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Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

AB

GENERAL STRUCTURE INFORMATION

STRUCTURE NUMBER : L0962 6689	STRUCTURE STATUS : A-OPEN	MAINTENANCE DISTRICT : CD	MAINTENANCE COUNTY : COOPER	PLACE CODE : 65306 SALINE
DISTRICT : CD	DIRECTION OF TRAFFIC : 2-WAY TRAF	OWNED BY : MODOT	MAINTAINED BY : MODOT	INSPECTORS : KEITH CASON-GOSSETT (ST), ADAM ZENTZ
COUNTY : COOPER	STRUCTURE CLASS : STATBR	FUNCTIONAL CLASSIFICATION : INTERSTATE		INSPECTION DATE : 9/6/2011
FACILITY CARRIED : IS 70 E	DEFICIENT CODE :	LANES ON STRUCTURE : 4		INSPECTION FREQUENCY : 24
CURB TO CURB : 60 Ft. 3.6 In.	SUB AREA : 508	LANES UNDER STRUCTURE : 0		LATITUDE : 38 57 30.63871 (DMS)
STRUCTURE LENGTH : 3,018 FEET	YEAR BUILT : 1960	BEGINNING COMPASS DIRECTION : WEST		LONGITUDE : 92 32 49.0357 (DMS)
FEATURE INTERSECTED : MISSOURI RVR, KATY TR	RECONSTRUCTION YEAR : 1993	ENDING COMPASS DIRECTION : EAST		SCOUR EVALUATION TYPE : SCOUR CATEGORY - C

POSTING INFORMATION

APPROVED POSTING CATEGORY : S-1 LIMITS : NO POSTING REQUIRED NO POSTING REQUIRED
 FIELD POSTING CATEGORY : S-1 LIMITS : NO POSTING REQUIRED NO POSTING REQUIRED
 POSTING PROBLEM : DIRECTION :
 COMMENTS :

ADVANCE SIGNING

SIGN TYPE :
 PROBLEM :
 DIRECTION :

FACILITY CARRIED INFORMATION

(ITEM 29) AVERAGE DAILY TRAFFIC : 15656 (ITEM 30) YEAR OF AVERAGE DAILY TRAFFIC : 2012 PERMITTED VERTICAL CLEARANCE : 18'10" IS 70 W
 (ITEM 53) VERTICAL CLEARANCE OVER DECK : CONVERTED 19.00 FEET 11 INCHES DATE : 05/18/2001 PERMITTED VERTICAL CLEARANCE : 19'5" IS 70 E

OTHER INSPECTION INFORMATION

FRACTURE CRITICAL INFORMATION		UNDERWATER INFORMATION		SPECIAL INFORMATION			
NBI : YES	FREQUENCY : 24	NBI : YES	FREQUENCY : 60	NBI : NO	FREQUENCY : 99	NBI :	FREQUENCY :
PIN : NO	DATE : 09/06/2011	PIN : NO	DATE : 07/26/2012	PIN : NO	DATE : 09/22/2009	PIN :	DATE :
CATEGORY : COMPREHENSIVE		CATEGORY : DEPTH SOUNDINGS		CATEGORY : GUSSET PLATES		CATEGORY :	
METHODS : SNOOPER		METHODS : BOAT		METHODS : SNOOPER		METHODS :	
INSPECTORS : KEITH CASO		INSPECTORS : CURT STEGE, TERRY WILS, PAT MARTEN, TERRY STO		INSPECTORS : KEITH CASO, TOM ALLEN		INSPECTORS :	
COMMENTS : INSPECTION TIME 20 HRS		COMMENTS :		COMMENTS :		COMMENTS :	

PROGRAM NOTES

PROGRAM YEAR : PROJECT NO. : LETTING MONTH : LETTING YEAR :
 COMMENTS :
 PROGRAM ITEMS :

