

# Bridge Inspection Report

05771  
US 79  
over  
UPRR



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**





Inspector:

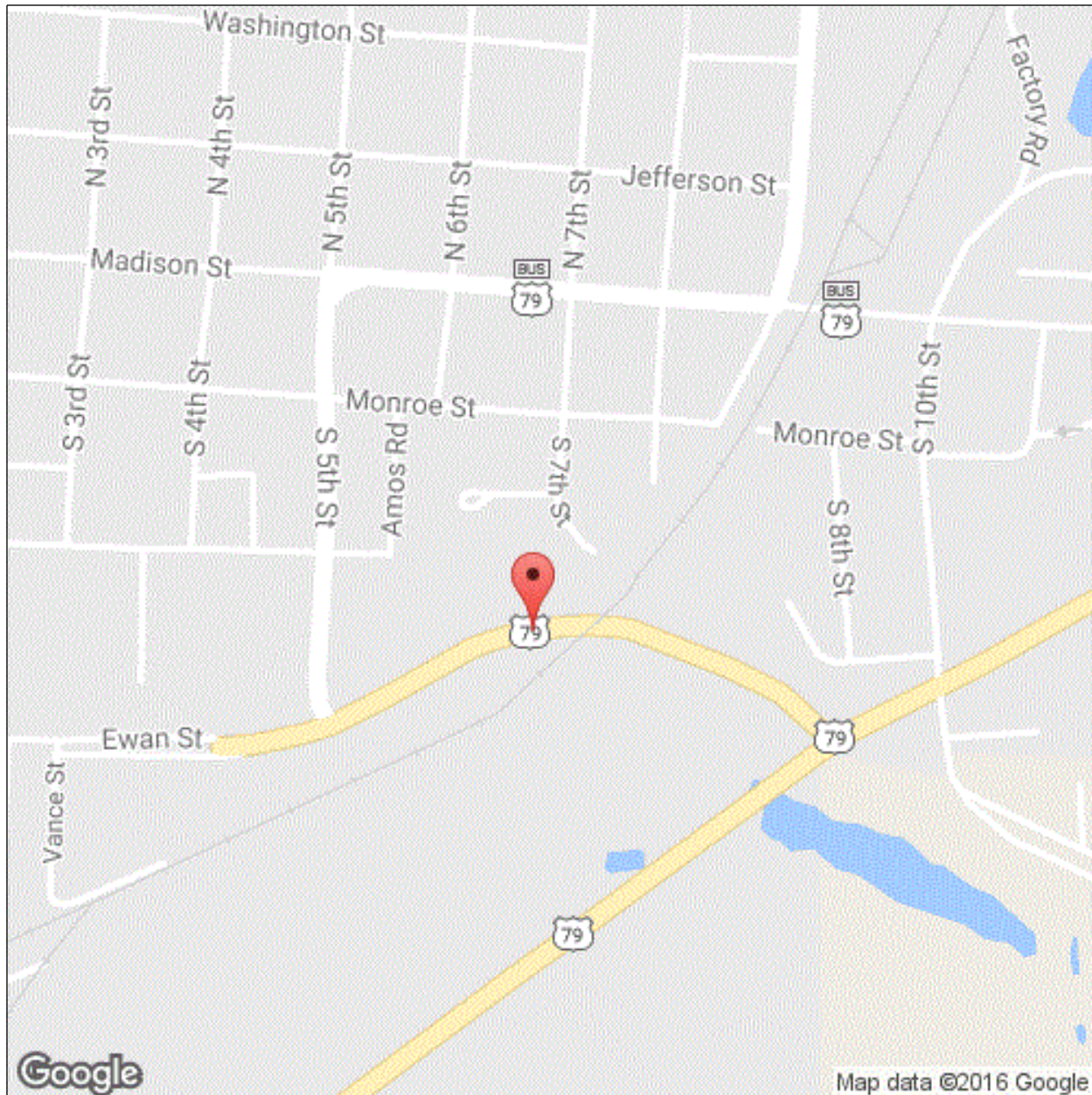
Structure Number: 05771

Inspection Date:

