



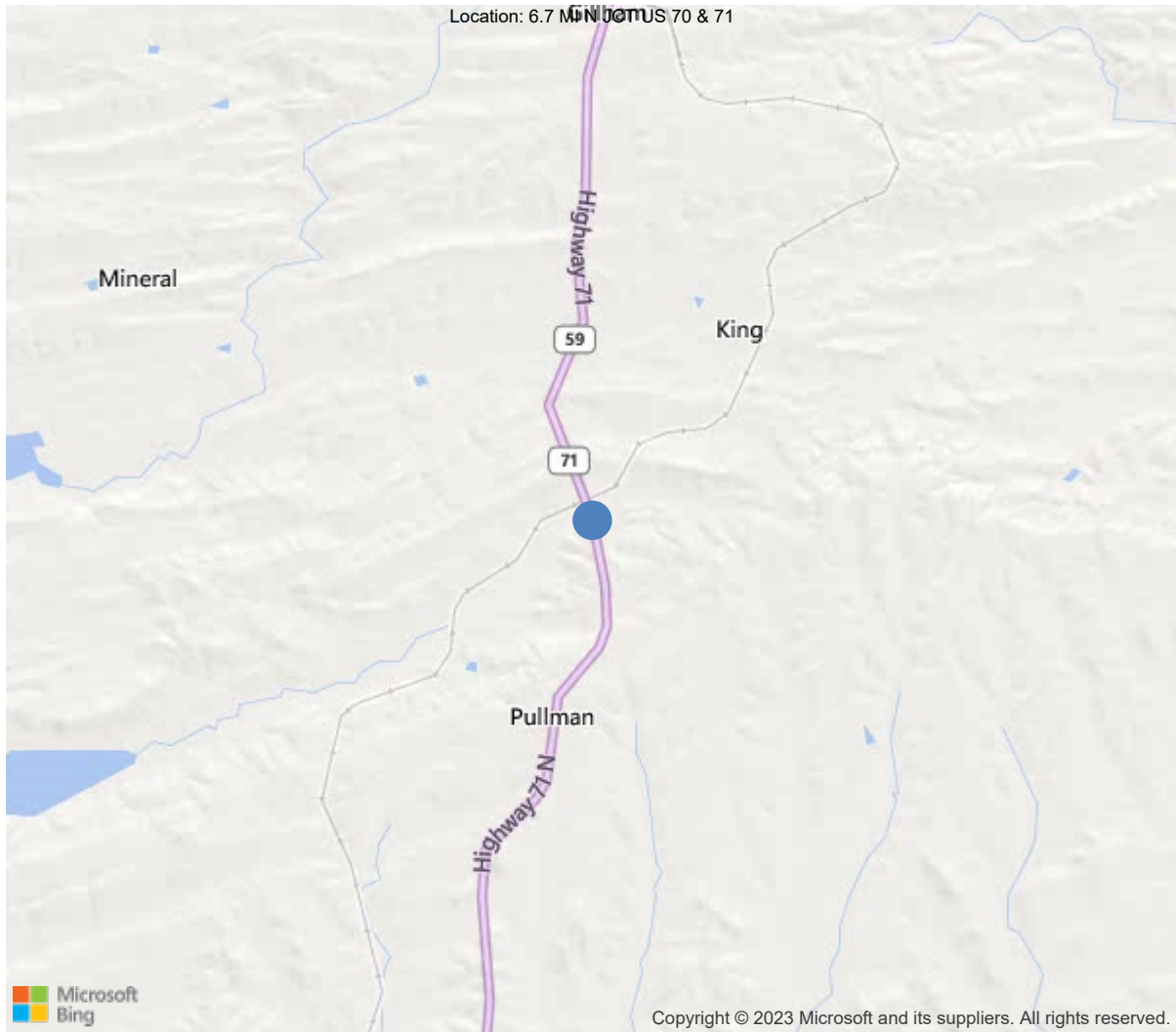
Latitude:34.12872, Longitude:-94.31303

Route:71 Section:07 Log:6.08

Arnold Road ID:66x71x7xA, Arnold Log mile:6.065

District 03, 133 - Sevier County

Owner: 1 - State Highway Agency



34.12872, -94.31303



Asset #06620(Routine)