GENERAL COMMENTS : (86'-105'-84'-84'-105'-84'-84'-105'-85'-218'-242'-220') CONT PL GDR - (550'-550') CONT THRU TRUSS - (126'-155'-126') CONT PL GDR SPANS (REPLCD 2013 OF 3538 BOLTS @ STRGS & FLRBM CONN 1995 SNPR INSP)
 RATINGS : (ITEM 58) DECK RATING : 5-FAIR CONDITION 10/16/2012 (ITEM 59) SUPERSTRUCTURE RATING : 6-SATISFACTORY CONDITION 04/02/2002 (ITEM 60) SUBSTRUCTURE RATING : 5-FAIR CONDITION 09/12/2011
 COMMENTS : DECK HAS STEEL SIP FORMS, DECK IS WAVY. MANY T. CRACKS, AND CONSID SCALING COMMENTS : INITIAL SECTION LOSS ON FLBMB BENT 7 AT BEARINGS, SOME ROCKERS ARE TIPPED COMMENTS : BENTS #2 / 12 BRG. SEAT REPD. ROCK PLACED TO FIX SCOUR ON PILE FTGS IN 96

SUMMARY COMPONENTS

APPROACH SERIES	NUMBER OF SPANS	STRUCTURE TYPE	PLATE GIRDERS	NUMBER OF SPANS
1 CONTINUOUS SPAN	3	STEEL	PLATE GIRDERS	3
2 CONTINUOUS SPAN	3	STEEL	PLATE GIRDERS	3
3 CONTINUOUS SPAN	3	STEEL	PLATE GIRDERS	3
4 CONTINUOUS SPAN	3	STEEL	PLATE GIRDERS	3
5 CONTINUOUS SPAN	2	STEEL	THRU TRUSS	2
6 CONTINUOUS SPAN	3	STEEL	PLATE GIRDERS	3
TOTAL NUMBER OF SPANS : 17				

RAILING RATINGS :

(ITEM 36A) BRIDGE RAILING : 1 MEETS CURRENT STANDARDS COMMENT S :
 (ITEM 36B) TRANSITION RAILING : 1 MEETS CURRENT STANDARDS COMMENT S :
 (ITEM 36C) APPROACH RAILING : 1 MEETS CURRENT STANDARDS COMMENT S :
 (ITEM 36D) RAIL END TREATMENT : 0 DOESNT MEET CURRNT STND COMMENT S :
 (ITEM 36A) BRIDGE RAILING :

Design_No = L0962



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

COMPONENT : BRIDGE RAILING COMMENTS : CONCRETE BARRIER DOWN MEDIAN ALSO CONDITION : TRANSVERSE CRACKS CONDITION : VERTICAL CRACKS	REINFORCED CONCRETE THROUGHOUT	MEDIAN BARRIER CURB MANY	DIRECTION : BOTH
COMPONENT : BRIDGE RAILING CONDITION : COLLISION DAMAGE	REINFORCED CONCRETE THROUGHOUT	SAFETY BARRIER CURB MODERATE	DIRECTION : BOTH
(ITEM 36D) RAIL END TREATMENT :			
COMPONENT : RAIL END TREATMENT COMMENTS : TERMINAL SECTION - TURN DOWN >45 BCT	GALVANIZED STEEL ET2000 CONT-100FT	BREKAWAY SYSTEM	MANUFACTURE : ET-2000 DIRECTION : BOTH-EAST
COMPONENT : RAIL END TREATMENT	GALVANIZED STEEL	BREKAWAY SYSTEM	MANUFACTURE : ET-2000 DIRECTION : BOTH-WEST
APPROACH PAVEMENT :			
COMPONENT : APPROACH PAVEMENT CONDITION : DETERIORATION COMMENTS : CRACKED	REINFORCED CONCRETE DRIVING SURFACE	SLAB MODERATE	DIRECTION : BOTH

DECK / RAILING ELEMENTS

(ITEM 58) OVERALL CONDITION RATING : 5-FAIR CONDITION *few*

COMMENTS : DECK HAS STEEL SIP FORMS, DECK IS WAVY. MANY T. CRACKS, AND CONSID SCALING → *SIP forms in good condition thruout JEs need rescaled thruout*

