



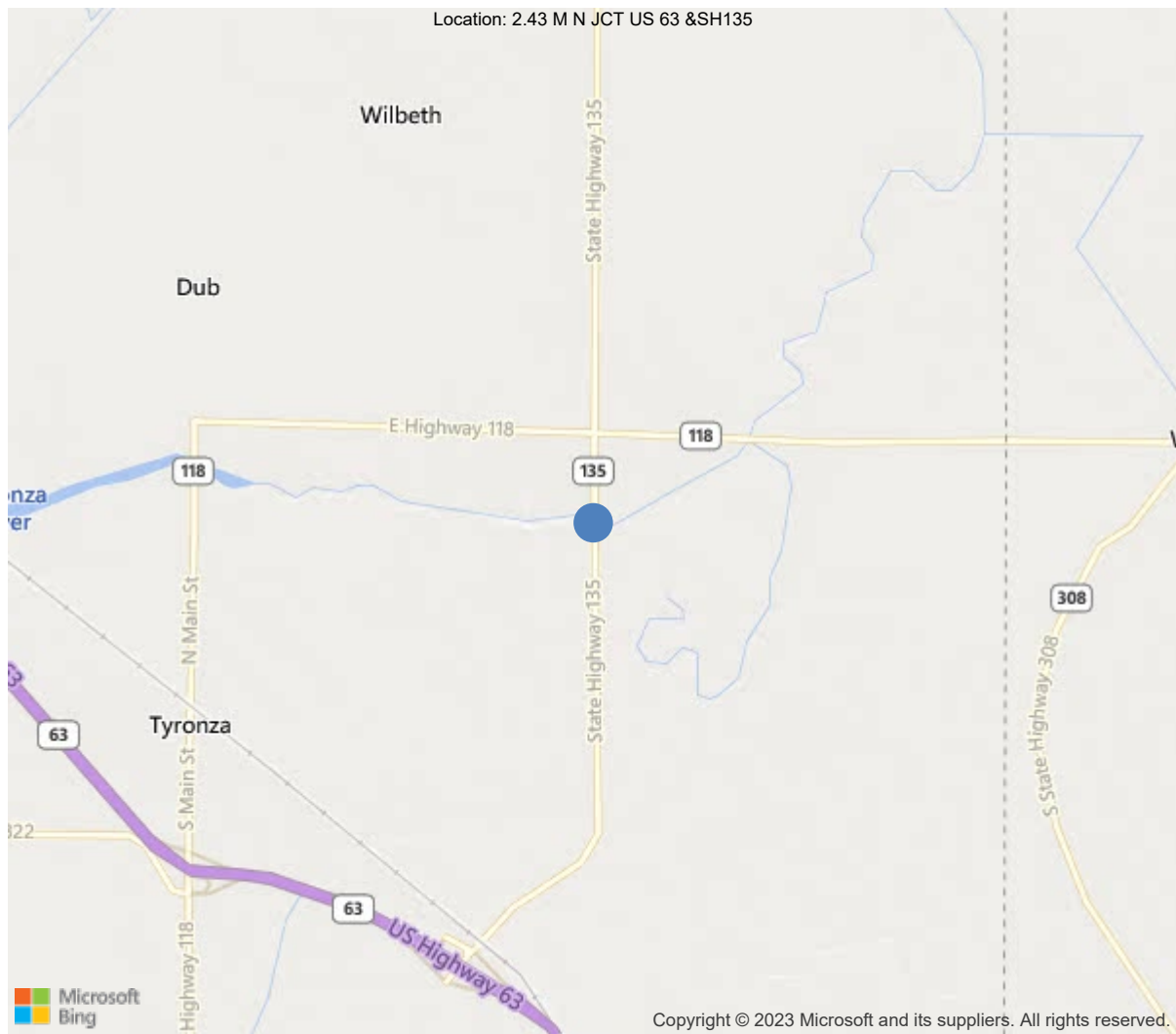
Latitude:35.50510, Longitude:-90.32304

Route:135 Section:01 Log:2.67

Arnold Road ID:56x135x1xA, Arnold Log mile:2.65

District 10, 111 - Poinsett County

Owner: 1 - State Highway Agency



35.50510, -90.32304



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A2885
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	111 - Poinsett County
(4) Place Code	0
(6) Features Intersected	TYRONZA RIVER
(7) Facility Carried	SH 135-01- LM 2.67
(9) Location	2.43 M N JCT US 63 &SH135
(11) Mile Point	2.67 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000135010
(16) Latitude	35.5051043669786
(17) Longitude	-90.3230440621693
(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	7
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1954
(106) Year Reconstructed	1975
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	1100
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	40 ft
(49) Structure Length	283 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	28.6 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0 - No median
(34) Skew	30 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	25.9 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 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	3
(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	44
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	27
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	4
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	8
(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 t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	319 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 156
(96) Total Project Cost	\$ 839
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	1105
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	05/17/2022		
(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.			

58 - Deck (3 - SERIOUS CONDITION - loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.)
Inspected with snooper 5-17-2022

Approach roadways have minor settlement.

Majority of Deck has transverse cracks, delaminated areas and patched areas. Some drain openings have exposed rebar. Seals are missing from all joints.

Majority of joints are closed. Deck has heavy areas of cracks, spalls, and delaminated areas along several joints.

Road irons are beginning to pull loose at bents 2, 5, and 7. (Bent 7 joint has 5 ft. missing)

Soffit has several cracks with some efflorescence and rust stains.

Overhangs have cracks with efflorescence and spalls with exposed rebar near drains.

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

