



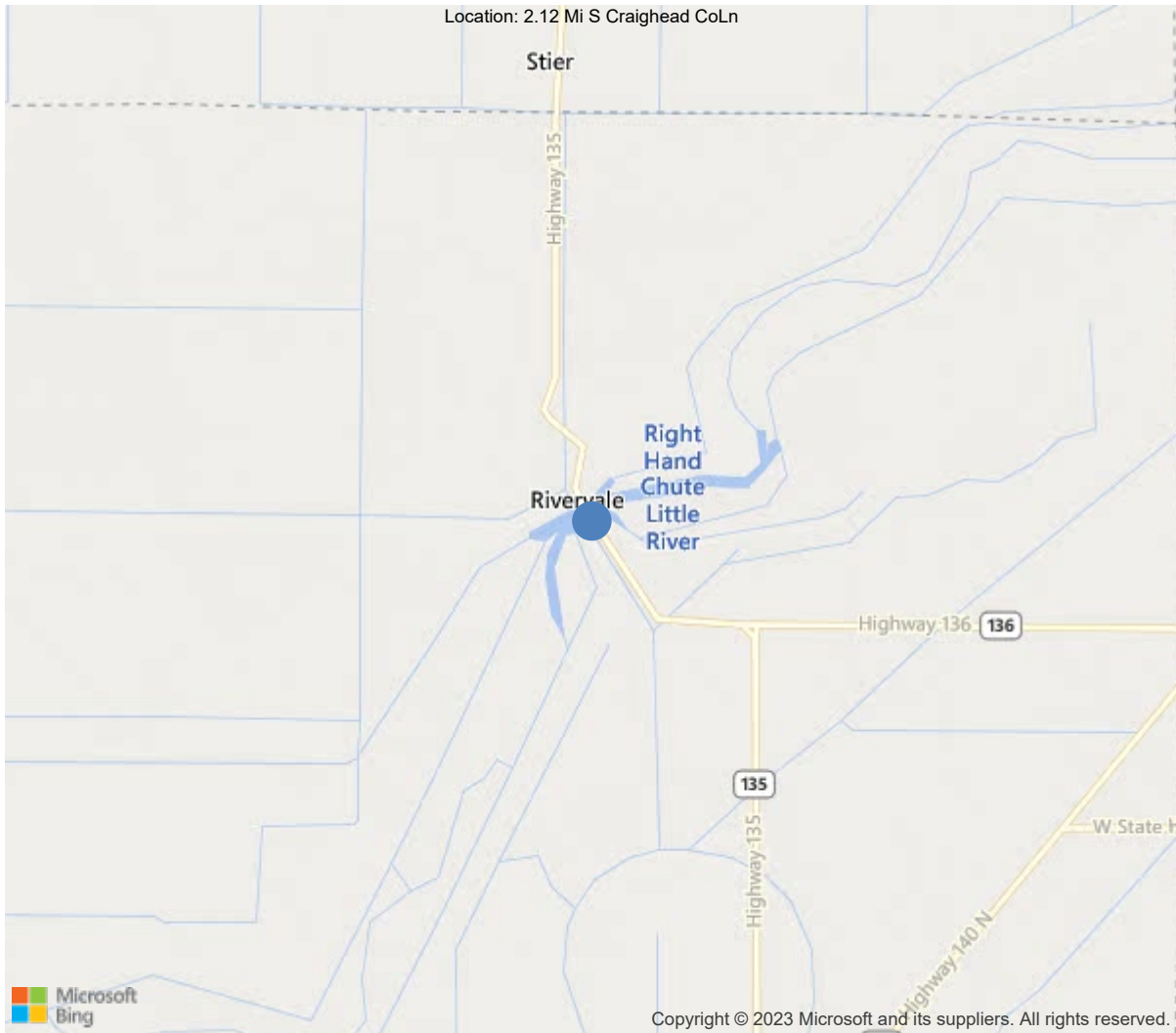
Latitude:35.67154, Longitude:-90.33788

Route:135 Section:01 Log:15.09

Arnold Road ID:56x135x1xA, Arnold Log mile:15.082

District 10, 111 - Poinsett County

Owner: 1 - State Highway Agency



35.67154, -90.33788





Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02474
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	111 - Poinsett County
(4) Place Code	0
(6) Features Intersected	Right Chute Little River
(7) Facility Carried	SH 135-01-LM 15.09
(9) Location	2.12 Mi S Craighead CoLn
(11) Mile Point	15.09 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000135010
(16) Latitude	35.67154
(17) Longitude	-90.33788
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3 - Steel
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	15
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1954
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	1500
(30) Year of ADT	2018
(109) Truck ADT	8 %
(19) Bypass, Detour Length	31 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	44 ft
(49) Structure Length	662 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	28.7 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	26.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 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	0
(26) Functional Class	6 - Rural Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(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	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	6
(59) Superstructure	4
(60) Substructure	4
(61) Channel & Channel Protection	5
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	38
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	23
(70) Bridge Posting	3 - 10.0 - 19.9 % below
(41) Structure Open/Posted/Closed	P - Posted for load (may include
APPRAISAL	
(67) Structural Evaluation	4
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	5 - Bridge foundations determined to
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	1700
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date	11/01/2022		
(91) Frequency	12		
(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.			

**58 - Deck** (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Inspected one month late due to snooper breakdown & weather issues.

Checked with snooper

Bridge is posted at 35 Tons. Both signs are in place

Bridge rail has a few broken posts:

Span 1 Left side

Span 5 Left side

Span 9 Right side

Span 15 Left side

Deck has been chip sealed in the past, but most of seal is gone.

Deck has several unsealed transverse cracks.

Gutters have several spalled and delaminated areas with some exposed rebar, along with several patches in poor condition.

Soffit has several transverse cracks with light efflorescence.

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**59 - Superstructure** (4 - POOR CONDITION - advanced section loss, deterioration, spalling or scour.)

Ends of girders have areas of heavy section loss especially at web below haunch

Girder 5 on majority of spans has heavy section loss to web & bottom flange especially between utility connection and under drain openings.

Several outside girders at haunch and web area has some out of plane bending due to pack rust, especially girder 5.

Span 1 Bent 1 Girder 1 has been repaired with a 8' bolted & welded splice.

Span 1 Bent 1 Girders 2 – 4 have been T spliced in the past.

Span 1 Bent 1 Girder 2 has steel plates welded to web at haunch.

Span 1 Bent 1 Girder 3 has a 6" x 1/2" hole in web below haunch.

Span 1 Bent 1 Girder 4 has heavy section loss to web below haunch & a 1" diam. hole in web near haunch.

Span 1 Bent 1 Girder 5 has 3' of heavy section loss with a 3" x 3" hole in web below haunch and crushing.

Span 1 Bent 2 Girder 1 has a 5" x 1" hole in web below haunch with some out of plane bending.

Span 1 Bent 2 Girder 2 has a 6" x 1" hole in web below haunch.

Span 1 Bent 2 Girder 3 has a 2.5" x up to 1" hole in web below haunch.

Span 1 Bent 2 Girder 4 has a 4" x 1" hole in web below haunch. Bottom of web has a 30" x up to 6" area of heavy section loss with a 9" x 2" hole with a 2". split in web 3" from end of girder. Bottom flange has heavy section loss.

Span 2 bent 2 Girder 1 has a 5" x 3" hole in web below haunch bigger in size with some out of plane bending on end.

Span 2 Bent 2 Girder 2 has a 4" x 1" hole in web below haunch and cracked extends to end of web.

Span 2 Bent 2 Girder 3 has a 8" x 2" hole in web below haunch and cracked extends to end of web. Bottom of web has a 3' x up to 5" area of heavy section loss with a 2" diameter hole 12" from end of girder.

Span 2 Bent 2 Girder 4 has a 6" x 1" hole in web below haunch. Bottom of web has a 2' x 4" area of heavy section loss with a 4" x 1" hole 6" from end of girder.

Span 2 Bent 3 Girder 1 has heavy section loss to web below haunch.

Span 2 Bent 3 Girder 2 has a 8 in x 1 in hole in web below haunch.