US 71 SEC. 07-6.08 over K .C. R/R

Location: 6.7 MI N JCT US 70 & 71

Team Lead: Charlie Rogers, Inspection Date: 09/13/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06620
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	133 - Sevier County
(4) Place Code	0
(6) Features Intersected	K .C. R/R
(7) Facility Carried	US 71 SEC. 07-6.08
(9) Location	6.7 MI N JCT US 70 & 71
(11) Mile Point	6.08 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000071070
(16) Latitude	34.12872
(17) Longitude	-94.31303
(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	6
(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	1998
(106) Year Reconstructed	0
(42) Type of Service	17
On	1 - Highway
Under	7 - Railroad-waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	4800
(30) Year of ADT	2018
(109) Truck ADT	22 %
(19) Bypass, Detour Length	52 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	132 ft
(49) Structure Length	774 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40.7 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	24.17 ft
Ref:	
(55) Min Lat Underclear RT	51.5 ft
Ref:	
(56) Min Lat Underclear LT	80.3 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(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	1
(26) Functional Class	2 - Rural Principal Arterial -
(100) Defense Highway	2 - The inventory route is on
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	1 - The inventory route is par
(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	8
(61) Channel & Channel Protection	8
(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	51
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	31
(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	9
(72) Approach Roadway Alignment	8
(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	8 - Bridge foundations determined t
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	5848
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/13/2021		
(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.			





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**General Observation (False)**

09/21/2017...AL, SS, DECK, DEF. PHOTOS TAKEN. LITTLE OR NO CHANGE IN CONDITION....9-18-2019  
AL,SS,DECK AND UNDER DECK PHOTOS TAKEN PER THIS INSPECTION ...9/13/2021...AL, Elevation, Deck, Def  
photos taken...

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**58 - Deck (7)**

Wearing Surface: Sealable cracks various locations...9/13/2021...Deck cracking in all spans, some spalling on parapet  
walls...

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**59 - Superstructure (8)**

Paint: weathering steel

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**60 - Substructure (8)**

Other: Bearings - 8 Very Good  
Slope Protection: Rip rap. Photo attached  
Breastwall: Abutment caps

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**A-46 - Asset Files**

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Asset #06620(Routine)

US 71 SEC. 07-6.08 over K .C. R/R

Location: 6.7 MI N JCT US 70 & 71

Team Lead: Charlie Rogers, Inspection Date: 09/13/2021

## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	33127	25706	7421	0	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	200	0	200	0	0
1130	Cracking (RC and Other)	SF	7220	0	7220	0	0
(12) 1080- pop out in deck span 2 north bound lane							
1130- cond 2 moderate unsealed cracking in deck various locations							

### 58 - Deck (7)

Comment: Wearing Surface: Sealable cracks various locations...9/13/2021...Deck cracking in all spans, some spalling on parapet walls...



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## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	4632	4632	0	0	0
515	Steel Protective Coating	SF	28255	28255	0	0	0

### 59 - Superstructure (8)

Comment: Paint: weathering steel





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## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
210	Reinforced Concrete Pier Wall	LF	60	60	0	0	0
215	Reinforced Concrete Abutment	LF	128	128	0	0	0
234	Reinforced Concrete Pier Cap	LF	210	210	0	0	0

### 60 - Substructure (8)

Comment: Other: Bearings - 8 Very Good

Slope Protection: Rip rap. Photo attached

Breastwall: Abutment caps



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## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation 9/2021



Bent 1 abutment



Bent 2



Weathering steel beams





Weathering steel beams



Stay in place forms



Underside of deck typical all spans



Deck 9/2021





Alignment 9/2021



SS



Deck photo Span #1



Bearings





Under photo



Vines on bents #2 and #5 and #6



Spall Span #2 Parapet rail



AI





Efflorescence in both overhangs

**Maintenance Needs**

**Date Reported:** 09/29/2015  
**Priority:** (Inactive) (Inactive) G - General/ Preventive maintenance  
**Type of Work:** Repair (General)  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