Ends girders have rust with section loss at web below concrete haunch, bottom flange, and along bottom of web.

Exterior girders have rust with some section loss under drains.

Majority of anchor bolts are missing at interior bents due to shimming bearings to level the deck.

Span 1 bent 1 girder 1 has 1' of moderate section loss.

Span 1 bent 1 girder 2 has a 8" x 2" hole in web below haunch. Bottom of web has been T-spliced. Girder is moving under traffic.

Span 1 bent 1 girder 3 has a 2" x 1/2" hole in web below haunch. Bottom of web has been T-spliced.

Span 1 bent 1 girder 4 has section loss on bottom flange. Bottom flange has heavy section loss with a 8" x 1" hole in bottom flange. 4' along bottom of web has moderate section loss.

Span 1 bent 2 girders 1, 2, 3, and 5 have section loss at web below haunch and some along bottom of web.

Span 1 bent 2 girder 2 has pin hole at haunch.

Span 1 bent 2 girder 3 has a 3" diameter hole in web at haunch.

Span 1 bent 2 girder 4 has a 7 1/2" x 2" hole in bottom of web 7" from end.

Span 2 bent 2 girder 1 has some minor out of plane bending at web near haunch.

Span 2 bent 2 girder 3 has a 1/2" x 5" diameter hole in web near haunch.

Span 2 bent 3 girder 3 bearings are beginning to slide out.

Span 2 bent 3 girder 4 has a 5" x 1" hole in web below haunch. Bottom of web has some section loss over bearing.

Span 3 bent 4 bearing 2 shim plates are loose, both anchor bolts are missing and sliding out on span 4 side also.

Span 3 bent 4 bearing 4 shim plates has fallen out, both anchor bolts are missing.

Span 4 bent 4 girder 2 has a 4" x 1" diameter hole in web below haunch.

Span 4 bent 4 girder 3 has a 3" diameter hole in web below haunch.

Span 4 bent 4 girder 4 has a 4.5" x 1" hole in web below haunch.

Bent 5 right side appears to have settled 1" - 2".

Span 4 bent 5 girder 2 no anchor bolts.

Span 4 bent 5 girder 5 has no anchor bolts.

Span 4 bent 5 girder 3 has a 1/2" diameter hole in web near haunch.

Span 5 bent 5 girder 2 has a 5" x 1" hole in web below haunch.

Span 5 bent 5 girder 3 has a 1/2" diameter hole in web near haunch.

Span 5 bent 5 girder 4 has 5"x1" hole in web haunch.

Span 5 bent 5 girder 5 has a 5" x 1" hole in web below haunch.

Span 5 bent 6 bearing 3 shim is sliding out and a 3" x 1/2" hole at haunch.

span 5 bent 6 girder 4 pin holes at haunch

Span 5 bent 6 girder 5 anchor bolts are missing, also girders 2 @ 3.

Span 6 bent 6 girder 2 has a 4"x 1" hole in web below haunch.

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

Span 6 bent 6 girder 4 has a 6" x 1" hole in web below haunch and shims are shifting or out of place.

