



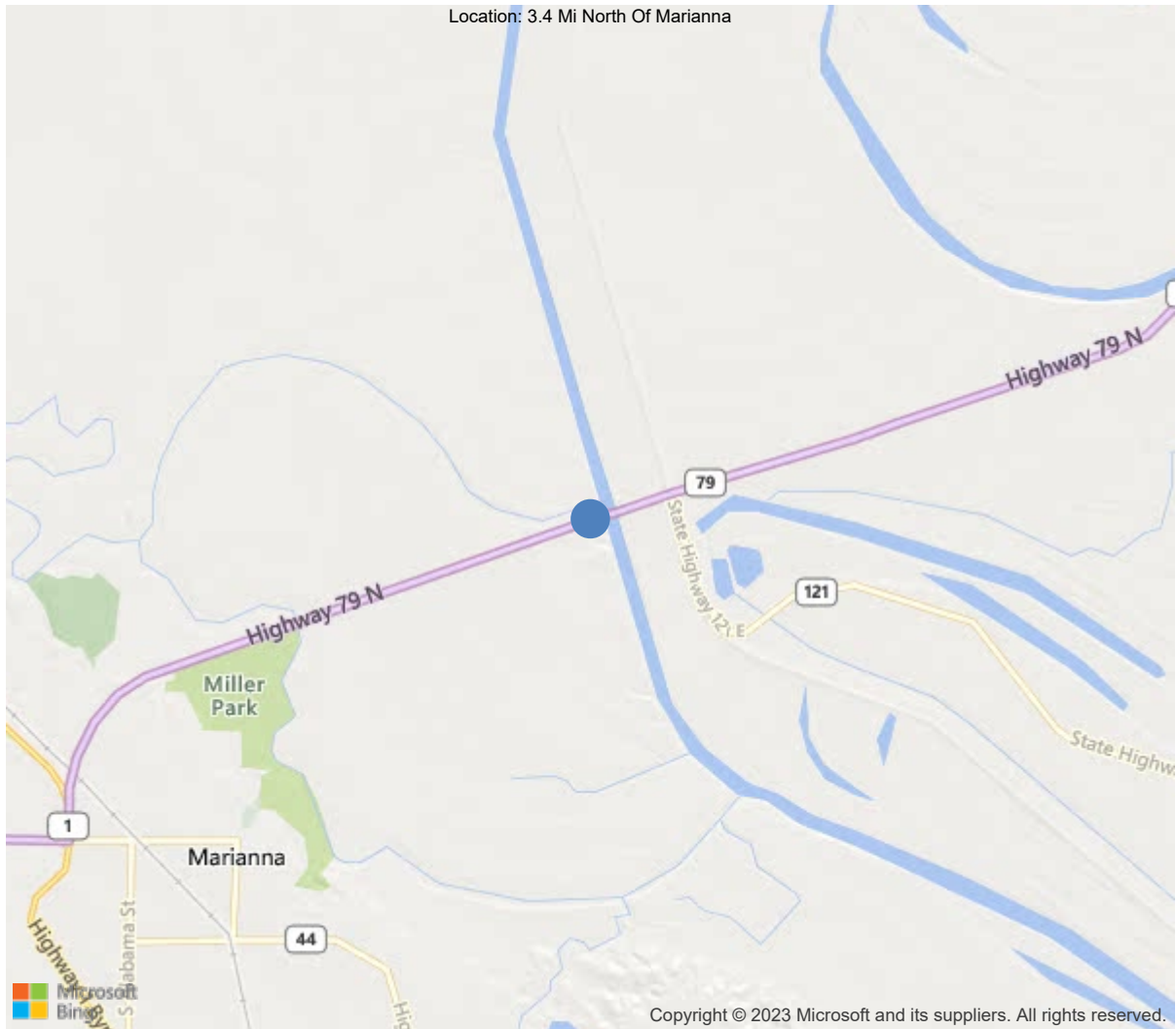
Latitude:34.79771, Longitude:-90.72612

Route:79 Section:16 Log:3.35

Arnold Road ID:39x79x16xA, Arnold Log mile:3.345

District 01, 77 - Lee County

Owner: 1 - State Highway Agency



34.79771, -90.72612



Asset #02900(Routine, Underwater type 2)
Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, Inspection Date: 09/02/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02900
(5) Inventory Route	1
(2) Highway Agency District	01 - District 01
(3) County Code	77 - Lee County
(4) Place Code	0
(6) Features Intersected	St.francis Div. Channel
(7) Facility Carried	Us79/Sec-16/L-3.35
(9) Location	3.4 Mi North Of Marianna
(11) Mile Point	3.35 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000079160
(16) Latitude	34.79771
(17) Longitude	-90.72612
(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	32
Material	3 - Steel
Type	2 - Stringer/Multi-beam or girder
(45) No. of Spans in Main Unit	8
(46) No. of Approach Spans	8
(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	1957
(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	2100
(30) Year of ADT	2018
(109) Truck ADT	18 %
(19) Bypass, Detour Length	14 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	90 ft
(49) Structure Length	964 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	27.5 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	1
(26) Functional Class	2 - Rural Principal 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	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	6
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	52
(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	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	1004 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 235
(96) Total Project Cost	\$ 2333
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	2300
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date	09/02/2021		
(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.			



Asset #02900(Routine, Underwater type 2)

District: 01, County: 77 - Lee County

Team Lead: Myron Futrell, Inspection Date: 09/02/2021

General Observation

Dirt and debris in gutters.

59 - Superstructure (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

9/8/2021-Lowered superstructure from 6 to 5 due to corrosion and section loss at girder ends.

A-46 - Asset Files

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Asset #02900(Routine, Underwater type 2)

Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, Inspection Date: 09/02/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
<p>Deck all spans have areas of moderate scaling on most previous patches with no loss aggregate. Deck soffit overhangs have hairline transverse cracks spaced 1' apart some with light efflorescence. Deck span #6 has 168 square feet of sound repaired areas and 6 square feet of unsound repaired areas. Deck span #6 left lane has two 2' foot spalls, two 1 foot spalls, a 1 foot by 3 foot and a 2 foot spall with rebar exposed. Deck span #6 left lane has five 1 foot spalls with no exposed rebar. Deck span #6 right lane has 3 one foot shallow spalls with no exposed rebar. Span #6 bay #2 soffit at 2/3 span has 5' of rebar exposed due to poor concrete coverage. Span #6 right soffit overhang has several small spalls with exposed rebar 10' total. Span #7 deck has 262 square feet of sound repaired areas and 52 square feet of unsound repairs. Deck span #7 left lane has a 2 foot spall with exposed rebar and two 1' spalls with no exposed rebar. Deck span #7 right lane has two 1' shallow spalls with no exposed rebar. Span #7 right soffit overhang has several small spalls with exposed rebar 10' total. Span #7 bay #3 has 3 one foot shallow spalls with no exposed rebar. Deck span #8 has 132 square feet of sound repaired areas. and 76 square feet of unsound repairs. Deck span #8 left lane has a 3 foot by 1 foot shallow spall with exposed rebar and five 1 foot spall with no exposed rebar. Deck span #8 right lane has three 1 foot shallow spalls with no exposed rebar. Span #8 bay #2 soffit has two 1' spall at 1/4 span with exposed rebar with 20% section loss. Span #8 bay #3 soffit has two 1' spalls and a 2' spall with rebar exposed with 5% section loss. Span #8 bay #3 has form left in place near bent #9. Span #9 deck has 186 square feet of sound repaired areas and 159 square feet of unsound repaired area. Deck span #9 right lane has a 1 foot shallow spall with no exposed rebar. Deck span #9 has a 2 foot, and five 1 foot shallow spalls near centerline no exposed rebar. Deck span #9 left lane has three 1 foot spalls and a 1 foot by 2 foot shallow spall with no exposed rebar and a 2 foot by 3 foot and 2 foot by 2 foot shallow spall with exposed rebar. Span #9 bay #1 soffit has 1 form left in place. Span #9 bay #1 has two 1' delaminations and a 1' spall with exposed rebar with no section loss. Span #9 bay #2 soffit has a 2' delamination at 1/4 span and 1' spall with exposed rebar at half span. Span #9 bay #3 soffit has 2' of small spalls with rebar exposed with 5% section loss. Span #10 deck has 106 square feet of sound repaired areas and 65 square feet of unsound repairs. Span #10 deck left lane has a 2 foot shallow spall with no exposed rebar. Span #10 deck has four 1 foot shallow spalls with no exposed rebar Span #10 soffit bay one has one foot spall with exposed rebar. Span #10 bay #2 soffit has two two foot spalls with exposed rebar. Span #10 bay #3 has one form left in place. Span #10 soffit overhangs have small pop off spalls with exposed rebar with 10% section loss, ten feet total. Span #11 deck has 140 square feet of sound repaired areas. Span #11 bay #1 soffit has 1 form left in place. Span #11 bay #3 soffit has two 2' spalls and two 1' spalls with exposed rebar. Span #11 bay #3 soffit has 1 form left in place. Span #11 soffit overhangs have small pop off spalls with exposed rebar 80' total.</p>							
107	Steel Open Girder/Beam	LF	3856	1	3583	255	17
1000	Corrosion	LF	3855	0	3583	255	17
515	Steel Protective Coating	SF	31955	0	13281	12284	6390
3420	Peeling/Bubbling/Cracking	LF	1000	0	1000	0	0
3440	Effectiveness (Steel Protective Coatings)	LF	30955	0	12281	12284	6390



