



Latitude:35.02874, Longitude:-90.47635

Route:50 Section:01 Log:16.22

Arnold Road ID:68x50x1xA, Arnold Log mile:16.218

District 01, 123 - St. Francis County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

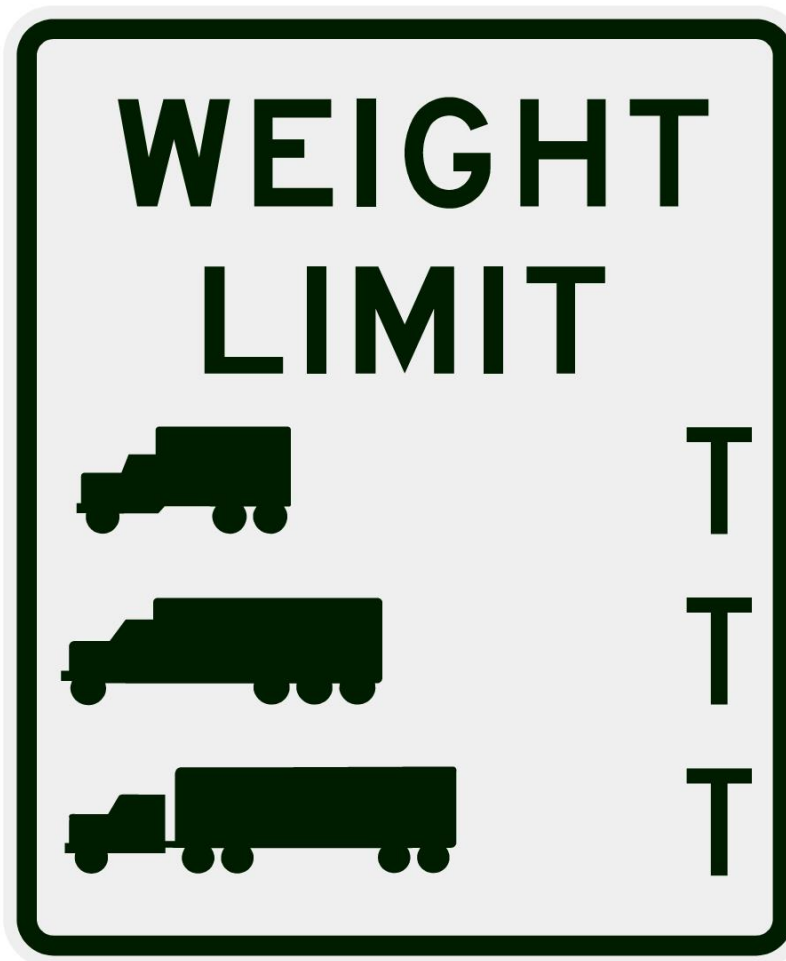
Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

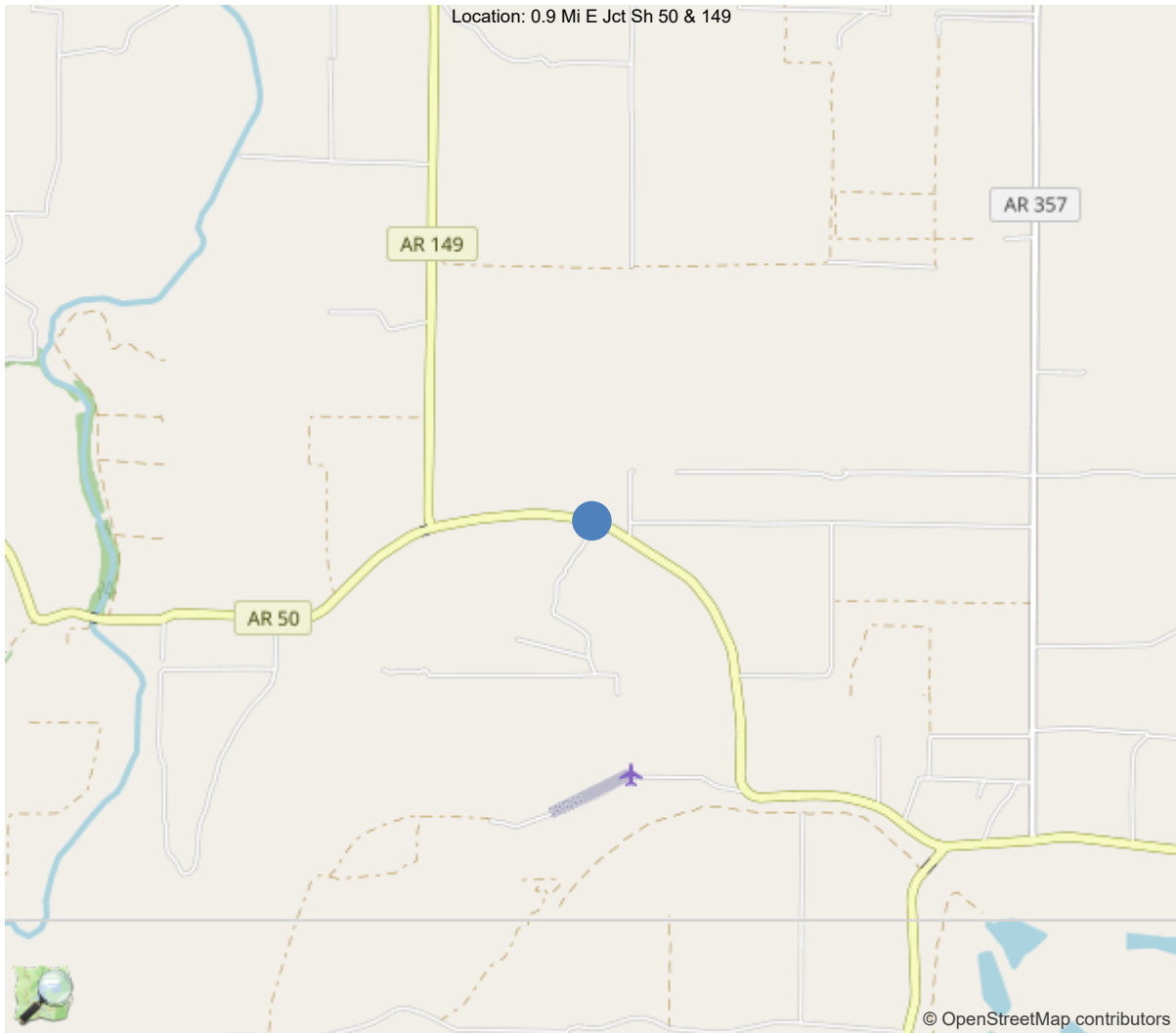
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	33		
Code 9 (31 Tons)	38		
Code 5 (40 Tons)	51		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



