



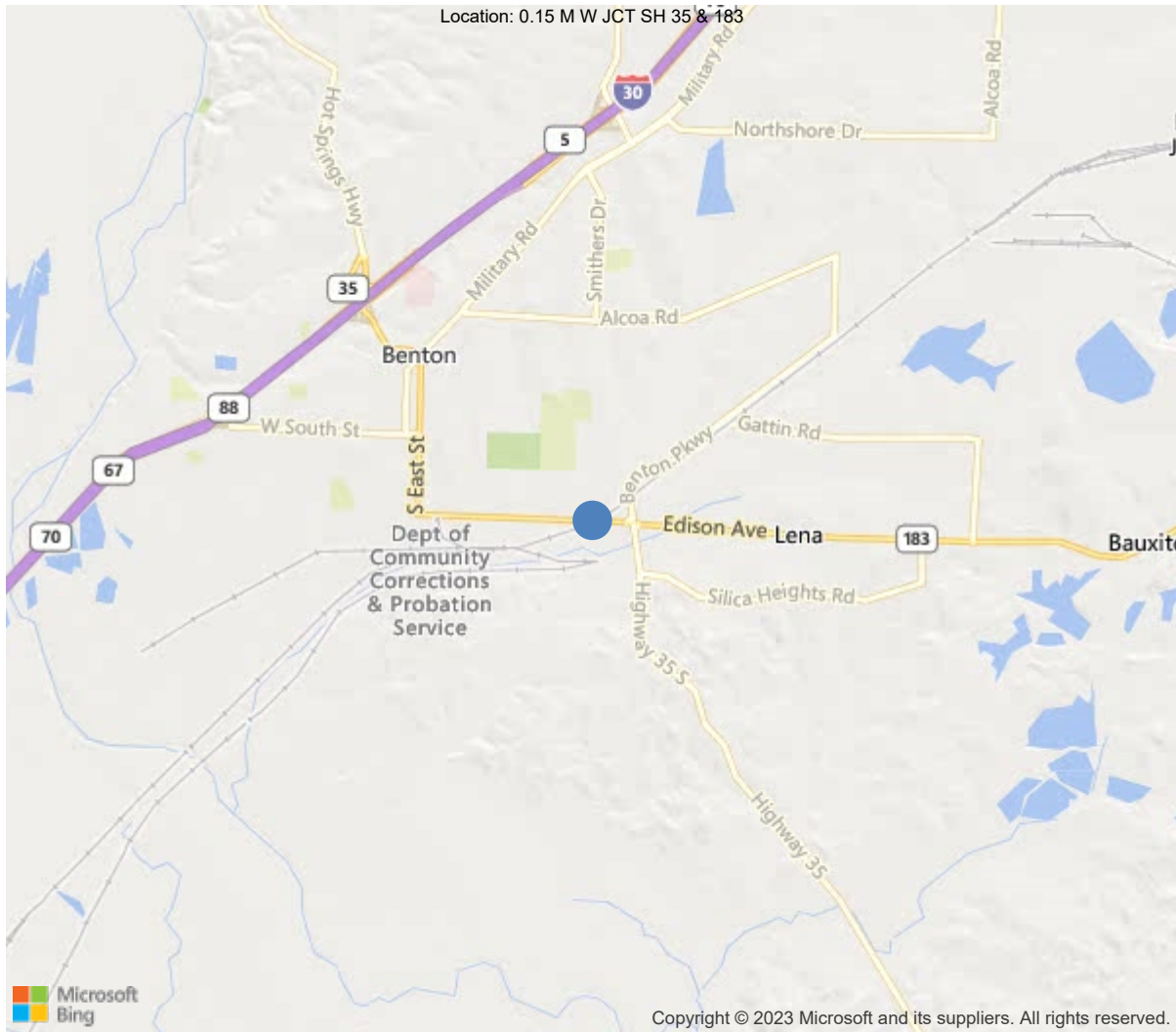
Latitude:34.55724, Longitude:-92.57032

Route:35 Section:01 Log:2.41

Arnold Road ID:62x35x1xA, Arnold Log mile:2.407

District 06, 125 - Saline County

Owner: 1 - State Highway Agency



34.55724, -92.57032



Asset #07087(Routine)

SH 35-1 Log 2.41 over U.P.R.R.