Facility Carried: US 79

## Bridge Inspection Report

### Location Map



Latitude: 34.689781

Longitude: -91.307205

Inspector:

Structure Number: 05771

Inspection Date:

Facility Carried: US 79

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/15/2016
(8) STRUCTURE NUMBER	05771	(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
(4) PLACE CODE	13300	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	UPRR	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	US 79	C. OTHER SPECIAL	N
(9) LOCATION	.14MI E OF JCT US 79B & 79	CONDITION	
(11) MILEPOINT	0.270	(58) DECK	7
(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000079140	(60) SUBSTRUCTURE	7
(13B) SUBROUTE NUMBER		(61) CHANNEL & CHANNEL PROTECTION	N
(16) LATITUDE	34.689781	(62) CULVERT	N
(17) LONGITUDE	-91.307205	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:	3 - Steel	(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	5	(68) DECK GEOMETRY	5
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(107) DECK STRUCTURE TYPE	1	(71) WATERWAY ADEQUACY	N
(108A) WEARING SURFACE	1	(72) APPROACH ROADWAY ALIGNMENT	6
(108B) DECK MEMBRANE	0	(36) TRAFFIC SAFETY FEATURE	
(108C) DECK PROTECTION	0	36A) BRIDGE RAILINGS:	1
AGE OF SERVICE		36B) TRANSITIONS:	1
(27) YEAR BUILT	1980	36C) APPROACH GUARDRAIL:	1
(106) YEAR RECONSTRUCTED	0000	36D) APPROACH GUARDRAIL ENDS:	1
(42) TYPE OF SERVICE	ON 1 UNDER 2	(113) SCOUR CRITICAL BRIDGES	N
(28) LANES	ON 02 UNDER 00	SUFFICIENCY RATING	0
(29) AVERAGE DAILY TRAFFIC	2800	STATUS	98.7
(19) BYPASS DETOUR LENGTH	1	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(48) LENGTH OF MAX SPAN (ft.)	72	(100) STRAHNET HIGHWAY DESIGNATION	0
(49) STRUCTURE LENGTH (ft.)	291	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(102) DIRECTION OF TRAFFIC	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(110) DESIGNATED NATIONAL NETWORK	1
(33) BRIDGE MEDIAN	0	(20) TOLL	3
(34) SKEW (DEG.)	43	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0	(22) OWNER	01
(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(37) HISTORICAL	5
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.7	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	N
(54) VERTICAL UNDER CLEARANCE (ft.)	R 22.70	(111) PIER OR ABUTMENT PROTECTION	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R 19	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	17.1	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
PROPOSED IMPROVEMENTS		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	3184		
(115) YEAR OF FUTURE ADT	2028		

Inspector:

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## Bridge Inspection Report

## National Bridge Inventory

## UNDER RECORD

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	US 79B
(3) COUNTY CODE	095	(8) STRUCTURE NUMBER	05771
(4) PLACE CODE	13300	(9) LOCATION	.14MI E OF JCT US79B&79
(5) INV. ROUTE (ON/UNDER)	2 6 79 0	(11) MILEPOINT	0.27 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	UPRR	(13A) LRS INVENTORY ROUTE	0000079140 (13B) SUBROUTE NUMBER
		(16) LATITUDE	34.689781 (17) LONGITUDE -91.30720

## STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 3 - Steel  
 B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

## AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	2013
(27) YEAR BUILT	1980	(42) TYPE OF SERVICE	ON 1 UNDER 2
(28) LANES	ON 02 UNDER 00	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	2300		

## GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	22.8	(48) LENGTH OF MAXIMUM SPAN	72 (49) STRUCTURE LENGTH	291
(47) TOTAL HORIZONTAL CLEARANCE	46			

## CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	

## Agency Inventory

## Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS

0

IN

WEATHERING STEEL

No

PIN / HANGER

No

STAY IN PLACE FORMS

Yes

STEEL TONS

159.5

Tons

(41) STRUCTURE

A

OPEN/POSTED/CLOSED

## Location

ROAD / ROUTE NAME

US 79 B

SECTION

14

ZONE

0

## Seismic

SEISMIC

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

Tons

CODE 9

Tons

CODE 5

Tons

## Stip

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

## Notes

DRAWING NUMBERS 22145-58

Inspector:

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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.	12170	sq. ft.	0	12170	0	0
	all spans have map cracking full length each lane.						
1130 - Cracking (RC and Other)		12170			12170		
107 - Steel Open Girder/Beam	1- Ben.	1728	ft.	1728			
515 - Steel Protective Coating		14312	sq. ft.	14312			
205 - Reinforced Concrete Column	1- Ben.	14	each	10	3	1	0
	BENT #2 COLUMN #2 CRACKED ON BACK FACE COLUMN #3 IS CRACKED DELAMINATED AND SPALLED WITH EXPOSED REBAR. BENT #3 COLUMN #3 AHEAD FACE MULTIPLE REBAR EXPOSED DUE TO POOR CONCRETE COVERAGE. BENT #5 COLUMN #2 AHEAD FACE SPALLED WITH EXPOSED REBAR.						
1090 - Exposed Rebar		3			2	1	
1130 - Cracking (RC and Other)		1			1		
215 - Reinforced Concrete Abutment	1- Ben.	155	ft.	155			
	ABUTMENT #1 RT. END POST HAS COLLISION DAMAGE						
234 - Reinforced Concrete Pier Cap	1- Ben.	214	ft.	190	0	24	0
	BENT #2 RIGHT END SPALL WITH EXPOSED REBAR. BENT #2 CAP BACKFACE OVER COLUMN #2 SPALLED WITH EXPOSED REBAR BENT #3 CAP RT. END & LT. END MAP CRACKED. BENT #3 AHEAD FACE LEFT END OVER COLUMN #2 SMALL SPALLS DUE TO POOR COVERAGE. BENT #4 RIGHT END SPALLED WITH EXPOSED REBAR. BENT #5 CAP SPALLED / W EXPOSED REBAR. BOTH ENDS CRACKED. BENTS #4&5 CAPS HAVE 4' LONG TRANSVERSE CRACKS AT TOP ON AHEAD FACE. BENT #6 CAP LEFT AND RIGHT ENDS MAP CRACKING WITH EFFLORESCENCE						
1090 - Exposed Rebar		10				10	
1120 - Efflorescence/Rust Staining		6				6	
1130 - Cracking (RC and Other)		8				8	
302 - Compression Joint Seal	1- Ben.	338	ft.	338			
515 - Steel Protective Coating		1014	sq. ft.	0	0	676	338
3440 - Effectiveness (Steel Protective Coatings)		1014				676	338
311 - Movable Bearing	1- Ben.	30	each	26	4	0	0
	BENT#2 GIRDER #2 ANCHOR BOLT BROKEN BENT#2 GIRDER #3 ANCHOR BOLT BROKEN BENT #2 GIRDER #5 ANCHOR BOLT BROKEN Span #4 bent #5 girder #2 head of pivot bolt sheared off						

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## Bridge Inspection Report

## Element Inspection

1020 - Connection		4			4		
515 - Steel Protective Coating		90	sq. ft.	0	0	90	0
3440 - Effectiveness (Steel Protective Coatings)		90				90	
313 - Fixed Bearing	1- Ben.	30	each	29	1	0	0
	BENT #1 MISSING GIRDER OUTSIDE GIRDER DEFICIENCIES HAS ANCHOR NUT						
1020 - Connection		1			1		
515 - Steel Protective Coating		90	sq. ft.	0	0	90	0
3440 - Effectiveness (Steel Protective Coatings)		90				90	
321 - Reinforced Concrete Approach Slab	1- Ben.	1680	sq. ft.	0	1680	0	0
	BOTH APPROACH SLABS HAVE MAP CRACKING FULL LENGTH BOTH LANES						
1130 - Cracking (RC and Other)		1680			1680		
331 - Reinforced Concrete Bridge Railing	1- Ben.	582	ft.	281	301	0	0
	LEFT RAIL TOP HAS MAP CRACKING FULL LENGTH. SPAN #1 LEFT WALL HAS SMALL SPALLS DUE TO POOR COVERAGE.						
1090 - Exposed Rebar		10			10		
1130 - Cracking (RC and Other)		291			291		