35.02874, -90.47635



Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton Inspection Date: 01/25/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M3333
(5) Inventory Route	1
(2) Highway Agency District	01 - District 01
(3) County Code	123 - St. Francis County
(4) Place Code	0
(6) Features Intersected	Little Rabbit Bayou
(7) Facility Carried	Sh-50/Sec-1/L16.22
(9) Location	0.9 Mi E Jct Sh 50 & 149
(11) Mile Point	16.22 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.02874
(17) Longitude	-90.476349
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	9
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1972
(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	130
(30) Year of ADT	2019
(109) Truck ADT	7 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	171 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	27.8 ft
(52) Deck Width Out to Out	28.7 ft
(32) Approach Roadway Width (W/Shoulders)	21 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	27.8 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	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	6
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0 - Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	48
(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	
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined to
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	169
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	01/25/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* 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 #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton Inspection Date: 01/25/2023

General Observation

Abutment #2 left side approach shoulder is sliding nearing roadway.
Trees and vegetation are growing beside and under bridge.
Abutment #2 slope has minor erosion due to roadway run off.
Abutment #2 approach rail right side has collision damage at terminal end.
Approach shoulders both sides both ends have settled six to eight inches at bridge ends.
Approach roadways have settled 1" increasing impact loading on bridge.

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

01/15/2019 lowered deck from 7 to 6 due to spalling.

Deck has a chip seal in travel lanes only. Deck has areas of spalling in grout joints and a few other areas some with asphalt patches. Deck has some cracks in units some covered by chip seal.

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

01/15/2019 lowered superstructure from 6 to 5 due to spalls on girders.

Superstructure unit legs have numerous areas of cracking, delaminations and spalling with and without rebar exposed.

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

01/15/2019 lowered substructure from 6 to 5 due to rebar exposed.

Substructure concrete caps have areas of spalls with and without rebar exposed, and delaminated areas. Timber piles have minor cracks, some splice and encased, and a few with decay with section loss. Abutments have weathering and minor cracks and some areas of erosion behind them with voids.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

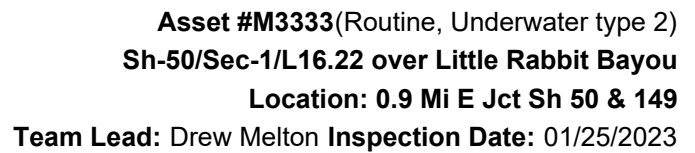
Channel banks have some minor slumping with a small amount of vegetation restricting water flow.

A-55 - Deck Washing Needed (Y)

Gutters have dirt and debris in them.

A-63 - Missing/Incorrect Log Mile Signage (Y)

