

SAFE SPAN, L.L.C.

BRIDGE INSPECTION SERVICES

P.O. Box 95

SILVERHILL, ALABAMA 36576

TELEPHONE: (251) 945-6228

OR (850) 418-0457

SAFESPANLLC.COM

Michael W. Sharp, C.B.I.

Pete Peterson, C.B.I.

April 19, 2024

Mayor Ross Houserr
PO Box 890
Magnolia Springs, AL 36555

Re: Bridge 016355 CR 49 over Magnolia River

Enclosed please find the completed 2024 ALDOT inspection forms for the above referenced bridge(s). These forms have been completed and entered into the Alabama Bridge Management System (BrM) and are to be placed in the bridge files. In this package you will find in order:

1. Executive Summary
2. Photographic file
3. Sketch of Deficiencies
4. Streambed Profile
5. BI-4 Form, Streambed Cross Sections
6. BI-5 Form, Bridge Inspection Condition Report
7. BI-6 Form, Structure Inventory and Appraisal
8. BI-9 Form, Bridge Maintenance Estimate
9. BI-13 Form, General Narrative
10. Dive Report

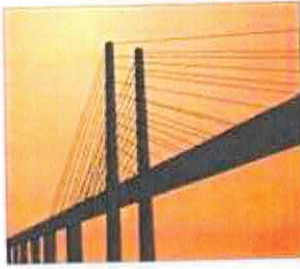
Please note that any maintenance that is needed will be found on the BI-9 Form. **Please sign all forms under "Reviewer". This is defined as someone who is authorized to schedule maintenance.** Safe Span, L.L.C. listed all inspection notes on the BI-5 Form.

We here at Safe Span, L.L.C. appreciate this opportunity, and look forward to working with you in the future. If you or any City personnel wish to discuss these records please do not hesitate to contact us. Thank you again.

Sincerely,


Michael W. Sharp-CBI

Cc: file



SAFE SPAN, L.L.C.
SAFETY INSPECTION OF IN-SERVICE BRIDGES
P.O. Box 95
SILVERHILL, ALABAMA 36576
TELEPHONE: (251) 945-6228
CELL (850) 418-0457
SAFESPANLLC.COM

Michael W. Sharp, CBI

Pete Peterson, CBI

April 19, 2024

Re: Bridge 016355 CR 49 over Magnolia River

EXECUTIVE SUMMARY

The following information relates to the recent routine (24 month) safety inspection (hands-on) and underwater dive for the above referenced in-service bridge:

Findings

1. The deck shows numerous hairline to 1/8" wide cracks located throughout with some map cracking.
2. Two longitudinal cracks that run parallel to the centerline may be full depth. The cracks show some efflorescence on underside of deck. Sounding does not indicate any problems at this time but should be monitored on a routine basis.
3. The remainder of the deck cracking appears to be shrinkage cracks from the concrete curing process. There is some map cracking in both lanes over Bents 2-8. Cracking at Spans 3 & 5 has increased to 1/8" wide.
4. The patch on the piling cap at Bent 5 over Pile C shows some failure of the patching material. Although the patch is crumbling there is no exposure of the reinforcing steel at this time.
5. Moderate drift has collected around most of the bent piles.
6. Underwater inspection was completed on this date. All piles appear to be in good shape and no major issues with scour.

Conclusions

1. The deck and the superstructure are in a **Satisfactory** condition with widespread deck cracking noted.
2. The substructure is in a **Good** condition with light scaling at the waterline.
3. The channel is in a **Good** condition with an aggradation of the streambed since the las inspection.

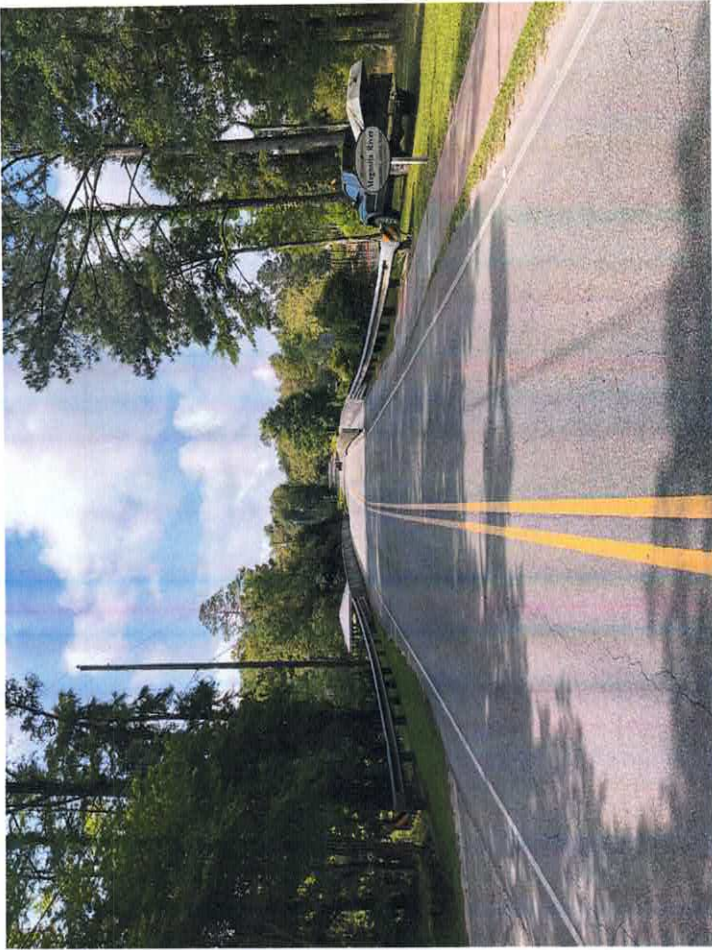
Recommendations

1. Continue to monitor all primary structural components on a routine (24 month) basis.
2. Remove drift around bent piles as needed.
3. Grade guardrail to meet ALDOT Standards.
4. Clean sand/debris from deck/drains as needed.

