Missouri Department of Transportation State Bridge Inspection Report

March 09, 2023 11:22:43AM

COUNTY: JASPER

DISTRICT: SW

CLASS: STATBR

FED-ID: 5801

BRIDGE: K0415

COUNTY: JASTER	DISTRICT: SW CLAS	5: STATEK	FED-ID: 3001	DRIDGE; RU415		
	GENERAL STRUCTURE INFORMATION		***BRIDGE INSPECTION INF	ORMATION		
ROUTE: MO43S	# SPANS: 9	PLACE (CODE: 37610 JOPLIN	DATE: 08/10/2021 RESPONSI	IBILITY: DISTRICT	
FEATURE: KCS RR, JOPLIN CR	LANES ON: 4	LEN	NGTH: 370 FT 0 IN	FREQUENCY: 24 CALCULATED INTE		
STATUS: A-OPEN	LANES UNDER: 0	MAXIMUM	SPAN: 43 FT 3 IN		EMENT: YES	
LOG MILE: 52.011	COMPASS DIRECTION: SOUTH to NORTH	APPROACH ROAI	DWAY: 56 FT 0 IN		CTOR 4:	
DETOUR: 11.00 MILES	DIRECTION OF TRAFFIC: 2-WAY TRAF	CURB TO	CURB: 42 FT 0 IN	INSPECTOR 3:	C10K 4.	
NHS: YES	FUNCTIONAL CLASS: UR-PRINCIPAL ARTERIA		OUT: 55 FT 0 IN		C . DIDM: 1	
BUILT: 1934	NBI OWNER: MODOT	I	AADT: 11631	** When calculated interval exceeds the frequency, a justif		
REHAB: 1987	NBI MAINTAINED: MODOT		YEAR: 2022	GENERAL INSPECTION C	COMMENTS	
LOCATION: S 2 T 27 R 33 W	MAINTENANCE DISTRICT: SW		RUCK: 5.5%			
LATITUDE: 37 5 57.44 (DMS)	MAINTENANCE COUNTY: JASPER	I	AADT: 20936			
LONGITUDE: 94 30 46.03 (DMS)	SUB AREA: 7G26	FUTURE AADT				
FRACTURE C	RITICAL INSPECTION INFORMATION	•	**	**INDEPTH INSPECTION INFORMATION***	•	
DATE: RESPO	NSIBILITY: CATEGORY:		DATE:	RESPONSIBILITY: CA	ATEGORY:	
FREQUENCY: CALCULATED II	NTERVAL**: NBI:		FREQUENCY: CALC	CULATED INTERVAL**:	NBI:	
	SPECTOR 3: METHOD:		TEAM LEADER:		METHOD:	
INSPECTOR 2: IN	SPECTOR 4:		INSPECTOR 2:	INSPECTOR 4:		
***************************************	NO. C. DIDICI		***************************************			
** When calculated interval exceeds the frequency, a ju	istification comment per BIRM is required.		** When calculated interval exceeds the f	requency, a justification comment per BIRM is required.		
FRACTURE	CRITICAL INSPECTION COMMENTS			INDEPTH INSPECTION COMMENTS		
SPECIA	L INSPECTION INFORMATION		***UNDERWATER INSPECTION INFORMATION***			
DATE: 08/19/2022 RESPO	NSIBILITY: DISTRICT CATEGORY: SUBS'	TDIICTUDE	DATE: 08/19/2022 RESPONSIBILITY: DISTRICT CATEGORY: DRY			
FREQUENCY: 12 CALCULATED IN		IKOCTOKE		CULATED INTERVAL**: 12	NBI: NO	
_	SPECTOR 3: METHOD: VISUA	ΔŢ	TEAM LEADER: MATTHEW GEIG		METHOD: VISUAL	
	SPECTOR 4:	iL .	INSPECTOR 2:	INSPECTOR 4:	WEITIGE. VISCILE	
** When calculated interval exceeds the frequency, a ju	stification comment per BIRM is required.		** When calculated interval exceeds the	frequency, a justification comment per BIRM is required.		
SPEC	IAL INSPECTION COMMENTS			UNDERWATER INSPECTION COMMENTS		
OTH	ER SPECIAL INSPECTIONS			OTHER UNDERWATER INSPECTIONS		
DATE FREQUENCY CATEGORY 01/23/2017 120 CHANNEL CROSS	NO CALCULATED INTERVAL RESPONSIBILITY DISTRICT	METHOD WT TAPE	DATE FREQUENCY CAT	EGORY NBI CALCULATED INTERVAL RES	PONSIBILITY METHOD	
SECTIONS						