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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
<p>(107) All girders have areas of surface full length with 20% bare steel with rest of paint having moderate to limited Effectiveness. All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted. Span #1 girder #3 has corrosion with 75% section loss in web at haunch at bent #2. Span #2 bent #2 girders #2, 3 are floating. Span #2 paint on girders have areas of peeling. Span #2 girder #1 has corrosion with 75% section loss in web at haunch at bent #3 and out of plane bending. Span #2 girder #3 at bent #3 has a 2" long hole corroded in web at haunch. Span #3 girders #1 and 4 have out of plane bending at in web at haunch area. Span #3 girders #2 and 3 have up 70% section loss at haunch. Span #3 girder #3 at bent #4 has a six inch long hole in web at haunch. Span #4 girders #2, 3 are floating. Span #13 bent #13 girder #3 at haunch has a two inch hole with a three inch crack extending out of it. Span #13 bent #14 girders #2 and 3 have scaly rust on bottom flange and lower web last three feet. Span #14 bent #14 girder #2 has a four inch long hole at haunch. Span #14 bent #14 girder #3 has a four inch long hole at haunch. Span #14 girders have scaly rust on bottom flange and lower web first three feet. Bent #15 span #14 girder #2, 3 are floating. Span #15 bent #15 girder #2 has a one inch long hole at haunch. Span #15 bent #15 girder #3 has a three inch long hole with a one and a half inch crack extending out of it at haunch. Span #15 bent #15 first three feet of girders have scaly rust on bottom flange and lower web. Bent #16 span #15 girder #2 is floating. Span #16 bent #16 girder #3 has one inch hole with a one inch crack extending out of it at haunch. Span #16 bent #16 girder #4 has a two inch hole in web and web bowing outward at haunch. Span #16 bent #16 girders #1, 2 and 4 have scaly rust on bottom flange and lower web first three feet.</p> <p>All girders have areas of surface full length with 20% bare steel with rest of paint having moderate to limited effectiveness. All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted. Span #5 girders #2 and 3 have small notch in web at expansion dam haunch. Span #12 girder #2 bent #12 one inch hole in web at haunch. Span #12 girder #3 bent #12 one inch hole in web at haunch. Span #12 girder #4 bent #12 two inch hole in web at diaphragm connection with out of plane bending at web. All girders have areas of surface full length with 20% bare steel with rest of paint having moderate to limited effectiveness. All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted. Span #7 bent #8 girders #2,3,4 last six feet of girder bottom flange and lower web has scaly rust with less than 5% section loss. Span #8 bent #9 girders have up to 75% section loss at haunch. Span #11 bent #11 girder #4 has area of corrosion with 50% section loss at diaphragm connection and at haunch area.</p>							
205	Reinforced Concrete Column	EA	21	1	0	20	0
1090	Exposed Rebar	EA	8	0	0	8	0
1130	Cracking (RC and Other)	EA	12	0	0	12	0

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, **Inspection Date:** 09/02/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(205) Bent #2 right column has several cracks and two foot delamination on left side. Bent #2 left column back face has vertical crack half way up. Bent #3 left column has vertical cracking on left and right side near back corner. Bent #3 right column cracked for two feet left front corner. Bent #4 right column left and right sides have vertical cracks, ahead face has two foot delamination and spall with no exposed rebar. Bent #4 left column right side has vertical wide cracks and 5' of spalling with exposed rebar with 30% section loss Bent #14 right column has wide vertical cracks on back face full height Bent #15 both columns have 1/4" vertical cracks on back face both corners full height and delaminations near top. Bent #16 columns have vertical cracks with delaminations near corners. Bent #16 right column left side has 2' spall with exposed rebar with 20% section loss. Bent #5 front face has 6' of spalls at center 6' from ground with exposed rebar with 15% section loss.							
Bent #8 front face is spalled and delaminated with exposed rebar left and right sides 2/3 of the way up under girder #2. Bent #9 right side of back face column has 10' of spalls with exposed rebar with 50% section loss. Bent #9 column front face left side has 2' spall with exposed rebar with 10% section loss , crack, and delamination. Bent #10 front face right corner of column is cracked near top. Bent #10 ahead face left side has two feet of exposed rebar at construction joint.							
215	Reinforced Concrete Abutment	LF	72	52	20	0	0
1130	Cracking (RC and Other)	LF	20	0	20	0	0
(215) Abutment #1 cap has horizontal crack under girder #2 10' long. Abutment #2 cap has longitudinal crack under girder #2,3.							
220	Reinforced Concrete Pile Cap/Footing	LF	69	0	69	0	0
6000	Scour	LF	69	0	69	0	0
(220) Bents #8, 9,10 have 1 – 2' of footings exposed with previous repair with rip rap failing.							
234	Reinforced Concrete Pier Cap	LF	405	51	27	327	0
1080	Delamination/Spall/Patched Area	LF	48	0	4	44	0
1090	Exposed Rebar	LF	110	0	0	110	0
1130	Cracking (RC and Other)	LF	196	0	23	173	0
(234) Bent #2 cap bottom face has 3' of delaminations one 2' spall, a 1' x 4' spall, a 1' x 2' spall, a 1', a 3' long spall and a 2' x 2' spall with exposed rebar with 20% section loss. Bent #2 cap back face left side has 2' spall with exposed rebar with up to 100% section loss. Bent #2 cap back face in center has 5'spall at bottom with exposed rebar 10% section loss. Bent #2 cap near top between girders #2 and 3 and under girder #3 has horizontal crack 2' each, 4 ` spall with exposed rebar with 30% section loss. Bent #2 cap ahead face right half has 12' feet of horizontal cracking near top, 12 ` of spalling with exposed rebar with up to 100% section loss. Bent #3 cap back face has open horizontal crack at top between girders #1 and 4 and has a 4' and 2' spalls on bottom face with exposed rebar with up to 100% section loss. Bent #3 cap right end top corner spalled off with exposed rebar with 20% section loss. Bent #3 cap back face has 1' spall with exposed rebar above column #1 with 5% section loss Bent #3 cap front face has open horizontal crack three fourths length of cap 6" down from top. Bent #3 cap front face right corner has 2'long full height spall with exposed rebar with 20% section loss extending to the edge of span #3 girder #4 bearing and a one foot spall with exposed rebar with 20% section loss between girders #3 and 4. Bent #3 cap ahead face has fifteen feet of delamination. Bent #4 cap right end top right corner, back face spalled for two feet with exposed rebar with 50% section loss. Bent #4 cap back face has fifteen feet of delamination. Bent #4 cap back face is cracked at top, and has several spalls 6' on bottom chord with exposed rebar section loss up to 100%. Bent #4 cap ahead face is cracked at top, with fifteen feet of delamination and four feet of spalling with exposed rebar with 50% section loss.							