DECK COMPONENTS			
APPROACH SPANS 1			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	
CONDITION : SCALING	RANDOM	LIGHT	
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY	
CONDITION : DETERIORATION	EDGE	MODERATE	
APPROACH SPANS 2			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	
CONDITION : SCALING	RANDOM	LIGHT	
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY	
CONDITION : DETERIORATION	EDGE	MODERATE	
APPROACH SPANS 3			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	
CONDITION : SCALING	RANDOM	LIGHT	
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY	
CONDITION : DETERIORATION	EDGE	MODERATE	
APPROACH SPANS 4			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	
CONDITION : SCALING	RANDOM	LIGHT	
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY	
CONDITION : DETERIORATION	EDGE	MODERATE	
APPROACH SPANS 5			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	
CONDITION : SCALING	RANDOM	LIGHT	
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY	
CONDITION : DETERIORATION	EDGE	MODERATE	
APPROACH SPANS 6			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	
CONDITION : SCALING	RANDOM	LIGHT	
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY	
CONDITION : DETERIORATION	EDGE	MODERATE	
APPROACH SPANS 7			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY <i>few</i>	

few T-cracks visually seen on top of Driving Surface & underside of overhang thruout

Design_No = L0962



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
APPROACH SPANS 8		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
APPROACH SPANS 9		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
APPROACH SPANS 10		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
APPROACH SPANS 11		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
APPROACH SPANS 12		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
MAIN SPANS 13		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
CONDITION : LONGITUDINAL CRACKS	THROUGHOUT	FEW
MAIN SPANS 14		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
CONDITION : LONGITUDINAL CRACKS	THROUGHOUT	FEW
APPROACH SPANS 15		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT
CONDITION : FULL DEPTH PATCHES	DRIVING SURFACE	MANY
CONDITION : DETERIORATION	EDGE	MODERATE
CONDITION : LONGITUDINAL CRACKS	THROUGHOUT	FEW
APPROACH SPANS 16		
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : TRANSVERSE CRACKS	RANDOM	MANY
CONDITION : SCALING	RANDOM	LIGHT

*Deteriorating
STAY IN PLACE forms - Rusting thru underneath @ L-Jt.*



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

CONDITION : RUSTING	MINOR ✓	THROUGHOUT ✓				
APPROACH SPANS 16 CONTINUOUS SPAN	NON-COMPOSITE ✓	STEEL ✓	PLATE GIRDERS	LENGTH : 155 FOOT 0 INCH	WEATHERING IND :	
CONDITION : RUSTING	MINOR ✓	THROUGHOUT ✓				
APPROACH SPANS 17 CONTINUOUS SPAN	NON-COMPOSITE ✓	STEEL ✓	PLATE GIRDERS	LENGTH : 126 FOOT 6 INCH	WEATHERING IND :	
CONDITION : RUSTING	MINOR ✓	THROUGHOUT ✓				

