

# Bridge Inspection Report

**06160**  
**US 278-15 LM 13.75**  
**over**  
**Cut-Off Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**





Inspector:

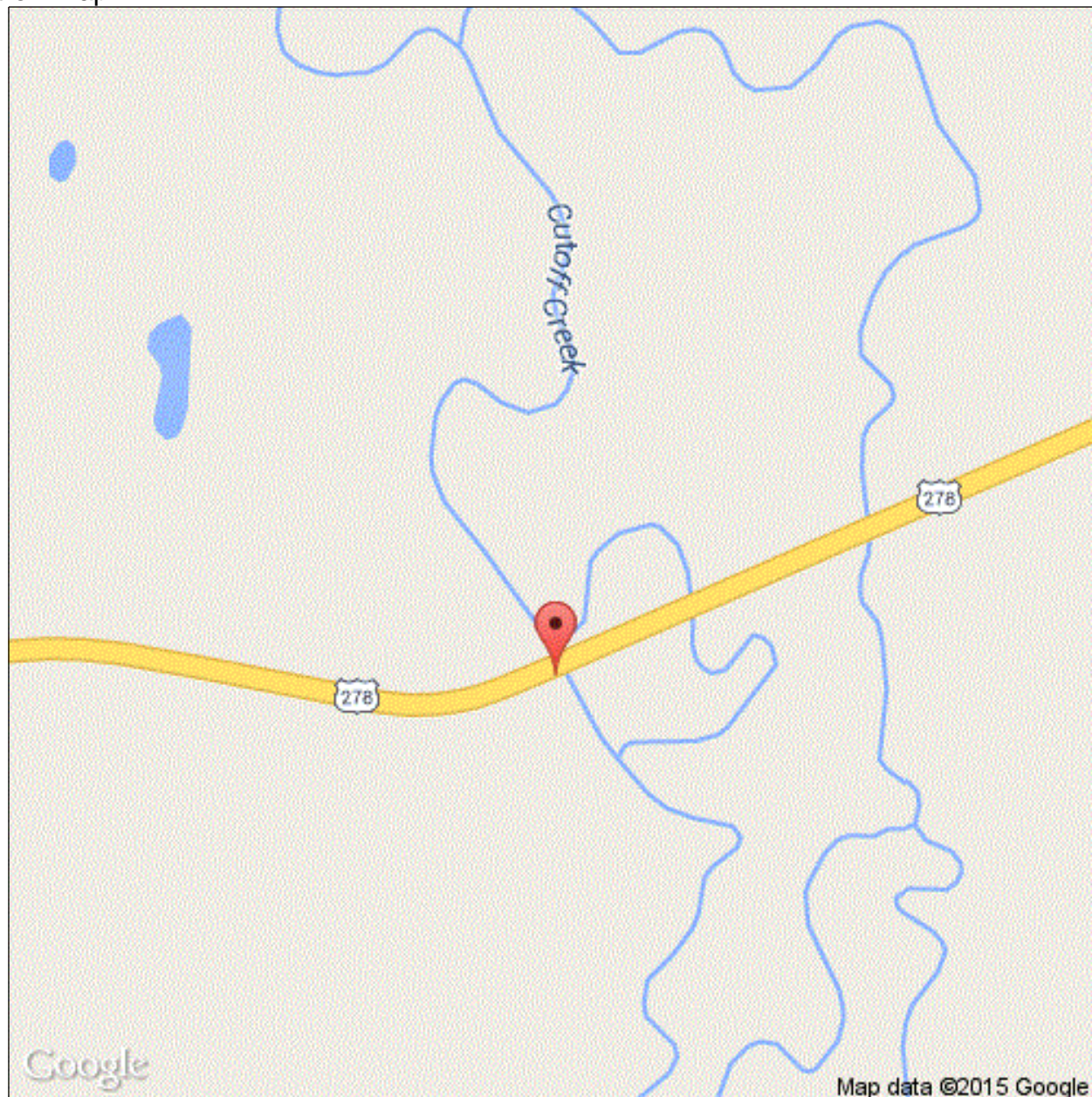
Inspection Date:

Structure Number: 06160

Facility Carried: US 278-15 LM  
13.75

### Bridge Inspection Report

#### Location Map



Latitude: 33.673054439468366

Longitude: -91.58020787119864

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#### Executive Summary

Beginning of structure toward US 425, Monticello, West End.