Bridge 016355 CR 49 over Magnolia River



Upstation



Downstation

4/19/2024

Bridge 016355 CR 49 over Magnolia River



Upstream side view



Downstream side view

4/19/2024

Bridge 016355 CR 49 over Magnolia River



Upstream



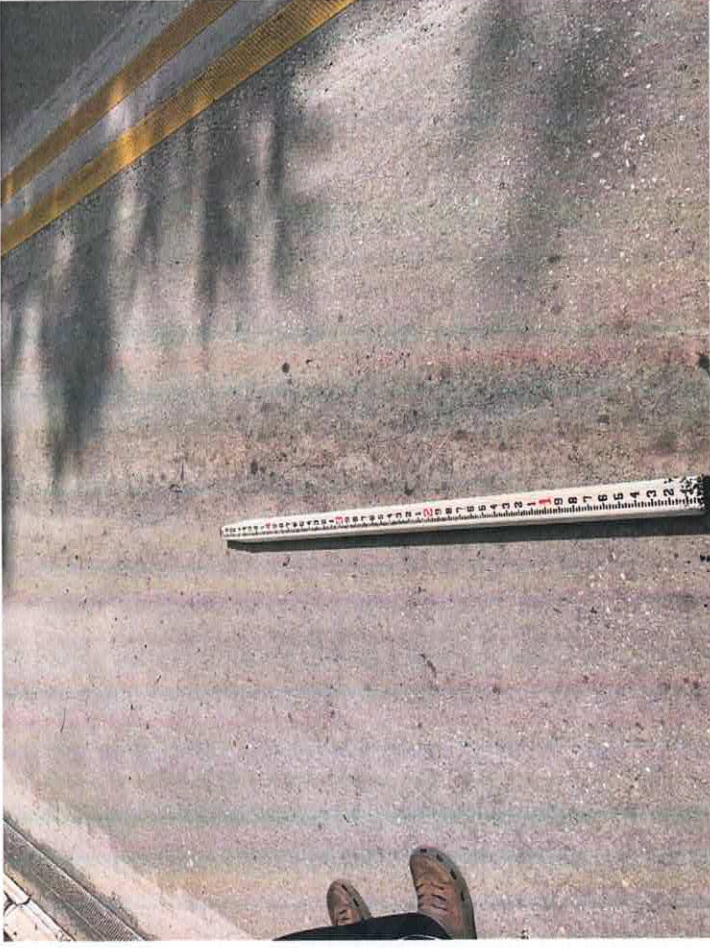
Downstream

4/19/2024

Bridge 016355 CR 49 over Magnolia River



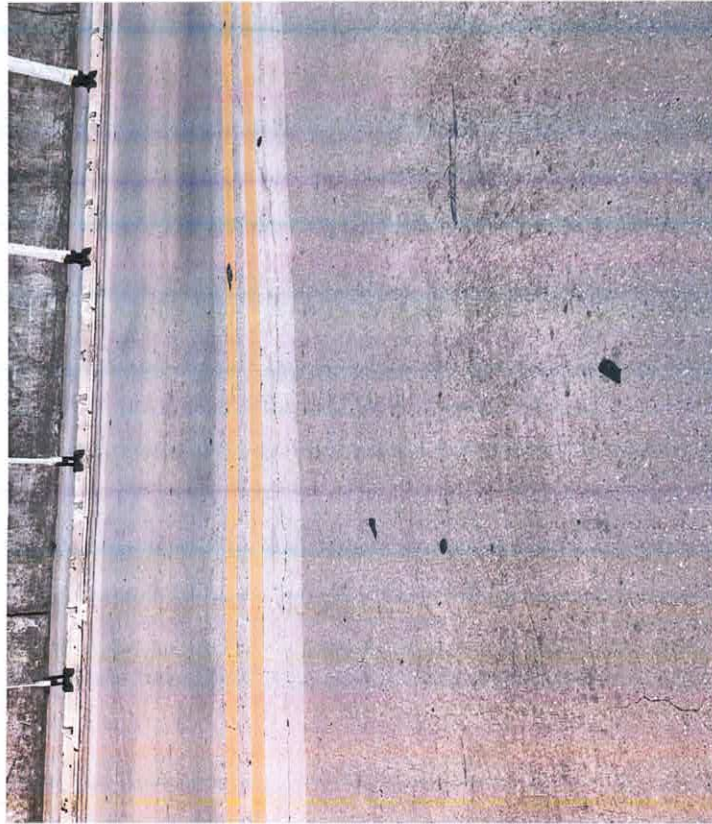
CS3 crack on deck



Deck cracking

4/19/2024

Bridge 016355 CR 49 over Magnolia River



Map cracking on deck throughout



Bent 5 patch and spall

4/19/2024

Bridge 016355 CR 49 over Magnolia River



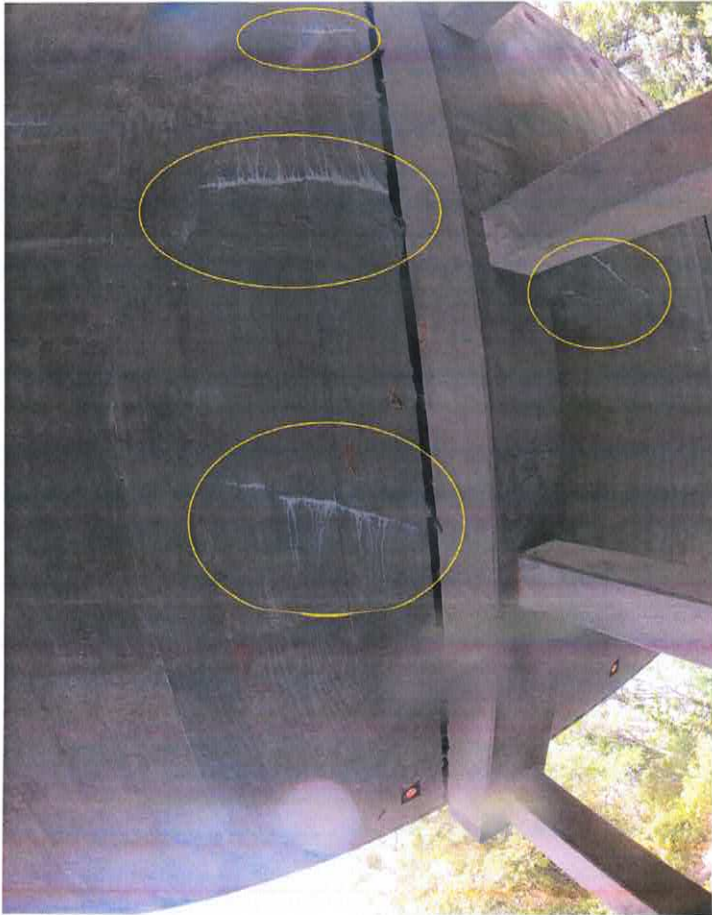
Eff on ceiling



Eff on ceiling (2)

4/19/2024

Bridge 016355 CR 49 over Magnolia River

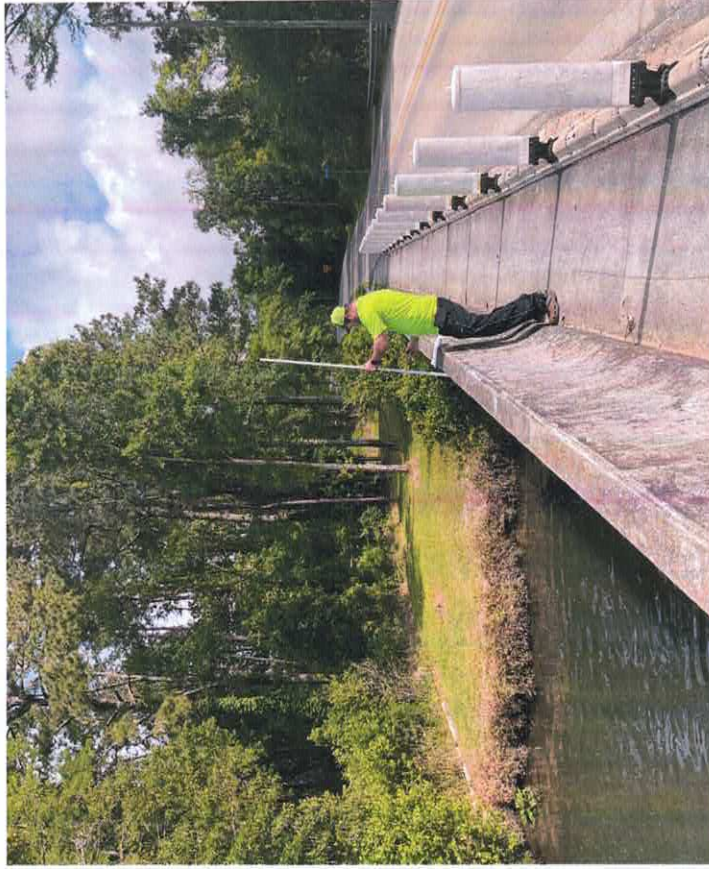


Eff on ceiling (3)