Span 2 Bent 3 Girder 3 has a 6 in x 1 in hole in web below haunch with a 6' area and 2" x 1 1/2" diameter hole in web. of heavy section loss along bottom of web.

Span 2 Bent 3 Girder 4 has an 8" x 2" hole in web below haunch. Bottom of web has a 5" x 1" hole 5" from end of girder.

Span 2 bent 3 Girder 5 has a 16' area of heavy section loss along bottom of web, 4' back from bent 3.

Span 3 Bent 3 Girder 1 has heavy section loss to web below haunch with a 6" x 3" hole in web near haunch.

Span 3 Bent 3 Girder 2 has a 9"x 1' hole in web below haunch.

Span 3 Bent 3 Girder 3 has a 3" x 1" hole in web below haunch. Bottom of web has 4' of heavy section loss.

Span 3 Bent 3 Girder 4 has a 10" x 2" hole in web below haunch.

Span 3 Bent 3 Girder 5 has a 5" x 2" hole in web below haunch.

Span 3 Bent 4 Girder 1 has heavy section loss to web below haunch.

Span 3 Bent 4 Girder 2 has a 2" x 1" hole in web below haunch.

Span 3 Bent 4 Girder 3 has heavy section loss to web below haunch.

Span 3 Bent 4 Girder 4 has heavy section loss to web below haunch with a 2" x 1/2" diameter hole.

Span 3 Bent 4 Girder 5 has heavy section loss to web below haunch.

Span 4 Bent 4 Girder 1 has heavy section loss to web below haunch with 3" x 1" hole.

Span 4 Bent 4 Girder 2 has a 10" x up to 4" hole in web below haunch.

Span 4 Bent 4 Girder 3 has an 8" x 1" hole in web below haunch.

Span 4 Bent 4 Girder 4 has a 6" x 1" hole in web below haunch.

Span 4 Bent 4 Girder 5 has a 7" diameter area of section loss with a 4" x 6" hole in web below haunch, web appears to be



buckling due to pack rust at haunch.

Span 4 Bent 5 Girder 1 has heavy section loss to web below haunch.

Span 4 Bent 5 Girder 2 has a 5" x 1" hole in web below haunch with crack on out to end.

Span 4 Bent 5 Girder 3 has a 5" x 1" hole in web below haunch.

Span 4 Bent 5 Girder 4 has heavy section loss to web below haunch.

Span 4 Bent 5 Girder 5 has a 2" x 1/2" hole at haunch.

Span 5 Bent 5 Girder 1 has heavy section loss to web below haunch.

Span 5 Bent 5 Girder 2 has a 5" x 1" hole in web below haunch with crack on out to end..

Span 5 Bent 5 Girder 3 has a 6" x 1" hole in web below haunch.

Span 5 Bent 5 Girder 4 has a 5" x 1" hole in web below haunch.

Span 5 Bent 5 Girder 5 has heavy section loss to web below haunch.

Span 5 bent 5 Girder 5 has a 24" x 3" hole in bottom of web 38" from end of girder. A

Span 5 Bent 6 Girder 1 has heavy section loss to web & a 2" x 1/2" hole below haunch.

Span 5 Bent 6 Girder 2 has heavy section loss to web & a 2" x 1/2" hole below haunch.

Span 5 Bent 6 Girder 3 has heavy section loss to web & a 1" hole below haunch.

Span 5 Bent 6 Girder 4 has a 1/2" diameter hole in web below haunch.

Span 5 Bent 6 Girder 5 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 1 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 2 has a 3" x 1/2" hole in web below haunch.

Span 6 Bent 6 Girder 3 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 4 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 5 has heavy section loss to web below haunch.

Span 6 Bent 7 Girder 1 has heavy section loss to web below haunch.

Span 6 Bent 7 Girder 2 has a 2" x 1" hole in web below haunch.

Span 6 Bent 7 Girder 3 has a 7" x 1" hole in web below haunch.

Span 6 Bent 7 Girder 4 has heavy section loss in web & a 5" x 1" diam. hole below haunch.

Span 6 Bent 7 Girder 5 has heavy section loss in web below haunch with 2" x 1" hole below haunch.

Span 7 Bent 7 Girder 1 has 7" x up to 4" hole in web below haunch with some out of plane bending. See 2019 photo.

Span 7 Bent 7 Girder 2 has a 3" x 1" hole in web below haunch.

Span 7 Bent 7 Girder 3 has a 6" x 1" hole in web below haunch with crack on out to end.

Span 7 Bent 7 Girder 4 has a 4" x 1" hole in web below haunch.

Span 7 Bent 7 Girder 5 has heavy section loss in web with a 4" area with several holes below haunch with a 5" x 1 1/2" hole.

Span 7 Bent 8 Girder 1 has a 1" diameter hole in web below haunch.

Span 7 Bent 8 Girder 2 has a 7" x 1" hole in web below haunch.

Span 7 Bent 8 Girder 3 has a 6" x 1" hole in web below haunch.

Span 7 Bent 8 Girder 4 has a 8" x 1" hole in web below haunch.

Span 7 Bent 8 Girder 5 has a 24" x 8" area of heavy section loss along bottom of web with multiple holes rusted through 53" back from Bent 8. Outside right bottom flange has heavy section loss. A

Span 8 Bent 8 Girder 1 has a 9" x 1" hole in web below haunch. See 2019 photo.

Span 8 Bent 8 Girder 2 has a 8" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 3 has a 6" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 4 has a 6" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 5 has a 2" x 3" diameter hole in web below haunch.

Span 8 Bent 9 Girder 1 has heavy section loss in web below haunch.

Span 8 Bent 9 Girder 2 has a 5" x 1" hole in web below haunch.

Span 8 Bent 9 Girder 3 has a 9" x 1" hole in web below haunch.

Span 8 Bent 9 Girder 4 has a 6" x 1" hole in web below haunch.

Span 8 Bent 9 Girder 5 has heavy section loss in web below haunch.

Span 9 Bent 9 Girder 1 has heavy section loss in web below haunch.

Span 9 Bent 9 Girder 2 has a 5" x 1" hole in web below haunch.

Span 9 Bent 9 Girder 3 has a 2" x 1" hole in web below haunch.

Span 9 Bent 9 Girder 4 has a 4 1/2" x up to 3/4" hole in web below haunch.

Span 9 Bent 9 Girder 5 has heavy section loss in web below haunch 3" x 1" hole.

Span 9 Bent 10 Girder 1 has heavy section loss in web below haunch.

Span 9 Bent 10 Girder 2 has a 3" x 1/2" hole in web below haunch.

Span 9 Bent 10 Girder 3 has a 7" x 2" hole in web below haunch.

Span 9 Bent 10 Girder 4 has an 9in x 1in hole in web below haunch.

Span 9 Bent 10 Girder 5 has heavy section loss in web below haunch.

Span 10 Bent 10 Girder 1 has heavy section loss in web with a 2". hole below haunch.

Span 10 Bent 10 Girder 2 has a 4" x 1" hole in web below haunch.