Span 6 bent 7 girder 3 has moderate section loss along bottom of web over bearing with a 2" x 1" in hole in web near bottom flange.

span 7 bent 7 girder 3 has 1 anchor bolt.

Span 7 bent 8 girder 3 has a 9" x 1" hole in bottom of web 16" from end of girder in right flange.

Bottom flange has a 5" x up to 2" hole near bearing in left flange.

Span 7 bent 8 girder 4 has a 7" x 1" hole in web below haunch. Bottom of web has been T-spliced.



Asset #A2885(Routine, Underwater type 2)

District: 10, County: 111 - Poinsett County

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

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

Bent 5 right side appears to have settle.

Bent 1 is undermined for 10' on Lt end up to 1' below and 2' back under. Lt wing has a spall with exposed rebar.

Bent 2 cap has vertical cracks under bearings 1 and 2 on span 2 side. Cap has a 2' horizontal crack near bearing 2 on span 2 side.

Bents 3 and 4 have small drift buildup lodged on piles.

Bent 3 cap has vertical cracks under bearings 1 – 5. Cap has a 3' horizontal crack under bearing 3.

Cap has 1/16" vertical cracks over piles 2 and 4.

Bent 3 pile 5 has a ring crack at extension.

Bent 4 cap has 1/16" vertical cracks on span 4 side under bearing 1 and near bearings 2 and 4.

Cap has 1' of exposed rebar under bearing 3. left end has a spall with 1' of exposed rebar and 1' of cracks/delamination.

Bent 4 pile 1 has efflorescence buildup at top of pile.

Bent 4 piles 3 and 4 have exposed rebar from lack of coverage.

Bent 4 pile 5 has vertical cracks.

Bent 4 piles/extensions are out of plumb

Bent 5 right appears to have settled 1" – 2".

Bent 5 cap has 1/16" vertical crack above pile 4.

Cap has a cold joint running the length of the cap.

Cap has a spall with 1' of rebar on right end.

Bent 5 piles 3, 4 and 5 have exposed rebar.

Bent 5 piling extensions are out of plumb.

Bent 6 cap near girder 1 has a 2' x 2' x 2" deep spall with exposed rebar on top of cap.

Bent 6 cap has a 1/16" vertical crack near pile 4.

Top of cap has concrete disintegration up to 1" deep near bearing 1.

Bent 6 pile 1 has cracks, delaminated areas, and efflorescence.

Bent 6 pile 3 has exposed rebar.

Bent 6 pile 5 has a horizontal crack with exposed rebar at pile extension.

Bent 7 cap has a 3' horizontal crack under bearing 3 on span 6 side.

Bridge was built in 1954. Bridge was remodeled in 1975 with pile extensions and collars on piles.

Settlement has been reported since 1978. In 1992 and 2007 the deck was profiled after it was leveled by adding shims at bearings.

Shims have fallen out and been replaced several times over the years.

Deck profile and bearing shim measurements show that interior bents have settled up to 5" since originally reported, especially on right side.

A-46 - Asset Files

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Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7093	430	1284	5379	0
1080	Delamination/Spall/Patched Area	SF	1975	0	448	1527	0
1090	Exposed Rebar	SF	6	0	0	6	0
1120	Efflorescence/Rust Staining	SF	836	0	836	0	0
1130	Cracking (RC and Other)	SF	3846	0	0	3846	0
107	Steel Open Girder/Beam	LF	1400	829	336	225	10
1000	Corrosion	LF	571	0	336	225	10
515	Steel Protective Coating	SF	9499	7656	190	190	1463
3440	Effectiveness (Steel Protective Coatings)	LF	1843	0	190	190	1463
215	Reinforced Concrete Abutment	LF	76	64	10	2	0
1090	Exposed Rebar	LF	2	0	0	2	0
6000	Scour	LF	10	0	10	0	0
227	Reinforced Concrete Pile	EA	30	0	0	10	20
1130	Cracking (RC and Other)	EA	2	0	0	2	0
4000	Settlement	EA	28	0	0	8	20
234	Reinforced Concrete Pier Cap	LF	282	223	5	54	0
1080	Delamination/Spall/Patched Area	LF	19	0	5	14	0
1090	Exposed Rebar	LF	6	0	0	6	0
1130	Cracking (RC and Other)	LF	34	0	0	34	0
304	Open Expansion Joint	LF	204	128	0	76	0
2360	Adjacent Deck or Header	LF	76	0	0	76	0
311	Movable Bearing	EA	30	0	0	26	4
1000	Corrosion	EA	26	0	0	26	0
2240	Loss of Bearing Area	EA	4	0	0	0	4
313	Fixed Bearing	EA	40	0	0	40	0
1000	Corrosion	EA	40	0	0	40	0
330	Metal Bridge Railing	LF	560	0	560	0	0
1000	Corrosion	LF	560	0	560	0	0
515	Steel Protective Coating	SF	1904	381	0	1523	0
3440	Effectiveness (Steel Protective Coatings)	LF	1523	0	0	1523	0