TOTAL NUMBER OF SPANS : 17

SUBSTRUCTURE ELEMENTS

(ITEM 60) OVERALL CONDITION RATING : 5-FAIR CONDITION

COMMENTS : BENTS #2 / 12 BRG. SEAT REPD. ROCK PLACED TO FIX SCOUR ON PILE FTGS IN 96

ABUTMENT	1	LABEL :		REINFORCED CONCRETE	OPEN CONCRETE
LENGTH : 62 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION	THROUGHOUT ✓				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : VERTICAL CRACKS	RANDOM		FEW ✓		
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
FLARED WINGS			REINFORCED CONCRETE	CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	H-PILE	
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE	
EXPANSION BEARING			STEEL	ROCKER	
COMMENTS : SOME ROCKERS ARE TIPPED				OVERALL CONDITION :	
BENT	2	LABEL :		REINFORCED CONCRETE	MULTIPLE COLUMN
COMMENTS : SCOUR DEPTH OF CONCERN 62 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 2. EST PILE LENGTH 73 FEET. BOF ELEV 561.0 PG ELEV 602.84					
LENGTH : 50 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION	THROUGHOUT ✓				
COMMENTS : COLUMNS AND CAPS HAVE MINOR CRACKING					
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	H-PILE	
FIXED BEARING			STEEL	PEDESTAL(ROTATING)	
OVERALL CONDITION :				REINFORCED CONCRETE	MULTIPLE COLUMN
BENT	3	LABEL :		REINFORCED CONCRETE	MULTIPLE COLUMN
COMMENTS : SCOUR DEPTH OF CONCERN 65 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 3. EST PILE LENGTH 75 FEET. BOF ELEV 560.0 PG ELEV 604.61					
LENGTH : 50 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION	THROUGHOUT ✓				
COMMENTS : COLUMNS AND CAPS HAVE MINOR CRACKING					
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	H-PILE	
EXPANSION BEARING			STEEL	ROCKER	
OVERALL CONDITION :				REINFORCED CONCRETE	MULTIPLE COLUMN
BENT	4	LABEL :		REINFORCED CONCRETE	MULTIPLE COLUMN
COMMENTS : SCOUR DEPTH OF CONCERN 67 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 4. EST PILE LENGTH 71 FEET. BOF ELEV 559.0 PG ELEV 606.04					
LENGTH : 50 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION	THROUGHOUT ✓				
COMMENTS : COLUMNS AND CAPS HAVE MINOR CRACKING					
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : DELAMINATION	THROUGHOUT ✓		SEVERE ✓		
CONDITION : LEACHING	THROUGHOUT ✓		MODERATE ✓		
CONDITION : MAP CRACKS	THROUGHOUT ✓		LARGE ✓		
CONDITION : HORIZONTAL CRACKS	TOP ✓		LARGE ✓		
COMMENTS : 2 FOOT FROM BEG AREAS.					
CONDITION : SEALED	BEAM CAP		ASPHALTICBASE		
COMMENTS : THIN & PEELING.					
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : VERTICAL CRACKS	RANDOM ✓		FEW ✓		
FOOTING			REINFORCED CONCRETE	H-PILE	
EXPANSION BEARING			STEEL	ROCKER	
OPEN EXPANSION JOINT			STEEL	FINGER PLATE	
OVERALL CONDITION :				OVERALL CONDITION :	GOOD