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STRUCTURE POSTING APPROVED CATEGORY: S-1 NO POSTING REQUIRED Ton 3: Ton 1: Ton 2: COMMENTS: FIELD CATEGORY: S-1 NO POSTING REQUIRED Ton 2: **Ton 3:** PROBLEM: PROBLEM DIRECTION: Ton 1: COMMENTS: ***GENERAL COMMENTS/MAJOR RATED ITEMS*** GENERAL COMMENTS: (BOWDEJ1, 06/25/2008)--(25') - 8 @ (43') SMP CONC DECK GDR SPANS [ITEM 58] DECK: 6-SATISFACTORY CONDITION COMMENTS: (GEIGEM1, 08/31/2018)--FEW PATCHES WITH 2%-9% SATURATION **RATING:** 05/18/2001 ITEM 591 SUPER: 4-POOR CONDITION COMMENTS: (BRITTT1, 12/27/2017)--SPALLS W/EXPOSED REBAR IN MANY DIAPHRAGMS (GEIGEM1, 08/25/2022)--BT. 4 DIAPHRAGM WITH MODERATE REBAR SECTION LOSS **RATING:** 08/25/2022 IITEM 601 SUB: 4-POOR CONDITION COMMENTS: (GEIGEM1, 01/12/2018)--ABUT 10 AND BENT 2 BEAMCAP SPALL WITH MOD REBAR SECTION LOSS RATING: 12/27/2017 [ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE COMMENTS: (BRITTT1, 12/27/2017)--MODERATE SOUTH BANK EROSION **RATING:** 12/27/2017 [ITEM 113] SCOUR: 8-STABLE FOR CALCULATED COMMENTS: (BRITTT1, 12/27/2017)--NO SCOUR 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*** [ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 RATING: 05/18/2001 COMMENTS: MATERIAL CONSTRUCTION DIRECTION **COMMENTS** GALVANIZED STEEL THRIE BEAM BOTH REINFORCED CONCRETE SIDEWALKS BOTH LOCATION 1 CONDITION **SEVERITY** LOCATION 2 DETERIORATION RANDOM MODERATE (NUNNT, 09/27/2019) -- SPAN 4 AND 2. REBAR EXPOSED RANDOM MINOR REINFORCED CONCRETE BALUSTER BOTH [ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 RATING: 05/18/2001 COMMENTS: MATERIAL **CONSTRUCTION** DIRECTION **COMMENTS** GALVANIZED STEEL THRIE BEAM TO W-BEAM ALL

Missouri Department of Transportation MODOT **State Bridge Inspection Report** COUNTY: JASPER DISTRICT: SW

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CLASS: STATBR FED-ID: 5801 BRIDGE: K0415

[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1

CONSTRUCTION DIRECTION

GALVANIZED STEEL

W-BEAM

ALL

COMMENTS

RATING: 05/18/2001

[ITEM 36D] RAIL END TREATMENT RATING: DOESN'T MEET CURRN'T STND-0

RATING: 08/31/2018

COMMENTS:

COMMENTS:

MATERIAL GALVANIZED STEEL

MATERIAL

CONSTRUCTION BREKAWAY SYSTEM

DIRECTION BOTH-NORTH **COMMENTS**

GALVANIZED STEEL

TURN DOWN SECTION < 45

BOTH-SOUTH

APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.

MATERIAL

CONSTRUCTION BITUMINOUS MAT/SLAB DIRECTION

CONDITION*

COMMENTS

ASPHALT/CONCRETE CONDITION

BOTH LOCATION 1 AT ABUTMENTS

POOR LOCATION 2

SEVERITY

MODERATE

COMMENT

DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS

DECK PROTECTIVE COMPONENTS:

SERIES TYPE-# MAIN SERIES-1

COMPONENT WEARING SURFACE

DETERIORATION

PLAIN CONCRETE

CONSTRUCTION LOW SLUMP

THICKNESS 2.3 IN

YEAR APPLIED MANUFACTURE 1987

OVERALL CONDITION

POOR

COMMENT:

CONDITION MAP CRACKS OTHER PATCHES

SPALLS

WEAR

LOCATION 1 THROUGHOUT OTHER AT JOINTS AT JOINTS DRIVING SURFACE LOCATION 2

SEVERITY FINE NOT APPLICABLE COMMENT (GEIGEM1, 08/31/2018)--DIAGONAL CRACKS (NUNNT, 09/27/2019)--MODERATE SPALL AT ABUT.