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7093	430	1284	5379	0
1080	Delamination/Spall/Patched Area	SF	1975	0	448	1527	0
1090	Exposed Rebar	SF	6	0	0	6	0
1120	Efflorescence/Rust Staining	SF	836	0	836	0	0
1130	Cracking (RC and Other)	SF	3846	0	0	3846	0

58 - Deck (3 - SERIOUS CONDITION - loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.)

Comment: Inspected with snooper 5-17-2022

Approach roadways have minor settlement.

Majority of Deck has transverse cracks, delaminated areas and patched areas. Some drain openings have exposed rebar. Seals are missing from all joints.

Majority of joints are closed. Deck has heavy areas of cracks, spalls, and delaminated areas along several joints.

Road irons are beginning to pull loose at bents 2, 5, and 7. (Bent 7 joint has 5 ft. missing)

Soffit has several cracks with some efflorescence and rust stains.

Overhangs have cracks with efflorescence and spalls with exposed rebar near drains.

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	1400	829	336	225	10
1000	Corrosion	LF	571	0	336	225	10
515	Steel Protective Coating	SF	9499	7656	190	190	1463
3440	Effectiveness (Steel Protective Coatings)	LF	1843	0	190	190	1463

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

Comment: Ends girders have rust with section loss at web below concrete haunch, bottom flange, and along bottom of web.

Exterior girders have rust with some section loss under drains.

Majority of anchor bolts are missing at interior bents due to shimming bearings to level the deck.

Span 1 bent 1 girder 1 has 1' of moderate section loss.

Span 1 bent 1 girder 2 has a 8" x 2" hole in web below haunch. Bottom of web has been T-spliced. Girder is moving under traffic.

Span 1 bent 1 girder 3 has a 2" x ½" hole in web below haunch. Bottom of web has been T-spliced.

Span 1 bent 1 girder 4 has section loss on bottom flange. Bottom flange has heavy section loss with a 8" x 1" hole in bottom flange. 4' along bottom of web has moderate section loss.

Span 1 bent 2 girders 1, 2, 3, and 5 have section loss at web below haunch and some along bottom of web.

Span 1 bent 2 girder 2 has pin hole at haunch.

Span 1 bent 2 girder 3 has a 3" diameter hole in web at haunch.

Span 1 bent 2 girder 4 has a 7 ½" x 2" hole in bottom of web 7" from end.

Span 2 bent 2 girder 1 has some minor out of plane bending at web near haunch.

Span 2 bent 2 girder 3 has a ½"x 5" diameter hole in web near haunch.

Span 2 bent 3 girder 3 bearings are beginning to slide out.

Span 2 bent 3 girder 4 has a 5" x 1" hole in web below haunch. Bottom of web has some section loss over bearing.

Span 3 bent 4 bearing 2 shim plates are loose, both anchor bolts are missing and sliding out on span 4 side also.

Span 3 bent 4 bearing 4 shim plates has fallen out, both anchor bolts are missing.

Span 4 bent 4 girder 2 has a 4" x 1" diameter hole in web below haunch.

Span 4 bent 4 girder 3 has a 3 " diameter hole in web below haunch.

Span 4 bent 4 girder 4 has a 4.5" x 1" hole in web below haunch.

Bent 5 right side appears to have settled 1" – 2".

Span 4 bent 5 girder 2 no anchor bolts.

Span 4 bent 5 girder 5 has no anchor bolts.

Span 4 bent 5 girder 3 has a ½ " diameter hole in web near haunch.