Needs resealed

CAST-IN-PLACE 90 PERCENT

Design_No = L0962



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

BENT	5	LABEL :	REINFORCED CONCRETE	MULTIPLE COLUMN
COMMENTS : SCOUR DEPTH OF CONCERN 69 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 5. EST PILE LENGTH 71 FEET. BOF ELEV 558.0 PG ELEV 607.48				
LENGTH : 50 FOOT 0 INCH				
CONDITION : MINOR DETERIORATION THROUGHOUT ✓				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE
FOOTING			REINFORCED CONCRETE	H-PILE
FIXED BEARING			STEEL	PEDESTAL(ROTATING)
			OVERALL CONDITION:	REINFORCED CONCRETE
BENT 6 LABEL :				
COMMENTS : SCOUR DEPTH OF CONCERN 72 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 6. EST PILE LENGTH 71 FEET. BOF ELEV 557.0 PG ELEV 609.25				
LENGTH : 50 FOOT 0 INCH				
CONDITION : MINOR DETERIORATION THROUGHOUT ✓				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE
FOOTING			REINFORCED CONCRETE	H-PILE
EXPANSION BEARING			STEEL	ROCKER
			OVERALL CONDITION:	REINFORCED CONCRETE
BENT 7 LABEL :				
COMMENTS : SCOUR DEPTH OF CONCERN 74 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 7. EST PILE LENGTH 71 FEET. BOF ELEV 556.0 PG ELEV 610.68				
LENGTH : 50 FOOT 0 INCH				
CONDITION : MINOR DETERIORATION THROUGHOUT ✓				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : DELAMINATION	THROUGHOUT		SEVERE ✓	90 PERCENT
CONDITION : LEACHING	THROUGHOUT		MODERATE ✓	
CONDITION : MAP CRACKS	THROUGHOUT		MANY ✓	
CONDITION : HORIZONTAL CRACKS	TOP		MANY ✓	
CONDITION : SEALED	BEAM CAP		ASPHALTICBASE ✓	
COMMENTS : THIN & PEELING.				
CONDITION : DELAMINATION	TOP		SEVERE ✓	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : VERTICAL CRACKS	RANDOM		FEW ✓	
FOOTING			REINFORCED CONCRETE	H-PILE
EXPANSION BEARING			STEEL	ROCKER
OPEN EXPANSION JOINT			STEEL	FINGER PLATE
			OVERALL CONDITION:	OVERALL CONDITION: GOOD
BENT 8 LABEL :				
COMMENTS : SCOUR DEPTH OF CONCERN 76 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 8. EST PILE LENGTH 70 FEET. BOF ELEV 556.0 PG ELEV 612.12				
LENGTH : 50 FOOT 0 INCH				
CONDITION : MINOR DETERIORATION THROUGHOUT ✓				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE
FOOTING			REINFORCED CONCRETE	H-PILE
FIXED BEARING			STEEL	PEDESTAL(ROTATING)
FIXED BEARING			STEEL	HANGER PLATE
CONDITION : PACK RUST	THROUGHOUT ✓		MODERATE ✓	
COMMENTS : BULGING.				
			OVERALL CONDITION:	OVERALL CONDITION:
BENT 9 LABEL :				
COMMENTS : SCOUR DEPTH OF CONCERN 78 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 9. EST PILE LENGTH 69 FEET. BOF ELEV 555.0 PG ELEV 613.28				
LENGTH : 50 FOOT 0 INCH				
CONDITION : MINOR DETERIORATION THROUGHOUT				
COMMENTS : COLUMNS AND CAPS HAVE MINOR CRACKING				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE
FOOTING			REINFORCED CONCRETE	H-PILE
EXPANSION BEARING			STEEL	ROCKER
			OVERALL CONDITION:	REINFORCED CONCRETE
BENT 10 LABEL :				
COMMENTS : SCOUR DEPTH OF CONCERN 85 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 10. EST PILE LENGTH 65 FEET. BOF ELEV 550.0 PG ELEV 615.34				
LENGTH : 52 FOOT 0 INCH				
CONDITION : MINOR DETERIORATION THROUGHOUT ✓				