Small pop out in deck north bound lane span 2

**Remarks**

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Pop out in deck span 2 north bound lane

**Date Reported:** 09/29/2015  
**Priority:** (Inactive) (Inactive) G - General/ Preventive maintenance  
**Type of Work:** Repair (General)  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

Spall in parapet rail span 2 right and left side

**Remarks**

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Parapet rail spall span 2 right side





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**Location: 6.7 MI N JCT US 70 & 71**

**Team Lead: Charlie Rogers, Inspection Date: 09/13/2021**

## **Routine Maintenance**

Check Box Maintenance Items

<b>Type of Maintenance</b>	<b>Is recommended?</b>
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	



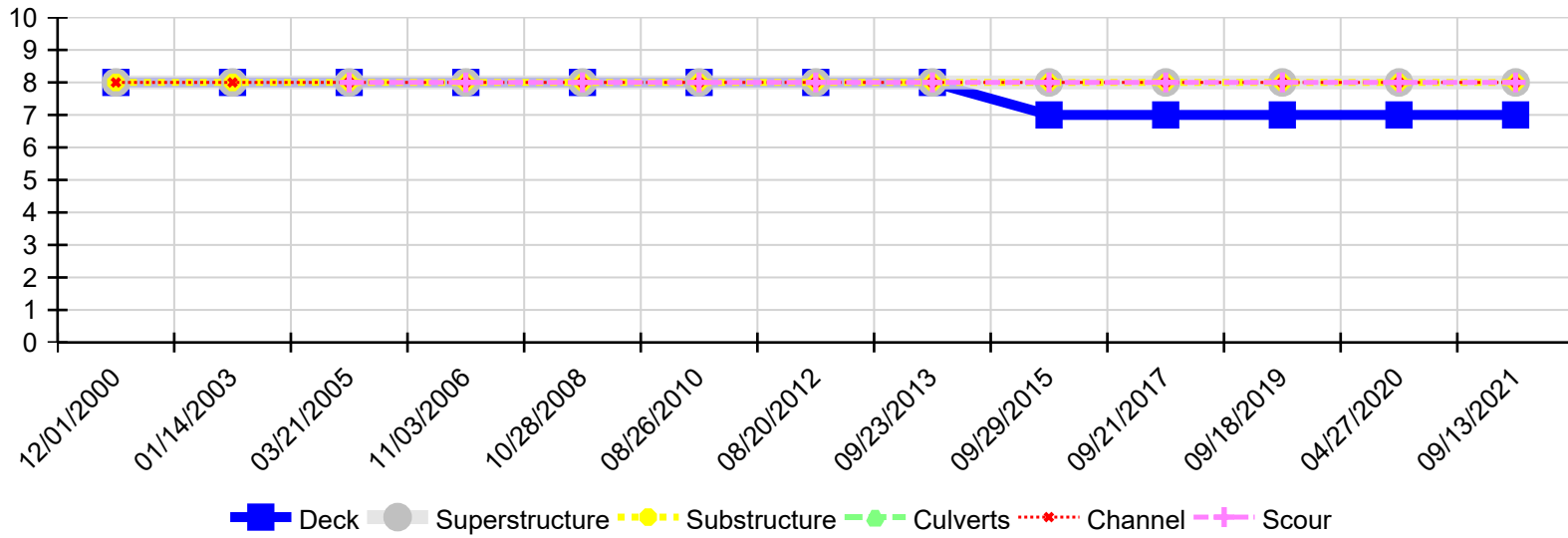
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/13/2021	7	8	8	N	8	8
04/27/2020	7	8	8	N	8	8
09/18/2019	7	8	8	N	8	8
09/21/2017	7	8	8	N	8	8
09/29/2015	7	8	8	N	8	8
09/23/2013	8	8	8	N	8	8
08/20/2012	8	8	8	N	8	8
08/26/2010	8	8	8	N	8	8
10/28/2008	8	8	8	N	8	8
11/03/2006	8	8	8	N	8	8
03/21/2005	8	8	8	N	8	8
01/14/2003	8	8	8	N	8	N
12/01/2000	8	8	8	N	8	N