Span 5 bent 5 girder 2 has a 5" x 1" hole in web below haunch.

Span 5 bent 5 girder 3 has a ½ " diameter hole in web near haunch.

Span 5 bent 5 girder 4 has 5"x1" hole in web haunch.

Span 5 bent 5 girder 5 has a 5" x 1" hole in web below haunch.

Span 5 bent 6 bearing 3 shim is sliding out and a 3" x 1/2" hole at haunch.

span 5 bent 6 girder 4 pin holes at haunch

Span 5 bent 6 girder 5 anchor bolts are missing, also girders 2 @ 3.

Span 6 bent 6 girder 2 has a 4"x 1" hole in web below haunch.

Span 6 bent 6 girder 3 has a 3" x ½" hole in web below haunch.

Span 6 bent 6 girder 4 has a 6" x 1" hole in web below haunch and shims are shifting or out of place.

Span 6 bent 7 girder 3 has moderate section loss along bottom of web over bearing with a 2" x 1" in hole in web near bottom flange.

span 7 bent 7 girder 3 has 1 anchor bolt.

Span 7 bent 8 girder 3 has a 9" x 1" hole in bottom of web 16" from end of girder in right flange.

Bottom flange has a 5" x up to 2" hole near bearing in left flange.

Span 7 bent 8 girder 4 has a 7" x 1" hole in web below haunch. Bottom of web has been T-spliced.



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	76	64	10	2	0
1090	Exposed Rebar	LF	2	0	0	2	0
6000	Scour	LF	10	0	10	0	0
227	Reinforced Concrete Pile	EA	30	0	0	10	20
1130	Cracking (RC and Other)	EA	2	0	0	2	0
4000	Settlement	EA	28	0	0	8	20
234	Reinforced Concrete Pier Cap	LF	282	223	5	54	0
1080	Delamination/Spall/Patched Area	LF	19	0	5	14	0
1090	Exposed Rebar	LF	6	0	0	6	0
1130	Cracking (RC and Other)	LF	34	0	0	34	0

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

Comment: Bent 5 right side appears to have settle.

Bent 1 is undermined for 10' on Lt end up to 1' below and 2' back under. Lt wing has a spall with exposed rebar.

Bent 2 cap has vertical cracks under bearings 1 and 2 on span 2 side. Cap has a 2' horizontal crack near bearing 2 on span 2 side.

Bents 3 and 4 have small drift buildup lodged on piles.

Bent 3 cap has vertical cracks under bearings 1 – 5. Cap has a 3' horizontal crack under bearing 3.

Cap has 1/16" vertical cracks over piles 2 and 4.

Bent 3 pile 5 has a ring crack at extension.

Bent 4 cap has 1/16" vertical cracks on span 4 side under bearing 1 and near bearings 2 and 4.

Cap has 1' of exposed rebar under bearing 3. left end has a spall with 1' of exposed rebar and 1' of cracks/delamination.

Bent 4 pile 1 has efflorescence buildup at top of pile.

Bent 4 piles 3 and 4 have exposed rebar from lack of coverage.

Bent 4 pile 5 has vertical cracks.

Bent 4 piles/extensions are out of plumb

Bent 5 right appears to have settled 1" – 2".

Bent 5 cap has 1/16" vertical crack above pile 4.

Cap has a cold joint running the length of the cap.

Cap has a spall with 1' of rebar on right end.

Bent 5 piles 3, 4 and 5 have exposed rebar.

Bent 5 piling extensions are out of plumb.

Bent 6 cap near girder 1 has a 2' x 2' x 2" deep spall with exposed rebar on top of cap.

Bent 6 cap has a 1/16" vertical crack near pile 4.

Top of cap has concrete disintegration up to 1" deep near bearing 1.

Bent 6 pile 1 has cracks, delaminated areas, and efflorescence.

Bent 6 pile 3 has exposed rebar.

Bent 6 pile 5 has a horizontal crack with exposed rebar at pile extension.

Bent 7 cap has a 3' horizontal crack under bearing 3 on span 6 side.

Bridge was built in 1954. Bridge was remodeled in 1975 with pile extensions and collars on piles.

Settlement has been reported since 1978. In 1992 and 2007 the deck was profiled after it was leveled by adding shims at bearings.

Shims have fallen out and been replaced several times over the years.