Design_No = L0962



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE		
CONDITION : DELAMINATION	THROUGHOUT	SEVERE	90 PERCENT		
COMMENTS : WEST SIDE 90% DELAMNED EAST SIDE 15' X 20' & 10' X 20' DELAMNED AREA					
CONDITION : LEACHING	THROUGHOUT	MINOR			
CONDITION : MAP CRACKS	THROUGHOUT	MANY			
CONDITION : REBAR EXPOSED	THROUGHOUT	MINOR			
CONDITION : SEALED	BEAM CAP	ASPHALTICBASE			
COMMENTS : THIN & PEELING.					
CONDITION : DELAMINATION	TOP	SEVERE	95 PERCENT		
COMMENTS : 1' AREA AROUND BRGS IS SOUND					
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE		
CONDITION : VERTICAL CRACKS	RANDOM	FEW			
CONDITION : DELAMINATION	THROUGHOUT	SEVERE	90 PERCENT		
COMMENTS : NW COLUMN 90% DELAMN 58 % ON SW					
FOOTING		REINFORCED CONCRETE	H-PILE		
OPEN EXPANSION JOINT		STEEL	FINGER PLATE	OVERALL CONDITION: GOOD	
FIXED BEARING		STEEL	PEDESTAL(ROTATING)	OVERALL CONDITION:	
				REINFORCED CONCRETE	MULTIPLE COLUMN
BENT	11	LABEL :			
COMMENTS : SCOUR DEPTH OF CONCERN 100 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 11. EST PILE LENGTH 55 FEET. BOF ELEV 539.0 PG ELEV 619.03					
LENGTH : 52 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION THROUGHOUT					
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE		
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE		
FOOTING		REINFORCED CONCRETE	H-PILE		
FIXED BEARING		STEEL	PEDESTAL(ROTATING)	OVERALL CONDITION:	
				REINFORCED CONCRETE	MULTIPLE COLUMN
BENT	12	LABEL :			
COMMENTS : SCOUR DEPTH OF CONCERN 111 FEET FROM DECK ELEV FOR 20 FEET PILE EXPOSURE UNDER BENT FOOTING AT BENT 12. EST PILE LENGTH 47 FEET. BOF ELEV 532.0 PG ELEV 623.13					
LENGTH : 52 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION THROUGHOUT					
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE		
CONDITION : MAP CRACKS	THROUGHOUT	FEW			
CONDITION : HORIZONTAL CRACKS	TOP	FINE			
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE		
FOOTING		REINFORCED CONCRETE	H-PILE		
EXPANSION BEARING		STEEL	ROCKER	OVERALL CONDITION:	
				REINFORCED CONCRETE	MULTIPLE COLUMN
PIER	13	LABEL :			
COMMENTS : ELEV. TOP OF CAP = 612.33 FOOTING INTO ROCK. BOF ELEV = 490.0 PG ELEV = 626.86					
LENGTH : 76 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION COLUMN MINOR DETERIORATION BEAM CAP					
COMMENTS : FINE CRACKS THRU CAP SEAL					
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE		
CONDITION : VERTICAL CRACKS	RANDOM	FINE			
CONDITION : DELAMINATION	THROUGHOUT	MODERATE			
COMMENTS : EAST SIDE WITH 5' X 5' DELAMN					
CONDITION : LEACHING	THROUGHOUT	MINOR			
CONDITION : MAP CRACKS	THROUGHOUT	FEW			
CONDITION : HORIZONTAL CRACKS	TOP	FEW			
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE		
FOOTING		REINFORCED CONCRETE	SPREAD		
COMMENTS : BOF ELEV. 491.39					
COLLISION WALL		REINFORCED CONCRETE	CAST-IN-PLACE		
EXPANSION BEARING		STEEL	ROCKER	OVERALL CONDITION:	
OPEN EXPANSION JOINT		STEEL	FINGER PLATE	OVERALL CONDITION: GOOD	
				REINFORCED CONCRETE	MULTIPLE COLUMN
PIER	14	LABEL :			
COMMENTS : ELEV. TOP OF CAP = 622.59 FOOTING INTO ROCK. BOF ELEV=498.0 PG ELEV=636.17					
LENGTH : 90 FOOT 0 INCH					
CONDITION : MINOR DETERIORATION COLUMN					

Minor West side 90%



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : CD COUNTY : COOPER L0962

CONDITION : DETERIORATION	ENDS	MINOR		
CONDITION : HORIZONTAL CRACKS	ENDS	FEW		
CONDITION : SPALLS	ENDS	MINOR		
FLARED WINGS		REINFORCED CONCRETE	CAST-IN-PLACE	
BACKWALL		REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : VERTICAL CRACKS	RANDOM	FEW		
EXPANSION BEARING		STEEL	ROCKER	OVERALL CONDITION:
CONDITION : OTHER	THROUGHOUT	NOT APPLICABLE		
COMMENTS : EAST ABUT 18 ALL 3 ROCKERS SOLE PLATE WEBS ARE CRACKED. NO CHANGE SINCE 05/14/2003.		ELASTOMERIC	STRIP SEAL	OVERALL CONDITIO
CLOSED EXPANSION JOINT				NR