MODERATE MINOR LIGHT

DECK PROTECTION

NOTAPPLICABLE

NONE

COMMENT:

MEMBRANE

NOTAPPLICABLE

NONE

COMMENT:

SECONDARY DECK PROTECTION

LIQUID SEALANT

INTERNALLY SEALED

2019

PAVON INDECK

COMMENT:

DRAINAGE COMPONENTS:

COMPONENT

MATERIAL

CONSTRUCTION

DIRECTION

COMMENTS

 $Design_No = K0415$

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COUNTY:	IASPER DISTI		ate Bridge Inspection Repo ASS: STATBR	rt FED-ID: 5801	RRII	OGE: K0415		
EXPANSION DEVICE COMPONEN SUB UNIT-# BENT-2 COMMENT:	<u>TS:</u>	MATERIAL ASPHALT	CONSTRUCTION FILLED JOINT	<u>GAP</u>		MANUFACTURE	OVERALL CONDITION POOR	
BENT-3 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BENT-4 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BENT-5 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BENT-6 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BENT-7 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BENT-8 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BENT-9 <u>COMMENT:</u>	CLOSED EXPANSION JOINT	ASPHALT	FILLED JOINT				POOR	
BANK/SLOPE PROTECTION COME	PONENTS: COMPONENT	<u>MATERIAL</u>			<u>MMENTS</u>			
			DECK COMPONEN	TS				
SPAN TYPE-# MAIN SPANS-1 CONDITION EFFLORESCEN MAP CRACK PATCHES SATURATION	LOCATION 1 NCE ENDS S THROUGHOUT ENDS		CAST-IN-PLACE	MEASUREMENT 8 % 9 %	<u>COMMENT</u>			
MAIN SPANS-2 CONDITION DIAGONAL CRA EFFLORESCEN MAP CRACK PATCHES SATURATIO! SPALLS	LOCATION 1 LOCKS ENDS LOCE ENDS LOCE ENDS LOCE THROUGHOUT AT JOINTS		CAST-IN-PLACE N 2 SEVERITY FEW LIGHT MANY SMALL MINOR SMALL	MEASUREMENT 2 %	COMMENT			

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COUNTY: JASPER DISTRICT: SW **CLASS: STATBR** FED-ID: 5801 **BRIDGE: K0415** MAIN SPANS-3 DECK REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 SEVERITY MEAS<u>UREMENT</u> COMMENT DELAMINATION AT JOINTS SMALL DIAGONAL CRACKS ENDS FEW EFFLORESCENCE ENDS LIGHT THROUGHOUT MAP CRACKS MANY PATCHES AT JOINTS SMALL 1 % 2 % SATURATION THROUGHOUT MINOR MAIN SPANS-4 DECK REINFORCED CONCRETE CAST-IN-PLACE SEVERITY **CONDITION** LOCATION 1 LOCATION 2 **MEASUREMENT** COMMENT DIAGONAL CRACKS **ENDS** FEW EFFLORESCENCE **ENDS** MODERATE THROUGHOUT MAP CRACKS MANY PATCHES **SMALL** 1 % AT JOINTS SATURATION THROUGHOUT MINOR 5 % MAIN SPANS-5 DECKREINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS **ENDS** FEW EFFLORESCENCE **ENDS** MODERATE MAP CRACKS THROUGHOUT MANY PATCHES AT JOINTS **SMALL** SATURATION THROUGHOUT MINOR 2 % SPALLS AT JOINTS SMALL MAIN SPANS-6 DECK REINFORCED CONCRETE CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY **MEASUREMENT** COMMENT DIAGONAL CRACKS **ENDS** MINOR EFFLORESCENCE RANDOM LIGHT THROUGHOUT MANY MAP CRACKS PATCHES AT JOINTS MINOR 1 % REBAR EXPOSED BOTTOM FEW MAIN SPANS-7 DECKREINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 SEVERITY **MEASUREMENT** LOCATION 2 COMMENT DIAGONAL CRACKS **ENDS** FEW EFFLORESCENCE RANDOM LIGHT MAP CRACKS THROUGHOUT MANY 3 % PATCHES AT JOINTS LARGE SATURATION THROUGHOUT MINOR 2 % SPALLS AT JOINTS MINOR