Hairline cracking on concrete railing

Bridge 016355 CR 49 over Magnolia River

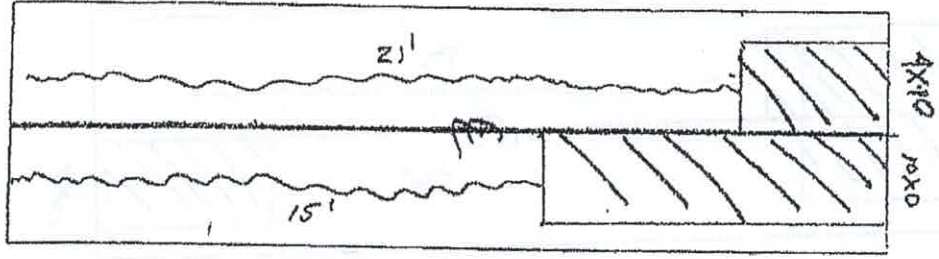


Soundings

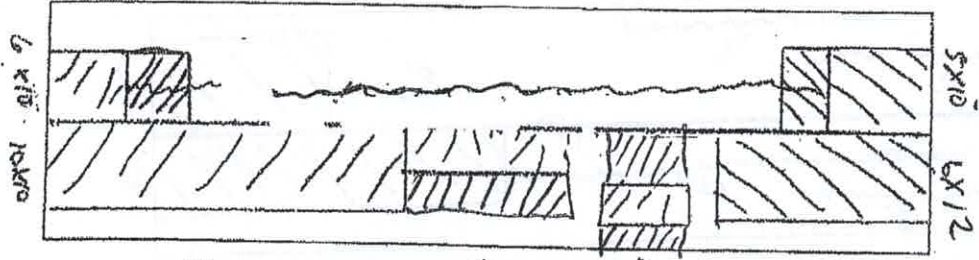
4/19/2024

NO. 16355
Road Name _____
Parade Historical _____

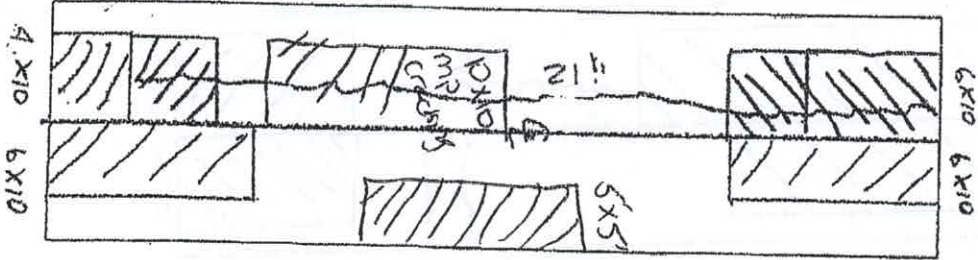
Map No. B
Date 4-19-24



Note/Comments: SPAN 1 176 SF OF CRACKING



Note/Comments: SPAN 2 372 SF OF CRACKING

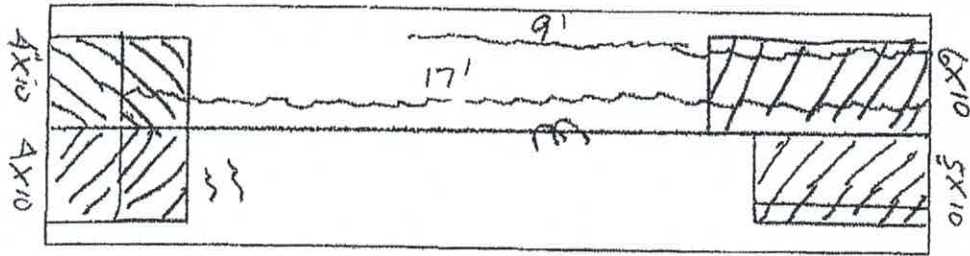


Note/Comments: SPAN 3 366 SF OF CRACKING

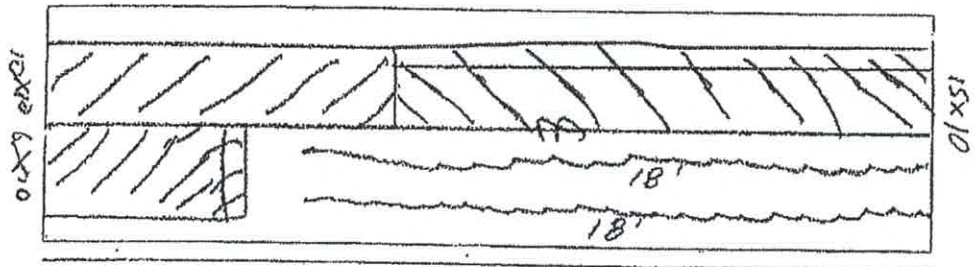


AKIT: 16385
Asphalt:
Fracture Information:

