median Code 20 06-RURAL MINOR ARTERIAL 37 Historical Significance HISTORICAL SIGNIF UNKNWN 26 Functional Classification NONE EXISTS 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 RTE NOT A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length YES NOT ON NHS National Highway System 104 NOT APPLICABLE 105 Federal Lands Highway NO 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 1426 4 Place FALLING SPRING 29 AADT 23608 2023 Code 30 AADT Year 2-WAY TRAFFIC S 31 T 25 N R 3 W Location 102 Direction of Traffic 11 Milepoint 239.80 miles 7% 109 AADT Truck Percent 16 Latitude 36 D 47 M 39 S 2139 114 Future AADT 17 Longitude 91 D 20 M 1 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION ELEVEN POINT RVR 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B WATERWAY 19 80.63 miles Type of Service Under By pass Detour Length 00 28B Lanes Under Structure 32 Approach Roadway Width 20 Ft. 0 In. N/A 0.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 0 Ft. 0 In. 35 Struct. Flared Rt. Lat Clear Ref. N/A Total Horiz. Clear 21 Ft. 12 In. 55A 47 55B Rt. Lat Clearance 0 Ft. 0 In. 48 Maximum Span Length 91 Ft. 2 In. 363 Ft. 10 In. Left Lat Clearance 0 Ft. 0 In. 49 Structure Length PERMIT NOT REQ Navigation Control 50A 0 Ft. 0 In. Left Curb/Sidewalk Width Nav Vertical Clear 0 Ft. 0 In. 39 50B Right Curb/Sidewalk Width 0 Ft. 0 In. 0 Ft. 0 In. Curb to Curb Br. Width 21 Ft. 12 In. 40 Nav Horizontal Clear 51 23 Ft. 4 In. Nav. Pier Protection Deck Width (Out-Out) 111 52 99 Ft. 99 In. Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck





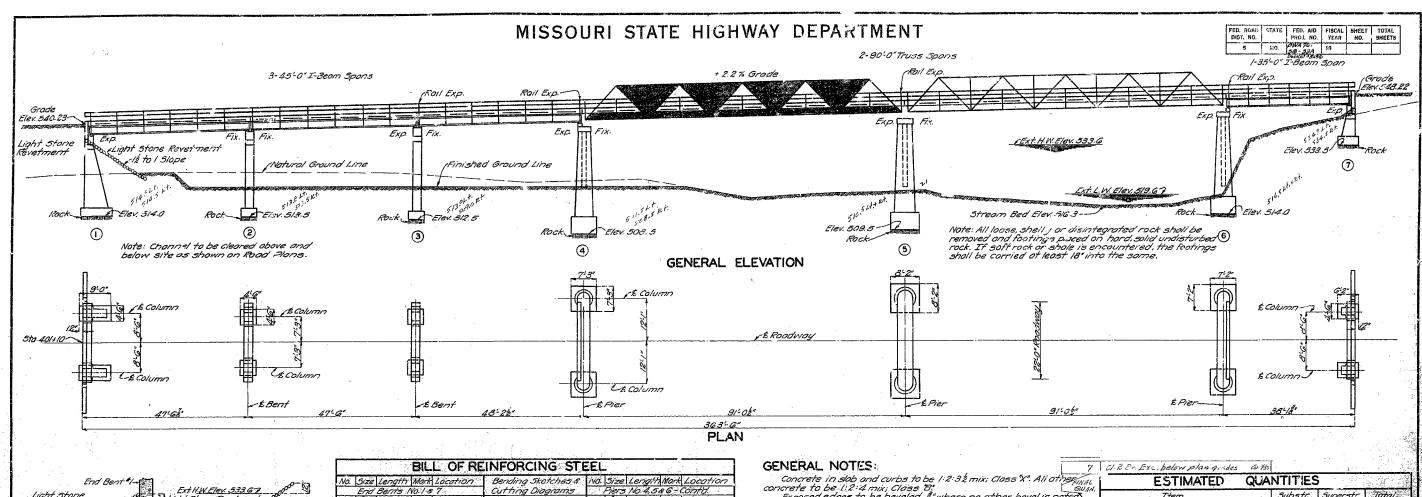
Missouri Department of Transportation Bridge Inventory and Inspection System Structural Inventory & Appraisal Sheet