Rocker #1 3 of 4 Bolts missing in sole plt conn

Rocker #2 all 4 Bolts intact

Rocker #3 1 Bolt missing

MISCELLANEOUS ITEMS

I MEETS CURRENT STANDARDS

COMMENTS : DECK HAS STEEL SIP FORMS. DECK IS WAVY. MANY T. CRACKS, AND CONSID SCALING

COMMENTS : INITIAL SECTION LOSS ON FLBM BENT 7 AT BEARINGS, SOME ROCKERS ARE TIPPED

COMMENTS : BENTS #2 / 12 BRG. SEAT REPD. ROCK PLACED TO FIX SCOUR ON PILE FTGS IN 96

CHANNEL PROTECTION (ITEM 61) CHANNEL CONDITION RATING : 4-SEVERE DAMAGE

COMMENTS : MAJOR DRIFT

SCOUR CONDITION (ITEM 113) OVERALL SCOUR CONDITION RATING : 3-SCOUR CRITICAL-UNSTABLE

COMMENTS : ITEM 113 RATING = 3. DUE TO USGS EVALUATION, SCOUR CATEGORY CHANGED TO C DURING REVIEW. REPORT NOTED CONTRACTION SCOUR WITH PILE EXPOSURE.

100-YR FLOOD ELEV 14.7 FEET BELOW DECK ELEV AT BENT 2 AND 35.0 FEET BELOW DECK ELEV AT BENT 12.

WATERWAY ADEQUACY (ITEM 71) WATERWAY ADEQUACY RATING : DECK ABOVE FLOOD ELEV

APPROACH ROADWAY (ITEM 72) APPROACH ROADWAY ALIGNMENT RATING : 8-VERYGOOD

BANK PROTECTION

ROCK	DEFLECTOR
ROCK	RIP RAP

UTILITY ATTACHMENTS

STRUCTURE PAINT DETAILS

OVERALL PAINT CONDITION : <i>GOOD - fair</i>	RUST AMOUNT : 8%-1% OF SURFACE RUSTED	STEEL TONS : 5,936
ORIGINAL PAINT	CONTRACT REPAINT	DEPARTMENT REPAINT
PAINT TYPE : C SYSTEM	PAINT TYPE :	PAINT TYPE :
NAME : INORGANIC ZINC/VINYL	NAME :	NAME :
PAINT COLOR : ALUMINUM	PAINT COLOR :	PAINT COLOR :
PAINT YEAR : 1994	PAINT YEAR : 0	PAINT YEAR : 0
MILS : 6	MILS : 0	MILS : 0
COMMENTS : POOR PAINT JOB IN 1994		
CREW :	LAYER :	DATE :

WORK

RESPONSIBILITY	LOCATION	WORK ITEM	PRIORITY	DATE REQUESTED
DISTRICT ROUTINE	STREAM CHANNEL	REMOVE DRIFT	2	10/02/2001
	BENT-CAPS	CLEAN AND SEAL	2	10/12/2005
COMMENTS : ALL BENTS WITH FINGERS.				
DISTRICT SPECIAL	BENT	REPAIR EXPANSION DEVICE	3	11/07/2007
COMMENTS : TRIM FINGER JOINT BENT 7 EB EAST FINGERS. COULD POSE A PROBLEM FOR SNOW PLOWS. REPAIR JOINTS @ L4, L8, L19, L12', L4' IN EB DIRECTION. REPAIR JOINTS @ L12', L19, L4 AND WEST ABUTMENT IN WB DIRECTION.				
	ROADWAY SURFACE	SEAL DECK WITH STAR MACRO	2	08/25/2013

9-24-13

Repair Beam caps @ Joints Bent 4, 7, 10, 13, 15, 18

PROGRAM RECOMMENDATIONS

Substructure - concrete Repairs needed @ Piers 4, 7, 10, 13, 15 & 18

Deck -> Joint Repairs thruout

Sub -> cut Trees & brush

Priority 3 - Reseal Top of Caps 3

3

3

Design_No = L0962

Super flush Lower chord, splash zones, Deck & Top of Piers thruout

Deck

Sub

Super -> Clean & paint Exp areas & Low chord up to splash zones

Remove large amt of drift @ Pier 17

3