Inspector:

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 11/15/2016

Priority: D - Routine

Work Code:

Deficiency Description:

BENTS #4&5 AHEAD FACE HAVE TRANSVERSE CRACKS AT TOP

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1      Description      Bent #5 cap ahead face 4' transverse crack at top over column #2

Stage: Open



PHOTO 2      Description      Bent #4 cap ahead face at column #3 transverse cracks (4'in length)

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 11/15/2016

Priority: C - Important

Work Code:

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Deficiency Description:

BENT #2 COLUMN #3 BACK FACE IS CRACKED AND DELAMINATED WITH EXPOSED REBAR

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Open



PHOTO 1    Description    Bent #2 column #3

Inspector:

Structure Number: 05771

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/6/2010 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CAPS

BT # 2 RT. END

BT.#3 AHEAD FACE

BT. #4 LT. & RT. END

BT. #5 LT. & RT. END

BT. #6 LT. & RT. END

CAPS HAVE MAP CRACKING, DELAMINATIONS, SPALLS IN THESE AREAS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1      Description      Bent #2 cap left end

Stage: Monitor



PHOTO 2      Description      Bent #2 cap right end



Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 3      Description      Bent #3 cap right end spalled with exposed rebar

Stage: Monitor



PHOTO 4      Description      Bent #4 right end

Stage: Monitor



PHOTO 5      Description      Bent #5 cap right end

Stage: Monitor



PHOTO 6      Description      Bent #5 cap left end

Inspector:

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 7 Description Bent #6 cap left end

Stage: Monitor



PHOTO 8 Description Bent#6 cap right end



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/6/2010 12:00:00 AM

Priority: C - Important

Work Code:

---

Deficiency Description:  
ANCHOR BOLTS

BT. #1 GRD. #6  
ANCHOR NUT MISSING

SPAN # 1 BENT # 2  
GIRDERS # 2,3,5  
ANCHOR BOLTS ARE BROKEN OFF

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Bent #1 girder #6 outside anchor bolt nut missing

Stage: Monitor



PHOTO 2      Description      Span #1 bent #2 girders #2,3,5 have anchor bolts broken off

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/6/2010 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

COLUMN

BT. #3 COLUMN #3

AHEAD FACE

BENT #5 COLUMN #2

AHEAD FACE

COLUMNS HAVE AREAS OF EXPOSED REBAR  
DUE TO POOR CONCRETE COVERAGE.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Bent #3 column #3 ahead face

Stage: Monitor



PHOTO 2      Description      Bent #5 column #2 ahead face

Inspector:

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### Maintenance Needs

Date Reported: 12/6/2010 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

END POST

ABUT. #1 RT.

END POST HAS COLLISION DAMAGE

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Abutment #1 right end post



Inspector:

Structure Number: 05771

Inspection Date:

Facility Carried: US 79

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/6/2010 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

GUTTER

ABUMENT # 2 RIGHT

GUTTER IS FULL OF DIRT CAUSING WATER  
TO BACK UP ON APPROACH GUTTER.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Abutment #2 right approach gutter

Inspector:

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Inspection Date:

Facility Carried: US 79

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/1/2014 12:00:00 AM

Priority: C - Important

Work Code:

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Deficiency Description:

ABUTMENT #1&2

SLOPE PAVEMENT

SLOPE HAS TWO TREES GROWING THROUGH CONCRETE.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      Abutment #1 trees growing up in slope pavement

Stage: Monitor



PHOTO 2      Description      Tree growing up in slope pavement abutment #2