Span 10 Bent 10 Girder 3 has a 2.5" x 1" hole in web below haunch.  
Span 10 Bent 10 Girder 4 has a 9" x 1" hole in web below haunch.  
Span 10 Bent 10 Girder 5 has heavy section loss in web below haunch.  
Span 10 Bent 11 Girder 1 has heavy section loss in web below haunch.  
Span 10 Bent 11 Girder 2 has a 4" x 2" hole in web below haunch.  
Span 10 Bent 11 Girder 3 has a 4" x 1" hole in web below haunch.  
Span 10 Bent 11 Girder 4 has a 2" x ½" hole in web below haunch.  
Span 10 Bent 11 Girder 5 has heavy section loss in web below haunch.  
Span 11 Bent 11 Girder 1 has heavy section loss in web below haunch.  
Span 11 Bent 11 Girder 2 has a 3" x 1" hole in web below haunch.  
Span 11 Bent 11 Girder 3 has a 7" x 1" hole in web below haunch.  
Span 11 Bent 11 Girder 4 has an 8" x 2" hole in web below haunch.  
Span 11 Bent 11 Girder 5 has heavy section loss in web below haunch with 1" x 2' hole.  
Span 11 Bent 12 Girder 1 has heavy section loss with 1/2" hole haunch.  
Span 11 Bent 12 Girder 2 has a 9" x 1" hole in web below haunch.  
Span 11 Bent 12 Girder 3 has a 6" x 1" hole in web below haunch.  
Span 11 Bent 12 Girder 4 has a 6" x 2" hole in web below haunch.  
Span 11 Bent 12 Girder 5 has heavy section loss in web below haunch.  
Span 12 Bent 12 Girder 1 has heavy section loss in web below haunch.  
Span 12 Bent 12 Girder 2 has a 3" x 1" hole in web below haunch.  
Span 12 Bent 12 girder 3 has a 2" x 1" hole in web at haunch.  
Span 12 Bent 12 Girder 4 has a 3" x 1" hole in web below haunch.  
Span 12 Bent 12 Girder 5 has a 7" x 6" area of heavy section loss with a 6" x 3" hole in web below haunch. Web has begun to crush due to pack rust. B  
Span 12 Bent 13 Girder 3 has a 5" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 2 has a 3" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 3 has a 3" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 4 has a 6" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 5 has heavy section loss in web below haunch.  
Span 13 Bent 14 Girder 2 has a 7.5" x 1" hole in web below haunch.  
Span 13 Bent 14 Girder 3 has a 4" x 1" hole in web below haunch and a 3" x 1" hole in bottom of web 6.5" from end, web is cracked 2". on span 13 end & 1" on span 14 end. A  
Span 13 Bent 14 Girder 4 has a 4" x 1" hole in bottom of web 5in from end with a 1" crack in web with 2" hole bottom flange.  
Span 13 Bent 14 Girder 5 has heavy section loss in web below haunch.  
Span 14 Bent 14 Girder 2 has a 4" x 1" hole in web below haunch.  
Span 14 Bent 14 Girder 3 has an 8" x up to 2" hole in web below haunch.  
Span 14 Bent 14 Girder 4 has a 3" x 1" hole in web below haunch.  
Span 14 Bent 15 Girders 1-5 have been repaired with plates welded to web at haunch.  
Span 14 Bent 15 Girder 2 has a 3.5' t-splice to bottom of girder.  
span 14 Bent 14 Girder 5 has 2" hole at haunch  
Span 15 Bent 15 Girder 1 has 3" x 1" hole at haunch.  
Span 15 Bent 15 Girder 3 has a 4" x 1" hole in web below haunch.  
Span 15 bent 16 girders 3 and 5 have 4'. along bottom flange of up to ¼" section loss.  
Span 15 Bent 16 Girder 1 has been repaired.  
Span 15 Bent 16 Girder 2 has been repaired.  
Span 15 Bent 16 Girder 4 has been T spliced in the past. Bottom of web has a 1" x 1/2" hole at the end of T-splice.  
Span 15 Bent 16 Girder 5 has a 2.5" diameter hole in web below haunch.  
Bearings have heavy pack rust and section loss.  
Span 3 Bent 4 Bearing 2 has 2 anchor bolts missing.  
Span 3 Bent 4 Bearing 5 has 1 anchor bolt missing.  
Span 3 Bents 4 and 5 Bearings 4 each have 1 anchor bolt missing.  
Span 7 Bent 8 Bearing 2 has 1 anchor bolt missing and moving under traffic.  
Span 7 Bent 8 Bearing 4 has 2 anchor bolts missing and moving under traffic.  
Span 8 Bent 9 Bearing 2 has 1 anchor bolt missing.  
Span 8 Bent 9 Bearing 4 has 2 anchor bolts missing.  
Span 9 Bent 10 Bearing 2 has 1 anchor bolt missing.  
Span 9 Bent 10 Bearing 4 has 2 anchor bolts missing.  
Span 10 Bent 10 Bearing 3 has 1 anchor bolt protruding out of cap 14in.  
Span 11 Bent 12 Bearing 4 has 2 anchor bolts missing.  
Span 13 Bent 14 Bearing 4 has 1 anchor bolt missing.





Span 15 Bent 16 Bearing 4 has 2 anchor bolts missing.  
Some Girders are floating and moving under traffic especially Girder 2 over several bents.

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**60 - Substructure (4 - POOR CONDITION - advanced section loss, deterioration, spalling or scour.)**

Several caps have debris buildup.  
Most caps have cracked, delaminated or spalled areas with exposed rebar.  
Bent 1 Cap has debris and asphalt buildup on cap.  
Bent 2 Cap has several spalls with exposed rebar on bottom of cap.  
Bent 3 Cap has some cracking and delaminated areas.  
Bent 3 Pile 5 has a 5 ft. cracked and delaminated area near top of pile.  
Bent 4 Piles 1, 2,3, and 5 have cracked and delaminated areas near tops of piles. Piles 1 and 2 have exposed rebar.  
Bent 5 Cap has a 3ft. x up to 8 in. deep spall under bearing 4 on back side of cap. Cap has spalls on ahead side under bearings 3 and 4. Bearing pads have 10% loss of bearing area.  
Bent 6 cap has a 1ft. spall with exposed rebar on right end.  
Bent 7 Cap has some cracking.  
Bent 8 Cap span 7 side has a 2ft. spall with rebar over pile 2 and some cracks with efflorescence.  
Bent 10 pile 1B span 10 side abrasion wear or delamination at WL, see photo.  
Bent 10 Cap has several spalls with exposed rebar along bottom edges of cap.  
Bent 11 Cap has several spalls with exposed rebar along bottom edges of cap.  
Bent 12 Cap has several spalls with exposed rebar along bottom edges of cap with spalls & exposed rebar on face of cap.  
Bent 13 Cap has vertical cracks, delaminated areas, and spalls with exposed rebar.  
Bent14 Cap has 11ft. of horizontal cracks and delaminated areas along bottom edge of cap.  
Bent 14 Pile 5 has 3ft. cracks and delaminated area near top of pile.  
Bent 15 Cap has 4ft. long horizontal crack to face of cap with areas of cracking and delamination.

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**61 - Channel/Channel Protection (5 - Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and brush restrict the channel.)**

Channel realignment due to drift has caused heavy erosion at bent 8. District forces have placed riprap at bents 13, 14 & 15 and are in the process of placing riprap at bents 7 & 8 (01-13-2021). Heavy erosion and loss of embankment has occurred at these locations.  
Channel has heavy drift buildup at bents 8 – 13 extending up to 25 ft. upstream.  
See channel profile.

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**A-23 - Code 5 (Beginning) (35)**

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**A-46 - Asset Files**

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Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	16720	13654	0	3066	0
1080	Delamination/Spall/Patched Area	SF	1320	0	0	1320	0
1090	Exposed Rebar	SF	36	0	0	36	0
1120	Efflorescence/Rust Staining	SF	270	0	0	270	0
1130	Cracking (RC and Other)	SF	1440	0	0	1440	0
510	Wearing Surfaces	SF	15840	2348	1608	9244	2640
3210	Delam/Spall/Patched Area/Pothole	SF	1324	0	0	1324	0
3220	Crack (Wearing Surface)	SF	1608	0	1608	0	0
3230	Effectiveness (Wearing Surface)	SF	10560	0	0	7920	2640
107	Steel Open Girder/Beam	LF	3300	1213	1236	795	56
1000	Corrosion	LF	2087	0	1236	795	56
515	Steel Protective Coating	SF	25318	0	13845	6677	4796
3440	Effectiveness (Steel Protective Coatings)	LF	25318	0	13845	6677	4796
215	Reinforced Concrete Abutment	LF	66	66	0	0	0
227	Reinforced Concrete Pile	EA	74	51	0	18	5
1080	Delamination/Spall/Patched Area	EA	6	0	0	6	0
1090	Exposed Rebar	EA	2	0	0	2	0
6000	Scour	EA	15	0	0	10	5
234	Reinforced Concrete Pier Cap	LF	345	228	19	98	0
1080	Delamination/Spall/Patched Area	LF	29	0	19	10	0
1090	Exposed Rebar	LF	28	0	0	28	0
1120	Efflorescence/Rust Staining	LF	4	0	0	4	0
1130	Cracking (RC and Other)	LF	56	0	0	56	0
304	Open Expansion Joint	LF	384	384	0	0	0
311	Movable Bearing	EA	75	0	0	75	0
1000	Corrosion	EA	74	0	0	74	0
2240	Loss of Bearing Area	EA	1	0	0	1	0
313	Fixed Bearing	EA	75	0	0	75	0
1000	Corrosion	EA	73	0	0	73	0
2240	Loss of Bearing Area	EA	2	0	0	2	0





Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
330	Metal Bridge Railing	LF	1324	44	1276	4	0
1000	Corrosion	LF	1276	0	1276	0	0
7000	Damage	LF	4	0	0	4	0
515	Steel Protective Coating	SF	4502	0	0	4502	0
3440	Effectiveness (Steel Protective Coatings)	LF	4502	0	0	4502	0



## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	16720	13654	0	3066	0
1080	Delamination/Spall/Patched Area	SF	1320	0	0	1320	0
1090	Exposed Rebar	SF	36	0	0	36	0
1120	Efflorescence/Rust Staining	SF	270	0	0	270	0
1130	Cracking (RC and Other)	SF	1440	0	0	1440	0
510	Wearing Surfaces	SF	15840	2348	1608	9244	2640
3210	Delam/Spall/Patched Area/Pothole	SF	1324	0	0	1324	0
3220	Crack (Wearing Surface)	SF	1608	0	1608	0	0
3230	Effectiveness (Wearing Surface)	SF	10560	0	0	7920	2640

### 58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Comment: Inspected one month late due to snooper breakdown & weather issues.

Checked with snooper

Bridge is posted at 35 Tons. Both signs are in place

Bridge rail has a few broken posts:

Span 1 Left side

Span 5 Left side

Span 9 Right side

Span 15 Left side

Deck has been chip sealed in the past, but most of seal is gone.

Deck has several unsealed transverse cracks.

Gutters have several spalled and delaminated areas with some exposed rebar, along with several patches in poor condition.

Soffit has several transverse cracks with light efflorescence.



## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	3300	1213	1236	795	56
1000	Corrosion	LF	2087	0	1236	795	56
515	Steel Protective Coating	SF	25318	0	13845	6677	4796
3440	Effectiveness (Steel Protective Coatings)	LF	25318	0	13845	6677	4796

### 59 - Superstructure (4 - POOR CONDITION - advanced section loss, deterioration, spalling or scour.)

Comment: Ends of girders have areas of heavy section loss especially at web below haunch

Girder 5 on majority of spans has heavy section loss to web & bottom flange especially between utility connection and under drain openings.

Several outside girders at haunch and web area has some out of plane bending due to pack rust, especially girder 5.

Span 1 Bent 1 Girder 1 has been repaired with a 8' bolted & welded splice.

Span 1 Bent 1 Girders 2 – 4 have been T spliced in the past.

Span 1 Bent 1 Girder 2 has steel plates welded to web at haunch.

Span 1 Bent 1 Girder 3 has a 6" x ½" hole in web below haunch.

Span 1 Bent 1 Girder 4 has heavy section loss to web below haunch & a 1" diam. hole in web near haunch.

Span 1 Bent 1 Girder 5 has 3' of heavy section loss with a 3" x 3" hole in web below haunch and crushing.

Span 1 Bent 2 Girder 1 has a 5" x 1" hole in web below haunch with some out of plane bending.

Span 1 Bent 2 Girder 2 has a 6" x 1" hole in web below haunch.

Span 1 Bent 2 Girder 3 has a 2.5" x up to 1" hole in web below haunch.

Span 1 Bent 2 Girder 4 has a 4" x 1" hole in web below haunch. Bottom of web has a 30" x up to 6" area of heavy section loss with a 9" x 2" hole with a 2" split in web 3" from end of girder. Bottom flange has heavy section loss.

Span 2 bent 2 Girder 1 has a 5" x 3" hole in web below haunch bigger in size with some out of plane bending on end.

Span 2 Bent 2 Girder 2 has a 4" x 1" hole in web below haunch and cracked extends to end of web.

Span 2 Bent 2 Girder 3 has a 8" x 2" hole in web below haunch and cracked extends to end of web. Bottom of web has a 3' x up to 5" area of heavy section loss with a 2" diameter hole 12" from end of girder.

Span 2 Bent 2 Girder 4 has a 6" x 1" hole in web below haunch. Bottom of web has a 2' x 4" area of heavy section loss with a 4" x 1" hole 6" from end of girder.

Span 2 Bent 3 Girder 1 has heavy section loss to web below haunch.

Span 2 Bent 3 Girder 2 has a 8 in x 1 in hole in web below haunch.

Span 2 Bent 3 Girder 3 has a 6 in x 1 in hole in web below haunch with a 6' area and 2" x 1 1/2" diameter hole in web. of heavy section loss along bottom of web.

Span 2 Bent 3 Girder 4 has an 8" x 2" hole in web below haunch. Bottom of web has a 5" x 1" hole 5" from end of girder.

Span 2 bent 3 Girder 5 has a 16' area of heavy section loss along bottom of web, 4' back from bent 3.

Span 3 Bent 3 Girder 1 has heavy section loss to web below haunch with a 6" x 3" hole in web near haunch.

Span 3 Bent 3 Girder 2 has a 9"x 1' hole in web below haunch.

Span 3 Bent 3 Girder 3 has a 3" x 1" hole in web below haunch. Bottom of web has 4' of heavy section loss.

Span 3 Bent 3 Girder 4 has a 10" x 2" hole in web below haunch.

Span 3 Bent 3 Girder 5 has a 5" x 2" hole in web below haunch.

Span 3 Bent 4 Girder 1 has heavy section loss to web below haunch.

Span 3 Bent 4 Girder 2 has a 2" x 1" hole in web below haunch.

Span 3 Bent 4 Girder 3 has heavy section loss to web below haunch.

Span 3 Bent 4 Girder 4 has heavy section loss to web below haunch with a 2" x ½" diameter hole.

Span 3 Bent 4 Girder 5 has heavy section loss to web below haunch.

Span 4 Bent 4 Girder 1 has heavy section loss to web below haunch with 3" x 1" hole.

Span 4 Bent 4 Girder 2 has a 10" x up to 4" hole in web below haunch.

Span 4 Bent 4 Girder 3 has an 8" x 1" hole in web below haunch.

Span 4 Bent 4 Girder 4 has a 6" x 1" hole in web below haunch.

Span 4 Bent 4 Girder 5 has a 7" diameter area of section loss with a 4" x 6" hole in web below haunch, web appears to be

buckling due to pack rust at haunch.

Span 4 Bent 5 Girder 1 has heavy section loss to web below haunch.

Span 4 Bent 5 Girder 2 has a 5" x 1" hole in web below haunch with crack on out to end.

Span 4 Bent 5 Girder 3 has a 5" x 1" hole in web below haunch.

Span 4 Bent 5 Girder 4 has heavy section loss to web below haunch.

Span 4 Bent 5 Girder 5 has a 2" x 1/2" hole at haunch.

Span 5 Bent 5 Girder 1 has heavy section loss to web below haunch.

Span 5 Bent 5 Girder 2 has a 5" x 1" hole in web below haunch with crack on out to end..

Span 5 Bent 5 Girder 3 has a 6" x 1" hole in web below haunch.

Span 5 Bent 5 Girder 4 has a 5" x 1" hole in web below haunch.

Span 5 Bent 5 Girder 5 has heavy section loss to web below haunch.

Span 5 bent 5 Girder 5 has a 24" x 3" hole in bottom of web 38" from end of girder. A

Span 5 Bent 6 Girder 1 has heavy section loss to web & a 2" x 1/2" hole below haunch.

Span 5 Bent 6 Girder 2 has heavy section loss to web & a 2" x 1/2" hole below haunch.

Span 5 Bent 6 Girder 3 has heavy section loss to web & a 1" hole below haunch.