Log mile signs read 16.25 should have read 16.22



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	4916	4875	41	0	0
1080	Delamination/Spall/Patched Area	SF	15	0	15	0	0
1120	Efflorescence/Rust Staining	SF	8	0	8	0	0
1130	Cracking (RC and Other)	SF	18	0	18	0	0
510	Wearing Surfaces	SF	1710	0	1670	25	15
3230	Effectiveness (Wearing Surface)	SF	1710	0	1670	25	15
<p>(16) Travel lanes have chip seal.</p> <p>Wearing surface has numourous areas of patches and bad coverage.</p> <p>Grout joints in all spans between units are spalling up to one inch deep. Some have been filled with asphalt.</p> <p>Gutters have dirt and debris in them.</p> <p>Curbs have areas of exposed rebar due to poor coverage.</p> <p>Deck span #1 unit #6 has several spalls no rebar exposed with asphalt patch with a four foot by two foot sound repaired area at beginning of bridge.</p> <p>Deck span #2 unit #3 at bent #3 has two 1' shallow spalls no exposed rebar.</p> <p>Deck span #2 unit #6 has transverse open cracks. Cannot see anymore due to chip seal.</p> <p>Deck span #3 unit #4 has 1' shallow spall center span no rebar exposed.</p> <p>Deck span #8 unit #6 has a two foot spall at bent #8 no rebar exposed with asphalt patch.</p> <p>Deck span #9 right curb at bent #9 has one foot spall with exposed rebar no section loss.</p> <p>Soffit-Under surface span #1 unit #2 has cracks with light efflorescence.</p> <p>Soffit-Under surface span #1 unit #6 has a repair with form left in place.</p> <p>Soffit-Under surface span #2 unit #6 has six feet of cracks with light efflorescence, and 3 2' delaminated areas.</p> <p>Soffit-Under surface span #7 unit #1 has several transverse cracks at three quarter span.</p> <p>Soffit-under surface span #9 unit #6 has a 1' delaminated area at 1/4 span.</p>							
110	Reinforced Concrete Open Girder/Beam	LF	1368	688	129	418	133
1080	Delamination/Spall/Patched Area	LF	10	0	10	0	0
1090	Exposed Rebar	LF	32	0	0	32	0
1120	Efflorescence/Rust Staining	LF	107	0	0	107	0
1130	Cracking (RC and Other)	LF	531	0	119	279	133
<p>(110) Connection bolts are corroded with little to no section loss.</p> <p>All units have hairline vertical flexure cracks spaced eight inches apart.</p> <p>Each span has several shallow pop offs on steams of girders. Some with rebar exposed.</p> <p>Diagrams at bents there are several spalls with exposed rebar with moderate section loss.</p> <p>Span #1 unit #2 left leg has cs2 crack for 2' on bottom and side at 3/4 span.</p> <p>Span #1 unit #2 right leg has cs3, cs4 14' long crack that is delaminated on bottom and side in center span.</p> <p>Span #1 unit #3 left leg has cs2 crack on bottom and side for 4' center span.</p> <p>Span #1 unit #3 right leg has cs2, cs3 cracks on bottom and side for 14' that is delaminated starting at 1/4 span.</p> <p>Span #1 unit #4 left leg has cs3, cs4 cracks on side and bottom for 10' starting at 1/4 span and a 2' cs3 and delaminated on bottom at abutment #1.</p> <p>Span #1 unit #4 right leg has cs2 cracks and delaminated for 10' side and bottom center span.</p> <p>Span #1 unit #5 left leg has cs2 cracks on side and bottom for 2' at 1/4 span and 2' at 3/4 span.</p> <p>Span #1 unit #5 right has cs3, cs4 cracks full length that is delaminated on sides and bottom with a 3' long spall with exposed rebar moderate section loss just ahead of mid span.</p>							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Span #1 unit #6 left leg	cs3 cracks bottom and side full length with rust stains.						
Span #1 unit #6 right leg	has cs2 cracks in side second half of span with light efflorescence.						
Span #1 unit #6 both legs	have map cracking with moderate efflorescence first half of span.						
Span #1 unit #7 left leg	has cs3, cs4 cracks and delaminated bottom and side full length.						
Span #1 unit #7 right leg	cs2 cracks in side and bottom for 2' at mid span and 3/4 span.						
Span #1 unit #8 left leg	has cs2 cracks on side for 2' at mid span.						
Span #2 unit #1 right leg	has cs3 cracks and delaminated bottom and side for 3' at beginning of span, cs3 cracks on bottom and side for 3' mid span.						
Span #2 unit #2 left leg	has cs3, cs4 8' long crack at 3/4 span with rust stains.						
Span #2 unit #2 right leg	has cs4 cracks side and bottom full length and delaminated.						
Span #2 unit #3 left leg	has cs3 crack 12' long crack and delaminated side and bottom in center span.						
Span #2 unit #3 right leg	has cs2 cracks on side for 2' mid span light rust stains.						
Span #2 unit #4 left leg	has cs3, cs4 12' long crack and delaminated side and bottom starting at quarter span with rust stains.						
Span #2 unit #4 right leg	has cs2, cs3 cracks full length with a six inch spall mid span no rebar exposed.						
Span #2 unit #5 left leg	has cs2, cs3 cracks for 6' on bottom and side at mid span.						
Span #2 unit #5 right leg	has cs2, cs3 cracks on bottom for 14' starting at 1/4 span.						
Span #2 unit #6 left leg	has a 1' spall rebar exposed moderate section loss with a 12' cracks in side and bottom at beginning of span.						
Span #2 unit #6 right leg	has cs2, cs3 12' long cracks on bottom and side at beginning of span.						
Span #2 unit #7 left leg	has cs3, cs4 10' long cracks with delaminations in side and bottom starting at 1/4 span.						
Span #2 unit #7 right leg	has cs2 cracks in side for 4' at 3/4 span.						
Span #2 unit #8 left leg	has cs2, cs3 cracks for 4' bottom and side center span, 3/4 cs3 cracks bottom and side 2' long.						
Span #3 unit #2 left leg	has cs3, cs4 cracks and delaminated on bottom with rust staining full length.						
Span #3 unit #2 right leg	has cs4 crack in side for 5' mid span.						
Span #3 unit #3 left leg	has cs3 cracks bottom and side full length with rust stains.						
Span #3 unit #3 right leg	has cs3, cs4 cracks for 10' side and bottom at center span with rust staining.						
Span #3 unit #4 left leg	has cs2, cs3 cracks bottom and side for 10' starting at 1/4 span.						
Span #3 unit #4 right leg	has cs2 cracks on bottom for 6' starting 1/4 span with rust stains.						
Span #3 unit #5 left leg	has cs3 cracks in side for 2' mid span.						
Span #3 unit #6 left	has cs3 cracks and delaminated bottom and side for 10' starting at bent #3, and 6' spall exposed rebar moderate section at 1/4 span, a cs3 cracks in bottom for 3' at bent #4.						
Span #3 unit #7 left leg	has cs2 cracks for 3' on bottom at quarter span.						
Span #3 unit #7 right leg	has cs2, cs3 cracks on bottom for 6' at mid span.						
Span #3 unit #8 left leg	has cs3 cracks on bottom for 1' mid span with rust stains.						
Span #4 unit #1 right leg	has cs3, cs4 cracks in bottom for 5' mid span with rust stains.						
Span #4 unit #2 left leg	has cs3 cracks on side for 3' mid span with light rust stains.						
Span #4 unit #2 right leg	has cs3 1' long crack on bottom with rust staining center span.						
Span #4 unit #3 left leg	has cs3, cs4 6' long crack and delaminated on bottom and side starting at 1/4 span.						
Span #4 unit #3 right leg	has a 1' spall with exposed rebar with moderate section loss.						
Span #4 unit #3 right leg	has cs4 cracks in bottom for 5' at 3/4 span with rust stains.						
Span #4 unit #4 left leg	has cs3 4' crack on bottom at 3/4 span with rust stains.						
Span #4 unit #5 left leg	has cs2 cracks on bottom for 3' mid span.						
Span #4 unit #5 right leg	has cs3, cs4 7' long crack with delaminations bottom and side with rust stains starting at mid span.						
Span #4 unit #6 right leg	has cs2 cracks on bottom 4' mid span, 3' cs3 cracks on side at bent #5.						
Span #4 unit #8 left leg	has cs2 cracks in side for 1' mid span.						
Span #5 unit #1 right leg	has cs3 cracks in bottom at bent #6 for 3'.						
Span #5 unit #2 left leg	has cs3 cracks on bottom for 4' at 3/4 span.						
Span #5 unit #2 right leg	has cs2 cracks on bottom for 3' at 1/4 span.						
Span #5 unit #3 left leg	has cs3, cs4 10' long crack and delaminated bottom starting at bent #5.						
Span #5 unit #3 right leg	has cs3, cs4 cracks and delaminated on bottom and side full length with 1' spall rebar exposed no section loss at 1/4span.						
Span #5 unit #4 right leg	has cs2 cracks on side for 8' starting at 1/4 span.						
Span #5 unit #6 left leg	has cs3 cracks on bottom and side for 3' at 3/4 span with rust stains.						



