

# Bridge Inspection Report

**07077  
US 79  
over  
CYPRESS CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**





Inspector:

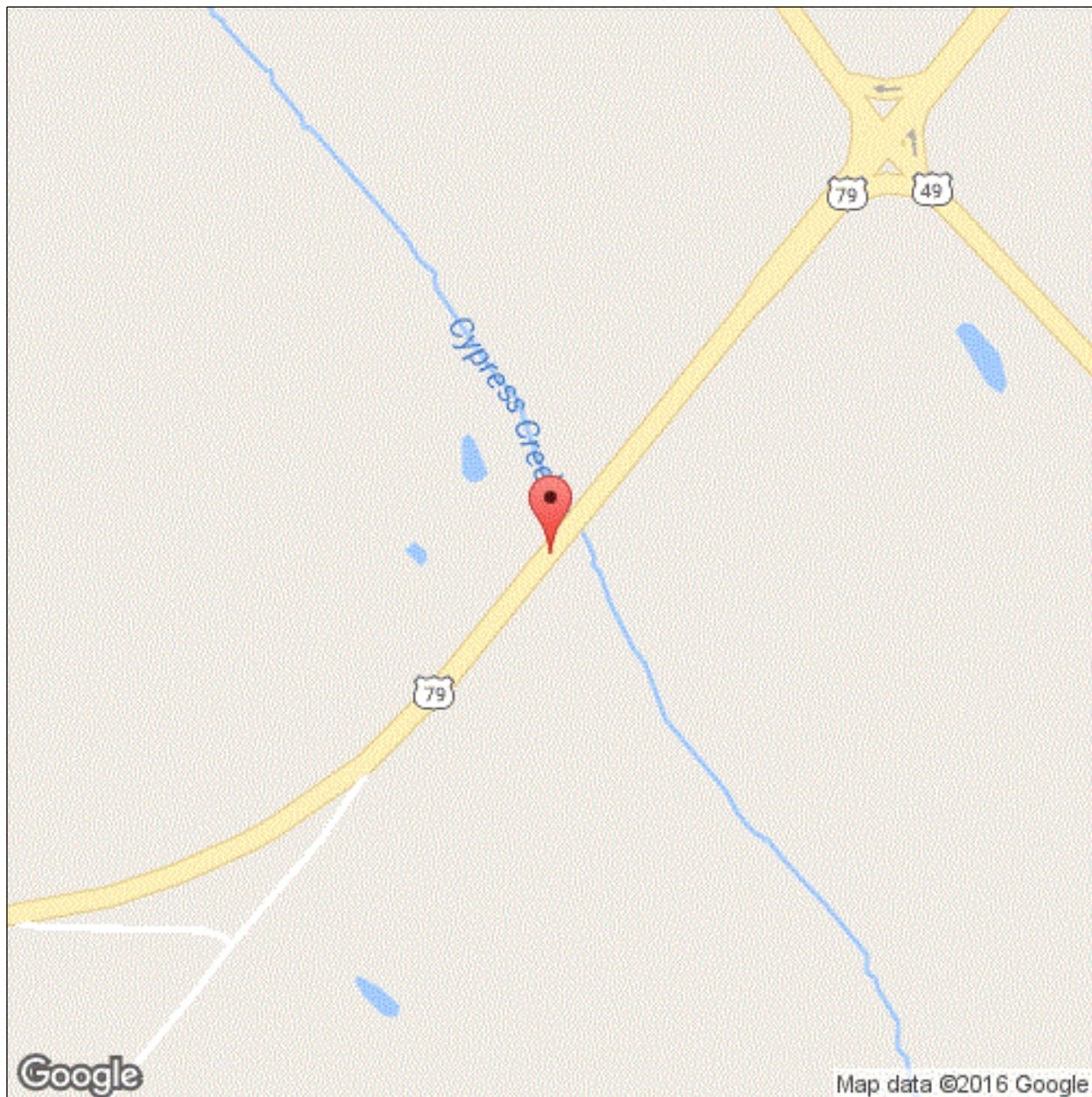
Structure Number: 07077

Inspection Date:

Facility Carried: US 79

## Bridge Inspection Report

### Location Map



Latitude: 34.694260

Longitude: -91.149208

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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/24/2016
(8) STRUCTURE NUMBER	07077	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 79 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01 (3) COUNTY CODE 095	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CYPRESS CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 79		
(9) LOCATION	0.25 MI S US 49		
(11) MILEPOINT 9.400	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.694260	(17) LONGITUDE -91.149208		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE	8 (60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 2		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 3		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2010	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	A
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 1600	(19) BYPASS DETOUR LENGTH 15	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 24		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 44	(49) STRUCTURE LENGTH (ft.) 222.1	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 43.2		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 40.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.90		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 98.2
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 2200	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	9568	sq. ft.	9538	30	0	0
	EACH SPAN HAS 3 TO 4 LONGITUDINAL HAIRLINE CRACKS AND 2 TO 3 TRANSVERSE HAIRLINE CRACKS. SOFFIT OVERHANGS HAVE TRANSVERSE HAIRLINE CRACKS ALL SPANS. 3 PER SPAN EACH SIDE						
1120 - Efflorescence/Rust Staining		30			30		
107 - Steel Open Girder/Beam	1- Ben.	1100	ft.	1100			
515 - Steel Protective Coating		7502	sq. ft.	7502			
215 - Reinforced Concrete Abutment	1- Ben.	124	ft.	118	6	0	0
	ABUTMENT WALLS HAVE SEVERAL VERTICAL CRACKS WITH EFFLORESCENCE. THREE EACH END						
1120 - Efflorescence/Rust Staining		6			6		
227 - Reinforced Concrete Pile	1- Ben.	24	each	24			
234 - Reinforced Concrete Pier Cap	1- Ben.	162	ft.	162			
302 - Compression Joint Seal	1- Ben.	86	ft.	86			
515 - Steel Protective Coating		258	sq. ft.	0	175	0	83
3440 - Effectiveness (Steel Protective Coatings)		258			175		83
310 - Elastomeric Bearing	1- Ben.	30	each	30			
331 - Reinforced Concrete Bridge Railing	1- Ben.	444	ft.	444			

## Agency Inventory

## Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS

 IN

WEATHERING STEEL

Yes

PIN / HANGER

No

STAY IN PLACE FORMS

Yes

STEEL TONS

 Tons

(41) STRUCTURE

A

OPEN/POSTED/CLOSED

## Location

ROAD / ROUTE NAME

SECTION

ZONE

## Seismic

SEISMIC

Yes

SEISMIC YEAR / ZONE

## Notification

SCHOOL DISTRICT EMAIL

OWNER EMAIL

LATE REASON

## Load Po

## Calculated

CODE 4 VEHICLE (22 tons)

CODE 9 VEHICLE (31 tons)

CODE 5 VEHICLE (40 tons)

## Posted

Bridge Beginning

CODE 4  TonsCODE 9  TonsCODE 5  Tons

## Stip

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

## Notes



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 08/24/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Vegetation growing beside and under bridge span #1 left and right side

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1      Description      Vegetation span #1 right side

Stage: Open



PHOTO 2      Description      Vegetation abutment #1 left side