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	<p>Bent #4 cap bottom face has eight feet of spalling with exposed rebar with up to 100% section loss.</p> <p>Bent #13 cap back face has two 2' spalls with exposed rebar with 30% section loss.</p> <p>Bent #13 cap right end both corners spalled with exposed rebar.</p> <p>Bent #13 cap back face has 15' of wide cracking horizontally near top.</p> <p>Bent #14 cap back face has longitudinal cracks near top and bottom.</p> <p>Bent #14 cap back face has 1' spall above column #2 with exposed rebar with 5% section loss.</p> <p>Bent #14 cap back face has delaminations full length and 3' spall in center bottom corner with exposed rebar with 20% section loss.</p> <p>Bent #14 cap front face has longitudinal crack near top and a 1' spall above column #1 with exposed rebar with 5% section loss.</p> <p>Bent #15 cap bottom chord has 6' spall with exposed rebar with up to 100% section loss.</p> <p>Bent #15 cap back face has horizontal wide crack 3/4 length of cap near top.</p> <p>Bent #15 cap front face has wide cracks, and delaminations full length with a 5' spall in center at bottom with exposed rebar with section loss.</p> <p>Bent #16 cap back face has open horizontal wide crack full length 6" from top 3/4 length of cap with one 1' and two 2' spalls above column #1 with exposed rebar with 30% section loss.</p> <p>Bent #16 cap back face has 1' spall on left corner with rebar exposed with 5% section loss.</p> <p>Bent #16 cap on ahead face right end, and top spalled last two feet with exposed rebar with 30% section loss.</p>						
	<p>Bent #5 cap back face has 6' long spall with exposed rebar with 20% section loss at top corner between girders #3 and 4, right end spalled with exposed rebar.</p> <p>Bent #5 cap back face has open horizontal crack at top, spalls with exposed rebar with 20% section loss, and large delaminations.</p> <p>Bent #5 cap back face has 2' spall below girder #1 and a 3' spall below girder #2 with exposed rebar with 5% section loss.</p> <p>Bent #5 cap front face has horizontal crack near top full length of cap, and a 2' spall with exposed rebar with 15% section loss and 15' of delamination.</p> <p>Bent #12 cap back face has longitudinal wide horizontal crack full length near top and vertical cracks and delaminations at top.</p> <p>Bent #12 cap back face left side under girder #1 has two foot spall with exposed rebar with 25% section loss.</p> <p>Bent #12 cap back face has graffiti.</p> <p>Bent #12 cap front face has 1' spall under girder #3 and longitudinal crack near top.</p>						
	<p>Bent #6 cap front face has open horizontal crack at top full length.</p> <p>Bent #6 cap ahead face has a three foot spall with exposed rebar under girder #2 and two one foot spalls with exposed rebar under girder #3 with 15% section loss.</p> <p>Bent #6 cap ahead face has twenty feet of delamination.</p> <p>Bent #6 cap back face right side at step has 2' spall with exposed rebar with 5% section loss, left side has six inch spall with exposed rebar.</p> <p>Bent #7 cap back face has 1' spall under girder #2 with exposed rebar 5% section loss.</p> <p>Bent #7 cap back face has open horizontal crack at top full length.</p> <p>Bent #7 cap back face both corners are spalled with exposed rebar with 10% section loss.</p> <p>Bent #7 cap ahead face is cracked full length 6"-8' from top.</p> <p>Bent #7 cap ahead face spalled at top for six feet under girder #4 with exposed rebar with 20% section loss, with two foot delamination under girder #4.</p> <p>Bent #7 cap right end is spalled for one foot with exposed rebar with up to 100% section loss.</p> <p>Bent #8 cap back face has vertical hairline crack and center line.</p> <p>Bent #8 cap ahead face has one foot spall with exposed rebar with 75% section loss.</p> <p>Bent #8 cap back face under girder #3 has 2' spall with exposed rebar with 100% section loss.</p> <p>Bent #9 cap ahead face right side has two feet of cracking with light efflorescence.</p> <p>Bent #10 cap back face has a 4' spall and one 1' spall with exposed rebar with 50% section loss.</p> <p>Bent #10 cap back face has 2' delamination under girder #4.</p> <p>Bent #10 cap back face between girders #1 and 2 has three feet of horizontal cracking with rust staining near top.</p> <p>Bent #10 cap front face under girder #2 has a 1' spall with exposed rebar with 40% section loss.</p> <p>Bent #10 cap ahead face has one foot delamination and narrow vertical crack at center line.</p> <p>Bent #11 cap back face has longitudinal wide crack for 8' and vertical hairline cracks.</p> <p>Bent #11 front face has 1' spall with rebar exposed under girder #3, and cracked near top for six feet each side near top.</p>						



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Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, Inspection Date: 09/02/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
301	Pourable Joint Seal	LF	32	0	0	16	16
2310	Leakage	LF	32	0	0	16	16
(301) Bent #5 road iron has been removed and replaced with pourable seal that has failed.							
304	Open Expansion Joint	LF	28	28	0	0	0
305	Assembly Joint without Seal	LF	448	28	416	0	4
2370	Metal Deterioration or Damage	LF	420	0	416	0	4
(305) All assembly joints have surface rust full length with no paint and little to no section loss. Bent #3 joint has been removed now open joint no seal Bent #14 joint steel at center line has 4' removed with no seal. All assembly joints have surface rust full length with no paint and little to no section loss. Bent #13 joint iron has four foot removed in center. All assembly joints have surface rust full length with no paint and little to no section loss.							
311	Movable Bearing	EA	64	0	32	32	0
1000	Corrosion	EA	64	0	32	32	0
515	Steel Protective Coating	SF	128	0	0	32	96
3440	Effectiveness (Steel Protective Coatings)	EA	128	0	0	32	96
(311) All bearings on outside girders have rust with laminations and section loss up to 10% with no paint. All bearings on inside girders have surface rust with 50% bare steel with little to no section loss. Span #14 girder #3 bearing is twisted under girder. All bearings on outside girders have rust with laminations and section loss up to 10% with no paint. All bearings on inside girders have surface rust with 50% bare steel with little to no section loss. All bearings on outside girders have rust with laminations and section loss up to 10% with no paint. All bearings on inside girders have surface rust with 50% bare steel with little to no section loss. Bent #7 span #7 girders #2 and 3 each have loose bearing to girder bolt. Bent #9 span #9 bearing #1,2,3,4 are all shimmed with pack rust between cap and masonry plate. Bent #10 span #10 bearing #4 right side tab for bolt to girder is cracked. Bent #11 span #10 bearing #3 right anchor nut rusted off. Bent #11 span #10 bearing #1 left pivot bolt is missing. Span #11 bent #11 bearing #3 bolt to bearing on right side backed out. Span #11 bent #12 bearings #2,3,4 anchor nuts are rusted off.							
313	Fixed Bearing	EA	64	0	32	32	0
1000	Corrosion	EA	64	0	32	32	0
515	Steel Protective Coating	SF	128	0	0	32	96
3440	Effectiveness (Steel Protective Coatings)	EA	128	0	0	32	96

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
<p>(313) All bearings on outside girders have rust with laminations and section loss up to 10% with no paint. All bearings on inside girders have surface rust with 50% bare steel with little to no section loss. Span #2 bent #2 girder #1 anchor bolt backed out.</p> <p>All bearings on outside girders have rust with laminations and section loss up to 10% with no paint. All bearings on inside girders have surface rust with 50% bare steel with little to no section loss. Span #7 bent #7 bearing #2 has one bearing to girder bolt loose. Span #7 bent #7 bearing #3 has one bearing to girder bolt loose. Span #7 bent #7 bearing #4 has all four bearing to girder bolts loose. Bent #8 span #8 bearing #4 left anchor nut is loose. Bent #9 span #8 bearing #2 has 1 girder to bearing bolt loose. Bent #9 span #8 bearing #4 is shimmed with pack rust between cap and masonry plate.</p>							
330	Metal Bridge Railing	LF	1928	0	1928	0	0
1000	Corrosion	LF	1928	0	1928	0	0
515	Steel Protective Coating	SF	5784	0	0	0	5784
3440	Effectiveness (Steel Protective Coatings)	LF	5784	0	0	0	5784
<p>(330) Bridge rail has surface rust both side with no section loss. Abutment #1 right monument post, back face has exposed rebar due to poor concrete coverage. Abutment #2 left monument post cracked and spalled with no exposed rebar. Span #15 left side 5th rail rail post spalled with exposed rebar. Span #16 3rd rail post left side spalled with exposed rebar. Bridge rail has surface rust both side with no section loss. Bridge rail has surface rust both side with no section loss.</p>							



Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	26510	20068	5853	589	0
1080	Delamination/Spall/Patched Area	SF	1841	0	1418	423	0
1090	Exposed Rebar	SF	186	0	20	166	0
1120	Efflorescence/Rust Staining	SF	1762	0	1762	0	0
1130	Cracking (RC and Other)	SF	2653	0	2653	0	0