Changed LM from 13.91 to 13.75 based on Str Ln from TS dated 2/25/05. DRB, 8/10/09

Sounding only this inspection. SDH 7/14/16

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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/10/2017
(8) STRUCTURE NUMBER	06160	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 278 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 043	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Cut-Off Creek	C. OTHER SPECIAL	Y 48 07/14/2016
(7) FACILITY CARRIED	US 278-15 LM 13.75	CONDITION	
(9) LOCATION	8.0 MI W US 65, Tillar	(58) DECK	7
(11) MILEPOINT 13.750	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(16) LATITUDE 33.67305443946836	(17) LONGITUDE -91.58020787119864	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	7
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	5
(27) YEAR BUILT	1987 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 5	36A) BRIDGE RAILINGS:	1
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	2500 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 88.2
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(32) APPROACH ROADWAY WIDTH (ft.)	30.8	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	5
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0

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(114) FUTURE ADT 2371

(115) YEAR OF FUTURE ADT 2028

(40) NAV HORIZONTAL CLEARANCE (ft.) 0

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## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	2944	sq. ft.	2689	255	0	0
	Deck 92' long x 32' wide. Scattered small longitudinal and transverse cracks ( 0.020 inch ) avg.						
1130 - Cracking (RC and Other)		255			255		
107 - Steel Open Girder/Beam	1- Ben.	450	ft.	0	450		
	Girders: 5 each per span./ spans 1- 3. All girders are dark brown with a granular texture.						
515 - Steel Protective Coating		2550	sq. ft.	0	0	2550	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		2550				2550	
215 - Reinforced Concrete Abutment	1- Ben.	78	ft.	72	6	0	0
	Abutments: 39' each bents 1 & 4. Scattered vertical cracks in back walls. Bent 4 back wall has small spall with exposed rebar.						
1090 - Exposed Rebar		1			1		
1130 - Cracking (RC and Other)		5			5		
227 - Reinforced Concrete Pile	1- Ben.	10	each	10			
	Pile: 5 each bents 2 & 3.						
234 - Reinforced Concrete Pier Cap	1- Ben.	64	ft.	64			
	Cap: 32' each bents 2 & 3.						
302 - Compression Joint Seal	1- Ben.	64	ft.	19	0	45	0
	Joint Seals: 32' each bents 1 & 4 Joint seals have debris buildup and asphalt along tops.						
2350 - Debris Impaction		45				45	
311 - Movable Bearing	1- Ben.	10	each	0	10	0	0
	Movable Bearings: 5 each bents 1 & 4 Light flaking rust forming.						
1000 - Corrosion		10			10		
515 - Steel Protective Coating		30	sq. ft.	0	0	30	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		30				30	
313 - Fixed Bearing	1- Ben.	10	each	0	10	0	0
	Fixed Bearings: 5 each bents 2-3						
1000 - Corrosion		10			10		
515 - Steel Protective Coating		30	sq. ft.	0	30	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		30			30		
331 - Reinforced Concrete Bridge Railing	1- Ben.	184	ft.	184			
	Railing : 92' each side.						



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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 07/10/2017

Priority: G - General/ Preventive maintenance

Work Code:

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#### Deficiency Description:

Spans 1 & 3 vines and vegetation growing under bridge.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

Gerald: remove vegetation and advise when complete

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Stage: Open



PHOTO 1      Description      Span 1 vines growing on the underside of bridge.

Stage: Open



PHOTO 2      Description      Span 1 & 3 Vines and vegetation growing under bridge.



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#### Maintenance Needs

Date Reported: 07/10/2017

Priority: G - General/ Preventive maintenance

Work Code:

---

Deficiency Description:

Joint seals at bents 1 & 4 are asphalt and debris filled.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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