COUNTY: OREGON BRIDGE: K0344 REVIEW STATUS: APPROVED NBI STATUS: T

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 3/15/2024 SUBMITTAL YEAR: 2024

RECORD TYPE: ROUTE CARRIED ON STRUCT	RUN DATE: 5/15/2024 SUBMITTAL YEAR: 2024
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 15 41 Structure Status POSTED FOR LOAD 63 Oper. Rating Meth. ALLOWABLE STRESS 64 Operating Rating 22 Tons. 65 Inventory Rating Meth ALLOWABLE STRESS 66 Inventory Rating 13 Tons. 70 Bridge Posting Code 0.1-9.9% BELOW PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Deficiency Rating Funding Eligibility FULL	MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type STEEL 43B Main struc Constr. Type TRUSS - THRU 45 # of Main Spans 2 44A Appr Struc. Mat type STEEL 44B Appr Struc. Cnstr. type STRINGER/MULTIBEAM - GRD 46 # of Approach Span 4 107 Deck Mat/Constr. 1 CONCRETE CIP 108A Wear Surf Mat/Constr. 6 BITUMINOUS 108B Membrane Mat/Constr. 0 NONE 108C Deck Protect Mat/Constr. 0 NONE CONDITION RATING INFORMATION
75A Proposed Work REPLACEMENT SUBSTND LOAD 75B Work Done By Contract 76 New Struc Length 393 Ft. 8 In. 94 Struc Improve Cost \$ 2,285,000 95 Roadway Improve Cost \$ 228,000 96 Total Project Cost \$ 3,427,000	58 Deck Cond. Rating 4 59 Superstructure Cond. Rating 3 60 Substructure Cond. Rating 5 61 Channel /Channel Protection Cond. Rating 5 62 Culvert Cond. Rating N INSPECTION INFORMATION
97 Year of Cost Estimates 2024	90 Gen. Insp Date 8/23
APPRAISAL RATING INFORMATION 36A Br. Rail App. Rating DOES NOT MEET ACCEPT STND 36B Transition Rail App. Rating DOES NOT MEET ACCEPT STND 36C Approach Rail App. Rating DOES NOT MEET ACCEPT STND 36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND 57 Struc Eval App. Rating 2 68 Deck Geometry App. Rating 3 69 Underclearance App. Rating N 71 Waterway Adeq. App. Rating 8 72 Approach Road App. Rating 6 113 Scour Assess App. Rating 8	91 Gen. Insp. Frequency 24 Months 92A Frac. Critical Inspection Y Months 24 93A Frac. Critical Insp. Date 8 / 23 92B Underwater Inspection N Months 93B Underwater Insp. Date 92C Special Inspection N Months 93C Special Inspection Date BORDER BRIDGE INFORMATION 98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-7 Ton1 Ton2 Ton3 Tonnage Values for Posting Sign 38 General Text for Posting Sign TRUCKS OVER 38 TONS 15 MPH ON BRIDGE.	Field Posting Category S-7 Ton1 Ton2 Ton3 Tonnage Values for Posting Sign 38 General Text for Posting Sign TRUCKS OVER 38 TONS 15 MPH ON BRIDGE.

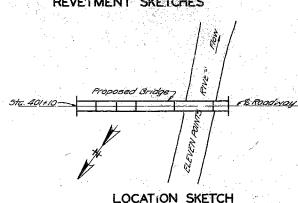
Design_No = K0344 and Inventory_Appraisal_Submittal_Year = 2024



Ext. H.<u>W. Elev. 533.67</u> ight, Stone Revetment-_% Light Stone Iztol Slope of Fill under and in front of end bent No. 1 to be Natura Ground Line FRONT OF END BENT SIDE SLOPES OF FILL BENT NO.1

Note: Light stone revetment to be placed on fills at end bent No. I as shown in sketches. Approximately 280 sq.yds. of light stone revetment work included in road contract:

REVETMENT SKETCHES



ì	Drawn July 1933 Traced July 1933 Brecked July 1933	Bu H D
Ņ	Traced July 1933	bu GW
	Phecked Tuly 1993	by PAR
4	Stractice outg 1955	09 110.