(12) Deck all spans have sealed and unsealed transverse cracks that are space 4' apart.
 Deck all spans have areas of moderate scaling on most previous patches with no loss aggregate.
 Deck span #1 has 1' x 2' shallow spall in right lane.
 Deck span #2 has 15 square feet of sound repaired area.
 Deck span #2 has 2 square feet of unsound repairs and 2' shallow spall at right gutter.
 Span #2 bay #3 soffit has form left in place.
 Span #2 bay #3 soffit has 1' delamination and 1' spall with exposed rebar.
 Span #2 left and right soffit overhang has 1' spall at mid span with rebar exposed with 15% section loss.
 Deck span #3 has 136 square feet of sound repaired area.
 Deck span #3 has a 1 square foot spall, a 1 foot by 2 foot shallow spall at centerline and two 2 foot shallow spalls in right lane.
 Deck span #4 has 6 square feet of sound repairs.
 Deck span #4 right lane has 1 foot shallow spall in right lane at bent #5.
 Span #3 bay #1 soffit has 1' spall with exposed rebar with 5% section loss.
 Span #3 bay #2 soffit has 1 form left in place.
 Span #3 bay #3 soffit has 1 form, several delaminations, and two 1' spalls with exposed rebar with 5% section loss.
 Span #1 right soffit overhang has four one foot spalls with exposed rebar with 20% section loss and four repaired areas at rail posts.
 Deck span #4 has 6 square feet of sound repaired area.
 Span #4 soffit overhang on right has 8' of spalls with exposed rebar with 25% section loss.
 Deck span #13 has 14 square feet of sound repaired areas, a 2' x 3' shallow spall in right lane and several 6"-1' spalls.
 Span #13 soffit bay #3 has five 1' spalls with exposed rebar with 5% section loss.
 Span #13 right soffit overhang has two 2' delaminations and a 1' spall at drain with exposed rebar with 20% section loss.
 Deck span #14 right lane mid span right side has two 1' spalls with no rebar exposed, left lane has a two 1' foot and two 2' shallow spalls with no exposed rebar.
 Deck span #14 has 44 square feet of sound repaired areas.
 Deck span #15 has eight square feet of sound repaired area.
 Span #15 soffit at bent #15 right overhang has 2' spall with exposed rebar with 40% section loss.
 Deck span #16 has 22 square feet of sound repaired areas and a 1' shallow spall with no exposed rebar.
 Span #16 right soffit overhang has three one foot spalls with exposed rebar with 20% section loss and two one foot delaminations.
 Deck all spans have sealed and unsealed transverse cracks that are space 4' apart.
 Deck all spans have areas of moderate scaling on most previous patches with no loss aggregate.
 Deck soffit overhangs have hairline transverse cracks spaced 1' apart some with light efflorescence
 Deck soffit span #5 left side has 5 small spalls with exposed rebar.
 Deck soffit span #5 right side has 9 small spalls with exposed rebar.
 Deck span #5 left lane has three 1' shallow spalls and one 2 foot shallow spalls with no exposed rebar.
 Deck span #5 right lane has seven 1 foot and one 3 foot by 2 foot shall spalls with no exposed rebar.
 Deck span #5 has 87 square feet of sound and 6 square feet of unsound repaired areas.
 Deck span #12 has 180 square feet of sound repaired areas.
 Span #12 deck has 3 two foot diameter shallow spalls and 6 one foot shallow spalls with exposed rebar.
 Span #12 bay #1 has 1' spall with exposed rebar with 10% section loss.
 Span #12 bay #2 soffit has two 2' spalls with rebar exposed.
 Span #12 bay #2 soffit has 1 form left in place.
 Span #12 bay #3 soffit has 1 form left in place.
 Span #12 right soffit overhang at ¾ span has 1' delamination.
 Deck all spans have sealed and unsealed transverse cracks that are space 4' apart.
 Deck all spans have areas of moderate scaling on most previous patches with no loss aggregate.
 Deck soffit overhangs have hairline transverse cracks spaced 1' apart some with light efflorescence.
 Deck span #6 has 168 square feet of sound repaired areas and 6 square feet of unsound repaired areas.
 Deck span #6 left lane has two 2' foot spalls, two 1 foot spalls, a 1 foot by 3 foot and a 2 foot spall with rebar exposed.

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, **Inspection Date:** 09/02/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Deck span #6 left lane has five 1 foot spalls with no exposed rebar.						
	Deck span #6 right lane has 3 one foot shallow spalls with no exposed rebar.						
	Span #6 bay #2 soffit at 2/3 span has 5' of rebar exposed due to poor concrete coverage.						
	Span #6 right soffit overhang has several small spalls with exposed rebar 10' total.						
	Span #7 deck has 262 square feet of sound repaired areas and 52 square feet of unsound repairs.						
	Deck span #7 left lane has a 2 foot spall with exposed rebar and two 1' spalls with no exposed rebar.						
	Deck span #7 right lane has two 1' shallow spalls with no exposed rebar.						
	Span #7 right soffit overhang has several small spalls with exposed rebar 10' total.						
	Span #7 bay #3 has 3 one foot shallow spalls with no exposed rebar.						
	Deck span #8 has 132 square feet of sound repaired areas. and 76 square feet of unsound repairs.						
	Deck span #8 left lane has a 3 foot by 1 foot shallow spall with exposed rebar and five 1 foot spall with no exposed rebar.						
	Deck span #8 right lane has three 1 foot shallow spalls with no exposed rebar.						
	Span #8 bay #2 soffit has two 1' spall at ¼ span with exposed rebar with 20% section loss.						
	Span #8 bay #3 soffit has two 1' spalls and a 2' spall with rebar exposed with 5% section loss.						
	Span #8 bay #3 has form left in place near bent #9.						
	Span #9 deck has 186 square feet of sound repaired areas and 159 square feet of unsound repaired area.						
	Deck span #9 right lane has a 1 foot shallow spall with no exposed rebar.						
	Deck span #9 has a 2 foot, and five 1 foot shallow spalls near centerline no exposed rebar.						
	Deck span #9 left lane has three 1 foot spalls and a 1 foot by 2 foot shallow spall with no exposed rebar and a 2 foot by 3 foot and 2 foot by 2 foot shallow spall with exposed rebar.						
	Span #9 bay #1 soffit has 1 form left in place.						
	Span #9 bay #1 has two 1' delaminations and a 1' spall with exposed rebar with no section loss.						
	Span #9 bay #2 soffit has a 2' delamination at ¼ span and 1' spall with exposed rebar at half span.						
	Span #9 bay #3 soffit has 2' of small spalls with rebar exposed with 5% section loss.						
	Span #10 deck has 106 square feet of sound repaired areas and 65 square feet of unsound repairs.						
	Span #10 deck left lane has a 2 foot shallow spall with no exposed rebar.						
	Span #10 deck has four 1 foot shallow spalls with no exposed rebar						
	Span #10 soffit bay one has one foot spall with exposed rebar.						
	Span #10 bay #2 soffit has two two foot spalls with exposed rebar.						
	Span #10 bay #3 has one form left in place.						
	Span #10 soffit overhangs have small pop off spalls with exposed rebar with 10% section loss, ten feet total.						
	Span #11 deck has 140 square feet of sound repaired areas.						
	Span #11 bay #1 soffit has 1 form left in place.						
	Span #11 bay #3 soffit has two 2' spalls and two 1' spalls with exposed rebar.						
	Span #11 bay #3 soffit has 1 form left in place.						
	Span #11 soffit overhangs have small pop off spalls with exposed rebar 80' total.						



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	3856	1	3583	255	17
1000	Corrosion	LF	3855	0	3583	255	17
515	Steel Protective Coating	SF	31955	0	13281	12284	6390
3420	Peeling/Bubbling/Cracking	LF	1000	0	1000	0	0
3440	Effectiveness (Steel Protective Coatings)	LF	30955	0	12281	12284	6390

(107) All girders have areas of surface full length with 20% bare steel with rest of paint having moderate to limited Effectiveness.
All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted.
Span #1 girder #3 has corrosion with 75% section loss in web at haunch at bent #2.
Span #2 bent #2 girders #2, 3 are floating.
Span #2 paint on girders have areas of peeling.
Span #2 girder #1 has corrosion with 75% section loss in web at haunch at bent #3 and out of plane bending.
Span #2 girder #3 at bent #3 has a 2" long hole corroded in web at haunch.
Span #3 girders #1 and 4 have out of plane bending at in web at haunch area.
Span #3 girders #2 and 3 have up 70% section loss at haunch.
Span #3 girder #3 at bent #4 has a six inch long hole in web at haunch.
Span #4 girders #2, 3 are floating.
Span #13 bent #13 girder #3 at haunch has a two inch hole with a three inch crack extending out of it.
Span #13 bent #14 girders #2 and 3 have scaly rust on bottom flange and lower web last three feet.
Span #14 bent #14 girder #2 has a four inch long hole at haunch.
Span #14 bent #14 girder #3 has a four inch long hole at haunch.
Span #14 girders have scaly rust on bottom flange and lower web first three feet.
Bent #15 span #14 girder #2, 3 are floating.
Span #15 bent #15 girder #2 has a one inch long hole at haunch.
Span #15 bent #15 girder #3 has a three inch long hole with a one and a half inch crack extending out of it at haunch.
Span #15 bent #15 first three feet of girders have scaly rust on bottom flange and lower web.
Bent #16 span #15 girder #2 is floating.
Span #16 bent #16 girder #3 has one inch hole with a one inch crack extending out of it at haunch.
Span #16 bent #16 girder #4 has a two inch hole in web and web bowing outward at haunch.
Span #16 bent #16 girders #1, 2 and 4 have scaly rust on bottom flange and lower web first three feet.