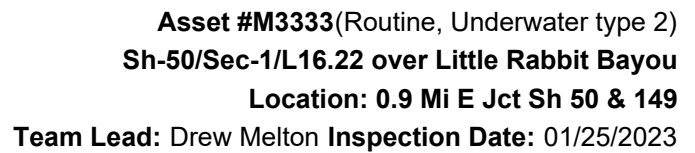
Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton Inspection Date: 01/25/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Span #5 unit #6 right leg has cs2, cs3 cracks on bottom for 6' at 3/4 span.						
	Span #5 unit #7 left leg has cs3 8' long crack delaminated on bottom with 3' spall exposed rebar with moderate section loss at 1/4 span.						
	Span #5 unit #7 right leg has cs2 cracks on bottom for 2' at 1/4 span, cs2 cracks on bottom for 4' at 3/4 span with light rust stains.						
	Span #6 unit #1 right leg has cs3, cs4 cracks and delaminated on bottom full length with a 6" spall with exposed rebar with moderate section loss at 1/4 span.						
	Span #6 unit #3 left leg has cs2, cs3 cracks on bottom full length.						
	Span #6 unit #3 right leg has cs3 5' long crack on bottom at 3/4 span.						
	Span #6 unit #4 left leg has cs2 cracks on bottom for 4' mid span.						
	Span #6 unit #4 right leg has cs2 cracks on side for 1' mid span.						
	Span #6 unit #5 left leg has cs2, cs3 cracks on side for 10' first half of span.						
	Span #6 unit #5 right leg has cs2 cracks on side and bottom for 10' starting at 1/4 span. 2' spall exposed rebar moderate section loss at 1/4 span.						
	Span #6 unit #8 left leg has cs2, cs3 cracks on bottom and side full length with some light rust staining.						
	Span #7 unit #1 right leg has cs3 cracks on bottom and side for 3' mid span with light rust stains.						
	Span #7 unit #2 left leg has cs3 cracks on bottom and side full length with delaminations, 5' spall exposed rebar moderate section starting at mid span.						
	Span #7 unit #2 right leg has cs2, cs3 5' long crack on bottom at 3/4span, cs2 cracks in bottom for 2' at 1/4 span.						
	Span #7 unit #3 left leg has cs2 1' crack on bottom in center with delaminations and rust stains.						
	Span #7 unit #3 right leg has cs3 cracks on bottom second half of span with light efflorescence and rust stains.						
	Span #7 unit #4 right leg has cs2 cracks on bottom for 2, mid span with rust stains.						
	Span #7 unit #6 left leg has cs3 cracks on bottom for 3' at 3/4 span.						
	Span #7 unit #6 right leg has cs3 cracks on bottom and side for 12' starting at 1/4 span.						
	Span #7 unit #7 left leg has cs3, cs4 cracks and delaminated on bottom and side full length.						
	Span #7 unit #7 right leg has cs3 cracks on bottom for 10' starting at 1/4 span.						
	Span #7 unit #8 left leg has cs2, cs3 12' long crack and delaminated on bottom with rust stains starting at 1/4 span.						
	Span #8 unit #1 right leg has cs3 cracks on bottom and side for 4' with delaminations at 1/4 span. 1' spall exposed rebar moderate section loss at 1/4 span.						
	Span #8 unit #3 left leg has cs2 3' long crack on bottom at 1/4 span.cs2 cracks on bottom for 5' at 3/4.						
	Span #8 unit #4 left leg has cs2 cracks on side for 4' at 3/4 span.						
	Span #8 unit #4 right leg has cs2 cracks in bottom for 2' at 3/4 span.						
	Span #8 unit #5 left leg has cs2, cs3 cracks on bottom for 10' first half of span.						
	Span #8 unit #5 right leg has cs3 cracks on bottom for 2' at bent #9.						
	Span #8 unit #7 left leg has cs3, cs4 cracks and delaminated bottom and side first 3/4 of span. 1' spall exposed rebar moderate section loss at 1/4 span.						
	Span #8 unit #7 right leg has a 1'spall and cs2 crack in bottom with exposed rebar with moderate section loss at 1/4 span.						
	Span #9 unit #1 right leg has cs3 3' long crack and delaminated on bottom and side center span.						
	Span #9 unit #2 left leg has cs2 cracks in side for 3' at mid span.						
	Span #9 unit #2 right leg has cs3 cracks with delamination on bottom and side full length with 4' spall near center with exposed rebar with moderate section loss.						
	Span #9 unit #3 left leg has cs3, cs4 cracks on bottom and side full length.						
	Span #9 unit #3 right leg has cs3, cs4 cracks with delamination on bottom and side full length, 2' spall exposed rebar moderate section loss at abutment #2.						
	Span #9 unit #4 left leg has a 1' spall with exposed rebar with moderate section loss at mid span.						
	Span #9 unit #4 right leg has cs2 10' long cracks bottom and side starting at 1/4 span.						
	Span #9 unit #5 left leg has cs2 cracks and delaminated on bottom and side for 9' starting at 1/4 span.						
	Span #9 unit #5 right leg has a cs2 1' long crack on side at bent #10.						
	Span #9 unit #6 left leg has a cs2 3' long cracks with delamination on side and bottom at 1/4 span, cs3, cs4 cracks on bottom and side for 9' starting at mid span with rust stains.						
	Span #9 unit #6 right leg has a cs3, cs4 15' long cracks on bottom and side starting at 1/4 span.						
	Span #9 unit #7 left leg has a cs2, cs3 cracks and delaminated on bottom and side full length with rust stains.						
	Span #9 unit #7 right leg has cs2 cracks on bottom for 1' mid span.						
	Span #9 unit #8 left leg has cs2 cracks on bottom and side for 3' mid span with rust stains.						