Span 5 Bent 6 Girder 4 has a 1/2" diameter hole in web below haunch.

Span 5 Bent 6 Girder 5 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 1 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 2 has a 3" x 1/2" hole in web below haunch.

Span 6 Bent 6 Girder 3 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 4 has heavy section loss to web below haunch.

Span 6 Bent 6 Girder 5 has heavy section loss to web below haunch.

Span 6 Bent 7 Girder 1 has heavy section loss to web below haunch.

Span 6 Bent 7 Girder 2 has a 2" x 1" hole in web below haunch.

Span 6 Bent 7 Girder 3 has a 7" x 1" hole in web below haunch.

Span 6 Bent 7 Girder 4 has heavy section loss in web & a 5" x 1" diam. hole below haunch.

Span 6 Bent 7 Girder 5 has heavy section loss in web below haunch with 2" x 1" hole below haunch.

Span 7 Bent 7 Girder 1 has 7" x up to 4" hole in web below haunch with some out of plane bending. See 2019 photo.

Span 7 Bent 7 Girder 2 has a 3" x 1" hole in web below haunch.

Span 7 Bent 7 Girder 3 has a 6" x 1" hole in web below haunch with crack on out to end.

Span 7 Bent 7 Girder 4 has a 4" x 1" hole in web below haunch.

Span 7 Bent 7 Girder 5 has heavy section loss in web with a 4" area with several holes below haunch with a 5" x 1 1/2" hole.

Span 7 Bent 8 Girder 1 has a 1" diameter hole in web below haunch.

Span 7 Bent 8 Girder 2 has a 7" x 1" hole in web below haunch.

Span 7 Bent 8 Girder 3 has a 6" x 1" hole in web below haunch.

Span 7 Bent 8 Girder 4 has a 8" x 1" hole in web below haunch.

Span 7 Bent 8 Girder 5 has a 24" x 8" area of heavy section loss along bottom of web with multiple holes rusted through 53" back from Bent 8. Outside right bottom flange has heavy section loss. A

Span 8 Bent 8 Girder 1 has a 9" x 1" hole in web below haunch. See 2019 photo.

Span 8 Bent 8 Girder 2 has a 8" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 3 has a 6" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 4 has a 6" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 5 has a 2" x 3" diameter hole in web below haunch.

Span 8 Bent 9 Girder 1 has heavy section loss in web below haunch.

Span 8 Bent 9 Girder 2 has a 5" x 1" hole in web below haunch.

Span 8 Bent 9 Girder 3 has a 9" x 1" hole in web below haunch.

Span 8 Bent 9 Girder 4 has a 6" x 1" hole in web below haunch.

Span 8 Bent 9 Girder 5 has heavy section loss in web below haunch.

Span 9 Bent 9 Girder 1 has heavy section loss in web below haunch.

Span 9 Bent 9 Girder 2 has a 5" x 1" hole in web below haunch.

Span 9 Bent 9 Girder 3 has a 2" x 1" hole in web below haunch.

Span 9 Bent 9 Girder 4 has a 4 1/2" x up to 3/4" hole in web below haunch.

Span 9 Bent 9 Girder 5 has heavy section loss in web below haunch 3" x 1" hole.

Span 9 Bent 10 Girder 1 has heavy section loss in web below haunch.

Span 9 Bent 10 Girder 2 has a 3" x 1/2" hole in web below haunch.

Span 9 Bent 10 Girder 3 has a 7" x 2" hole in web below haunch.

Span 9 Bent 10 Girder 4 has an 9in x 1in hole in web below haunch.

Span 9 Bent 10 Girder 5 has heavy section loss in web below haunch.



Span 10 Bent 10 Girder 1 has heavy section loss in web with a 2" hole below haunch.  
Span 10 Bent 10 Girder 2 has a 4" x 1" hole in web below haunch.  
Span 10 Bent 10 Girder 3 has a 2.5" x 1" hole in web below haunch.  
Span 10 Bent 10 Girder 4 has a 9" x 1" hole in web below haunch.  
Span 10 Bent 10 Girder 5 has heavy section loss in web below haunch.  
Span 10 Bent 11 Girder 1 has heavy section loss in web below haunch.  
Span 10 Bent 11 Girder 2 has a 4" x 2" hole in web below haunch.  
Span 10 Bent 11 Girder 3 has a 4" x 1" hole in web below haunch.  
Span 10 Bent 11 Girder 4 has a 2" x 1/2" hole in web below haunch.  
Span 10 Bent 11 Girder 5 has heavy section loss in web below haunch.  
Span 11 Bent 11 Girder 1 has heavy section loss in web below haunch.  
Span 11 Bent 11 Girder 2 has a 3" x 1" hole in web below haunch.  
Span 11 Bent 11 Girder 3 has a 7" x 1" hole in web below haunch.  
Span 11 Bent 11 Girder 4 has an 8" x 2" hole in web below haunch.  
Span 11 Bent 11 Girder 5 has heavy section loss in web below haunch with 1" x 2' hole.  
Span 11 Bent 12 Girder 1 has heavy section loss with 1/2" hole haunch.  
Span 11 Bent 12 Girder 2 has a 9" x 1" hole in web below haunch.  
Span 11 Bent 12 Girder 3 has a 6" x 1" hole in web below haunch.  
Span 11 Bent 12 Girder 4 has a 6" x 2" hole in web below haunch.  
Span 11 Bent 12 Girder 5 has heavy section loss in web below haunch.  
Span 12 Bent 12 Girder 1 has heavy section loss in web below haunch.  
Span 12 Bent 12 Girder 2 has a 3" x 1" hole in web below haunch.  
Span 12 bent 12 girder 3 has a 2" x 1" hole in web at haunch.  
Span 12 Bent 12 Girder 4 has a 3" x 1" hole in web below haunch.  
Span 12 Bent 12 Girder 5 has a 7" x 6" area of heavy section loss with a 6" x 3" hole in web below haunch. Web has begun to crush due to pack rust. B  
Span 12 Bent 13 Girder 3 has a 5" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 2 has a 3" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 3 has a 3" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 4 has a 6" x 1" hole in web below haunch.  
Span 13 Bent 13 Girder 5 has heavy section loss in web below haunch.  
Span 13 Bent 14 Girder 2 has a 7.5" x 1" hole in web below haunch.  
Span 13 Bent 14 Girder 3 has a 4" x 1" hole in web below haunch and a 3" x 1" hole in bottom of web 6.5" from end, web is cracked 2" on span 13 end & 1" on span 14 end. A  
Span 13 Bent 14 Girder 4 has a 4" x 1" hole in bottom of web 5in from end with a 1" crack in web with 2" hole bottom flange.  
Span 13 Bent 14 Girder 5 has heavy section loss in web below haunch.  
Span 14 Bent 14 Girder 2 has a 4" x 1" hole in web below haunch.  
Span 14 Bent 14 Girder 3 has an 8" x up to 2" hole in web below haunch.  
Span 14 Bent 14 Girder 4 has a 3" x 1" hole in web below haunch.  
Span 14 Bent 15 Girders 1-5 have been repaired with plates welded to web at haunch.  
Span 14 Bent 15 Girder 2 has a 3.5' t-splice to bottom of girder.  
span 14 Bent 14 Girder 5 has 2" hole at haunch  
Span 15 Bent 15 Girder 1 has 3" x 1" hole at haunch.  
Span 15 Bent 15 Girder 3 has a 4" x 1" hole in web below haunch.  
Span 15 bent 16 girders 3 and 5 have 4' along bottom flange of up to 1/4" section loss.  
Span 15 Bent 16 Girder 1 has been repaired.  
Span 15 Bent 16 Girder 2 has been repaired.  
Span 15 Bent 16 Girder 4 has been T spliced in the past. Bottom of web has a 1" x 1/2" hole at the end of T-splice.  
Span 15 Bent 16 Girder 5 has a 2.5" diameter hole in web below haunch.  
Bearings have heavy pack rust and section loss.  
Span 3 Bent 4 Bearing 2 has 2 anchor bolts missing.  
Span 3 Bent 4 Bearing 5 has 1 anchor bolt missing.  
Span 3 Bents 4 and 5 Bearings 4 each have 1 anchor bolt missing.  
Span 7 Bent 8 Bearing 2 has 1 anchor bolt missing and moving under traffic.  
Span 7 Bent 8 Bearing 4 has 2 anchor bolts missing and moving under traffic.  
Span 8 Bent 9 Bearing 2 has 1 anchor bolt missing.  
Span 8 Bent 9 Bearing 4 has 2 anchor bolts missing.  
Span 9 Bent 10 Bearing 2 has 1 anchor bolt missing.