100.		Length Bents I		Location	Bending Sketches & Cutting Diagrams			No.4,5		
24	3.0	6'-3"	DI	Footing	C'	48	3.00	7'-9"	PG	COP
16	310	9'-3"	FI	Hounch	<u> </u>	23	300	7'3"	PT	
16	310	9'-0"	F2	4. n.	4-11/2° DI	27	100	3'3'	P8	
12	310	12'0"	HI	Wing Wall	23'2" P8	16	100	25'6'	V7	Column
10	3110	19'-0"	H2	-u	DI-P8	24	400	17'3'	V8	Web
14	100	24' 3'	H3	Becm	1 2	16	110	26-6	19	Column
4	300	22-3"	H4	J. 54	6 5 /6°	24	200	18'9'	VIO	WEB
6	3.0	24'-3"	H5		135°/ FI	16	100	24'0'	VII	Column
2	200	20'-G"	HG	Backwall .	9/4	24	200	21-0	V12	Web
4	310	14'0"	71	Wing Wall	LEIZ-1 Yase	2	200	22.3	HIO	Hounch
4	310	22'6'	72	Backwall			Super	str. I-Bi	71. Sp	ans.
4	310	14:00	73	Wing Wall	8:0'	48	5 110	25'-0"	C/ ,.	Curb
14	400	8:00	W.	4. 11	E5	242	210	2'0'	C2	•
4	210	6'0'	1/2	Sept. St.		16	300	20'0'	C3	71.000
23	210	12:6	*V3	Beama Bkwi		860	3.0	23.0	5/	Slab
12	310	20:00	14	Column		186	8.0	21-9"	52	
12	210	8'9"	V5	n		62	810	19-9"	53	,
23	200	12-6	VG	Beam&Bkwl.	1/3" 7:9"	100	"	14 1 Tal	isi s	
	2.5	5 - 13	3. 1	4. 14	5-H2 CUT 10 BARS	25	Ş			12"
		Bents N	0.2€		S'HE COTTO BARS	10		161	(g)	T 7
16	3,0	6:3"	101-	Footing		100	-	9	ST.	2-3" 3
16	3.0	9'0"	F2	Hounch	77	6 3	1	9 5		N
16	2.4	9-0"	F3	"	H3-H5-GI	215	·] '\	L¥7)		P2-P3
24	100	24-3"	GI	Beom	6'9"77' -	V3-V	للت	1	<i>?</i>	
4	300	22-3	02		707	10/1	920 HE	۴٦	}	
8	3"0	21-6"	PI	Column		*	en er Komberer			
54	4"\$	10.0	P2	7 -	46	9L	16	3	/	1
44	200	10'0'	P3	Beam	ті-тз 🕏 🦁	P7	tti	3		4.3
8	300	23.6"	P4	Column		1.	3	45		
			<u>L</u>	L	2.0.8"		170	<i>P5</i>		2'
-		icrs No			—		220	7₫	S-10	, ————————————————————————————————————
18	1110	8'0'	02	Footing	l 		101	- 5		
2	1"0	24'-3"	1.7	cap	[6-0" 20 B	3			2	<u> </u>
9	Ind.	27'9"	HB	Web	800	5/6	1 0	-		102
10		29'-0"	H9 P5	Сар	7-VI CUT I4 BARS	<u> </u>	P5-F	6.	5.3	C2
18	7.0						77.			

Concrete in slab and curbs to be 1.2.3 \(\frac{1}{2}\) mix; Class \(\frac{1}{2}\). All other mix concrete to be 1.2.4 mix; Class \(\frac{1}{2}\). Exposed edges to be beveled \(\frac{3}{2}\) where no other bevel is noted.