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
216	Timber Abutment	LF	73	22	51	0	0
1160	Crack (Timber)	LF	15	0	15	0	0
4000	Settlement	LF	36	0	36	0	0
(216) Timber abutments are weathered with some minor cracks. Abutment #1 beside pile #2 has a four foot void behind timber back wall. Timber back wall abutment #2 has settled allowing material to erode between cap and back wall.							
228	Timber Pile	EA	50	0	45	5	0
1140	Decay/Section Loss	EA	5	0	0	5	0
1150	Check/Shake	EA	2	0	2	0	0
1160	Crack (Timber)	EA	43	0	43	0	0
(228) Piles have unknown depth and length Piles have minor vertical cracks. Bent #2 pile #1 is decayed with moderate section loss. Bent #2 pile #4 has a moderate shake on back face near top. Bent #4 pile #1 is spliced and encased in concrete. Encasement has unknown structural makeup. Bent #6 pile #4 is spliced and encased in concrete. Encasement has unknown structural makeup. Bent #9 pile #5 has a moderate shake right side four feet from top. Bent #10 pile #1 sounds moderately hollow with hole in left side moderate section loss. Bent #10 pile #2 sounds slightly hollow.							
234	Reinforced Concrete Pier Cap	LF	363	238	10	115	0
1080	Delamination/Spall/Patched Area	LF	10	0	10	0	0
1090	Exposed Rebar	LF	115	0	0	115	0
(234) All caps on bottoms have spalls with exposed rebar with moderate section loss. Abutment #1 cap has 1' long corner spalled off near pile #5. Bent #2 cap ahead face has three 1' delaminated areas. Bent #3 cap back face has three 6" spalls with exposed rebar with moderate section loss and several delaminations. Bent #5 cap ahead face at top between piles #2,3 has a 1' spall with no rebar exposed. Bent#6 cap ahead face has several delaminations and two 6" spalls with rebar exposed with moderate section loss.							
301	Pourable Joint Seal	LF	230	0	0	230	0
2350	Debris Impaction	LF	230	0	0	230	0
(301) Joints are missing material allowing joints to fill with non compressible material.							
330	Metal Bridge Railing	LF	342	342	0	0	0
515	Steel Protective Coating	SF	1026	0	500	501	25
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	1026	0	500	501	25
(330) Coating is oxidized with a few areas of light rust.							



Side view-elevation



Top view-inventory



Channel left side



Channel right side



Abutment #2 right approach rail



Abutment #1 approach roadway



Abutment #2 approach roadway



Abutment #1 left side erosion at bridge end.



Abutment #1 right side erosion at bridge end.



Abutment #2 left side erosion at bridge end



Abutment #2 right erosion at bridge end



Abutment #2 right approach shoulder



Typical joint



Left bridge rail



Right bridge rail



Typical deck



Typical soffit-under surface.



Typical debris in gutters



Curbs have areas of exposed rebar due to poor coverage.



Grout joints in all spans between units are spalling up to one inch deep. Some have been filled with asphalt.



Grout joints in all spans between units are spalling up to one inch deep. Some have been filled with asphalt.



Deck span #1 unit #6 has several spalls no rebar exposed with asphalt patch with a four foot by two foot sound repaired area at beginning of bridge.



Span #2 unit #3 at bent #3 has two 1' shallow spalls no exposed rebar.



Span #3 unit #4 has 1' shallow spall center span no rebar exposed.



Deck span #8 unit #6 has a two foot spall at bent #8 no rebar exposed with asphalt patch.



Deck span #9 right curb at bent #9 has one foot spall with exposed rebar no section loss.



Soffit-Under surface span #1 unit #6 has a repair with form left in place.



Soffit-Under surface span #1 unit #2 has cracks with light efflorescence.



Soffit-Under surface span #2 unit #6 has six feet of cracks with light efflorescence, and 3 2' delaminated areas.



Soffit-under surface span #9 unit #6 has a 1' delaminated area at 1/4 span.



Typical spalling of diaphragms at bents.



Span #1 unit #6 both legs have map cracking with moderate efflorescence first half of span.



Span #1 girders



Span #2 girders



Span #3 girders



Span #4 girders



Span #5 girders



Span #6 girders



Span #7 girders



Span #8 girders



Span #9 girders



Typical rebar exposed on bottom of caps



Abutment #1 cap has 1' long corner spalled off near pile #5.



Bent #2 cap ahead face has three 1' delaminated areas.



Bent #5 cap ahead face at top between piles #2,3 has a 1' spall with no rebar exposed.



Bent#6 cap ahead face has several delaminations and two 6" spalls with rebar exposed with moderate section loss.



Typical cracks in piles



Bent #2 pile #1



Bent #10 pile #1 sounds moderately hollow with hole in left side moderate section loss.



Abutment #1 beside pile #2 has a four foot void behind timber back wall.



Abutment #1



Abutment #2



Typical debris in gutters

Maintenance Needs

Date Reported: 01/11/2013

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Abutment #1 beside pile #2 has a four foot void behind timber back wall.

Remarks



Abutment #1

Maintenance Needs

Date Reported: 01/15/2019

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component: Approach

Deficiency Description

Approach shoulders both sides both ends have settled six to eight inches at bridge ends.

Remarks



Abutment #1 left approach shoulder at bridge.



Abutment #1 right approach shoulder at bridge



Abutment #2 left approach shoulder at bridge



Abutment #2 right approach shoulder at bridge

Maintenance Needs

Date Reported: 01/15/2019

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component: Element

Deficiency Description

Bent #2 pile #1 is core decayed with 30% section loss.
Bent #10 pile #1 is core decayed with 40% section loss.
Bent #10 pile #2 sounds slightly hollow.

Remarks



Bent #10 pile #1 is core decayed with 40% section loss.



Bent #2 pile #1 is core decayed with 30% section loss.

Maintenance Needs

Date Reported: 01/15/2019

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component: Approach

Deficiency Description

Abutment #2 left side approach shoulder is sliding near roadway.

Remarks



Abutment #2 left approach shoulder

Maintenance Needs

Date Reported: 01/15/2019

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component: Element

Deficiency Description

Deck span #1 unit #6 has several spalls no rebar exposed with asphalt patch with a four foot by two foot sound repaired area at beginning of bridge.

Deck span #2 unit #3 at bent #3 has two 1' shallow spalls no exposed rebar.

Deck span #2 unit #6 has transverse open cracks. Cannot see anymore due to chip seal.

Deck span #3 unit #4 has 1' shallow spall center span no rebar exposed.

Deck span #8 unit #6 has a two foot spall at bent #8 no rebar exposed with asphalt patch.

Deck span #9 right curb at bent #9 has one foot spall with exposed rebar no section loss.

Remarks



Deck span #1 unit #6 has several spalls no rebar exposed with asphalt patch with a four foot by two foot sound repaired area at beginning of bridge.



Span #2 unit #3 at bent #3 has two 1' shallow spalls no exposed rebar.



Span #3 unit #4 has 1' shallow spall center span no rebar exposed.



Deck span #8 unit #6 has a two foot spall at bent #8 no rebar exposed with asphalt patch.

Maintenance Needs

Date Reported: 01/15/2019

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component: Element

Deficiency Description

Joints are missing material allowing joints to fill with non compressible material.