**Asset #02474(Routine)**

**SH 135-01-LM 15.09 over Right Chute Little River**

**Location: 2.12 Mi S Craighead CoLn**

**Team Lead: Tim Myrick, Inspection Date: 11/01/2022**

Span 9 Bent 10 Bearing 4 has 2 anchor bolts missing.

Span 10 Bent 10 Bearing 3 has 1 anchor bolt protruding out of cap 14in.

Span 11 Bent 12 Bearing 4 has 2 anchor bolts missing.

Span 13 Bent 14 Bearing 4 has 1 anchor bolt missing.

Span 15 Bent 16 Bearing 4 has 2 anchor bolts missing.

Some Girders are floating and moving under traffic especially Girder 2 over several bents.



## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	66	66	0	0	0
227	Reinforced Concrete Pile	EA	74	51	0	18	5
1080	Delamination/Spall/Patched Area	EA	6	0	0	6	0
1090	Exposed Rebar	EA	2	0	0	2	0
6000	Scour	EA	15	0	0	10	5
234	Reinforced Concrete Pier Cap	LF	345	228	19	98	0
1080	Delamination/Spall/Patched Area	LF	29	0	19	10	0
1090	Exposed Rebar	LF	28	0	0	28	0
1120	Efflorescence/Rust Staining	LF	4	0	0	4	0
1130	Cracking (RC and Other)	LF	56	0	0	56	0

### 60 - Substructure (4 - POOR CONDITION - advanced section loss, deterioration, spalling or scour.)

Comment: Several caps have debris buildup.

Most caps have cracked, delaminated or spalled areas with exposed rebar.

Bent 1 Cap has debris and asphalt buildup on cap.

Bent 2 Cap has several spalls with exposed rebar on bottom of cap.

Bent 3 Cap has some cracking and delaminated areas.

Bent 3 Pile 5 has a 5 ft. cracked and delaminated area near top of pile.

Bent 4 Piles 1, 2, 3, and 5 have cracked and delaminated areas near tops of piles. Piles 1 and 2 have exposed rebar.

Bent 5 Cap has a 3ft. x up to 8 in. deep spall under bearing 4 on back side of cap. Cap has spalls on ahead side under bearings 3 and 4. Bearing pads have 10% loss of bearing area.

Bent 6 cap has a 1ft. spall with exposed rebar on right end.

Bent 7 Cap has some cracking.

Bent 8 Cap span 7 side has a 2ft. spall with rebar over pile 2 and some cracks with efflorescence.

Bent 10 pile 1B span 10 side abrasion wear or delamination at WL, see photo.

Bent 10 Cap has several spalls with exposed rebar along bottom edges of cap.

Bent 11 Cap has several spalls with exposed rebar along bottom edges of cap.

Bent 12 Cap has several spalls with exposed rebar along bottom edges of cap with spalls & exposed rebar on face of cap.

Bent 13 Cap has vertical cracks, delaminated areas, and spalls with exposed rebar.

Bent 14 Cap has 11ft. of horizontal cracks and delaminated areas along bottom edge of cap.

Bent 14 Pile 5 has 3ft. cracks and delaminated area near top of pile.

Bent 15 Cap has 4ft. long horizontal crack to face of cap with areas of cracking and delamination.

### 61 - Channel/Channel Protection (5 - Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and brush restrict the channel.)

Comment: Channel realignment due to drift has caused heavy erosion at bent 8. District forces have placed riprap at bents 13, 14 & 15 and are in the process of placing riprap at bents 7 & 8 (01-13-2021). Heavy erosion and loss of embankment has occurred at these locations.

Channel has heavy drift buildup at bents 8 – 13 extending up to 25 ft. upstream.

See channel profile.



Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4







beginning end



ending end

**Maintenance Needs**

**Date Reported:** 11/03/2022

**Priority:** CF - Critical Finding - Immediate

**Type of Work:** Repair (General)

**Status:** Open

**Component:** Element

---

**Deficiency Description**

Span 1 Bent 1 Girder 5 has 3' of heavy section loss with a 3" x 3" hole in web below haunch and crushing.

**Remarks**

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S1 b1 g5





S1 b1 g5

### Maintenance Needs

**Date Reported:** 01/19/2021

**Priority:** A - Safety deficiency; requires prompt action

**Status:** Assigned

**Type of Work:** Repair (General)

**Component:** Superstructure

---

### Deficiency Description

Span 12 bent 12 girder 5 has a 7" x 6" area of heavy section loss, with a 6" x 3" hole in web below haunch. Web has some distortion due pack rust.

Span 4 Bent 4 Girder 5 has a 7" diameter area of section loss, with a 4" x 6" hole in web below haunch. Web has some distortion due to pack rust.

Span 5 bent 5 Girder 5 has a 24" x 3" hole in bottom of web 38" from end of girder. A

Span 7 Bent 8 Girder 5 has a 24" x 8" area of heavy section loss along bottom of web with multiple holes rusted through 53" back from Bent 8. Outside right bottom flange has heavy section loss. A

Span 13 Bent 14 Girder 3 has a 4" x 1" hole in web below haunch and a 3" x 1" hole in bottom of web 6.5" from end, web is cracked 2" on span 13 end & 1" on span 14 end. A

Span 13 Bent 14 Girder 4 has 4" x 1" hole in bottom of web, 5" from end with a 1" crack in web.

### Remarks

to Dist Br Crew for repair as schedule allows. Bridge scheduled for replacement 8-2022 with job 101012 KAW 1-25-21

Reviewed by MAH, 3-3-21 - Rating reduced posting

4/12/2021 Reviewed by CSL, Load rating considers condition at previous inspection

5/24/21 No additional information - ADN

6/22/21 Reviewed by MAH - No new information

7/16/2021 Reviewed by CSL - No additional information

8/4/21 No additional information - ADN

9/27/2021 Reviewed by CSL - No additional information

10/19/2021 Reviewed by MAH, no new information

10/19/2021 I cannot see the buckling/crushing from the documentation given. Please provide further documentation with an enhanced perspective so we can evaluate this CF. abm/dlv



S13&12 b13 g3



S12&11 b12 g5



S12&11 b12 g5



S7&8 b8 g5





S8&7 b8 g5



S5 b5 g5



S5 b5 g5



S4&3 b4 g5





Span 13 bent 14 girder 4



Span 13 bent 14 girder 3



Span 13 bent 14 girder 3 (pic 2)



S13 b14 g3 pic 1



S13 b14 g3 pic 2



S13 b14 g4 pic 1





S13 b14 g4 pic 2



S13 b14 g3



S13 b14 g4



S13 b14 g4





Span 12 bent 12 girder 5



Span 4 Bent 4 Girder 5



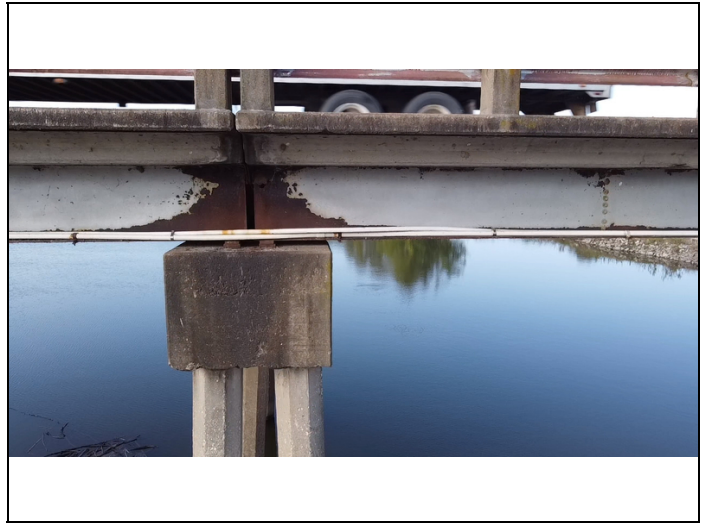
S4 b4 g5 pic 1



S4 b4 g5 pic 2



S4 b4 g5 pic 3



S12 b12 g5 pic 1



S12 b12 g5 pic 2



S12 b12 g5 pic 3





Span 12 bent 12 girder 5



### Maintenance Needs

**Date Reported:** 10/28/2014

**Priority:** B - Pressing

**Type of Work:** Repair (General)

**Status:** Assigned

**Component:** Superstructure

### Deficiency Description

Span 1 Bent 2 Girder 4 has a 4" x 1" hole in web below haunch. Bottom of web has a 30" x up to 6" area of heavy section loss with a 9" x 2" hole with a 2" split in web 3" from end of girder. Bottom flange has heavy section loss.