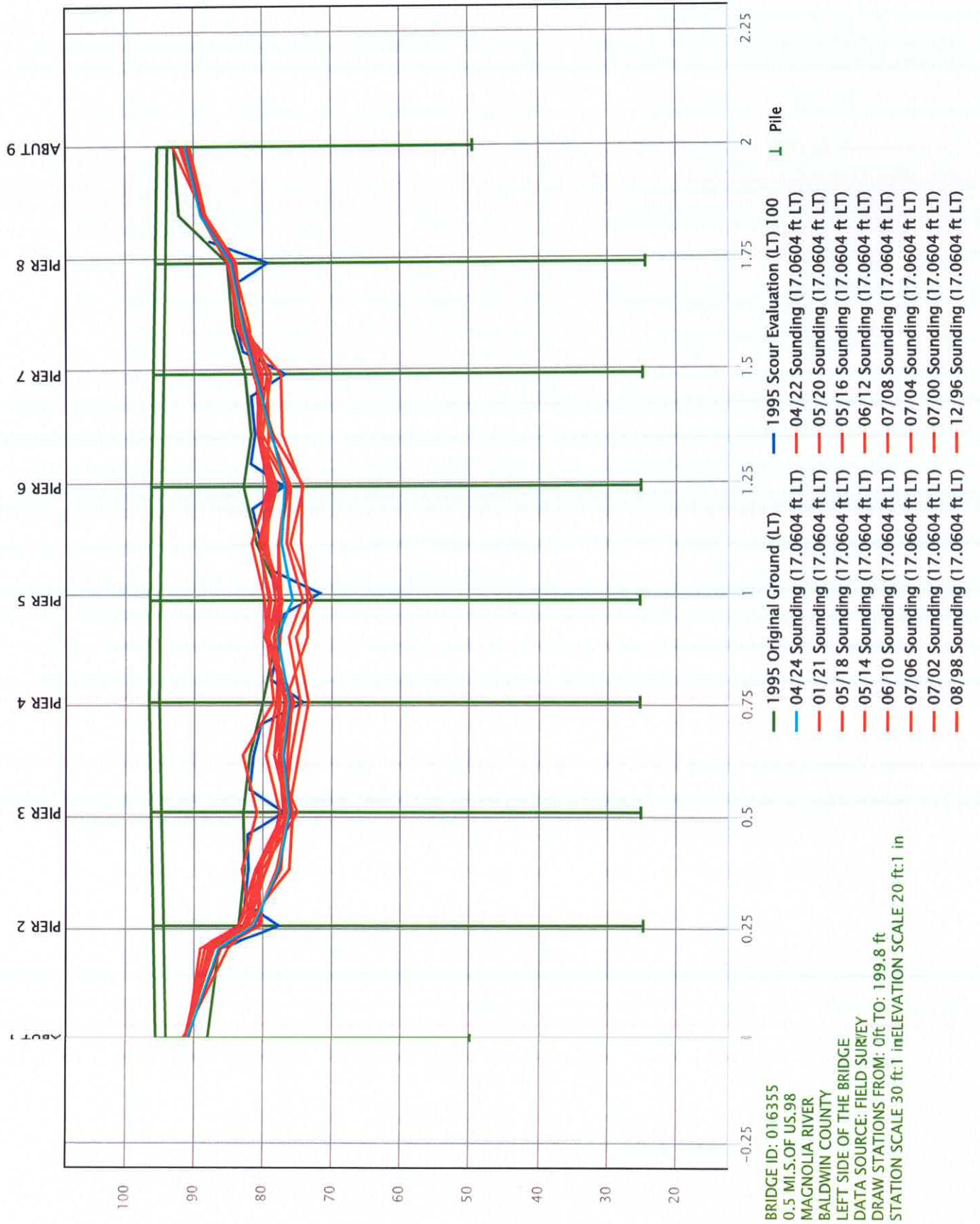
Material:
of Spans: 8
4-18-2024



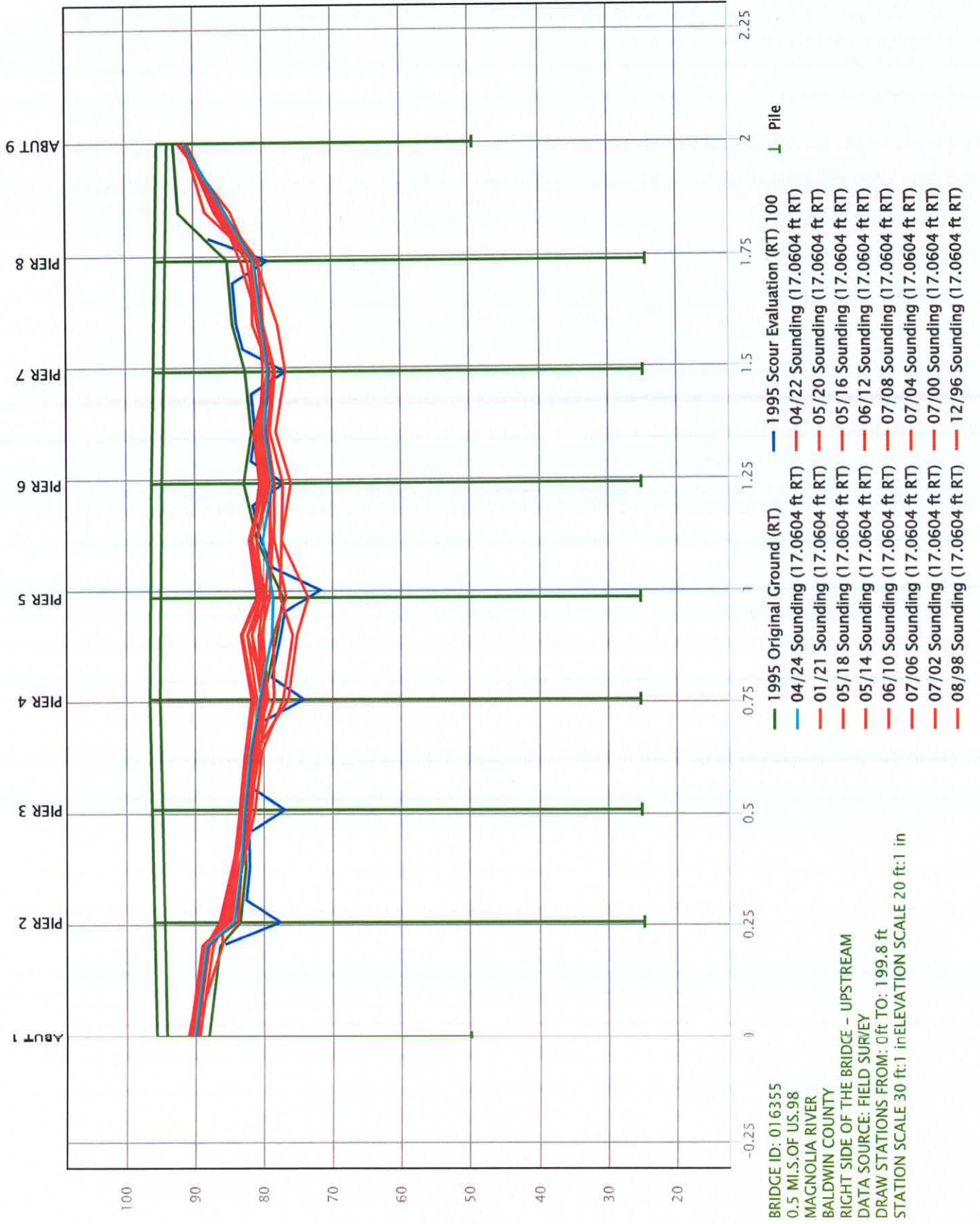
Note/Comments:
SPAN 7 254 SF OF
CRACKING



Note/Comments:
SPAN 8 346 SF OF
CRACKING



BRIDGE ID: 0116355
 0.5 MILES OF US 98
 MAGNOLIA RIVER
 BALDWIN COUNTY
 LEFT SIDE OF THE BRIDGE
 DATA SOURCE: FIELD SURVEY
 DRAW STATIONS FROM: 0ft TO: 199.8 ft
 STATION SCALE 30 ft:1 in ELEVATION SCALE 20 ft:1 in



Streambed Cross Sections

Insp. Date: 8-19-24

FORM: BI-4
BIN: 016355

1 REC

STR. NUM.: OCO0049 020000010700

Sheet: 1 of 2
Printed: 4/24/2024

IDENTIFICATION		
AREA: Mobile	DISTRICT: 02	COUNTY: Baldwin

PREVIOUS VALUES: U.S. CUSTOMARY		
OFFSET: 17.06	SNDING DATE: <u>04 2024</u>	VIEW: <u>L</u>
ELEV BASIS: A	OFST RMRK: FROM CENTERLINE	
ELEV EQ: 0.00 = 0.00	LOCATION OF BM: TOP LT. RAIL 0+00=30.48	
SND/ELEV IND: S	STATION EQ: 0 + 0.0000 = 0 + 0.0000	

STATIONS	<u>CURRENT</u>		<u>NEW</u>	
	SND/ELEV	REMARKS	SND/ELEV	REMARKS
0 + 0.0000	7.2000	ABUT 1		
0 + 20.3400	12.1000	EDGE OF WATER MIDSPAN		
0 + 25.5900	17.3000	BENT 2		
0 + 38.0600	21.1000	MIDSPAN		
0 + 50.8500	22.8000	BENT 3		
0 + 63.6500	22.0000	MIDSPAN		
0 + 75.4600	22.9000	BENT 4		
0 + 89.9000	21.2000	12.6=TOP OF WATER; MS		
0 + 98.4300	23.4000	BENT 5		
1 + 11.2200	21.7000	MIDSPAN		
1 + 24.0200	22.1000	BENT 6		
1 + 35.5000	20.1000	MIDSPAN		
1 + 48.9500	17.6000	BENT 7		
1 + 59.4500	15.7000	MIDSPAN		
1 + 73.8800	13.7000	BENT 8 EDGE OF WATER		
1 + 84.7100	9.1000	MIDSPAN		
1 + 99.8000	6.6000	ABUT 9		

Streambed Cross Sections

Insp. Date: 4-29-24

FORM: BI-4
BIN: 016355

1 REC

STR. NUM.: OCO0049 020000010700

Sheet: 2 of 2
Printed: 4/24/2024

IDENTIFICATION		
AREA: Mobile	DISTRICT: 02	COUNTY: Baldwin

OFFSET: 17.06 ELEV BASIS: A ELEV EQ: 0.00 = 0.00 SND/ELEV IND: S	PREVIOUS VALUES: U.S. CUSTOMARY SENDING DATE: <u>04 2024</u> <u>VIEW: R</u> LOCATION OF BM: TOP LT. RAIL 0+00=30.48 STATION EQ: 0 + 0.0000 = 0 + 0.0000	OFST RMRK: FROM CENTERLINE
---	--	----------------------------

STATIONS	<u>CURRENT</u>		<u>NEW</u>	
	SND/ELEV	REMARKS	SND/ELEV	REMARKS
0 + 0.0000	8.2000	ABUT 1		
0 + 20.3400	10.2000	MIDSPAN		
0 + 25.5900	14.2000	BENT 2 EDGE OF WATER		
0 + 38.0600	15.4000	MIDSPAN		
0 + 50.8500	16.1000	BENT 3		
0 + 63.6500	17.0000	MIDSPAN		
0 + 75.4600	18.4000	BENT 4		
0 + 89.9000	20.3000	MIDSPAN		
0 + 98.4300	20.5000	BENT 5		
1 + 11.2200	18.9000	MIDSPAN		
1 + 24.0200	20.3000	BENT 6 TOP OF WATER =12.4		
1 + 35.5000	19.1000	MIDSPAN		
1 + 48.9500	19.4000	BENT 7		
1 + 59.4500	18.3000	MIDSPAN		
1 + 73.8800	17.0000	BENT 8		
1 + 84.7100	12.7000	MIDSPAN EDGE OF WATER		
1 + 99.8000	6.5000	ABUT 9		