Remarks



Typical joint



Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton Inspection Date: 01/25/2023

Maintenance Needs

Date Reported: 01/15/2019

Priority: C - Important

Status: Monitor

Type of Work: Repair (General)

Component: Element

Deficiency Description

Span #1 unit #2 right leg has cs3, cs4 14' long crack that is delaminated on bottom and side in center span.
Span #1 unit #2 left leg has cs2 crack for 2' on bottom and side at 3/4 span.
Span #1 unit #3 right leg has cs2, cs3 cracks on bottom and side for 14' that is delaminated starting at 1/4 span.
Span #1 unit #3 left leg has cs2 crack on bottom and side for 4' center span.
Span #1 unit #4 left leg has cs3, cs4 cracks on side and bottom for 10' starting at 1/4 span and a 2' cs3 and delaminated on bottom at abutment #1.
Span #1 unit #4 right leg has cs2 cracks and delaminated for 10' side and bottom center span.
Span #1 unit #5 left leg has cs2 cracks on side and bottom for 2' at 1/4 span and 2' at 3/4 span.
Span #1 unit #5 right has cs3, cs4 cracks full length that is delaminated on sides and bottom with a 3' long spall with exposed rebar moderate section loss just ahead of mid span.
Span #1 unit #6 left leg cs3 cracks bottom and side full length with rust stains.
Span #1 unit #6 right leg has cs2 cracks in side second half of span with light efflorescence.
Span #1 unit #6 both legs have map cracking with moderate efflorescence first half of span.
Span #1 unit #7 left leg has cs3, cs4 cracks and delaminated bottom and side full length.
Span #1 unit #7 right leg cs2 cracks in side and bottom for 2' at mid span and 3/4 span.
Span #1 unit #8 left leg has cs2 cracks on side for 2' at mid span.

Span #2 unit #1 right leg has cs3 cracks and delaminated bottom and side for 3' at beginning of span, cs3 cracks on bottom and side for 3' mid span.
Span #2 unit #2 left leg has cs3, cs4 8' long crack at 3/4 span with rust stains.
Span #2 unit #2 right leg has cs4 cracks side and bottom full length and delaminated.
Span #2 unit #3 left leg has cs3 crack 12' long crack and delaminated side and bottom in center span.
Span #2 unit #3 right leg has cs2 cracks on side for 2' mid span light rust stains.
Span #2 unit #4 right leg has cs2, cs3 cracks full length with a six inch spall mid span no rebar exposed.
Span #2 unit #4 left leg has cs3, cs4 12' long crack and delaminated side and bottom starting at quarter span with rust stains.
Span #2 unit #5 left leg has cs2, cs3 cracks for 6' on bottom and side at mid span.
Span #2 unit #5 right leg has cs2, cs3 cracks on bottom for 14' starting at 1/4 span.
Span #2 unit #6 left leg has a 1' spall rebar exposed moderate section loss with a 12' cracks in side and bottom at beginning of span.
Span #2 unit #6 right leg has cs2, cs3 12' long cracks on bottom and side at beginning of span.
Span #2 unit #7 left leg has cs3, cs4 10' long cracks with delaminations in side and bottom starting at 1/4 span.
Span #2 unit #7 right leg has cs2 cracks in side for 4' at 3/4 span.
Span #2 unit #8 left leg has cs2, cs3 cracks for 4' bottom and side center span, 3/4 cs3 cracks bottom and side 2' long.

Span #3 unit #2 left leg has cs3, cs4 cracks and delaminated on bottom with rust staining full length.
Span #3 unit #2 right leg has cs4 crack in side for 5' mid span.
Span #3 unit #3 left leg has cs3 cracks bottom and side full length with rust stains.
Span #3 unit #3 right leg has cs3, cs4 cracks for 10' side and bottom at center span with rust staining.
Span #3 unit #4 left leg has cs2, cs3 cracks bottom and side for 10' starting at 1/4 span.
Span #3 unit #4 right leg has cs2 cracks on bottom for 6' starting 1/4 span with rust stains.
Span #3 unit #5 left leg has cs3 cracks in side for 2' mid span.
Span #3 unit #6 left has cs3 cracks and delaminated bottom and side for 10' starting at bent #3, and 6' spall exposed rebar moderate section at 1/4 span, a cs3 cracks in bottom for 3' at bent #4.
Span #3 unit #7 left has cs2 cracks for 3' on bottom at quarter span.
Span #3 unit #7 right leg has cs2, cs3 cracks on bottom for 6' at mid span.
Span #3 unit #8 left leg has cs3 cracks on bottom for 1' mid span with rust stains.



Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton Inspection Date: 01/25/2023

Span #4 unit #1 right leg has cs3, cs4 cracks in bottom for 5' mid span with rust stains.
Span #4 unit #2 left leg has cs3 cracks on side for 3' mid span with light rust stains.
Span #4 unit #2 right leg has cs3 1' long crack on bottom with rust staining center span.
Span #4 unit #3 right leg has a three foot long crack at three quarter span, and a one foot spall with exposed rebar with 10% section loss.
Span #4 unit #3 left leg has cs3, cs4 6' long crack and delaminated on bottom and side starting at 1/4 span.
Span #4 unit #3 right leg has cs4 cracks in bottom for 5' at 3/4 span with rust stains.
Span #4 unit #4 left leg has cs3 4' crack on bottom at 3/4 span with rust stains.
Span #4 unit #5 left leg has cs2 cracks on bottom for 3' mid span.
Span #4 unit #5 right leg has cs3, cs4 7' long crack with delaminations bottom and side with rust stains starting at mid span.
Span #4 unit #6 right leg has cs2 cracks on bottom 4' mid span, 3' cs3 cracks on side at bent #5.
Span #4 unit #8 left leg has cs2 cracks in side for 1' mid span.