Span 2 Bent 2 Girder 3 has a 8" x 2" hole in web below haunch and cracked extends to end of web. Bottom of web has a 3' x up to 5" area of heavy section loss with a 2" diameter hole 12" from end of girder.

Span 2 Bent 2 Girder 4 has a 6" x 1" hole in web below haunch. Bottom of web has a 2' x 4" area of heavy section loss with a 4" x 1" hole 6" from end of girder.

Span 2 Bent 3 Girder 2 has a 8 in x 1 in hole in web below haunch.

Span 2 Bent 3 Girder 3 has a 6 in x 1 in hole in web below haunch with a 6' area and 2" x 1 1/2" diameter hole in web. of heavy section loss along bottom of web.

Span 2 Bent 3 Girder 4 has an 8" x 2" hole in web below haunch. Bottom of web has a 5" x 1" hole 5" from end of girder.

Span 3 Bent 3 Girder 4 has a 10" x 2" hole in web below haunch.

Span 4 Bent 4 Girder 2 has a 10" x up to 4" hole in web below haunch.

Span 7 Bent 7 Girder 1 has 7" x up to 4" hole in web below haunch with some out of plane bending.

Span 7 Bent 8 Girder 2 has a 7" x 1" hole in web below haunch.

Span 8 Bent 8 Girder 1 has a 9" x 1" hole in web below haunch.

Span 10 Bent 10 Girder 4 has a 9" x 1" hole in web below haunch.

Span 11 Bent 11 Girder 3 has a 7" x 1" hole in web below haunch.

Span 11 Bent 11 Girder 4 has an 8" x 2" hole in web below haunch.

Span 11 Bent 12 Girder 2 has a 9" x 1" hole in web below haunch.

Span 12 Bent 12 Girder 5 has a 7" x 6" area of heavy section loss with a 6" x 3" hole in web below haunch. Web has begun to crush due to pack rust.

Span 13 Bent 14 Girder 2 has a 7.5" x 1" hole in web below haunch.

Span 14 Bent 14 Girder 3 has an 8" x up to 2" hole in web below haunch.

### Remarks



S14&13 b14 g2



S14&13 b14 g3



S12&11 b12 g2



S10&9 b10 g4





S8&7 b8 g2



S7&8 b8 g1



S6&7 b7 g1



S3&2 b3 g4





S2&3 b3 g3



S3&2 b3 g3



S3&2 b3 g2



S2 b2 g4



S1 b2 g4



S2 b2 g3





Girder 4 over bent 3



Span 8 bent 8 girder 1





Span 13 bent 14 girder 2



Girder 2 over bent 4



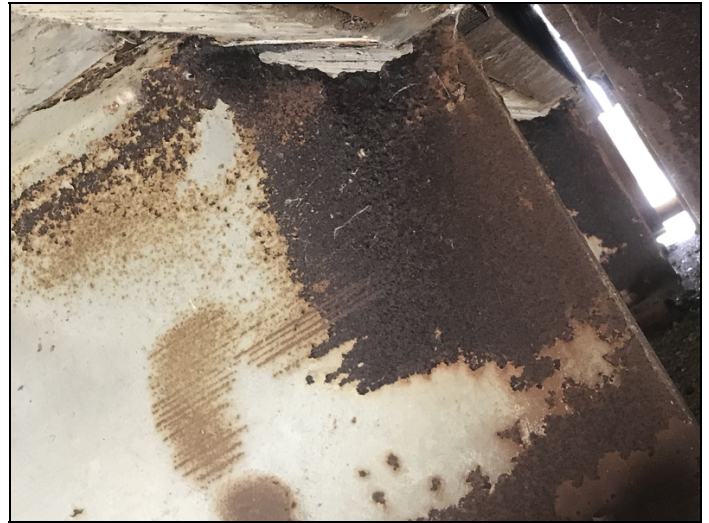
Span 10 bent 10 girder 4



Girder 3 over bent 14



Span 11 bent 12 girder 2



Span 11 bent 11 girder 3





Span 7 bent 7 girder 1



Span 11 bent 11 girder 4





Span 8 bent 8 girder 1



Span 2 Bent 2 Girder 3



Span 4 bent 4 girder 5



Span 8 bent 8 girder 1



Span 10 bent 10 girder 4



Span 11 bent 11 girder 3





Span 11 bent 11 girder 4



Span 11 bent 12 girder 2





Span 13 bent 14 girder 4



Span 5 bent 5 girder 5



Span 1&2 bent 2 girders 4



S5 b5 g5 pic 1



S5 b5 g5 pic 2



S1 B2 g4





S2 B2 g3



S2&3 b3 g4



S5 b5 g5

**Maintenance Needs**

**Date Reported:** 01/16/2021

**Priority:** B - Pressing

**Type of Work:** Repair (General)

**Status:** Assigned

**Component:** Channel

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**Deficiency Description**

Channel has realigned toward Bent 8, Heavy erosion with loss of embankment at this location, see channel profile, "02474 Soundings 121020.dgn". Piles have lost several feet of penetration. Repairs are currently ongoing.

**Remarks**

Rip Rap placement/Repairs are currently ongoing. 1-14-2021 JFA/CWS

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Bent 8 1-15-2020





Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

#### Maintenance Needs

Date Reported: 11/03/2022

Priority: B - Pressing

Type of Work: Repair (General)

Status: Open

Component: Element

---

#### Deficiency Description

Bent 10 pile 1B span 10 side abrasion wear or delamination at WL, see photo.

#### Remarks

---



S10 b10 p1b

### Maintenance Needs

**Date Reported:** 10/22/2012

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Substructure

---

### Deficiency Description

Most caps have cracked/delaminated areas and/or spalls with rebar exposed.

Bent 1 Cap has debris and asphalt buildup on cap.

Bent 2 Cap has several spalls with rebar exposed on bottom of cap.

Bent 3 Cap has some cracking and delaminated areas.

Bent 5 Cap has a 3' x up to 8" deep spall under bearing 4 on span 4 side of cap. Cap has spalls on ahead side under bearings 3 and 4 on span 5 side with 10% loss of bearing area. Girder 3 is worse. Bearing pads have some loss of bearing area.

Bent 6 cap has a 1' spall with rebar exposed on Rt end.

Bent 7 Cap has some cracking.

Bent 8 Cap span 7 side has a 2' spall with rebar over pile 2 and some cracks with efflorescence.

Bent 10 Cap has several spalls with rebar exposed along bottom edges of cap.

Bent 11 Cap has several spalls with rebar exposed along bottom edges of cap.

Bent 12 Cap has several spalls with rebar exposed along bottom edges of cap & exposed rebar in face of cap.

Bent 13 Cap has vertical cracks, delaminated areas, and spalls with rebar exposed in face of cap.

Bent 14 Cap has 11' of horizontal cracks and delaminated areas along bottom edge of cap.

Bent 15 Cap has 4' long horizontal crack to face of cap with areas of cracking and delamination.