All girders have areas of surface full length with 20% bare steel with rest of paint having moderate to limited effectiveness.
All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted.
Span #5 girders #2 and 3 have small notch in web at expansion dam haunch.
Span #12 girder #2 bent #12 one inch hole in web at haunch.
Span #12 girder #3 bent #12 one inch hole in web at haunch.
pan #12 girder #4 bent #12 two inch hole in web at diaphragm connection with out of plane bending at web.
All girders have areas of surface full length with 20% bare steel with rest of paint having moderate to limited effectiveness.
All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted.
Span #7 bent #8 girders #2,3,4 last six feet of girder bottom flange and lower web has scaly rust with less than 5% section loss.
Span #8 bent #9 girders have up to 75% section loss at haunch.
Span #11 bent #11 girder #4 has area of corrosion with 50% section loss at diaphragm connection and at haunch area.

59 - Superstructure (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

Comment: 9/8/2021-Lowered superstructure from 6 to 5 sue to corrosion and section loss at girder ends.

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	21	1	0	20	0
1090	Exposed Rebar	EA	8	0	0	8	0
1130	Cracking (RC and Other)	EA	12	0	0	12	0
<p>(205) Bent #2 right column has several cracks and two foot delamination on left side. Bent #2 left column back face has vertical crack half way up. Bent #3 left column has vertical cracking on left and right side near back corner. Bent #3 right column cracked for two feet left front corner. Bent #4 right column left and right sides have vertical cracks, ahead face has two foot delamination and spall with no exposed rebar. Bent #4 left column right side has vertical wide cracks and 5' of spalling with exposed rebar with 30% section loss Bent #14 right column has wide vertical cracks on back face full height Bent #15 both columns have 1/4" vertical cracks on back face both corners full height and delaminations near top. Bent #16 columns have vertical cracks with delaminations near corners. Bent #16 right column left side has 2' spall with exposed rebar with 20% section loss. Bent #5 front face has 6' of spalls at center 6' from ground with exposed rebar with 15% section loss.</p> <p>Bent #8 front face is spalled and delaminated with exposed rebar left and right sides 2/3 of the way up under girder #2. Bent #9 right side of back face column has 10' of spalls with exposed rebar with 50% section loss. Bent #9 column front face left side has 2' spall with exposed rebar with 10% section loss , crack, and delamination. Bent #10 front face right corner of column is cracked near top. Bent #10 ahead face left side has two feet of exposed rebar at construction joint.</p>							
215	Reinforced Concrete Abutment	LF	72	52	20	0	0
1130	Cracking (RC and Other)	LF	20	0	20	0	0
<p>(215) Abutment #1 cap has horizontal crack under girder #2 10' long. Abutment #2 cap has longitudinal crack under girder #2,3.</p>							
220	Reinforced Concrete Pile Cap/Footing	LF	69	0	69	0	0
6000	Scour	LF	69	0	69	0	0
(220) Bents #8, 9,10 have 1 – 2' of footings exposed with previous repair with rip rap failing.							
234	Reinforced Concrete Pier Cap	LF	405	51	27	327	0
1080	Delamination/Spall/Patched Area	LF	48	0	4	44	0
1090	Exposed Rebar	LF	110	0	0	110	0
1130	Cracking (RC and Other)	LF	196	0	23	173	0
<p>(234) Bent #2 cap bottom face has 3' of delaminations one 2' spall, a 1' x 4' spall, a 1' x 2' spall, a 1', a 3' long spall and a 2' x 2' spall with exposed rebar with 20% section loss. Bent #2 cap back face left side has 2' spall with exposed rebar with up to 100% section loss. Bent #2 cap back face in center has 5'spall at bottom with exposed rebar 10% section loss. Bent #2 cap near top between girders #2 and 3 and under girder #3 has horizontal crack 2' each, 4 ' spall with exposed rebar with 30% section loss. Bent #2 cap ahead face right half has 12' feet of horizontal cracking near top, 12 ' of spalling with exposed rebar with up to 100% section loss. Bent #3 cap back face has open horizontal crack at top between girders #1 and 4 and has a 4' and 2' spalls on bottom face with exposed rebar with up to 100% section loss. Bent #3 cap right end top corner spalled off with exposed rebar with 20% section loss. Bent #3 cap back face has 1' spall with exposed rebar above column #1 with 5% section loss Bent #3 cap front face has open horizontal crack three fourths length of cap 6" down from top. Bent #3 cap front face right corner has 2'long full height spall with exposed rebar with 20% section loss extending to the edge of span #3 girder #4 bearing and a one foot spall with exposed rebar with 20% section loss between girders #3 and 4.</p>							

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, **Inspection Date:** 09/02/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	<p>Bent #3 cap ahead face has fifteen feet of delamination.</p> <p>Bent #4 cap right end top right corner, back face spalled for two feet with exposed rebar with 50% section loss.</p> <p>Bent #4 cap back face has fifteen feet of delamination.</p> <p>Bent #4 cap back face is cracked at top, and has several spalls 6' on bottom chord with exposed rebar section loss up to 100%.</p> <p>Bent #4 cap ahead face is cracked at top, with fifteen feet of delamination and four feet of spalling with exposed rebar with 50% section loss.</p> <p>Bent #4 cap bottom face has eight feet of spalling with exposed rebar with up to 100% section loss.</p> <p>Bent #13 cap back face has two 2' spalls with exposed rebar with 30% section loss.</p> <p>Bent #13 cap right end both corners spalled with exposed rebar.</p> <p>Bent #13 cap back face has 15' of wide cracking horizontally near top.</p> <p>Bent #14 cap back face has longitudinal cracks near top and bottom.</p> <p>Bent #14 cap back face has 1' spall above column #2 with exposed rebar with 5% section loss.</p> <p>Bent #14 cap back face has delaminations full length and 3' spall in center bottom corner with exposed rebar with 20% section loss.</p> <p>Bent #14 cap front face has longitudinal crack near top and a 1' spall above column #1 with exposed rebar with 5% section loss.</p> <p>Bent #15 cap bottom chord has 6' spall with exposed rebar with up to 100% section loss.</p> <p>Bent #15 cap back face has horizontal wide crack 3/4 length of cap near top.</p> <p>Bent #15 cap front face has wide cracks, and delaminations full length with a 5' spall in center at bottom with exposed rebar with section loss.</p> <p>Bent #16 cap back face has open horizontal wide crack full length 6" from top 3/4 length of cap with one 1' and two 2' spalls above column #1 with exposed rebar with 30% section loss.</p> <p>Bent #16 cap back face has 1' spall on left corner with rebar exposed with 5% section loss.</p> <p>Bent #16 cap on ahead face right end, and top spalled last two feet with exposed rebar with 30% section loss.</p>						
	<p>Bent #5 cap back face has 6' long spall with exposed rebar with 20% section loss at top corner between girders #3 and 4, right end spalled with exposed rebar.</p> <p>Bent #5 cap back face has open horizontal crack at top, spalls with exposed rebar with 20% section loss, and large delaminations.</p> <p>Bent #5 cap back face has 2' spall below girder #1 and a 3' spall below girder #2 with exposed rebar with 5% section loss.</p> <p>Bent #5 cap front face has horizontal crack near top full length of cap, and a 2' spall with exposed rebar with 15% section loss and 15' of delamination.</p> <p>Bent #12 cap back face has longitudinal wide horizontal crack full length near top and vertical cracks and delaminations at top.</p> <p>Bent #12 cap back face left side under girder #1 has two foot spall with exposed rebar with 25% section loss.</p> <p>Bent #12 cap back face has graffiti.</p> <p>Bent #12 cap front face has 1' spall under girder #3 and longitudinal crack near top.</p>						
	<p>Bent #6 cap front face has open horizontal crack at top full length.</p> <p>Bent #6 cap ahead face has a three foot spall with exposed rebar under girder #2 and two one foot spalls with exposed rebar under girder #3 with 15% section loss.</p> <p>Bent #6 cap ahead face has twenty feet of delamination.</p> <p>Bent #6 cap back face right side at step has 2' spall with exposed rebar with 5% section loss, left side has six inch spall with exposed rebar.</p> <p>Bent #7 cap back face has 1' spall under girder #2 with exposed rebar 5% section loss.</p> <p>Bent #7 cap back face has open horizontal crack at top full length.</p> <p>Bent #7 cap back face both corners are spalled with exposed rebar with 10% section loss.</p> <p>Bent #7 cap ahead face is cracked full length 6"-8' from top.</p> <p>Bent #7 cap ahead face spalled at top for six feet under girder #4 with exposed rebar with 20% section loss, with two foot delamination under girder #4.</p> <p>Bent #7 cap right end is spalled for one foot with exposed rebar with up to 100% section loss.</p> <p>Bent #8 cap back face has vertical hairline crack and center line.</p> <p>Bent #8 cap ahead face has one foot spall with exposed rebar with 75% section loss.</p> <p>Bent #8 cap back face under girder #3 has 2' spall with exposed rebar with 100% section loss.</p> <p>Bent #9 cap ahead face right side has two feet of cracking with light efflorescence.</p> <p>Bent #10 cap back face has a 4' spall and one 1' spall with exposed rebar with 50% section loss.</p> <p>Bent #10 cap back face has 2' delamination under girder #4.</p> <p>Bent #10 cap back face between girders #1 and 2 has three feet of horizontal cracking with rust staining near top.</p> <p>Bent #10 cap front face under girder #2 has a 1' spall with exposed rebar with 40% section loss.</p> <p>Bent #10 cap ahead face has one foot delamination and narrow vertical crack at center line.</p> <p>Bent #11 cap back face has longitudinal wide crack for 8' and vertical hairline cracks.</p> <p>Bent #11 front face has 1' spall with rebar exposed under girder #3, and cracked near top for six feet each side near top.</p>						