Span #5 unit #1 right leg has cs3 cracks in bottom at bent #6 for 3'.
Span #5 unit #2 left leg has cs3 cracks on bottom for 4' at 3/4 span.
Span #5 unit #2 right leg has cs2 cracks on bottom for 3' at 1/4 span.
Span #5 unit #3 left leg has cs3, cs4 10' long crack and delaminated bottom starting at bent #5.
Span #5 unit #3 right leg has cs3, cs4 cracks and delaminated on bottom and side full length with 1' spall rebar exposed no section loss at 1/4span.
Span #5 unit #4 right leg has cs2 cracks on side for 8' starting at 1/4 span.
Span #5 unit #6 left leg has cs3 cracks on bottom and side for 3' at 3/4 span with rust stains.
Span #5 unit #6 right leg has cs2, cs3 cracks on bottom for 6' at 3/4 span.
Span #5 unit #7 left leg has cs3 8' long crack delaminated on bottom with 3' spall exposed rebar with moderate section loss at 1/4 span.
Span #5 unit #7 right leg has cs2 cracks on bottom for 2' at 1/4 span, cs2 cracks on bottom for 4' at 3/4 span with light rust stains.

Span #6 unit #1 right leg has cs3, cs4 cracks and delaminated on bottom full length with a 6" spall with exposed rebar with moderate section loss at 1/4 span.
Span #6 unit #3 right leg has cs3 5' long crack on bottom at 3/4 span.
Span #6 unit #3 left leg has cs2, cs3 cracks on bottom full length.
Span #6 unit #4 left leg has cs2 cracks on bottom for 4' mid span.
Span #6 unit #4 right leg has cs2 cracks on side for 1' mid span.
Span #6 unit #5 left leg has cs2, cs3 cracks on side for 10' first half of span.
Span #6 unit #5 right leg has cs2 cracks on side and bottom for 10' starting at 1/4 span. 2' spall exposed rebar moderate section loss at 1/4 span.
Span #6 unit #8 left leg has cs2, cs3 cracks on bottom and side full length with some light rust staining.

Span #7 unit #1 right leg has cs3 cracks on bottom and side for 3' mid span with light rust stains.
Span #7 unit #2 left leg has cs3 cracks on bottom and side full length with delaminations, 5' spall exposed rebar moderate section starting at mid span.
Span #7 unit #2 right leg has cs2, cs3 5' long crack on bottom at 3/4span, cs2 cracks in bottom for 2' at 1/4 span.
Span #7 unit #3 right leg has cs3 cracks on bottom second half of span with light efflorescence and rust stains.
Span #7 unit #3 left leg has cs2 1' crack on bottom in center with delaminations and rust stains.
Span #7 unit #4 right leg has cs2 cracks on bottom for 2, mid span with rust stains.
Span #7 unit #6 left leg has cs3 cracks on bottom for 3' at 3/4 span.
Span #7 unit #6 right leg has cs3 cracks on bottom and side for 12' starting at 1/4 span.
Span #7 unit #7 left leg has cs3, cs4 cracks and delaminated on bottom and side full length.
Span #7 unit #7 right leg has cs3 cracks on bottom for 10' starting at 1/4 span.
Span #7 unit #8 left leg has cs2, cs3 12' long crack and delaminated on bottom with rust stains starting at 1/4 span.

Span #8 unit #1 right leg has cs3 cracks on bottom and side for 4' with delaminations at 1/4 span. 1' spall exposed rebar moderate section loss at 1/4 span.
Span #8 unit #3 left leg has cs2 3' long crack on bottom at 1/4 span.cs2 cracks on bottom for 5' at 3/4.
Span #8 unit #4 left leg has cs2 cracks on side for 4' at 3/4 span.
Span #8 unit #4 right leg has cs2 cracks in bottom for 2' at 3/4 span.
Span #8 unit #5 left leg has cs2, cs3 cracks on bottom for 10' first half of span.

Span #8 unit #5 right leg has cs3 cracks on bottom for 2' at bent #9.

Span #8 unit #7 left leg has cs3, cs4 cracks and delaminated bottom and side first 3/4 of span. 1' spall exposed rebar moderate section loss at 1/4 span.

Span #8 unit #7 right leg has a 1'spall and cs2 crack in bottom with exposed rebar with moderate section loss at 1/4 span.

Span #9 unit #1 right leg has cs3 3' long crack and delaminated on bottom and side center span.

Span #9 unit #2 left leg has cs2 cracks in side for 3' at mid span.

Span #9 unit #2 right leg has cs3 cracks with delamination on bottom and side full length with 4' spall near center with exposed rebar with moderate section loss.

Span #9 unit #3 right leg has cs3, cs4 cracks with delamination on bottom and side full length, 2' spall exposed rebar moderate section loss at abutment #2.

Span #9 unit #3 left leg has cs3, cs4 cracks on bottom and side full length.

Span #9 unit #4 left leg has a 1' spall with exposed rebar with moderate section loss at mid span.

Span #9 unit #4 right leg has cs2 10' long cracks bottom and side starting at 1/4 span.

Span #9 unit #5 right leg has a cs2 1' long crack on side at bent #10.

Span #9 unit #5 left leg has cs2 cracks and delaminated on bottom and side for 9' starting at 1/4 span.

Span #9 unit #6 left leg has a cs2 3' long cracks with delamination on side and bottom at 1/4 span, cs3, cs4 cracks on bottom and side for 9' starting at mid span with rust stains.

Span #9 unit #6 right leg has a cs3, cs4 15' long cracks on bottom and side starting at 1/4 span.

Span #9 unit #7 left leg has a cs2, cs3 cracks and delaminated on bottom and side full length with rust stains.

Span #9 unit #7 right leg has cs2 cracks on bottom for 1' mid span.

Span #9 unit #8 left leg has cs2 cracks on bottom and side for 3' mid span with rust stains.

Remarks



Span #1 girders



Span #2 girders



Span #3 girders



Span #4 girders



Span #5 girders



Span #6 girders



Span #7 girders



Span #8 girders



Span #9 girders

Maintenance Needs

Date Reported: 01/11/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Grout joints in all spans between units are spalling up to one inch deep.

Remarks



Grout joints in all spans between units are spalling up to one inch deep. Some have been filled with asphalt.



Grout joints in all spans between units are spalling up to one inch deep. Some have been filled with asphalt.

Maintenance Needs

Date Reported: 01/11/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Approach

Deficiency Description

Abutment #2 approach rail right side has collision damage at terminal end.

Remarks



Abutment #2 right approach rail at terminal end

Maintenance Needs

Date Reported: 01/11/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Timber back wall abutment #2 has settled allowing material to erode between cap and back wall.

Remarks



Settlement of abutment-#2 back wall

Maintenance Needs

Date Reported: 01/11/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

All caps on bottoms have spalls with exposed rebar with moderate section loss.