### Remarks

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Bent 5 cap









Span 4 bent 5 Cap



**Maintenance Needs**

**Date Reported:** 10/22/2012

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Monitor

**Component:** Channel

---

**Deficiency Description**

Channel has heavy drift buildup from Bent 9 - 12

**Remarks**

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Span 10-11 drift



Drift



### Maintenance Needs

Date Reported: 10/22/2012

Priority: C - Important

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Monitor

Component: Superstructure

---

### Deficiency Description

Girder 5 on majority of spans has areas of section loss at bottom of web and bottom flange (up to 1/4") at utility attachments.

Several outside girders at haunch and web area has some out of plane bending due to pack rust, especially girder 5.

### Remarks

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Span 11 girder 5



**Asset #02474**(Routine)

**SH 135-01-LM 15.09 over Right Chute Little River**

**Location: 2.12 Mi S Craighead CoLn**

**Team Lead: Tim Myrick, Inspection Date: 11/01/2022**

#### **Maintenance Needs**

**Date Reported:** 10/22/2012

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Monitor

**Component:** Element

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#### **Deficiency Description**

Bridge rail has a broken post at each of these locations:  
Span 1 Lt, Span 5 Lt, Span 9 Rt, Span 15 Lt.

#### **Remarks**

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**Asset #02474**(Routine)

**SH 135-01-LM 15.09 over Right Chute Little River**

**Location: 2.12 Mi S Craighead CoLn**

**Team Lead: Tim Myrick, Inspection Date: 11/01/2022**

#### **Maintenance Needs**

**Date Reported:** 10/22/2012

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Monitor

**Component:** Element

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#### **Deficiency Description**

Bearings have heavy pack rust and section loss. Several anchor bolts and anchor nuts have heavy section loss. Several anchor bolts are missing.

A few bearings are floating with a 1/16" gap between sole plate and masonry plates.

#### **Remarks**

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### Maintenance Needs

Date Reported: 10/22/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Element

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### Deficiency Description

Several Piles have vertical cracks and delaminated areas near top of piles:

Bent 3 Pile 5 has 5 ft. cracked and delaminated area near top of pile, see 2017 photo.

Bent 4 Piles 1, 2, 3, and 5 have cracked and delaminated areas near tops of piles with rebar exposed to Piles 1&2, see 2017 photo.

Bent 14 Pile 5 has 3ft. cracks and delaminated area near top of pile.

### Remarks

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Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

### Maintenance Needs

Date Reported: 10/22/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

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### Deficiency Description

Deck

Lt and Rt gutters have areas of heavy scaling/spalls with some rebar exposed. Gutters have several patches in poor condition

### Remarks

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**Asset #02474**(Routine)

**SH 135-01-LM 15.09 over Right Chute Little River**

**Location: 2.12 Mi S Craighead CoLn**

**Team Lead: Tim Myrick, Inspection Date: 11/01/2022**

#### **Maintenance Needs**

**Date Reported:** 10/22/2012

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Monitor

**Component:** Superstructure

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#### **Deficiency Description**

Steel Girders

Ends of all girders rusted with some section loss to web near conc. haunch, 1/8 in to 1/4 in. typical . 2 ft, to 3 ft. on end of majority of girders have up to 1/4 in.section loss to bottom flange and web.

#### **Remarks**

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**Asset #02474**(Routine)

**SH 135-01-LM 15.09 over Right Chute Little River**

**Location: 2.12 Mi S Craighead CoLn**

**Team Lead: Tim Myrick, Inspection Date: 11/01/2022**

**Maintenance Needs**

**Date Reported:** 10/22/2012

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Element

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**Deficiency Description**

Span 1 & 15  
Slope erosion under Sp.1 & 15 See photo 2008

**Remarks**

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**Maintenance Needs**

**Date Reported:** 12/09/2019

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Monitor

**Component:**

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**Deficiency Description**

Ends of several girders have areas of heavy section loss with holes in web near concrete haunches. Some have holes in bottom of web near bottom flange. Several bottom flanges have heavy section loss with holes in flanges near bearings. See report of 12-09-2019 for measurements & details.

**Remarks**

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Span 2 Bent 2 Girder 3



Span 2 bent 3 girder 3





Span 2 bent 3 girder4



Span 1 bent 2 girder 4



Span 3 bent 3 girder 1



Span 3 bent 4 girder 2



Span 7 bent 7 girder 5



Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

## 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	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	





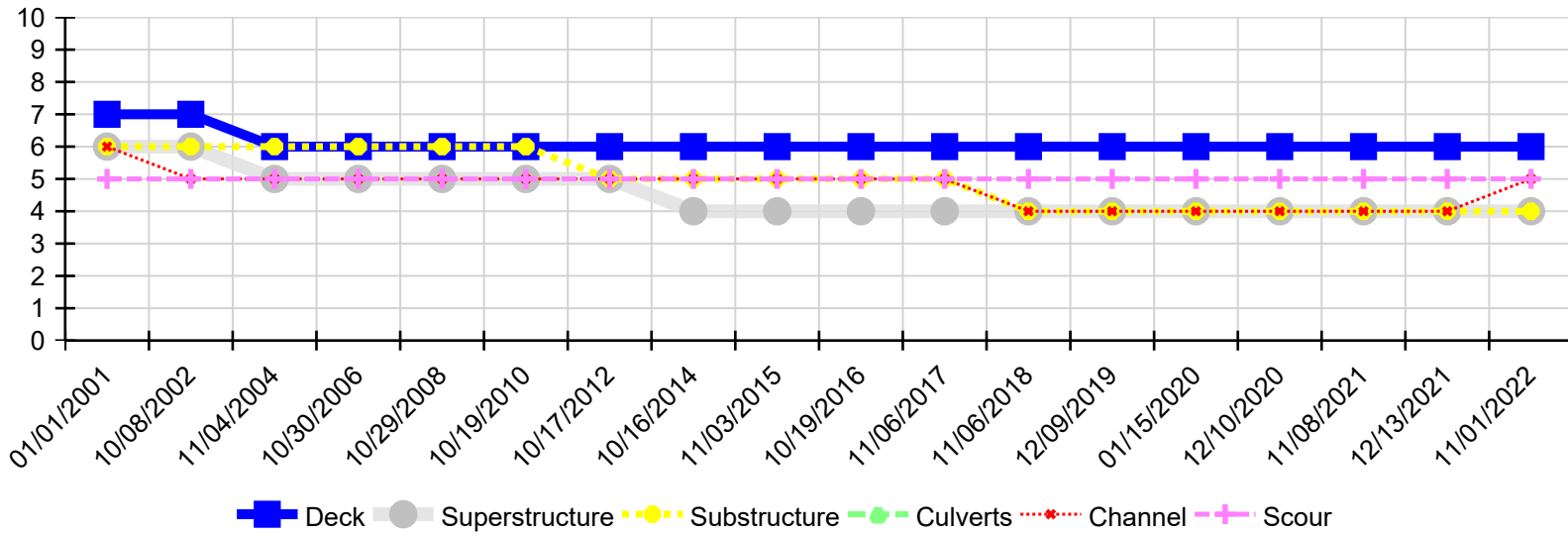
Asset #02474(Routine)

SH 135-01-LM 15.09 over Right Chute Little River

Location: 2.12 Mi S Craighead CoLn

Team Lead: Tim Myrick, Inspection Date: 11/01/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/01/2022	6	4	4	N	5	5
12/13/2021	6	4	4	N	4	5
11/08/2021	6	4	4	N	4	5
12/10/2020	6	4	4	N	4	5
01/15/2020	6	4	4	N	4	5
12/09/2019	6	4	4	N	4	5
11/06/2018	6	4	4	N	4	5
11/06/2017	6	4	5	N	5	5
10/19/2016	6	4	5	N	5	5
11/03/2015	6	4	5	N	5	5
10/16/2014	6	4	5	N	5	5
10/17/2012	6	5	5	N	5	5
10/19/2010	6	5	6	N	5	5
10/29/2008	6	5	6	N	5	5
10/30/2006	6	5	6	N	5	5
11/04/2004	6	5	6	N	5	5
10/08/2002	7	6	6	N	5	5
01/01/2001	7	6	6	N	6	5