Asset #02900(Routine, Underwater type 2)
Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, **Inspection Date:** 09/02/2021

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Side view / elevation

Maintenance Needs

Date Reported: 09/09/2019

Priority: B - Pressing

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Assigned

Component:

Deficiency Description

Span #13 bent #13 girder #3 at haunch has a two inch hole with a three inch crack extending out of it.

Span #15 bent #15 girder #3 has a three inch long hole with a one and a half inch crack extending out of it at haunch.

Span #16 bent #16 girder #3 has one inch hole with a one inch crack extending out of it at haunch.

Remarks



Span #16 bent #16 girder #3 has one inch hole with a one inch crack extending out of it at haunch.



Span #16 bent #16 girder #4 has a two inch hole in web and web bowing outward at haunch.



Span #15 bent #15 girder #3 has a three inch long hole with a one and a half inch crack extending out of it at haunch.



Span #13 bent #13 girder #3 at haunch has a two inch hole with a three inch crack extending out of it.



Span #15 bent #15 girder #3 has a three inch long hole with a one and a half inch crack extending out of it at haunch.



Span #16 bent #16 girder #3 has one inch hole with a one inch crack extending out of it at haunch.



Span #13 bent #13 girder #3 at haunch has a two inch hole with a three inch crack.

Maintenance Needs

Date Reported: 09/15/2021

Priority: B - Pressing

Type of Work: Repair (General)

Status: Open

Component: Element

Deficiency Description

Bent #3 cap front face right corner has 2'long full height spall with exposed rebar with 20% section loss extending to the edge of span #3 girder #4 bearing.

Span #5 bent #6 girder # 4 spalled under bearing with exposed rebar with 50% section loss.

Bent #7 cap ahead face spalled at top for six feet under girder #4, with two foot delamination under girder #4.

Bent #12 cap back face right side under girder #4 bearing has three foot spall with exposed rebar with 25% section loss

Remarks



Bent #7 cap ahead face spalled at top for six feet under girder #4, with two foot delamination under girder #4.



Bent #3 cap front face right corner has 2'long full height spall with exposed rebar with 20% section loss extending to the edge of span #3 girder #4 bearing.

Maintenance Needs

Date Reported: 09/16/2021

Priority: B - Pressing

Type of Work: Repair (General)

Status: Open

Component: Element

Deficiency Description

Span #5 bent #6 girder # 4 spalled under bearing with exposed rebar with 50% section loss.

Bent #7 cap ahead face spalled at top for six feet under girder #4 bearing, with two foot delamination under girder #4.

Bent #12 cap back face right side under girder #4 bearing has three foot spall with exposed rebar with 25% section loss.

Remarks



Bent #12 cap back face right side under girder #4 bearing has three foot spall with exposed rebar with 25% section loss.



Bent #7 cap ahead face spalled at top for six feet under girder #4, with two foot delamination under girder #4.



Span #5 bent #6 girder # 4 spalled under bearing with exposed rebar with 50% section loss.

Maintenance Needs

Date Reported: 09/13/2017

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

All girders have areas of surface rust full length with 20% bare steel with rest of paint having moderate to limited effectiveness.

All girder ends at bents have section loss around haunch with up to 10% section loss unless otherwise noted.

Remarks



Typical paint



Typical girder end at haunch

Maintenance Needs

Date Reported: 09/13/2017

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Assigned

Component:

Deficiency Description

All caps at various locations have large cracks, delaminations, and/or spalling with large section loss to rebar.

Remarks



Bent #16 ahead face.



Bent #16 cap back face left side.



Bent #15 ahead face.



Bent #16 back face.



Bent #15 cap bottom face.



Bent #15 back face.



Bent #14 ahead face.



Bent #15 back face



Bent #14 cap back face.



Bent #14 back face.



Bent #13 cap right end.



Bent #13 cap back face under girder #3.



Bent #13 cap back face under girder #2.



Bent #13 back face



Cracking bent #12 cap back face.



Bent #12 cap back face left side under girder #1 has two foot spall with exposed rebar with 25% section loss.



Bent #12 back face.



Bent #11 ahead face.



Bent #11 cap back face left side cracked horizontally.



Bent #10 cap front face under girder #2 has a 1' spall with exposed rebar with 40% section loss.



Bent #11 back face.



Bent #9 ahead face.



Bent #10 back face.



Bent #8 ahead face.



Bent #7 cap right end.



Bent #6 ahead face.



Bent #7 back face.



Bent #5 ahead face.



Bent #6 back face.



Bent #5 cap ahead face right end.



Bent #5 cap back face right side under girders #3 and 4.



Bent #5 cap right end.



Bent #4 ahead face.



Bent #4 cap right end.



Bent #4 cap back face.



Bent #4 cap bottom face.



Bent #4 cap right end top right corner, back face spalled with exposed rebar with 25% section loss.



Bent #3 ahead face.



Bent #3 back face.



Bent #3 cap right end spalled at top with exposed rebar
with 20% section loss.



Bent #2 cap ahead face.



Bent #3 back face.



Bent #2 cap bottom face has 3' of delaminations one 2' spall, a 1' x 4' spall, a 1' x 2' spall, a 1', a 3' long spall and a 2' x 2' spall with exposed rebar with 20% section loss.



Bent #2 back face.



Bent #5



Bent 5 cap back face



Bent 2 cap ahead face.



Bent 5 ahead face



Bent #2 cap ahead face

Maintenance Needs

Date Reported: 09/13/2017

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

All columns have wide cracks, delaminations, and or spalling.

Remarks



Bent #16 right column left side has 2' spall with exposed rebar with 20% section loss.



Bent #14 ahead face.



Bent #14 right column back face right corner.



Bent #14 left column.



Bent #14 back face.



Bent #9 back face.



Bent #8 ahead face.



Bent #5 ahead face.



Bent #4 ahead face.



Bent #4 right column left and right sides have vertical cracks, ahead face has two foot delamination and spall with no exposed rebar.



Bent #4 right column.



Bent #2 right column back face, left side.



Bent #2 left column, back face.



Bent 2 back face right column cracked.



Bent 14 left column cracked.



Maintenance Needs

Date Reported: 09/13/2017

Priority: C - Important

Status: Forward State

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Span #1 right soffit overhang has four one foot spalls with exposed rebar with 20% section loss and four repaired areas at rail posts.

Span #2 bay #3 soffit has 1' delamination and 1' spall with exposed rebar.

Span #2 left and right soffit overhang has 1' spall at mid span with rebar exposed with 15% section loss.

Span #3 bay #1 soffit has 1' spall with exposed rebar with 5% section loss.

Span #3 bay #3 soffit has several delaminations, and two 1' spalls with exposed rebar with 5% section loss.

Span #4 soffit over hang on right has 8' of spalls with exposed rebar with 25% section loss.

Deck soffit span #5 left side has 5 small spalls with exposed rebar.

Deck soffit span #5 right side has 9 small spalls with exposed rebar.