Location: 0.15 M W JCT SH 35 & 183

Team Lead: Chris Doggett, Inspection Date: 04/14/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07087
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	125 - Saline County
(4) Place Code	5290
(6) Features Intersected	U.P.R.R.
(7) Facility Carried	SH 35-1 Log 2.41
(9) Location	0.15 M W JCT SH 35 & 183
(11) Mile Point	2.41 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.55724
(17) Longitude	-92.57032
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
Type	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2008
(106) Year Reconstructed	0
(42) Type of Service	12
On	1 - Highway
Under	2 - Railroad
(28) Lane	
On	3
Under	0
(29) Average Daily Traffic	13704
(30) Year of ADT	2018
(109) Truck ADT	6 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	168 ft
(49) Structure Length	172 ft
(50) Curb or Sidewalk Width	
Left	6 ft
Right	6 ft
(51) Bridge Roadway Width Curb to Curb	49.9 ft
(52) Deck Width Out to Out	50 ft
(32) Approach Roadway Width (W/Shoulders)	49.9 ft
(33) Bridge Median	0 - No median
(34) Skew	59 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	65 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	23.17 ft
Ref:	
(55) Min Lat Underclear RT	33.4 ft
Ref:	
(56) Min Lat Underclear LT	29.2 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(111) Pier Protection	1 - Navigation protection not
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	16 - Urban Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	36
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	9
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	N - Bridge not over waterway.
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	9570
(115) Year of Future ADT	2026

INSPECTIONS *			
(90) Inspection Date	04/14/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



Asset #07087(Routine)

District: 06, County: 125 - Saline County

Team Lead: Chris Doggett, Inspection Date: 04/14/2022

### General Observation

Plans Job # 061039 Layout sheet # 48965 Logged south bound.

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**59 - Superstructure** (8 - VERY GOOD CONDITION - no problems noted.)

Under clearance

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### A-46 - Asset Files

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	8400	8355	45	0	0
1120	Efflorescence/Rust Staining	SF	45	0	45	0	0
(12) 4/2/2018 - KRM & RLS - Deck has transverse cracks in all spans.. Soffits have transverse cracks with efflorescence.							
Scattered longitudinal and transverse cracks up to 0.030 wide. Most all cracks have been sealed in the past.							
107	Steel Open Girder/Beam	LF	1344	1344	0	0	0
515	Steel Protective Coating	SF	17916	17916	0	0	0
(107) No apparent noteworthy defects at this inspection.							
215	Reinforced Concrete Abutment	LF	444	389	55	0	0
1120	Efflorescence/Rust Staining	LF	12	0	12	0	0
1130	Cracking (RC and Other)	LF	28	0	28	0	0
4000	Settlement	LF	15	0	15	0	0
(215) Both abutments have diagonal/vertical cracks with efflorescence staining. Bent 1 bay 7 concrete ditch paving between MSE wall and abutment has settled in this area approximately 15' in length.							
301	Pourable Joint Seal	LF	256	244	7	5	0
2310	Leakage	LF	12	0	7	5	0
(301) Pourable joints at bent 1 and 2 have some voids							
310	Elastomeric Bearing	EA	16	16	0	0	0
(310) No apparent noteworthy defects at this inspection.							
330	Metal Bridge Railing	LF	336	336	0	0	0
515	Steel Protective Coating	SF	2016	2016	0	0	0
(330) No apparent noteworthy defects at this inspection.							
331	Reinforced Concrete Bridge Railing	LF	336	279	57	0	0
1120	Efflorescence/Rust Staining	LF	12	0	12	0	0
1130	Cracking (RC and Other)	LF	45	0	45	0	0
(331) Concrete bridge rail has vertical cracks some with efflorescence staining.							





Asset #07087(Routine)

SH 35-1 Log 2.41 over U.P.R.R.

Location: 0.15 M W JCT SH 35 & 183

Team Lead: Chris Doggett, Inspection Date: 04/14/2022

## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	1344	1344	0	0	0
515	Steel Protective Coating	SF	17916	17916	0	0	0
(107) No apparent noteworthy defects at this inspection.							