Inspection Report

FORM: BI-5

STR. NUM.: OCO0049 020000010700

Sheet: 1 of 3

BIN: 016355

1 REC

Area: Mobile

Printed: 4/24/2024

INSPECTION

PREVIOUS INSP.: Phillip Pete Peterson

PREVIOUS DATE: 04/19/2024

PREVIOUS INSP. TYPE: Regular NBI

NEW DATE: 4-19-24
NEW INSP. TYPE: _____

RATING

	CURRENT	NEW
58) DECK RATING	5	_____
59) SUPERSTRUCTURE RATING	7	_____
60) SUBSTRUCTURE RATING	7	_____
61) CHANNEL & CHANNEL PROTECTION	8	_____
62) CULVERT RATING	N	_____

REMARKS

See BI-13

MISCELLANEOUS

	CURRENT	NEW
71) WATERWAY ADEQUACY	8	_____
72) APPROACH ROADWAY ADEQ APPRAISAL	6	_____
36) TRAFFIC SAFETY FEATURES		
A) BRIDGE RAIL	1	_____
B) TRANSITION	1	_____
C) APPROACH RAIL	1	_____
D) END TREATMENT	1	_____

LOAD POSTING SIGNS:

- A) REQUIRED _____
- B) PRESENT _____
- C) VISIBLE _____
- D) LEGIBLE _____

Inspection Report

FORM: BI-5
BIN: 016355

STR. NUM.: OCO0049 020000010700
1 REC Area: Mobile

Sheet: 2 of 3
Printed: 4/24/2024

PREVIOUS DATE: 04/19/2024

NEW DATE: 4-19-24

STRUCTURE UNIT: 1

	ELEM #	ELEMENT NAME	ENV	QUANTITY	UNITS	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4
CURRENT:	12	Re Concrete Deck	2	6,623	sq.ft	4,266.00	109.00	2,248.00	0.00
NEW:									
NOTES:	-								
CURRENT:	1120	Efflorescence/Rust Staining	2	96	each	0.00	96.00	0.00	0.00
NEW:									
NOTES:	_Cracks with Efflorescence underside of deck (see BI-13)								
CURRENT:	1130	Cracking (RC and Other)	2	2,248	each	0.00	0.00	2,248.00	0.00
NEW:									
NOTES:	Map cracking located throughout on deck (see sketch). Cracking with eff on ceiling.								
CURRENT:	215	Re Conc Abutment	2	66	ft	66.00	0.00	0.00	0.00
NEW:									
NOTES:	-								
CURRENT:	226	Pre Conc Pile	2	45		45.00	0.00	0.00	0.00
NEW:									
NOTES:	-								
CURRENT:	1190	Abrasion(PSC/RC)	2	35	each	35.00	0.00	0.00	0.00
NEW:									
NOTES:	-								
CURRENT:	234	Re Conc Pier Cap	2	307	ft	302.00	5.00	0.00	0.00
NEW:									
NOTES:	-								
CURRENT:	1000	Delamination/Spall/Patched # 2	2	3	each	0.00	3.00	0.00	0.00
NEW:									
NOTES:	-								
CURRENT:	306	Other Joint	2	34	ft	34.00	0.00	0.00	0.00
NEW:									
NOTES:	-								

Inspection Report

FORM: BI-5
BIN: 016355

STR. NUM.: OCO0049 020000010700
1 REC Area: Mobile

Sheet: 3 of 3
Printed: 4/24/2024

PREVIOUS DATE: 04/19/2024

NEW DATE: 4-19-24

CURRENT: 2350 Debris Impaction 2 34 each 34.00 0.00 0.00 0.00
NEW:
NOTES: -

CURRENT: 331 Re Conc Bridge Railing 2 400 ft 390.00 10.00 0.00 0.00
NEW:
NOTES: -

CURRENT: 1080 Delamination/Spall/Patched # 2 10 each 0.00 10.00 0.00 0.00
NEW:
NOTES: -

REASON FOR INSP. Routine

Pete Peterson 4-29-24 701
INSPECTOR'S SIGNATURE DATE INSP. NBIS CERT NO. ALA. PROF. ENGR. NO.

ARW 5-8-24 MAYOR
REVIEWER'S SIGNATURE DATE REVIEWER'S TITLE

Structure Inventory and Appraisal
STR. NUM.: OCO0049 020000010700

Date: 4-19-24
Sheet: 1 of 9
Printed: 4/24/2024

FORM: BI-6
BIN: 016355

1 REC

Inventory - Admin Subtask

STRUCTURAL IDENTIFICATION		
	CURRENT	NEW
AGENCY BRIDGE ID	016355	
8) NBI STRUCTURE NO	016355	
NAME	?????????????????????????????	

LOCATION		
	CURRENT	NEW
1A) FIPS STATE	01 Alabama	
1B) FHWA REGION	Region 4-Atlanta	
2) AREA	Mobile	
3) COUNTY	Baldwin	
4) CITY/TOWN/PLACECODE	MAGNOLIA SPRINGS	
6A) FEATURE INTERSECTED	MAGNOLIA RIVER	
7) FACILITY CARRIED	Mag. Springs Hwy.	
9) LOCATION	0.5 MI.S.OF US.98	
16) LATITUDE	30D 23M 58.900S	D M S
17) LONGITUDE	87D 46M 11.450S	D M S
98AA) BORDER STATE	Not Applicable (P)	
98B) SHARE(%)	0	%
98AB) BORDER FHWA REGION	Not Applicable	
99) BORDER STRUCT NO	-	

AGE AND SERVICE		
	CURRENT	NEW
27) YEAR BUILT	1996	
106) YEAR RECONSTRUCT	0	
42A) TYPE OF SERVICE ON	1 Highway	
42B) UNDER	5 Waterway	
28B) LANES UNDER	0	

OPERATION		
	CURRENT	NEW
21) MAINT. RESP.	City/Municipal Hwy Agenc	
22) OWNER	City/Municipal Hwy Agenc	
ALDOT DISTRICT	District 2	

CLASSIFICATION INFORMATION		
	CURRENT	NEW
112) NBIS BRIDGE LENGTH	Long Enough	
101) PARALLEL STRUCTURE	No bridge exists	
103) TEMPORARY STRUCTURE	Not Applicable (P)	
37) HISTORIC SIGNIFICANCE	5 Not eligible for NRHP	

Structure Inventory and Appraisal
 STR. NUM.: OCO0049 020000010700

Date: 4-18-24
 Sheet: 2 of 9
 Printed: 4/24/2024

FORM: BI-6
 BIN: 016355

1 REC

Inventory - Design Subtask

DECK		
	CURRENT	NEW
107) DECK STRUCTURE TYPE	1 Concrete-Cast-in-Place	_____
108A) DECK SURFACE TYPE	0 None	_____
108B) DECK MEMBRANE TYPE	0 None	_____
108C) DECK PROTECTION	None	_____
50A) CURB SIDEWALK WIDTH/LEFT	0.00 ft	_____ ft
50B) CURB SIDEWALK WIDTH/RIGHT	0.00 ft	_____ ft
52) DECK WIDTH	33.10 ft	_____ ft
33) BRIDGE MEDIAN	0 No median	_____
DECK AREA	6,623.00	_____ (SF)

STRUCTURE STATUS		
	CURRENT	NEW
BRIDGE STATUS	3 Active	_____

SPANS		
	CURRENT	NEW
45) NUMBER OF MAIN SPANS	8	_____
43A) MAIN SPANS MATERIAL	2 Concrete Continuous	_____
43B) MAIN SPANS DESIGN	01 Slab	_____
46) NUMBER OF APPROACH SPANS	0	_____
44A) APPROACH SPAN MATERIAL	Not Applicable (P)	_____
44B) APPROACH SPAN DESIGN	Not Applicable (P)	_____
34) SKEW	0 D	_____ D
35) STRUCTURE FLARED	0 No flare	_____

LENGTH		
	CURRENT	NEW
48) MAXIMUM SPAN LENGTH	24.90 ft	_____ ft
49) STRUCTURE LENGTH	200.10 ft	_____ ft
TOTAL LENGTH	200.10 ft	_____ ft