Deck soffit overhangs have hairline transverse cracks spaced 1' apart some with light efflorescence.

Span #6 bay #2 soffit at 2/3 span has 5' of rebar exposed due to poor concrete coverage.

Span #6 right soffit overhang has several small spalls with exposed rebar 10' total.

Span #7 right soffit overhang has several small spalls with exposed rebar 10' total.

Span #7 bay #3 has 3 one foot shallow spalls with no exposed rebar.

Span #8 bay #2 soffit has two 1' spall at 1/4 span with exposed rebar with 20% section loss.

Span #8 bay #3 soffit has two 1' spalls and a 2' spall with rebar exposed with 5% section loss.

Span #9 deck has 186 square feet of sound repaired areas and 159 square feet of unsound repaired area.

Span #9 bay #1 soffit has 1 form left in place.

Span #9 bay #1 has two 1' delaminations and a 1' spall with exposed rebar with no section loss.

Span #9 bay #2 soffit has a 2' delamination at 1/4 span and 1' spall with exposed rebar at half span.

Span #9 bay #3 soffit has 2' of small spalls with rebar exposed with 5% section loss.

Span #10 soffit bay one has one foot spall with exposed rebar.

Span #10 bay #2 soffit has two 2 foot spalls with exposed rebar.

Span #10 soffit overhangs have small pop off spalls with exposed rebar with 10% section loss, ten feet total.

Span #11 bay #3 soffit has two 2' spalls and two 1' spalls with exposed rebar.

Span #11 bay #3 soffit has 1 form left in place.

Span #11 soffit overhangs have small pop off spalls with exposed rebar 80' total.

Span #12 bay #1 has 1' spall with exposed rebar with 10% section loss.

Span #12 bay #2 soffit has two 2' spalls with rebar exposed.

Span #12 bay #2 soffit has 1 form left in place.

Span #12 bay #3 soffit has 1 form left in place.

Span #12 right soffit overhang at 3/4 span has 1' delamination.

Span #13 soffit bay #3 has five 1' spalls with exposed rebar with 5% section loss.

Span #13 right soffit over hang has two 2' delaminations and a 1' spall at drain with exposed rebar with 20% section loss.

Span #15 soffit at bent #15 right over hang has 2' spall with exposed rebar with 40% section loss.

Deck span #16 has 22 square feet of sound repaired areas and a 1' shallow spall with no exposed rebar.

Span #16 right soffit overhang has three one foot spalls with exposed rebar with 20% section loss and two one foot delaminations.

Remarks



Span #13 soffit bay #3 has five 1' spalls with exposed rebar with 5% section loss.



Span #8 soffit spall with exposed rebar near bent #9.



Span #8 soffit spall in bay #2.



Span #1 right soffit overhang has four one foot spalls with exposed rebar with 20% section loss and four repaired areas at rail posts.



Span 3 bay 1 spall in soffit.

Maintenance Needs

Date Reported: 09/16/2013

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Bent #7,11 slopes are eroded within 2' of pier to near vertical drop.

Remarks



Erosion at bent #11.



Slope to right of bent 7



Bent 11 slope near vertical face at bent.

Maintenance Needs

Date Reported: 09/16/2013

Priority: C - Important

Status: Assigned

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Span #7 bent #7 bearing #2 has one bearing to girder bolt loose.
Span #7 bent #7 bearing #3 has one bearing to girder bolt loose.
Span #7 bent #7 bearing #4 has all four bearing to girder bolts loose.
Bent #9 span #8 bearing #2 has 1 girder to bearing bolt loose.
Bent #10 span #10 bearing #4 right side tab for bolt to girder is cracked.
Bent #11 span #10 bearing #1 left pivot bolt is missing.
Span #11 bent #11 bearing #3 bolt to bearing on right side backed out.

Remarks



Bent 10 girder 4 right side tab for bolt from girder to bearing cracked.



Maintenance Needs

Date Reported: 09/09/2019

Priority: C - Important

Status: Forward State

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Deck span #1 has 1' x 2' shallow spall in right lane.
Deck span #2 has a 2' shallow spall at right gutter.
Deck span #3 has a 1 square foot spall, a 1 foot by 2 foot shallow spall at centerline and two 2 foot shallow spalls in right lane.
Deck span #4 right lane has 1 foot shallow spall in right lane at bent #5.
Deck span #5 left lane has three 1' shallow spalls and one 2 foot shallow spalls with no exposed rebar.
Deck span #5 right lane has seven 1 foot and one 3 foot by 2 foot shallow spalls with no exposed rebar.
Deck span #6 left lane has two 2' foot spalls, two 1 foot spalls, a 1 foot by 3 foot and a 2 foot spall with rebar exposed.
Deck span #6 left lane has five 1 foot spalls with no exposed rebar.
Deck span #6 right lane has 3 one foot shallow spalls with no exposed rebar.
Deck span #6 left shoulder has four three foot spalls with rebar exposed.
Deck span #7 left lane has a 2 foot spall with exposed rebar and two 1' spalls with no exposed rebar.
Deck span #7 right lane has two 1' shallow spalls with no exposed rebar.
Deck span #8 left lane has a 3 foot by 1 foot shallow spall with exposed rebar and five 1 foot spall with no exposed rebar.
Deck span #8 right lane has three 1 foot shallow spalls with no exposed rebar.
Deck span #9 right lane has a 1 foot shallow spall with no exposed rebar.
Deck span #9 has a 2 foot, and five 1 foot shallow spalls near centerline no exposed rebar.
Deck span #9 left lane has three 1 foot spalls and a 1 foot by 2 foot shallow spall with no exposed rebar and a 2 foot by 3 foot and 2 foot by 2 foot shallow spall with exposed rebar.
Span #10 deck left lane has a 2 foot shallow spall with no exposed rebar.
Span #10 deck has four 1 foot shallow spalls with no exposed rebar
Span #12 deck has 3 two foot diameter shallow spalls and 6 one foot shallow spalls with exposed rebar.
Deck span #13 has a 2' x 3' shallow spall in right lane and several 6"-1' spalls.
Deck span #14 right lane mid span right side has two 1' spalls with no rebar exposed, left lane has a two 1' foot and two 2' shallow spalls with no exposed rebar.

Remarks



Span #10 spalls at center line.



Span #10 left lane spall.



Span #9 left lane 3' x 2' spall with exposed rebar.



Span #9 left lane 2' x 3' spall with exposed rebar.



Span #6 left lane spalls with exposed rebar.



Span #6 left lane spalls with exposed rebar.



Span #6 left lane 1' x 3' spall.



Span #6 left lane spalls at center line.



Span #6 left lane two 2 ' spalls one with exposed rebar.



Span #6 left lane 2' x 5' spall with exposed rebar.



Span #5 right lane spalls



Span #5 left lane spalls.



Span #4 right lane at bent #5 small spall



Span #3 center line 1' spall.



Span #3 deck 2' spall right lane.



Span #3 1' x 2' spall at center line.



Span #3 2' spall right lane.



Spalls in span #2 right gutter.



1' x 2' shallow spall right lane span #1.



Span #13 bent #13 right lane has 2" x 2" shallow spall.



Span #13 2' x 3' shallow spall, right lane.



Shallow spalls in span #14 left lane.



Span #16 right lane has 1' shallow spall with no exposed rebar.



Deck span #6 left shoulder near bent #6 has a three foot spall with rebar exposed.



Span #6



Span #5



Span #14

Maintenance Needs

Date Reported: 09/10/2019

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Forward State

Component:

Deficiency Description

Bent #3 joint iron is loose and noisy.

Remarks

9/8/2021-Bent #3 joint steel has been removed now open joint no seal.



Bent #3 joint.



Bent #3 joint



Bent #3 joint.



Maintenance Needs

Date Reported: 09/13/2017

Priority: C - Important

Status: Monitor

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Span #1 girder #3 at bent #2 haunch has 75% section loss.
Span #2 girder #1 at bent #3 haunch has 75% section loss.
Span #2 girder #3 at bent #3 has a 2" hole corroded in web at haunch.
Span #3 girder #3 at bent #4 has a six inch long hole in web at haunch.
Span #3 girders #2 and 3 have up 70% section loss at haunch.
Span #12 girder #2 bent #12 one inch hole in web at haunch.
Span #12 girder #3 bent #12 one inch hole in web at haunch.
Span #12 girder #4 bent #12 two inch hole in web at diaphragm connection with out of plane bending at web.
Span #14 bent #14 girder #2 has a four inch long hole at haunch.
Span #14 bent #14 girder #3 has a four inch long hole at haunch.
Span #15 bent #15 girder #2 has a one inch long hole at haunch.
Span #16 bent #16 girder #4 has a two inch hole in web and web bowing outward at haunch.