Where rubber compound is specified on plans for use in partition \(\frac{1}{2}\) or expansion joints, the premouded joint shall be securely strictled to one face of concrete with copper wire.

Shop drowings for all structural steel shall be submitted to the Missouri state Highway Department in duplicate and shall be seen steel is fabricated.

See second Provisions in revered to permissible beam.

See 5, each Provisions in regard to permissible beam substitutions and basis of payment.

For ansion device at Piers No. 5 & G see Std. 5912. Make 14400 details of expansion device at Pier No. 4 similar to that shown on Std. 5917. For details of shoes and rockers see Std. 5637.

on Std. 5917. For details of shoes and rackers see Std. 5617.

Paint Shap, none Field, contact surfaces of bolted field connections one coat of red lead. Surfaces inaccessible after erection three coats of red lead. No other paint to be applied by contractor. See Special Provisions.

Bridge excovation in accordance with Section I of Standard Specifications issued. April 1, 930, except that quantities paid for will be computed from Ext. W. Elev. 519. where existing ground line is below this elevation.

Rivets \$40, holes \$60. The line of the connections riveted values attervise paded.

But supports and specers will be required for reinforcing steel in superstructure. See Std. C-110R and Special Provisions

U. BER. EXC. DELOW Plan grades	CO-1725		1 1 1	
ESTIMATED	QUA	NTITIES		
. Item		Substr.	Superstr.	Total
Bridge Excavation, Class I	CU.Yds.	210		210
Bridge Excavation, Class 2	CU.Yd5.	330	/1.0°	- 330
Concrete 1:2:4 mix; Closs B	Cu.Yds.	312.6	43	312.6
Concrete 1:2:3½ mix; Closs X	CU.YOS.		,99.0	199.0
Fab Struct Steel (Truss Spans)	165.		167000	167000
Fab. Struct: Steel (I.B. Spans)	Lbs.		103700	103700
Steel Costings	Lb5.		1720	1720
Reinforcing Steel	Lb5.	16130	58510	74640
Bearing Castings	Lbs.		2020	2020

Note: Bridge excavation above Elev. 520.0 will be poid for as class.

Bridge Excavation Bridge excavation below Elev. 520.0 will be paid for as Class 2 Bridge Excovation

B.M.Elev. 524.59 N. I.R. of 33" Cottonwood 100'Lt. Sta. 403+20.