**59 - Superstructure** (8 - VERY GOOD CONDITION - no problems noted.)

Comment: Under clearance

**Asset #07087(Routine)**





Asset #07087(Routine)

SH 35-1 Log 2.41 over U.P.R.R.

Location: 0.15 M W JCT SH 35 & 183

Team Lead: Chris Doggett, Inspection Date: 04/14/2022

## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Elevation



Inventory looking south



Sealed diagonal cracks





Large diagonal crack



Bent 2, right lane: joint seal with a few holes allowing water to flow through.



Deck view



Soffit view



**Asset #07087**(Routine)

**SH 35-1 Log 2.41 over U.P.R.R.**

**Location: 0.15 M W JCT SH 35 & 183**

**Team Lead:** Chris Doggett, **Inspection Date:** 04/14/2022

#### **Maintenance Needs**

**Date Reported:** 04/18/2012  
**Priority:** C - Important  
**Type of Work:** Repair (General)  
**Status:** Open  
**Component:** Miscellaneous

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#### **Deficiency Description**

At abutment 1, South M.S.E. wall.  
Top has 10 feet of traffic damage.  
Also, the ditch paving behind the MSE wall at Bent 2 on the left side has failed causing slope erosion and multiple MSE wall anchor straps are exposed.

#### **Remarks**

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Bent 1, right side: slope paving is failing due to erosion.



Bent 1, right side: top of MSE wall damaged due to collision.



Bent 1 right side traffic impact to top of MSE wall



Bent 1, right side, top of MSE wall damaged due to collision.



**Date Reported:** 04/17/2014  
**Priority:** B - Pressing  
**Type of Work:** Repair (General)  
**Status:** Open  
**Component:** Miscellaneous

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### Deficiency Description

The ditch paving behind the MSE wall at Bent 2 on the left side has failed causing slope erosion and an MSE wall anchor strap is exposed.

Photos attached.

Added 4/2/2018 The ditch paving behind the MSE wall at Bent 1 on the right side has failed causing slope erosion and an MSE wall anchor strap is exposed.

(Photos attached)

4/14/2022 The erosion behind the MSE wall is progressing and exposing multiple anchor straps now.

### Remarks

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The ditch paving behind the MSE wall at Bent 2 on the left side has failed causing slope erosion and multiple MSE wall anchor straps are exposed.



The ditch paving behind the MSE wall at Bent 2 on the left side has failed causing slope erosion and multiple MSE wall anchor straps are exposed.



Ditch paving next to MSE wall at the right side of bent one has been undermined and 20' has collapsed.



Ditch paving bent 2 left side.





Ditch paving has failed at bent 2 left side. Approximately 35 ' has erosion and ditch paving has dropped 3'.



The ditch paving behind the MSE wall at Bent 2 on the left side has failed causing slope erosion and an MSE wall anchor strap is exposed. Photos attached.

**Date Reported:** 04/16/2020  
**Priority:** C - Important  
**Type of Work:** Repair (General)  
**Status:** Monitor  
**Component:** Miscellaneous

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**Deficiency Description**

Bent 1 abutment between beams 7 & 8 the slope pavement between abutment and MSE wall has settled up to 14 inches.

**Remarks**

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Slope paving between MSE wall and abutment  
bent 1 has settled up to 14"

**Date Reported:** 04/16/2020  
**Priority:** D- Routine  
**Type of Work:** Repair (General)  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

Abutment 2 is leaking dynafill at base of MSE wall.

**Remarks**

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Bent 2: backfill material is leaking through the joint of the MSE wall.  
Under girder 3



Abutment 2 is leaking dynafill at base of MSE wall.



**Date Reported:** 04/16/2020  
**Priority:** C - Important  
**Type of Work:** Repair (General)  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

Southbound lane at north abutment, asphalt approach has settled.

**Remarks**

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Southbound lane at north abutment, asphalt approach has settled.





**Asset #07087**(Routine)

**SH 35-1 Log 2.41 over U.P.R.R.**

**Location: 0.15 M W JCT SH 35 & 183**

**Team Lead:** Chris Doggett, **Inspection Date:** 04/14/2022

**Date Reported:** 04/15/2022  
**Priority:** A - Safety deficiency; requires prompt action  
**Type of Work:** Repair (General)  
**Status:** Open  
**Component:** Bridge

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**Deficiency Description**

Bent 2, left side of the bridge a large void has been created at the end of the bridge railing near the side walk

**Remarks**

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Bent 2, left side of the bridge a large void has been created at the end of the bridge railing near the side walk.