Remarks



Span #15 bent #15 girder #2 has a one inch long hole at haunch.



Span #14 bent #14 girder #3 has a four inch long hole at haunch.



Span #12 girder #3 bent #12 one inch hole in web at haunch.



Span #12 bent #12 girder #4 has 2' hole in web at diaphragm connection.



Span #12 girder #2 bent #12 one inch hole in web at haunch.



Span #3 girder #3 at bent #4 has a six inch long hole in web at haunch.



Span #2 girder #3 at bent #3 has a 2" long hole corroded in web at haunch.



Span #2 girder #3 at bent #3 has a 2" hole corroded in web at haunch.



Span #12 girder #3 bent #12 one inch hole in web at haunch.



Span #3 girder #3 at bent #4 has a six inch long hole at haunch.



Span #2 bent #3 girder #3



Span #12 girder #2 bent #12 one inch hole in web at haunch.



Span #15 bent #15 girder #2 has a one inch long hole at haunch.



Span #16 bent #16 girder #4 has a two inch hole in web and web bowing outward at haunch.

Maintenance Needs

Date Reported: 09/01/2015

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Vegetation is growing under and beside bridge and onto columns and bents.

Remarks



Trees and vegetation growing beside and under bridge.



Typical vegetation



Tree growing over bridge rail left side.



Abutment 2 left side vegetation growing onTo bridge.

Maintenance Needs

Date Reported: 09/13/2017

Priority: C - Important

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Bent #5 joint seal has failed.

Remarks



Bent #5 joint.

Maintenance Needs

Date Reported: 09/08/2011

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Span #2 bent #2 girders #2,3 are floating.
Span #2 bent #3 girder #2 is floating.
Span #4 girders #2,3 are floating.
Bent #15 span #14 girder #2,3 are floating.
Bent #16 span #15 girder #2 is floating.
Span #14 girder #3 bearing is twisted under girder.

Remarks



Span #14 bent #15 girder #3 floating, typical of girder #2.



Span #14 girder #3 bearing is twisted under girder.



Typical floating girder.

Maintenance Needs

Date Reported: 09/16/2013

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Abutment #2 left monument post is cracked and broken at bottom.

Remarks



Abutment 2 left monument post.

Maintenance Needs

Date Reported: 09/16/2013

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

All bearings on outside girders have rust with laminations and section loss up to 10% with no paint.

All bearings on inside girders have surface rust with 50% bare steel with little to no section loss.

Bent #9 span #8 bearing #4 is shimmed with pack rust between cap and masonry plate.

Bent #9 span #9 bearing #1,2,3,4 are all shimmed with pack rust between cap and masonry plate.

Remarks



Bent #9 bearings .



Bent #9 bearings .



Bent #4 bearings.



Bent #2 bearings.



Bent 9 span 8 masonry plate shimmed by pack rust



Bent 9 span 9 typical masonry plate shimmed up with pack rust.

Maintenance Needs

Date Reported: 09/16/2013

Priority: D- Routine

Status: Monitor

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Bent #8 span #8 bearing #4 left anchor nut is loose.
Bent #11 span #10 bearing #3 right anchor nut rusted off.
Span #11 bent #12 bearings #2,3,4 anchor nuts are rusted off.

Remarks



Bent #7 span #7 girders #2 and 3 each have loose bearing to girder bolt.



Asset #02900(Routine, Underwater type 2)
Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, Inspection Date: 09/02/2021

Maintenance Needs

Date Reported: 09/16/2013

Priority: D- Routine

Status: Monitor

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Bents #8, 9,10 have 1 – 2' of footings exposed with previous repair with rip rap failing.

Remarks

Maintenance Needs

Date Reported: 09/15/2021

Priority: D- Routine

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

Status: Open

Component: Deck

Deficiency Description

Gutters have dirt and debris in them.

Remarks



Dirt and debris in gutters.



Asset #02900(Routine, Underwater type 2)
Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, **Inspection Date:** 09/02/2021

Maintenance Needs

Date Reported: 09/16/2013

Priority: (Inactive) (Inactive) G - General/
Preventive maintenance

Status: Monitor

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Bent #12 has graffiti on cap.

Remarks

Maintenance Needs

Date Reported: 09/16/2013

Priority: (Inactive) (Inactive) G - General/
Preventive maintenance

Status: Monitor

Type of Work: (Inactive) (Inactive) 0 - N/A

Component:

Deficiency Description

Span #2 bay #3 soffit has form left in place.
Span #3 bay #2 soffit has 1 form left in place.
Span #3 bay #3 soffit has 1 form left in place.
Span #9 bay #1 soffit has 1 form left in place.
Span #11 bay #1 soffit has 1 form left in place.
Span #11 bay #3 soffit has 1 form left in place.
Span #12 bay #2 soffit has 1 form left in place.
Span #12 bay #3 soffit has 1 form left in place.

Remarks



Span #8 bay #3 has form left in place near bent #9.



Typical form left in place.



Asset #02900(Routine, Underwater type 2)
Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, **Inspection Date:** 09/02/2021

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	

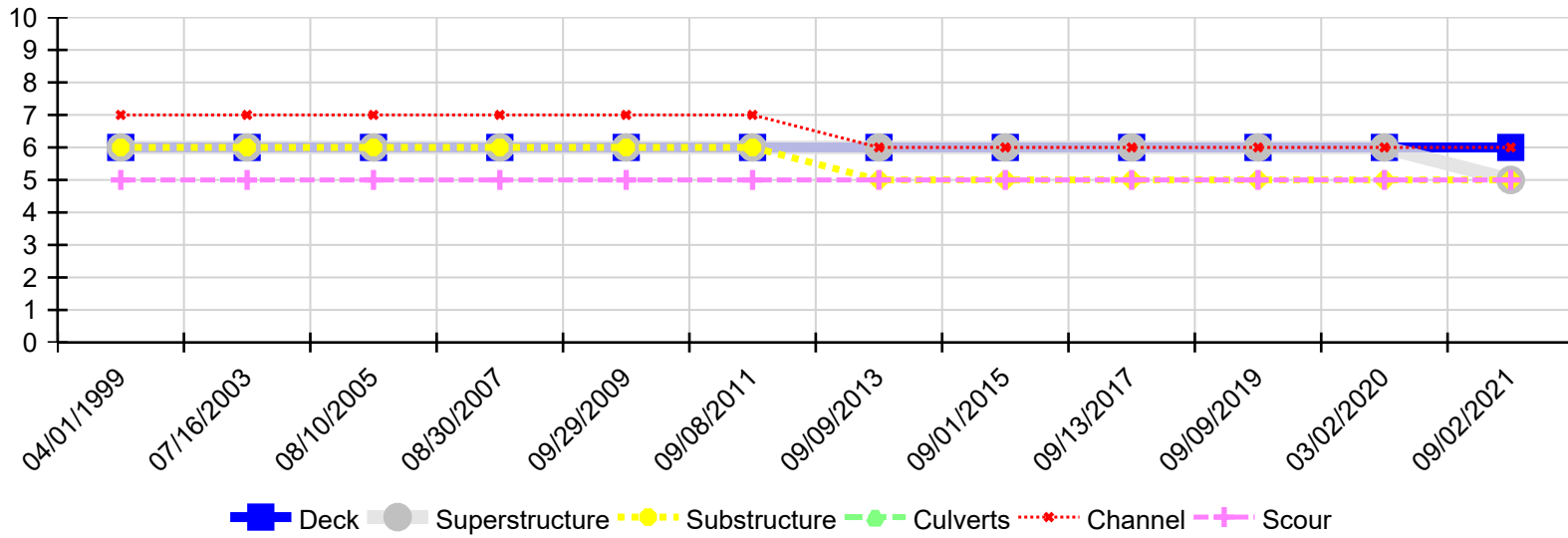


Asset #02900(Routine, Underwater type 2)
Us79/Sec-16/L-3.35 over St.francis Div. Channel

Location: 3.4 Mi North Of Marianna

Team Lead: Myron Futrell, Inspection Date: 09/02/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/02/2021	6	5	5	N	6	5
03/02/2020	6	6	5	N	6	5
09/09/2019	6	6	5	N	6	5
09/13/2017	6	6	5	N	6	5
09/01/2015	6	6	5	N	6	5
09/09/2013	6	6	5	N	6	5
09/08/2011	6	6	6	N	7	5
09/29/2009	6	6	6	N	7	5
08/30/2007	6	6	6	N	7	5
08/10/2005	6	6	6	N	7	5
07/16/2003	6	6	6	N	7	5
04/01/1999	6	6	6	N	7	5