BRIDGE OVER ELEVEN POINTS RIVER

STATE ROAD FROM SHANNON CO. LINE TO ALTON ABOUT 25.5 MILES NORTH OF THAYER PROJECT NO.PWA76,58-S3A STA 401+10

OREGON

COUNTY COUNTY

State State

BRIDGE ENCINEER

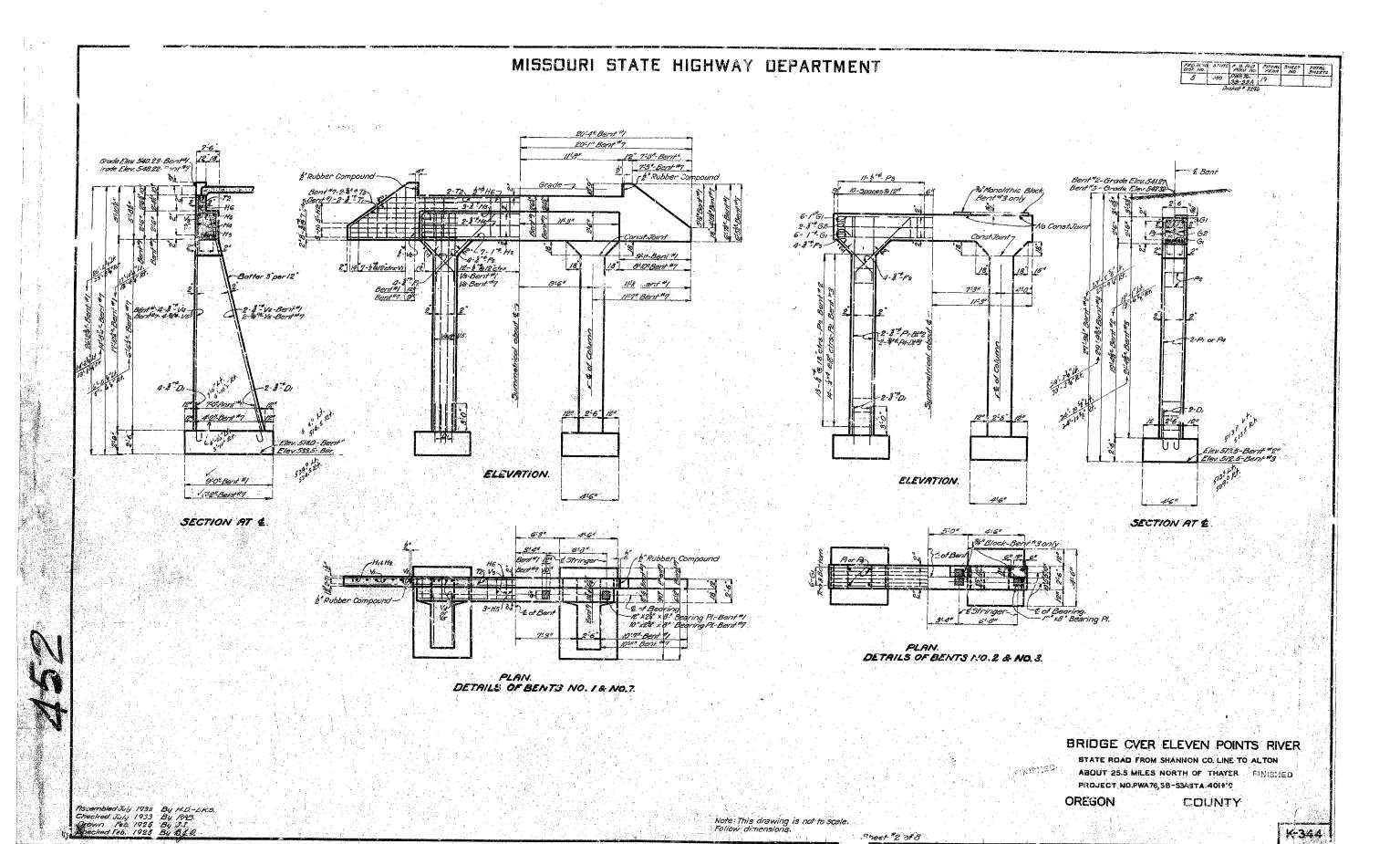
8/8/3-4

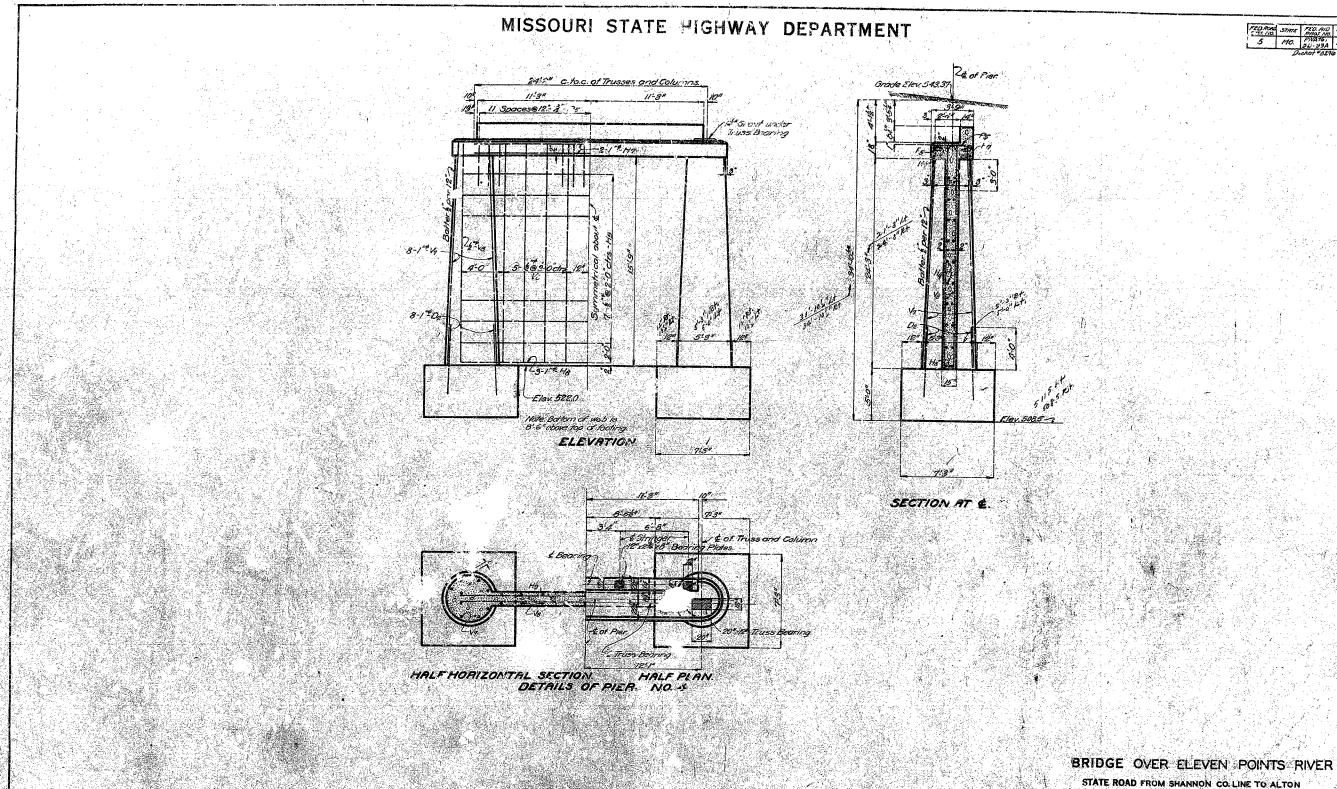
CHIEF ENSINEER

8/8/34

STD.C-IIOR K-344

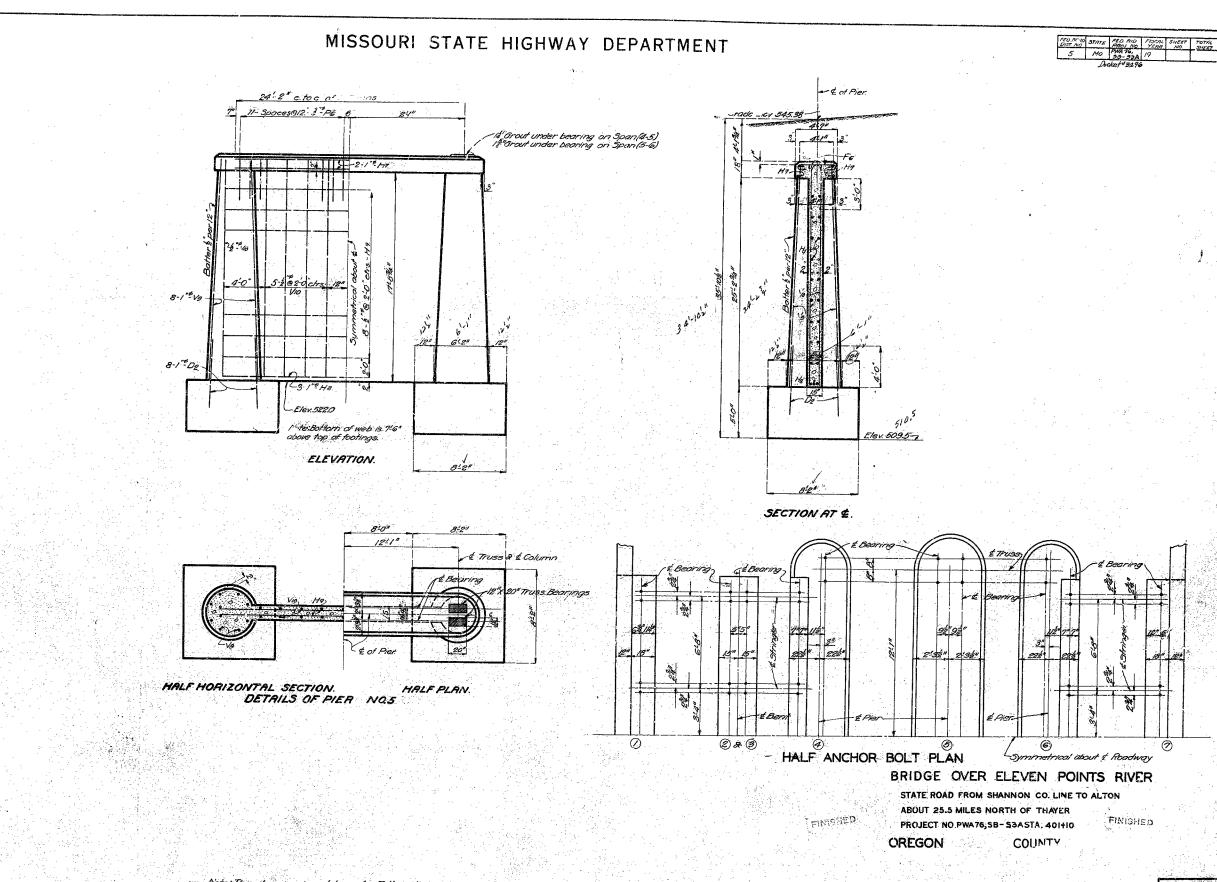
Note: This drawing is not to scale