Deck profile and bearing shim measurements show that interior bents have settled up to 5" since originally reported, especially on right side.



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4





Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, **Inspection Date:** 05/17/2022

Maintenance Needs

Date Reported: 04/21/2011

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Bridge

Deficiency Description

Bridge was built in 1954. Bridge was remodeled in 1975 with pile extensions and collars on piles. Settlement has been reported since 1978. In 1992 and 2007 the deck was profiled after it was leveled by adding shims at bearings.

Shims have fallen out and been replaced several times over the years.

Deck profile and bearing shim measurements show that interior bents have settled up to 5" since originally reported, especially on Rt side.

Remarks

Maintenance Needs

Date Reported: 05/17/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

Deficiency Description

Deck has numerous transverse cracks, delaminated areas and patched areas, and spalls. Seals are missing from all joints. Majority of joints are closed. Deck has cracks, spalls, and delaminated areas along several joints. Road irons are beginning to pull loose at bents 2, 5, and 7. (Bent 7 joint has 5' missing) Soffit has several cracks with some efflorescence and rust stains. Overhangs have cracks with efflorescence and spalls with rebar exposed near drains.

Remarks





Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022



Maintenance Needs

Date Reported: 05/17/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Substructure

Deficiency Description

Caps at Bents 2 – 6 have several vertical and horizontal cracks, delaminated areas, and spalls with rebar exposed. Some piles have cracking/delaminations near bents.

Remarks



S4 b4 under g1



B4 left end



S4 b4 left end



B5 right & p5



B6 p1



S5 b6 g1



S6 b6 left



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, **Inspection Date:** 05/17/2022

Maintenance Needs

Date Reported: 05/17/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Superstructure

Deficiency Description

Ends girders have rust with section loss at web below concrete haunch, bottom flange, and along bottom of web. Exterior girders have rust with some section loss under drains.

Remarks



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

Maintenance Needs

Date Reported: 05/17/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Superstructure

Deficiency Description

Span 1 bent 1 girder 1 has 1' of moderate section loss.

Span 1 bent 1 girder 2 has a 8" x 2" hole in web below haunch.

Span 1 bent 1 girder 3 has a 2" x 1/2" hole in web below haunch. Bottom of web has been T-spliced.

Span 1 bent 1 girder 4 has section loss on bottom flange. Bottom flange is has heavy section loss with holes at edge. 4' along bottom of web has moderate section loss.

Span 1 bent 2 girders 1, 2, 3, and 5 have section loss at web below haunch and some along bottom of web.

Span 1 bent 2 girder 3 has a 1/2" diameter hole in web at haunch.

Span 2 bent 2 girder 1 has some minor out of plane bending at web near haunch.

Span 2 bent 3 girder 4 has a 5" x 1" hole in web below haunch. Bottom of web has some section loss over bearing.

Span 4 bent 4 girder 2 has a 4" x 1" diameter hole in web below haunch.

Span 4 bent 4 girder 3 has a 3" in. diameter hole in web below haunch.

Span 4 bent 4 girder 4 has a 4.5" x 1" hole in web below haunch.

Span 4 girder 3 bent 5 has 1/2 in. diameter hole in web near haunch.

Span 5 bent 5 girder 2 has a 5" 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 girder 3 at bent 5 has a 1/2 in. diameter hole in web near haunch.

Span 6 bent 6 girder 2 has a 4" x 1" hole in web below haunch.

Span 6 bent 6 girder 3 has a 4" x 1/2" hole in web below haunch.

Span 6 bent 6 girder 4 has a 6" x 1" hole in web below haunch.

Span 7 bent 8 girder 4 has a 7" x 1" hole in web below haunch.