Abutment #1 cap has 1' long corner spalled off near pile #5.

Bent #2 cap ahead face has three 1' delaminated areas.

Bent #3 cap back face has three 6" spalls with exposed rebar with moderate section loss and several delaminations.

Bent #5 cap ahead face at top between piles #2,3 has a 1' spall with no rebar exposed.

Bent#6 cap ahead face has several delaminations and two 6" spalls with rebar exposed with moderate section loss.

Remarks



01/01/2020

Typical spalls on bottom of caps



01/31/2023

Abutment #1 cap has 1' long corner spalled off near pile #5.



Bent #2 cap ahead face has three 1' delaminated areas.



Bent #3 cap back face has three 6" spalls with exposed rebar with moderate section loss and several delaminations.



Bent #5 cap ahead face at top between piles #2,3 has a 1' spall with no rebar exposed.



Bent#6 cap ahead face has several delaminations and two 6" spalls with rebar exposed with moderate section loss.

Maintenance Needs

Date Reported: 01/20/2015

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Channel

Deficiency Description

Abutment #2 slope has minor erosion due to roadway run off.

Remarks



Minor erosion abutment #2 slope

Maintenance Needs

Date Reported: 01/15/2019

Priority: D- Routine

Type of Work: Miscellaneous

Status: Monitor

Component: Channel

Deficiency Description

Trees and vegetation are growing beside and under bridge.

Remarks



Typical vegetation



Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton **Inspection Date:** 01/25/2023

Maintenance Needs

Date Reported: 01/15/2019

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Abutment #2 monument post bottom has a one foot spalled area.

Remarks



Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton **Inspection Date:** 01/25/2023

Maintenance Needs

Date Reported: 01/15/2019

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Span #2 unit #6 deck has transverse open cracks. unable to see due to chip seal

Remarks

Maintenance Needs

Date Reported: 01/25/2023

Priority: D- Routine

Type of Work: Miscellaneous

Status: Open

Component: Element

Deficiency Description

Wearing surface has numourous areas of patches and bad coverage.

Remarks



Typical wearing surface



Asset #M3333(Routine, Underwater type 2)

Sh-50/Sec-1/L16.22 over Little Rabbit Bayou

Location: 0.9 Mi E Jct Sh 50 & 149

Team Lead: Drew Melton Inspection Date: 01/25/2023

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	Yes
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	Yes
A-64 - Vegetation Removal Requested	

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed (Yes)

Gutters have dirt and debris in them.



Typical debris in gutters

A-56 - Joint Cleaning/Flushing Needed

A-57 - Girder End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Girder Painting Needed

A-61 - Polymer Overlay Advised



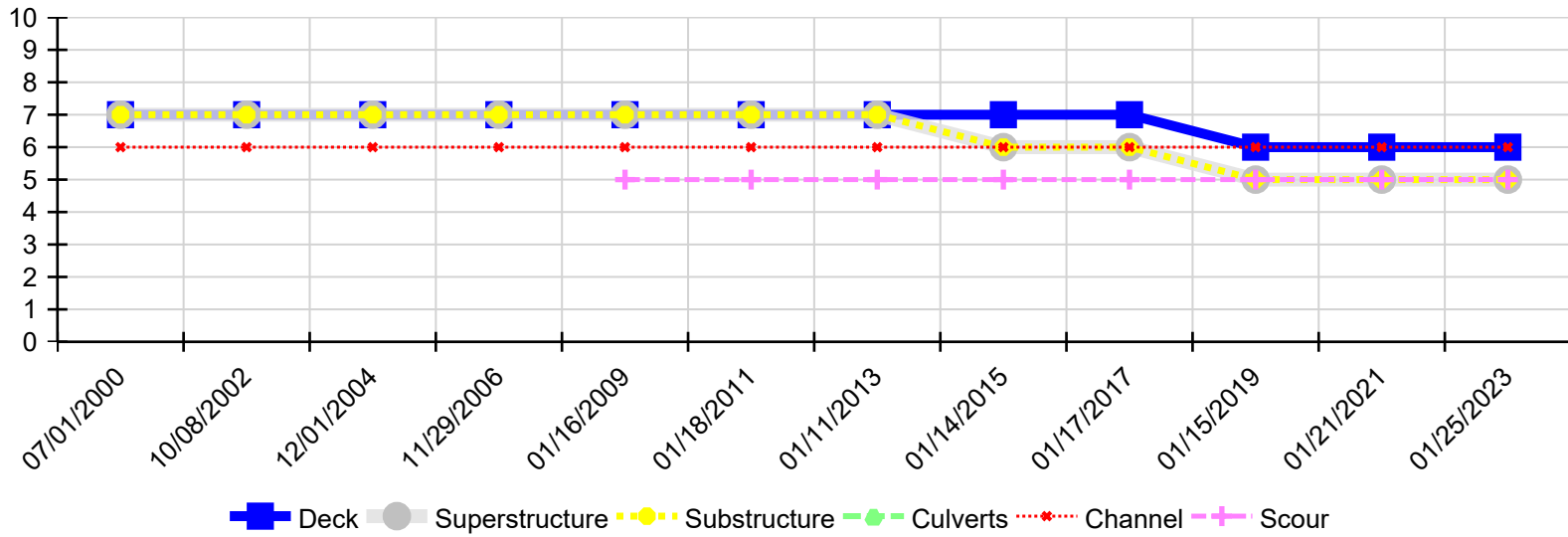
Asset #M3333(Routine, Underwater type 2)
Sh-50/Sec-1/L16.22 over Little Rabbit Bayou
Location: 0.9 Mi E Jct Sh 50 & 149
Team Lead: Drew Melton **Inspection Date:** 01/25/2023

A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage (Yes)
Log mile signs read 16.25 should have read 16.22

A-64 - Vegetation Removal Requested

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/25/2023	6	5	5	N	6	5
01/21/2021	6	5	5	N	6	5
01/15/2019	6	5	5	N	6	5
01/17/2017	7	6	6	N	6	5
01/14/2015	7	6	6	N	6	5
01/11/2013	7	7	7	N	6	5
01/18/2011	7	7	7	N	6	5
01/16/2009	7	7	7	N	6	5
11/29/2006	7	7	7	N	6	N
12/01/2004	7	7	7	N	6	N
10/08/2002	7	7	7	N	6	N
07/01/2000	7	7	7	N	6	N