ABOUT 25.5 MILES NORTH OF THAYER PROJECT NO PWATE, SB-SSA STA 401110

OREGON COUNTY



4

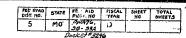
Assembled July 1933. By HD-LKS Checked July 1933. By, FAB. Brown Mar. 1925. By J.I. Checked Mar. 1925. Bu & (10)

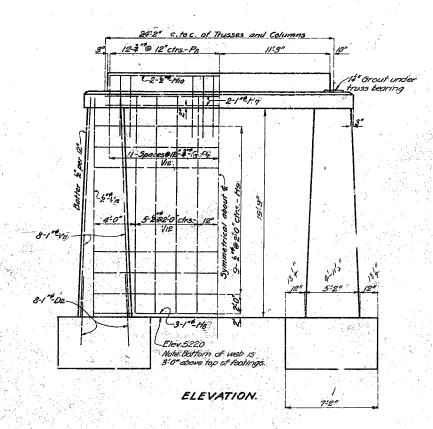
Note: This drawing is not to scale. Follow dimensions.

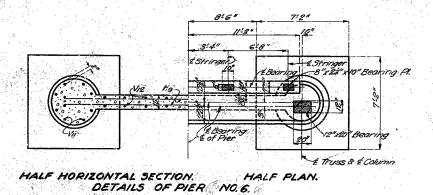
Sheet 4 of 8

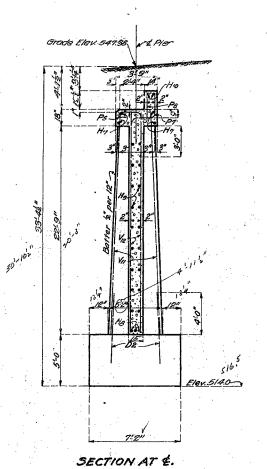
K-344

MISSOURI STATE HIGHWAY DEPARTMENT









BRIDGE OVER ELEVEN FOINTS RIVER

STATE ROAD FROM SHANNON CO. LINE TO ALTON ABOUT 25.5 MILES NORTH OF THAYER PROJECT NO.PWA76,58-53A STA 401410

OREGON

COUNTY

7

Assibd July 1933 by H.D.-L.K.S. Chikid July 1933 by 1945. Drown Feb. 1925 by H.G.P. Cirkid March 1925 by 18.J.O.

Note: This drawing is not to scale Follow dimensions.

Sheet #5 of 8

K-344