Remarks



S6 & s5 b6 g4



S6 & s5 b6 g3



S6 b6 g2



S5 & s4 b5 g4



S5 & s4 b5 g2



S3 & s4 b4 g3



S3 & s2 b3 g4



S1 & s2 b2 g3



S1 b2 g2



Span 1 Bent 1 girder 2 2019



Span 4 bent 4 girder 2



Span 1&2 bent 2 girder 3.jpg



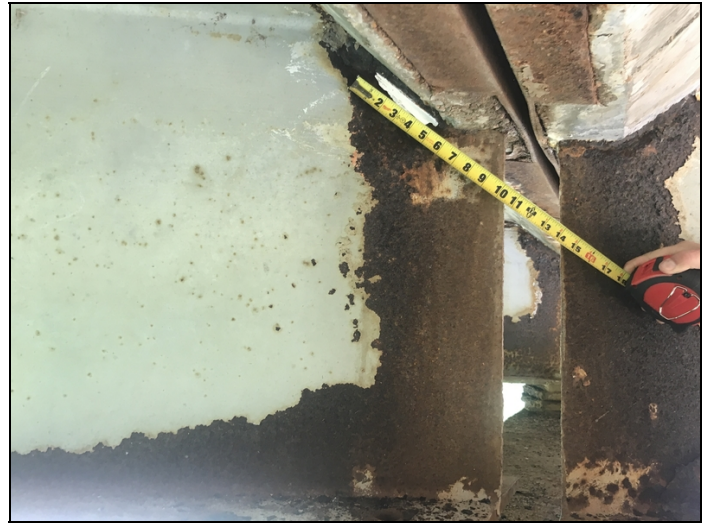
Span 4&5 bent 5 girder 3



S4 b4 g3



S4 b4 g4



S5 b5 g2



S4 b5 g3 @ s5 b5 g3



S5 b5 g4



S6 b6 g2



S5 b6 g3 & s6 b6 g3



S6 b6 g4



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, **Inspection Date:** 05/17/2022

Maintenance Needs

Date Reported: 05/17/2012

Priority: C - Important

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

Status: Monitor

Component: Superstructure

Deficiency Description

Bearings are rusted with section loss and pack rust.

Majority of anchor bolts are missing at interior bents due to shimming bearings to level the deck.

Remarks



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, **Inspection Date:** 05/17/2022

Maintenance Needs

Date Reported: 05/21/2014

Priority: D- Routine

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

Status: Monitor

Component: Channel

Deficiency Description

Bents 3 and 4 have small drift buildup lodged on piles.

Remarks

Maintenance Needs

Date Reported: 05/24/2016

Priority: B - Pressing

Type of Work: Repair (General)

Status: Assigned

Component: Element

Deficiency Description

Anchor bolts are missing where shims are falling out.
Span 2 bent 3 bearing 3 shim is beginning to slide out.
Span 3 bent 4 bearing 2 shim plates are loose.
Span 3 bent 4 bearing 4 shim plate has fallen out.
Span 5 bent 6 bearing 3 shim is sliding out.
span 6 Bent 6 bearing 4 shims are shifting or out of place.

Remarks

to District Bridge Crew for review, but repairs not possible at this time - KAW 7/5/2018



S6 & s5 b6 g4



S6 & s5 b6 g3



S5 b6 g1



S3 b4 g4



S3 b4



S3 b4 g2



Span 2 bent 3 bearing 5



Span 3 bent 4 bearing 2 2019



Span 3 bent 4 bearing 4



Span 5 bent 6 bearing 3



S2 b3 g3



S3 b4 g2



S4 b4 g2



S3 b4 g4

Maintenance Needs

Date Reported: 05/31/2018

Priority: B - Pressing

Type of Work: Repair (General)

Status: Assigned

Component: Superstructure

Deficiency Description

Span 1 bent 2 girder 4 has a 7 1/2" x 2" hole in bottom of web 7" from end.

Span 6 bent 7 girder 3 has moderate section loss along bottom of web over bearing with a 2 in. x 1in hole in web near bottom flange 7 in. from end & a 3 in. x 1 in. hole in right flange 16 in. from end.

Remarks

to District Bridge Crew for review, but repairs not possible at this time - KAW 7/5/2018



S6 b7 g3



S1 b2 g4



Span 1 Bent 2 girder 4 2019



Span 7 bent 8 girder 3 2019





Span 6 bent 7 girder 3 2019



Span 1 Bent 2 girder 4



Span 6 bent 7 girder 3



Span 7 bent 8 girder 3 left



Span 7 bent 8 girder 3 right



Span 1 Bent 2 girder 4



Span 7 bent 8 girder 3 right



S1 b2 g4



S6 b7 g3

Maintenance Needs

Date Reported: 06/06/2022

Priority: A - Safety deficiency; requires prompt action

Status: Open

Type of Work: Repair (General)

Component: Superstructure

Deficiency Description

Span 7 bent 8 girder 3 has a 10" x 1" whole in bottom of web 16" from end of girder and a 5" diameter whole in left side of bottom flange and 3" x 1" whole in right side bottom flange.