Structure Inventory and Appraisal
STR. NUM.: OCO0049 020000010700

Date: 4-19-24
Sheet: 3 of 9
Printed: 4/24/2024

FORM: BI-6
BIN: 016355

1 REC

Inventory - Roads Subtask

IDENTIFICATION		
	CURRENT	NEW
ROAD/ROUTE NAME	CO. RD. 49	_____
5A) POSITION/PREFIX	Route On Structure	_____
5B) KIND HWY. (RT. PREFIX)	4 County Hwy	_____
5C) DESIG. LEVEL SERVICE	1 Mainline	_____
5D) RTE#	00049	_____
5E) SUFFIX	0 N/A (NBI)	_____
6B) CRITICAL FACILITY	Not Applicable	_____

HIGHWAY NETWORKS & SERVICE CLASSIFICATION		
	CURRENT	NEW
11) KILOMETER/MILE POINT	0.006 mi	_____mi
12) NATIONAL BASE NET	Not on Base Network	_____
13A) LRS INVENTORY RTE.	000CO00490	_____
13B) SUB#	00	_____
20) TOTAL FACILITY	3 On free road	_____
26) FUNCTIONAL CLASS	09 Rural Local	_____
102) TRAFFIC DIRECTION	2 2-way traffic	_____

TRAFFIC		
	CURRENT	NEW
28A) LANES	2	_____
SPEED	35 mph	_____mph
29) RECENT ADT	2,535	_____
30) YEAR	2022	_____
109) TRUCK %	1%	_____%
114) FUTURE ADT	4,509	_____
115) FUT. YEAR	2042	_____

ALTERNATE CLASSIFICATIONS		
	CURRENT	NEW
100) DEFENSE HIGHWAY	0 Not a STRAHNET hwy	_____
104) NAT. HWY. SYSTEM	0 Not on NHS	_____
105) FED. LANDS HWY.	0 N/A (NBI)	_____
110) NAT. TRUCK NETWORK	0 Not part of natl netwo	_____
SCHOOL BUS RTE.	No	[]
TRANSIT RTE.	No	[]
EMERGENCY RTE.	No	[]
NBI RTE.	Yes	[]

Structure Inventory and Appraisal
STR. NUM.: OCO0049 020000010700

Date: 4-19-24
Sheet: 4 of 9
Printed: 4/24/2024

FORM: BI-6
BIN: 016355

1 REC

Inventory - Roads Subtask

CLEARANCES		
	CURRENT	NEW
10) VERTICAL	99.99 ft	_____ ft
47) HORIZONTAL	30.20 ft	_____ ft

WIDTHS		
	CURRENT	NEW
32) APPROACH ROAD	34.10 ft	_____ ft
51) ROADWAY	30.20 ft	_____ ft

DETOURS		
	CURRENT	NEW
19) LENGTH	8.00 mi	_____ mi

Structure Inventory and Appraisal
STR. NUM.: OCO0049 020000010700

Date: 4-19-24
Sheet: 5 of 9
Printed: 4/24/2024

FORM: BI-6
BIN: 016355

1 REC

Inventory - Identification Subtask

AGENCY IDENTIFICATION		
	CURRENT	NEW
201) LOCAL IDENTIFIER	0107	_____
215) PREVIOUS STRUCTURE BIN(s)	5567	_____
298) REPLACEMENT BIN	0	_____
214) ADJACENT MAINLINE BIN	0	_____
205) RELATIVE POSITION INDICATOR	0	_____
203) MPO CODE	Not in an MPO	_____
206) CONGRESSIONAL DISTRICT	01	_____
207) SENATE DISTRICT	32	_____
208) HOUSE DISTRICT	095	_____
297) LOCAL COMMISSION DISTRICT	04??	_____
294) BRIDGE NAME / DESIGNATOR	?	_____
210) CPMS REFERENCE NUMBER	NNNNNNNNN	_____
292) PROJECT NUMBER	NNNNNNNNNNNNNNNNNNN	_____
ALABAMA ID	OCO0049 020000010700	_____
ALDOT REGION	Southwest Region	_____

INSPECTION		
	CURRENT	NEW
293) INSPECTION AGENCY	City or Municipal Agency	_____
SPECIAL INSPECTION COUNT	0	_____
92D) SPECIAL INSPECTION TYPE	N/A	_____
92D) SPECIAL INSPECTION TYPE	N/A	_____
92D) SPECIAL INSPECTION TYPE	N/A	_____
92D) SPECIAL INSPECTION TYPE	N/A	_____
SPECIAL EQUIPMENT COUNT	1	_____
222) SPECIAL EQUIPMENT USED	Boat	_____
222) SPECIAL EQUIPMENT USED	N/A	_____
222) SPECIAL EQUIPMENT USED	N/A	_____
222) SPECIAL EQUIPMENT USED	N/A	_____
222) SPECIAL EQUIPMENT USED	N/A	_____
222) SPECIAL EQUIPMENT USED	N/A	_____
222) SPECIAL EQUIPMENT USED	N/A	_____
218) TOTAL EMP-HRS FOR UNDERWATER INSP.	6	_____
219A) SNOOPER INSP. REQUIRED	Snooper Insp. Not Req'd	_____
219B) SNOOPER INSP. FREQUENCY	0	_____
220) LAST SNOOPER INSPECTION DATE	01/01/1900	____/____/____
224A) SCOUR INSPECTION REQUIRED	Scour Monit. Req'd	_____
224B) SCOUR INSPECTION FREQUENCY	24 mo	_____ mo
224C) SPECIAL INSPECTION DETAIL INDICATOR	No Special Details	_____
225A) SCOUR COUNTERMEASURES REQUIRED	Scour Counterterm Not Req'd	_____
225B) SCOUR COUNTERMEASURES PLANNED	01/01/1900	____/____/____
225C) SCOUR COUNTERMEASURES COMPLETED	01/01/1900	____/____/____
113) SCOUR CRITICAL	8 Stable Above Footing	_____
113B) SCOUR CRITICAL BRIDGE DESCRIPTION	Eval Based on Scour Cal	_____
FOUNDATION TYPE	Pile	_____
FOUNDATION ELEVATION	Known	_____
STREAMBED MATERIAL	Clay/Loam	_____

Structure Inventory and Appraisal
 STR. NUM.: OCO0049 020000010700

Date: 4-19-24
 Sheet: 6 of 9
 Printed: 4/24/2024

FORM: BI-6
 BIN: 016355

1 REC

Inventory - Identification Subtask

AGENCY LOAD RATING

	CURRENT	NEW
41) STRUCTURE TRAFFIC STATUS	A Open, no restriction	_____
70) POSTING	5 At/Above Legal Loads	_____
63) OPERATING RATING TYPE	1 LF Load Factor	_____
64) OPERATING RATING	94.90	_____ ton
65) INVENTORY RATING TYPE	1 LF Load Factor	_____
66) INVENTORY RATING	56.90	_____ ton
249) RATING SPECIFICATION USED	LFD	_____
250A) RATING ANALYSIS PERFORMED MAJOR	AASHTO BARS	_____
	Not Rated / Analyzed	_____
251) RATING AGENCY	ALDOT (Maint. Bureau)	_____
252) DATE RATED	01/01/1996	xxxxxxxx
253) RATING STATUS	Rating Published	_____
	No Action	_____
	No Action	_____
254A) LOAD TYPE H	48.7	_____ ton
254B) LOAD TYPE TWO-AXLE	75.4	_____ ton
254C) LOAD TYPE TRI-AXLE DUMP	66.8	_____ ton
254D) LOAD TYPE CONCRETE TRUCK	65.3	_____ ton
254E) LOAD TYPE 18 WHEELER	98.0	_____ ton
254F) LOAD TYPE SIX-AXLE	98.0	_____ ton
254G) LOAD TYPE SCHOOL BUS	61.8	_____ ton
254H) LOAD TYPE EV2	0.0	_____ ton
254I) LOAD TYPE EV3	0.0	_____ ton
257) REASON POSTED	Superstructure	_____
	None / Condition Noted	_____
258A) LAST POST CHANGE REASON	Never Posted	_____
258B) LAST POST CHANGE DATE	01/01/1900	_____/_____/_____
259) POSTING CHART INDICATOR	Include on Posting Chart	_____
261) DATE OF TEMPORARY STRENGTHENING	01/01/1900	_____/_____/_____
262) TYPE OF TEMPORARY STRENGTHENING	None	_____
	None	_____
265) STANDARD DRAWINGS MAIN SPAN		_____
266) STANDARD DRAWING APPROACH SPAN	????????????????????	_____
31) LIVE LOAD	5 MS 18 (HS 20)	_____