Design No = K0415

MAIN SPANS-8

CONDITION

DIAGONAL CRACKS

EFFLORESCENCE

MAP CRACKS

DECK

REINFORCED CONCRETE

LOCATION 1

ENDS

RANDOM

THROUGHOUT

Page 5

SEVERITY

FEW

LIGHT

MANY

MEASUREMENT

COMMENT

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CAST-IN-PLACE

LOCATION 2

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DECK GIR

BRIDGE: K0415

COMMENTS

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CLASS: STATBR FED-ID: 5801 COUNTY: JASPER DISTRICT: SW PATCHES AT JOINTS SMALL SATURATION THROUGHOUT MINOR 1 % SPALLS AT JOINTS MINOR MAIN SPANS-9 DECKREINFORCED CONCRETE CAST-IN-PLACE CONDITION LOCATION 2 SEVERITY MEASUREMENT COMMENT LOCATION 1 DIAGONAL CRACKS **ENDS** MINOR LIGHT EFFLORESCENCE RANDOM MANY MAP CRACKS THROUGHOUT MODERATE PATCHES AT JOINTS 1 % SATURATION THROUGHOUT MINOR 5 % ***SUPERSTRUCTURE COMPONENTS***

		SULENSTRUCTURE	JOHN ONEMIS
SPAN TYPE	MATERIAL	CONSTRUCTION	LABEL

REINFORCED CONCRETE

		<u>SEVERITY</u> SMALL MODERATE	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-2 NON-COMPOSITE 43 <u>CONDITION</u> <u>LOCATION</u> DELAMINATION EXTERIOR GIR DIAGONAL CRACKS ENDS		<u>SEVERITY</u> SMALL FINE	<u>MEASUREMENT</u>	<u>COMMENT</u> (BOWDEJ1, 03/17/2010)GDR 1 @ BT 2
MAIN SPANS-3 NON-COMPOSITE 43 <u>CONDITION</u> DELAMINATION MON-COMPOSITE 43 <u>LOCATION</u> EXTERIOR GIR		<u>SEVERITY</u> SMALL	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-4 NON-COMPOSITE 43 <u>CONDITION</u> <u>LOCATION</u>	FT 0 IN NO LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-5 NON-COMPOSITE 43 <u>CONDITION</u> <u>LOCATION</u>	FT 0 IN NO LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-6 NON-COMPOSITE 43 <u>CONDITION</u> <u>LOCATION</u>	FT 0 IN NO LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
MAIN SPANS-7 NON-COMPOSITE 43 <u>CONDITION</u> <u>LOCATION</u>	FT 0 IN NO LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-8 NON-COMPOSITE 43 <u>CONDITION</u> DELAMINATION EFFLORESCENCE EXTERIOR GIR	DERS	<u>SEVERITY</u> SMALL MODERATE	<u>MEASUREMENT</u>	COMMENT

Design_No = K0415

MODOT

SERIES TYPE-#

MAIN SERIES-1

SIMPLE SPAN

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COUNTY: JASPER

RUSTING

CONDITION

DELAMINATION

REBAR EXPOSED

REBAR SECTION LOSS

SPALLS

DIAPHRAGM

DISTRICT: SW

THROUGHOUT

LOCATION 1

THROUGHOUT

THROUGHOUT

THROUGHOUT

THROUGHOUT

REINFORCED CONCRETE

CLASS: STATBR

FED-ID: 5801

BRIDGE: K0415

MAIN SPANS-9 NON-COMPOSITE	43 FT 3 IN	NO			
<u>CONDITION</u> <u>LC</u>	OCATION 1	LOCATION 2	SEVERITY MEASU	REMENT COMMEN	N <u>T</u>
DELAMINATION EXTER	RIOR GIRDERS		SMALL		
		***************************************	TURE COMPONENTS	2***	
SUBSTRUCTURE SKEW LENGTH	MATERIAL	CONSTRUCTION	LABEL COMME		
ABUTMENT-1 SKEW LENGTH		OPEN CONCRETE	LABEL COMME	<u>N13</u>	
ABUTMENT-I /TFT 2 II	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
	<u>LOCATION I</u> IATERIAL	CONSTRUCTION	SEVERIII	MEASUREMENT	COMMENT
	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
HORIZONTAL CRACKS	RANDOM	200.1110112	LARGE	MIDIO CRESINES. VI	O.M.A.A.A.
VERTICAL CRACKS	RANDOM		OPEN		
	EINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
FOOTING R	EINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	SEVERITY	MEASUREMENT	<u>COMMENT</u>
BACKWALL R	EINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSION BEARING S	TEEL	SLIDING FLAT PLAT	TE		
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
RUSTING	THROUGHOUT		MINOR		
BENT-2 56 FT 2 II		MULTIPLE COLUMN			COL & CAPS REPAIRED 1987
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>IATERIAL</u>	<u>CONSTRUCTION</u>			
	EINFORCED 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	BOTTOM		MANY		
REBAR SECTION LOSS	BOTTOM		MODERATE		(GEIGEM1, 08/31/2018)IN MAIN REBAR WITH MOST STIRRUPS SEVERED
SATURATION SPALLS	THROUGHOUT BOTTOM		MODERATE LARGE		
VERTICAL CRACKS	THROUGHOUT		FINE		
	EINFORCED CONCRETE	CAST-IN-PLACE	TINE		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT		MODERATE		
HORIZONTAL CRACKS	THROUGHOUT		FINE		
REBAR EXPOSED	RANDOM		MINOR		
RUST STAINS	THROUGHOUT		MODERATE		
SPALLS	RANDOM		MINOR		
VERTICAL CRACKS	THROUGHOUT		OPEN		
	EINFORCED CONCRETE	SPREAD	OFF /FF YOUR	ACE ACTION DATES	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	TEEL LOCATION 1	ROCKER	CELLEDIAN	MEACUREMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT

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MEDIUM

SEVERITY

MODERATE

MODERATE

MINOR

MODERATE

MEASUREMENT COMMENT

CAST-IN-PLACE

LOCATION 2

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BENT-3	56 FT 2 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>
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CT TT TT		COLUMN
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
SATURATION			MODERATE		
VERTICAL CRAC		G . GT D . D . GD	FINE		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBRAN	ACC ACCUMENTATION	CONTENT
CONDITION	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATIO			MODERATE		
HORIZONTAL CRA			FINE MODERATE		
LEACHING SPALLS	THROUGHOUT THROUGHOUT		MODERATE		
VERTICAL CRAC			OPEN		
FOOTING	REINFORCED CONCRETE	SPREAD	OLEN		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
FIXED BEARING	STEEL	FLAT PLATE	<u>DD, DMII</u>	MIDITO CITEDITE	COMPANIA CONTRACTOR CO
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	STEEL	ROCKER	<u>DD, DMII</u>	MIDITO CITEDITE	COMPANIA CONTRACTOR CO
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
RUSTING	THROUGHOUT	<u> </u>	MEDIUM	MIDITO CITEDITE	COMPANIA CONTRACTOR CO
DIAPHRAGM	REINFORCED CONCRETE	CAST-IN-PLACE	MEDICINI		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATIO			LARGE		
REBAR EXPOSE			MODERATE		
REBAR SECTION I			MINOR		
SPALLS	THROUGHOUT		MODERATE		
BENT-4	56 FT 2 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION	·		
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	SEVERITY	MEASUREMENT	<u>COMMENT</u>
SATURATION	BOTTOM		MODERATE		
VERTICAL CRAC	CKS THROUGHOUT		MEDIUM		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATIO			MODERATE		
HORIZONTAL CRA			FINE		
SPALLS	RANDOM		MODERATE		
VERTICAL CRAC			MEDIUM		
FOOTING	REINFORCED CONCRETE	SPREAD	CELEBRAN	ACC ACCUMENTATION	CONTENT
CONDITION	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	STEEL	ROCKER	CELEBRAN	ACC ACCUMENTATION	CONTENT
CONDITION	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
RUSTING	THROUGHOUT	CACT DUDI ACE	HEAVY		
DIAPHRAGM	REINFORCED CONCRETE	CAST-IN-PLACE	CEVEDITY	MEACUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	SEVERITY MODERATE	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATIO			MODERATE MANY		
REBAR EXPOSE REBAR SECTION I			MAN Y MODERATE		(NUNNT, 09/27/2019)IN MAIN REBAR W/FEW STIRRUPS SEVERED.
REDAR SECTION I	DOI TOW		MODERALE		(NONNI, 07/2/1/2017) IN WIMIN REDAK WITEW STIRRUFS SEVERED.