Bent 2, left side of the bridge a large void has been created at the end of the bridge railing near the side walk



Bent 2, left side of the bridge a large void has been created at the end of the bridge railing near the side walk



**Asset #07087(Routine)**

**SH 35-1 Log 2.41 over U.P.R.R.**

**Location: 0.15 M W JCT SH 35 & 183**

**Team Lead: Chris Doggett, Inspection Date: 04/14/2022**

## **Routine Maintenance**

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	



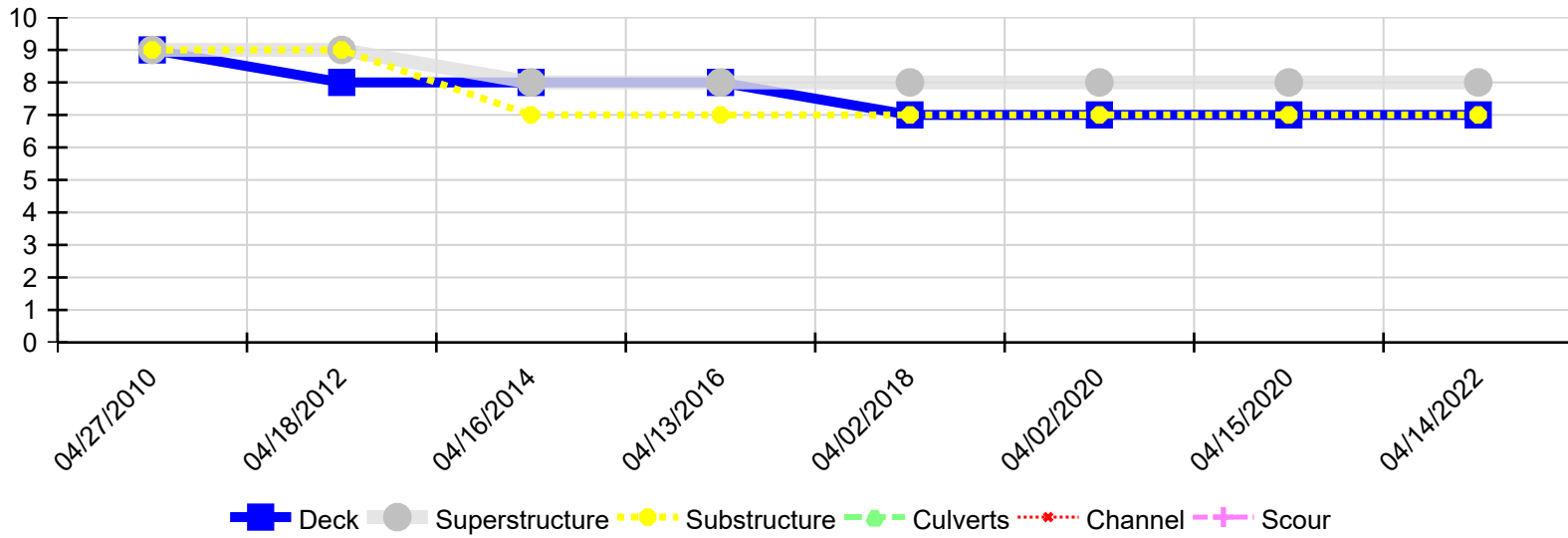
Asset #07087(Routine)

SH 35-1 Log 2.41 over U.P.R.R.

Location: 0.15 M W JCT SH 35 & 183

Team Lead: Chris Doggett, Inspection Date: 04/14/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/14/2022	7	8	7	N	N	N
04/15/2020	7	8	7	N	N	N
04/02/2020	7	8	7	N	N	N
04/02/2018	7	8	7	N	N	N
04/13/2016	8	8	7	N	N	N
04/16/2014	8	8	7	N	N	N
04/18/2012	8	9	9	N	N	N
04/27/2010	9	9	9	N	N	N