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1 REC

Inventory - State Items Subtask

CULVERT		
	CURRENT	NEW
237) CULVERT TYPE	Not Applicable	_____
233A) NUMBER OF BARRELS OR PIPES	0	_____
233B) BARREL LENGTH	0.00 ft	_____ ft
233C) BARREL SPAN	0.00 ft	_____ ft
233D) BARREL HEIGHT	0.00 ft	_____ ft
233E) DEPTH OF FILL	0.00 ft	_____ ft

TYPE		
	CURRENT	NEW
232) HORIZONTAL AND/OR VERTICAL CURVE	Not - Horz or Vert Curve	_____
240A) FRACTURE CRITICAL STRUCTURE GROUP TYPE	Not Applicable	_____
244A) BEGIN ABUTMENT TYPE	Pile Bent	_____
244B) BEGIN ABUTMENT CAP MATERIAL	Reinforced Concrete	_____
244C) BEGIN ABUTMENT CAP TYPE	Cast in Place	_____
244D) BEGIN ABUTMENT FOUNDATION	Prestress Concrete Piles	_____
245A) ENDING ABUTMENT TYPE	Pile Bent	_____
245B) ENDING ABUTMENT CAP MATERIAL	Reinforced Concrete	_____
245C) ENDING ABUTMENT CAP TYPE	Cast in Place	_____
245D) ENDING ABUTMENT FOUNDATION	Prestress Concrete Piles	_____
246A) MAIN SPAN PIER MATERIAL PRIMARY	Prestressed Concrete	_____
MAIN SPAN PIER MATERIAL SECONDARY	Not Applicable	_____
246B) MAIN SPAN PIER TYPE PRIMARY	5 or + Column Pier Bent	_____
MAIN SPAN PIER TYPE SECONDARY	Not Applicable	_____
246C) MAIN SPAN PIER CAP MATERIAL PRIMARY	Reinforced Concrete	_____
MAIN SPAN PIER CAP MATERIAL SECONDARY	Not Applicable	_____
246D) MAIN SPAN PIER CAP STRUCTURE PRIMARY	Cast-in-Place	_____
MAIN SPAN PIER CAP STRUCTURE SECONDARY	Not Applicable	_____
246E) MAIN SPAN PIER FOUNDATION TYPE PRIMARY	Prestressed Conc. Piles	_____
MAIN SPAN PIER FOUNDATION TYPE SECONDARY	Not Applicable	_____
247A) APPROACH SPAN PIER MATERIAL PRIMARY	Not Applicable	_____
APPROACH SPAN PIER MATERIAL SECONDARY	Not Applicable	_____
247B) APPROACH SPAN PIER TYPE PRIMARY	Not Applicable	_____
APPROACH SPAN PIER TYPE SECONDARY	Not Applicable	_____
247C) APPROACH SPAN PIER CAP MATERIAL PRIMARY	Not Applicable	_____
APPROACH SPAN PIER CAP MATERIAL SEC.	Not Applicable	_____
247D) APPROACH SPAN PIER CAP STRUCTURE PRIM.	Not Applicable	_____
APPROACH SPAN PIER CAP STRUCTURE SEC.	Not Applicable	_____
247E) APPROACH SPAN PIER FOUNDATION TYPE PRIM.	Not Applicable	_____
APPROACH SPAN PIER FOUNDATION TYPE SEC.	Not Applicable	_____

PAINT		
	CURRENT	NEW
267) DATE LAST PAINTED	01/01/1900	____/____/____
271A) PRIMER PAINT TYPE	Not Applicable	_____
271B) INTERMEDIATE PAINT TYPE	Not Applicable	_____
271C) FINISH PAINT TYPE	Not Applicable	_____
271D) UNDERCOAT PAINT TYPE	Not Applicable	_____
273) PAINT EXTENT	Not Applicable	_____
274) PAINT COST	0.00	_____

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1 REC

Appraisal Task

STRUCTURAL APPRAISAL		
	CURRENT	NEW
41) OPEN/POSTED/CLOSED	A Open, no restriction	xxxxxx
72) APPROACH ALIGNMENT	6 Equal Min Criteria	_____
36A) BRIDGE RAILINGS	1 Meets Standards	_____
36B) TRANSITIONS	1 Meets Standards	_____
36C) APPROACH GUARDRAIL	1 Meets Standards	_____
36D) APPROACH GUARDRAIL ENDS	1 Meets Standards	_____
111) PIER PROTECTION	Not Applicable (P)	_____
113) SCOUR CRITICAL	8 Stable Above Footing	_____
FRACTURE CRITICAL DETAILS	No FC Details	_____

CALCULATED APPRAISAL RATINGS		
	CURRENT	NEW
67) STRUCTURAL EVALUATION	7 Above Min Criteria	xxxxx
68) DECK GEOMETRY	4 Tolerable	xxxxx
69) UNDERCLEARANCES	N Not applicable (NBI)	xxxxx
SD/FO STATUS	Not Deficient	xxxxx
SUFFICIENCY RATING	<u>86.50</u>	xxxx.x
SUFFICIENCY RATING CALCULATE STATUS	1	xxxxx
HEALTH INDEX	<u>96.55</u>	xxxxx%

CLEARANCES		
	CURRENT	NEW
MINIMUM VERTICAL CLEARANCES		
53) OVER STRUCTURE	99.99 ft	_____ ft
54A) UNDER (REFERENCE)	N Feature not hwy or RR	_____
54B) UNDER CLEARANCE	0.00 ft	_____ ft
MINIMUM LATERAL CLEARANCES		
55A) REFERENCE FEATURE	N Feature not hwy or RR	_____
55B) RIGHT SIDE	99.90 ft	_____ ft
56) LEFT SIDE	0.00 ft	_____ ft
NAVIGATION DATA		
38) NAVIGATION CONTROL EXISTS	Permit Not Required	_____
39) NAVIGATION VERTICAL CLEARANCES	0.00 ft	_____ ft
40) NAVIGATION HORIZONTAL CLEARANCES	0.00 ft	_____ ft
116) MINIMUM VERTICAL LIFT CLEARANCES	0.00 ft	_____ ft

NBI LOAD RATINGS		
	CURRENT	NEW
LOAD RATING REVIEW RECOMMENDED	No	_____
RATING DATE	01/01/1996	xxxxx
31) DESIGN LOAD	5 MS 18 (HS 20)	xxxxxxx
70) POSTING	5 At/Above Legal Loads	_____
63) OPERATING TYPE	1 LF Load Factor	_____
64) OPERATING RATING	94.90	_____ ton
65) INVENTORY TYPE	1 LF Load Factor	_____
66) INVENTORY RATING	56.90	_____ ton

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INSPECTION	
	CURRENT
90) INSPECTION DATE	4/19/2024
91) FREQUENCY	24 mo
93A) FC INSPECTION DATE	N/A
92A) FC FREQUENCY	
93B) UW INSPECTION DATE	4/19/2024
92B) UW FREQUENCY	48 mo
93C) SPECIAL INSPECTION DATE	N/A
92C) SPECIAL FREQUENCY	

CONDITION	
	CURRENT
58) DECK	5 Fair
59) SUPER	7 Good
60) SUB	7 Good
61) CHANNEL/CHANNEL PROTECTION	8 Protected
62) CULVERT	N N/A (NBI)