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COUNTY: JASPER DISTRICT: SW CLASS: STATBR FED-ID: 5801 BRIDGE: K0415 SPALLS THROUGHOUT LARGE BENT-5 56 FT 2 IN REINFORCED CONCRETE MULTIPLE COLUMN CONDITION SEVERITY LOCATION 1 LOCATION 2 MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL **CONSTRUCTION** REINFORCED CONCRETE BEAM CAP CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT SATURATION BOTTOM MODERATE VERTICAL CRACKS THROUGHOUT MANY COLUMN REINFORCED CONCRETE CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT DELAMINATION THROUGHOUT MODERATE LEACHING THROUGHOUT MODERATE SPALLS MODERATE THROUGHOUT VERTICAL CRACKS THROUGHOUT OPEN FOOTING REINFORCED CONCRETE SPREAD CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT EXPANSION BEARING STEEL ROCKER CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT PACK RUST RANDOM MINOR RUSTING THROUGHOUT HEAVY DIAPHRAGM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT DELAMINATION THROUGHOUT MODERATE EFFLORESCENCE THROUGHOUT MODERATE REBAR EXPOSED THROUGHOUT MANY REBAR SECTION LOSS BOTTOM MINOR SPALLS RANDOM LARGE BENT-6 56 FT 2 JN REINFORCED CONCRETE MULTIPLE COLUMN CONDITION LOCATION 1 SEVERITY LOCATION 2 MEASUREMENT COMMENT CONSTRUCTION ASSOCIATED COMPONENT MATERIAL REINFORCED CONCRETE BEAM CAP CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT DELAMINATION RANDOM MINOR SATURATION MODERATE THROUGHOUT COLUMN REINFORCED CONCRETE CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT LEACHING THROUGHOUT MODERATE SPALLS RANDOM MINOR (NUNNT, 09/27/2019) -- HIGH STEEL VERTICAL CRACKS THROUGHOUT MEDIUM FOOTING REINFORCED CONCRETE SPREAD CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT EXPANSION BEARING STEEL ROCKER CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT RUSTING THROUGHOUT MODERATE DIAPHRAGM REINFORCED CONCRETE CAST-IN-PLACE LOCATION 1 **CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT THROUGHOUT DELAMINATION MODERATE REBAR EXPOSED THROUGHOUT MODERATE SPALLS THROUGHOUT MODERATE

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COUNTY: JASPER	DISTRICT: SW	CLASS: STATBR	FED-II	D: 5801	BRIDGE: K0415
BENT-7 56 FT	2 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
REBAR EXPOSED	BOTTOM		MODERATE		<u></u>
REBAR SECTION LOSS	THROUGHOUT		MINOR		
SATURATION	THROUGHOUT		MODERATE		
SPALLS	BOTTOM		MODERATE		
VERTICAL CRACKS	THROUGHOUT		FINE		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	111.12		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT	200.1110.112	LARGE	MIDITO CILDITIZITA	COMMENT.
REBAR EXPOSED	THROUGHOUT		MANY		(GEIGEM1, 08/31/2018)COL. 2
REBAR SECTION LOSS	THROUGHOUT		MINOR		(GEIGEM1, 08/31/2018)COL. 2
SCALING	WATERLINE		LIGHT		(GLIGENII, 00/31/2010)-COE. 2
SPALLS	THROUGHOUT		LARGE		(GEIGEM1, 08/31/2018)COL. 2
VERTICAL CRACKS	RANDOM		OPEN		(02102111, 00/31/2010) 0021/2
FOOTING	REINFORCED CONCRETE	SPREAD	OTEN		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	STEEL	ROCKER	OD, DAIT	MIDITO CREMINIST	<u>COMMENT</u>
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
RUSTING	THROUGHOUT	EGCATION 2	MINOR	MENISCREMENT	COMMENT
DIAPHRAGM	REINFORCED CONCRETE	CAST-IN-PLACE	WIINOK		
<u>CONDITION</u>	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT	EUCATION 2	MODERATE	MEASUREMENT	COMMENT
REBAR EXPOSED	BOTTOM		MODERATE		
REBAR SECTION LOSS	BOTTOM		MINOR		
SPALLS	THROUGHOUT		MODERATE		
SITEES	Timoodiloci		MODERCHE		
DENT 0	2 IN DEINEARCED CONCRETE	MULTIPLE COLUMN			
BENT-8 56 FT CONDITION	2 IN REINFORCED CONCRETE LOCATION 1	MULTIPLE COLUMN LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT			SEVERIII	MEASUREMENT	COMMENT
BEAM CAP	MATERIAL DEINICOPCED CONCRETE	<u>CONSTRUCTION</u> CAST-IN-PLACE			
CONDITION	REINFORCED CONCRETE		CELEDITY	MEASUREMENT	COMMENT
	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	COMMENT
DELAMINATION	BOTTOM		LARGE		
REBAR EXPOSED	BOTTOM		MODERATE		(CELCENT 00/21/2020) WITH COME CTIRRING CEVERED
REBAR SECTION LOSS	BOTTOM		MINOR		(GEIGEM1, 08/31/2020)WITH SOME STIRRUPS SEVERED
SATURATION SPALLS	THROUGHOUT		MODERATE MODERATE		
	BOTTOM				
VERTICAL CRACKS COLUMN	THROUGHOUT PEINEOPCED CONCRETE	CAST-IN-PLACE	FINE		
COLUMN CONDITION	REINFORCED CONCRETE LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
		LOCATION 2		ME/ISUREMENT	COMMENT
DELAMINATION LEACHING	RANDOM THROUGHOUT		MEDIUM MODERATE		
SCALING	WATERLINE		LIGHT		
SPALLS	RANDOM		MINOR		
VERTICAL CRACKS	RANDOM		OPEN		
FOOTING VERTICAL CRACKS	REINFORCED CONCRETE	SPREAD	OFEN		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
FIXED BEARING	STEEL	FLAT PLATE	SET ERITI	MEAGGREMENT	COMMENT
FIXED BEAKING CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUDEMENT	COMMENT
		·	SEVERIII	<u>MEASUREMENT</u>	COMMENT
EXPANSION BEARING	STEEL	ROCKER			