Remarks



G3



G3



Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, **Inspection Date:** 05/17/2022

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	



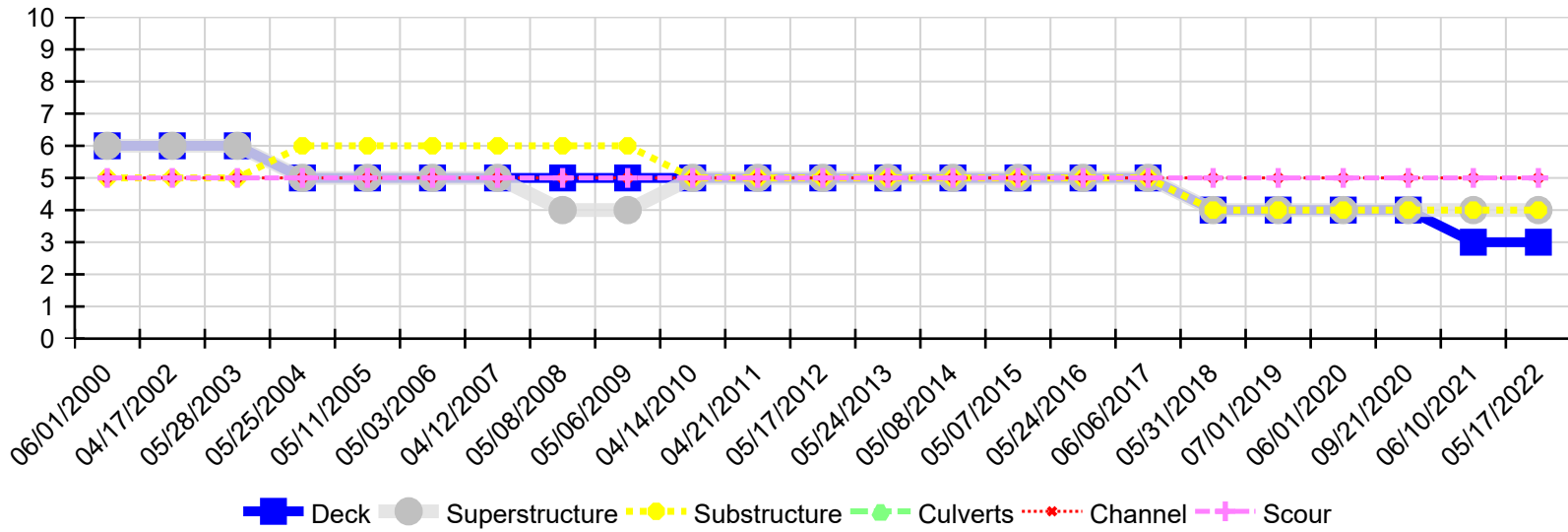
Asset #A2885(Routine, Underwater type 2)

SH 135-01- LM 2.67 over TYRONZA RIVER

Location: 2.43 M N JCT US 63 &SH135

Team Lead: Tim Myrick, Inspection Date: 05/17/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/17/2022	3	4	4	N	5	5
06/10/2021	3	4	4	N	5	5
09/21/2020	4	4	4	N	5	5
06/01/2020	4	4	4	N	5	5
07/01/2019	4	4	4	N	5	5
05/31/2018	4	4	4	N	5	5
06/06/2017	5	5	5	N	5	5
05/24/2016	5	5	5	N	5	5
05/07/2015	5	5	5	N	5	5
05/08/2014	5	5	5	N	5	5
05/24/2013	5	5	5	N	5	5
05/17/2012	5	5	5	N	5	5
04/21/2011	5	5	5	N	5	5
04/14/2010	5	5	5	N	5	5
05/06/2009	5	4	6	N	5	5
05/08/2008	5	4	6	N	5	5
04/12/2007	5	5	6	N	5	5
05/03/2006	5	5	6	N	5	5
05/11/2005	5	5	6	N	5	5
05/25/2004	5	5	6	N	5	5
05/28/2003	6	6	5	N	5	5
04/17/2002	6	6	5	N	5	5
06/01/2000	6	6	5	N	5	5