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CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
RUSTING	THROUGHOUT		HEAVY		
DIAPHRAGM	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	BOTTOM		LARGE		
REBAR EXPOSED	BOTTOM		MANY		
REBAR SECTION LOSS	BOTTOM		MINOR		(NUNNT, 09/30/2021)WITH SOME STIRRUPS SEVERED.
SPALLS	BOTTOM		LARGE		(
BENT-9 56 F	T 2 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION	<u>BB/ BRITT</u>	11211001121112111	COMMENT.
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT	<u>Localitoiv 2</u>	MODERATE	MENDURENT	COMMENT
REBAR EXPOSED	RANDOM		FEW		
REBAR SECTION LOSS	RANDOM		MINOR		
SATURATION	THROUGHOUT		MODERATE		
SPALLS	RANDOM		MODERATE		
VERTICAL CRACKS	THROUGHOUT		FINE		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	11112		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT		MODERATE		
LEACHING	THROUGHOUT		MODERATE		
VERTICAL CRACKS	RANDOM		OPEN		
FOOTING	REINFORCED CONCRETE	SPREAD			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	STEEL	ROCKER	·		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
PACK RUST	RANDOM		HEAVY		(BRITTT1, 12/27/2017)BEARING 2
RUSTING	THROUGHOUT		HEAVY		(
DIAPHRAGM	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	BOTTOM	<u></u>	LARGE		
REBAR EXPOSED	BOTTOM		HEAVY		
REBAR SECTION LOSS	THROUGHOUT		MINOR		(NUNNT, 09/27/2019)MAIN REBAR W/SEVERED STIRRUP
SPALLS	BOTTOM		LARGE		
ABUTMENT-10 52 F	T 2 IN REINFORCED CONCRETE	OPEN CONCRETE			
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	THROUGHOUT		MINOR		
EROSION	GROUND LINE		MODERATE		(NUNNT, 09/30/2021)MODERATE UNDERMINING.
HORIZONTAL CRACKS	TOP		OPEN		, , ,
LEACHING	THROUGHOUT		MINOR		
REBAR EXPOSED	RANDOM		MODERATE		
REBAR SECTION LOSS	TOP		ADVANCED		(GEIGEM1, 08/31/2018)11/16" REMAINS IN FRONT BAR UNDER BEARING 2
SPALLS	AT BEARING		MINOR AFFECT		
FLARED WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	SPREAD			

Design_No = K0415

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COUNTY: JASPER	DISTRICT: SW	State Bridge Inspection I CLASS: STATBR	Keport FED-II	D· 5801	BRIDGE	F. K0415	
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>		COMMENT	L. 10413	
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE					
<u>CONDITION</u> EFFLORESCENCE	<u>LOCATION 1</u> RANDOM	<u>LOCATION 2</u>	<u>SEVERITY</u> MINOR	<u>MEASUREMENT</u>	COMMENT		
HORIZONTAL CRACKS	THROUGHOUT		FINE				
VERTICAL CRACKS COLUMN	THROUGHOUT REINFORCED CONCRETE	CAST-IN-PLACE	FINE				
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT		
FIXED BEARING	STEEL	PEDESTAL(ROTATING)					
<u>CONDITION</u> PACK RUST	<u>LOCATION 1</u> THROUGHOUT	<u>LOCATION 2</u>	<u>SEVERITY</u> MINOR	<u>MEASUREMENT</u>	COMMENT		
RUSTING	THROUGHOUT		HEAVY				
DIAPHRAGM	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBREY	ME ACUDEMENT	COMMENT		
<u>CONDITION</u> DELAMINATION	<u>LOCATION 1</u> THROUGHOUT	<u>LOCATION 2</u>	<u>SEVERITY</u> MODERATE	<u>MEASUREMENT</u>	COMMENT		
REBAR EXPOSED	BOTTOM		FEW				
SPALLS	BOTTOM		MODERATE				
·	**	*OVER/UNDER ROUTES CLEAR	RANCE INFOR	MATION***			
	tical clearances for permitting purposes are taken as 2	2 inches less than the actual field measured clearance.					
VERTICAL CLEARANCE TYPE** VALUE	<u>DIRECTION</u> <u>DATE</u>	COMMENT					
		2 inches less than the actual field measured clearance.	I DETECTION OF	LOLEADANCE		LID ID	
RECORD # ROUTE # LANE 1 KCS RR	S <u>DIRECTION OF TRAFFIC</u>	RIGHT LATERAL CLEARANCE 10 FT 6 IN	<u>LEFT LATERA</u>	AL CLEARANCE		<u>UR-ID</u> 12896	
VERTICAL CLEARANCE TYPE** VALUE	DIRECTION DATE	COMMENT					
ACTUAL 23 FT 7 IN	02/03/2021						
		***STRUCTURE PAINT I	NFORMATION	***			

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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

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CLASS: STATBR FED-ID: 5801 COUNTY: JASPER DISTRICT: SW BRIDGE: K0415 CONDITION: VERY POOR RUST AMOUNT: 1=50% OF SURFACE RUSTED STEEL TONS: 1

> CONTRACT REPAINT ORIGINAL PAINT DEPARTMENT REPAINT

PAINT TYPE: PAINT TYPE: B SYSTEM MANUFACTURE: PAINT TYPE: NAME: BASIC LEAD CHROMIUM NAME: NAME: SURFACE PREP: PAINT COLOR: PAINT COLOR: PAINT COLOR: ALUMINUM

PAINT YEAR: PAINT YEAR: PAINT YEAR: MILS: MILS: MILS: 4

REQUESTED WORK ITEMS

GENERAL WORK COMM	IENTS:					
RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT
REGIONAL	ABUTMENT-CAPS	REPAIR BEARING SEAT	SUBSTRUCTURE	3	08/29/2017	(GEIGEM1, 01/12/2018)WORST AREAS ARE AT ABUTMENT 10 UNDER BEARING 2 AND AT BENT 2 CAP
DISTRICT ROUTINE	ROADWAY SURFACE	SEAL DECK WITH IN DECK	DECK	3	02/26/2020	(GEIGEM1, 02/26/2020)INDECK IN 2023
STIP			REPLACEMENT		03/31/2022	(GEIGEM1, 04/11/2022)2027 - BEAM CAP / DIAPH SPALLS GETTING WORSE
STIP			WEARING SURFACE		03/31/2022	(GEIGEM1, 04/11/2022)2025 - MILL OFF LOW SLUMP CONCRETE AND PLACE 2.25" ASPHALT WEARING
						SURFACE AT NEXT MO 43 PAVING JOB.

UTILITY ATTACHMENTS

UTILITY	OWNER	METHOD	MEASUREMENT TYPE	VALUE	NUMBER	UTILITY ATTACHMENT COMMENT
ELECTRIC		ENCASED			1	(BOWDEJ1, 04/01/2003)SQUARE METAL BOX W/LIGHTS IN CURB
LIGHTING		POLE			1	(WEHMES, 10/10/2013)W RAIL
LIGHTING		POLE			1	(WEHMES, 10/10/2013)E RAIL
TELEPHONE	SWB	ENCASED			9	(WOLKEG, 11/24/2021)ANNUAL AGREEMENT. PLANS SHOW 17" X17" VOID FOR FUTURE CONDUIT.
						ASSUMED CONDUITS ARE ENCASED IN METAL BOX SLEEVE.

PROGRAM NOTES INFORMATION

<u>YEAR</u> 1987	PROJECT # 7-U043-283	MONTH LET	YEAR LET 1987	<u>ITEMS</u>	COMMENT (GEIGEM1, 08/31/2018)DECK REPAIR, LOW SLUMP CONCRETE WEARING SURFACE, THRIE BEAM
					RAIL, SUB REPAIR

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
Rated Item	Rating	Rating Date	1			
[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	1/22/2018				
[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	5/18/2001				
[Item 69] Underclearance:	4-MEETS MINIMUM TOLERABLE	3/4/2003				
Sufficiency Rating:	37.0%	1/22/2018				
Deficiency:	STRUCTURAL	1/22/2018				
Funding Eligibility:			***OUTFALL INSPECTION INFORMATION***			
Estimated New Structure Length:		100				
Estimated Structure Cost:	mated Structure Cost:		# OUTFALLS: 3	IN	INSPECTOR: MATTHEW GEIGER	
Estimated Total Project Cost:			STATUS: PASS		DATE: 08/29/2017	
Year of Cost Estimate:			NOTES: 2 AT NE QUAD			
NOTE: The above structure length and cost estimates are computer generated using algorithims in the TMS system. These algorithms are			1 DROP INLET SOUTH END			
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.						

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