BRIDGE REPLACEMENT	
	CURRENT
PROGRAM YEAR	0
PRIORITY	X
LOAD DEFICIENCY POINTS	0.0000
WIDTH DEFICIENCY POINTS	7.8000
VERT. CIR. DEFICIENCY POINTS	0.0000
CONDITION DEFICIENCY POINTS	0.0000
TOTAL DEFICIENCY POINTS	7.8000
LOCAL RANK	1 of 252
STATEWIDE RANK	754 of 1,676

<u><i>Pete Peterson</i></u>	<u>4-29-24</u>	<u>701</u>	or	_____
INSPECTOR'S SIGNATURE	DATE	INSP. NBIS CERT. NO.		ALA. PROF. ENGR. NO.
<u><i>JRA</i></u>	<u>5-8-24</u>	<u>Major</u>		_____
REVIEWER'S SIGNATURE	DATE	REVIEWER'S TITLE		

Bridge Maintenance Needed

FORM: BI-9

STR. NUM.: OCO0049 020000010700

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1 REC
Fide Johnson

INSPECTED BY:

DATE: 4-29-24

REVIEWED BY:

[Signature]

DATE: 5-8-24

ACT CODE
B29

DESCRIPTION
B29 DRIFT REMOVAL

UNITS
HR

QTY
16.00

PRIORITY
High

STAT

NC: _____ REMARK: Remove drift from Substructure as needed.

C: _____ NEW QTY: _____

NEW PRIORITY: _____

NEW REMARK: _____

B06

B06 MINOR DECK REP - CONCRETE

SQFT

331.00

Medium

NC: _____ REMARK: CLEAN/EPOXY ALL CRACKS ON TOP OF AND UNDERSIDE OF BRIDGE DECK AS NEEDED.

C: _____ NEW QTY: _____

NEW PRIORITY: _____

NEW REMARK: _____

NEW ACTIVITY: B: _____ ACTIVITY DESCRIPTION: _____

UNIT: _____ QTY: _____ PRIORITY: _____

NEW REMARK: _____

NEW ACTIVITY: B: _____ ACTIVITY DESCRIPTION: _____

UNIT: _____ QTY: _____ PRIORITY: _____

NEW REMARK: _____

NEW ACTIVITY: B: _____ ACTIVITY DESCRIPTION: _____

UNIT: _____ QTY: _____ PRIORITY: _____

NEW REMARK: _____

NEW ACTIVITY: B: _____ ACTIVITY DESCRIPTION: _____

UNIT: _____ QTY: _____ PRIORITY: _____

NEW REMARK: _____

General Narrative Form

FORM: BI-13
BIN: 016355

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1 REC

USER ID	DATE	TYPE	COMMENTS
Pontis	01/01/1995	R	RYF PROPOSED STRUCTURE: 2- 4 SPAN CONTINUOUS RC SLABS W/ 25' SPANS TO BE CONSTRUCTED UNDER PROJ 406300.10 SET 4.
Pontis	01/16/1996	R	RYF RATED PROPOSED STR. USING LF. MF BARS R5.5M2.0. INV = 2 58 OPER = 2 97 : POST = LEGAL ALL VEHICLES.
Pontis	08/17/1998	G	WHM 58-DECK 58.6-RAILING: CONCRETE BARRIER RAILS SHOW HAIRLINE SHRINKAGE CRACKS LOCATED THROUGHOUT. 58.8-DRAINS: ACCUMULATION OF SAND/DEBRIS IN GUTTER- LINES. 60-SUBSTRUCTURE 60.1.F-ABUT./EROSION: POTHOLES HAVE APPEARED AT EDGE OF PAVEMENT AT JUNCTION OF WING AND BACKWALL-NEAR RIGHT AND FAR LEFT CORNERS.
Pontis	07/24/2000	G	MWS * SAME AS PREVIOUS INSPECTION W/FOLLOWING ADDITIONS 58-DECK 58.6-RAILING: MINOR SPALL ON BARRIER RAIL AT END TREATMENT FAR LEFT. 58.8-DRAINS: GUTTERLINES AND DRAINS ARE CLEAR OF SAND AND DEBRIS. 60-SUBSTRUCTURE 60.1.F-ABUT/EROSION: POTHOLES AT EDGE OF PAVEMENT AT WINGS AND BACKWALLS HAVE BEEN REPAIRED.
Pontis	02/11/2001	G	WHM * UNDERWATER INSPECTION BY LLOYD PITTS, P.E.; C.B.I. DEFICIENCIES: LIGHT SCALING IN THE WET/DRY ZONE, POSSIBLY DUE TO SALINITY OF THE WATER. CORRECTIVE ACTION: MONITOR SCALING OF CONCRETE PILES. NO CORRECTIVE ACTION NECESSARY AT THIS TIME
Pontis	07/08/2002	G	MWS * SAME AS PREVIOUS INSPECTION W/FOLLOWING ADDITIONS: 58-DECK 58.2-STRUCTURAL: SPAN 5 RIGHT LANE SHOWS HAIR LINE CRACKS. CONSTRUCTION JOINTS SHOW MINOR HAIR LINE CRACKS. 58.12-EXPANSION JOINTS: COUNTY CREW PLACED JOINT FILLER MAT.
Pontis	07/13/2004	G	MWS * SAME AS PREVIOUS INSPECTION W/FOLLOWING ADDITIONS: 58-DECK 58.2-STRUCTURAL: DECK SHOWS HAIRLINE SHRINKAGE CRACKS @ SPAN 6 RIGHT AND LEFT LANE. SPAN 8 RIGHT AND LEFT LANE. SPAN 9 LEFT LANE. ** MISCELLANEOUS ** 275.APPROACH ROADWAY: BOTH APPROACHES NEED TO BE LEVELED W/POTHOLE @ ABUT.1.
Pontis	04/10/2005	R	WHM ***UNDERWATER UNSPECETION BY LLOYD PITTS,P.E., CBI THERE IS MINOR SCALING AND LOSS OF THE CONCRETE MATRIX IN THE WET/DRY ZONE. NO CORRECTIVE ACTION NECESSARY AT THIS TIME.
Pontis	07/20/2006	R	WHM *NO ADDITIONAL DEFICIENCIES NOTED AT THIS INSPECTION*
Pontis	02/26/2008	A	JDH ITEM 21 BEFORE = 02 ITEM 21 AFTER = 04 ITEM 293 BEFORE = 02 ITEM 293 AFTER = 04

Pontis	07/12/2008	R	<p>WHM 58-DECK 58.2-STRUCTURAL: DECK SHOWS HAIRLINE TO 1/8" WIDE CRACK ENTIRE LENGTH OF STRUCTURE 2' FROM CENTERLINE IN NORTHBOUND LANE. DECK SHOWS HAIRLINE TO 1/8" WIDE CRACK ENTIRE LENGTH IN CENTER OF SOUTHBOUND LANE. DECK SHOWS MINOR POPOUTS AND MINOR MAP CRACKING LOCATED THROUGHOUT. UNDERSIDE OF DECK SHOWS THAT CRACK IN SOUTH- BOUND LANE APPEARS TO BE FULL DEPTH AND SHOWS AREAS OF EFFLOR- ESCENCE. ALL CRACKS APPEAR TO BE SHRINKAGE CRACKS FROM THE CURING PROCESS DURING CONSTRUCTION. 58.6-RAILING: BARRIER RAIL SHOWS A SPALL ON OUTSIDE FACE AT BENT 8/RIGHT SIDE THAT IS 18"L X 9"W X 1"D. RAIL SHOWS A MINOR SPALL AT FAR RIGHT END ON TOP FACE THAT IS 3" ROUND AND 1"D. 58.12-EXP. JOINTS/DEVICES: EXPANSION JOINT AT CENTER OF DECK IS FILLED WITH SAND/DEBRIS. 59-SUPERSTRUCTURE 59.1.A-BEARING DEVICES: ASPHALT FELT/TAR PAPER BOND BREAKER BETWEEN DECK SLAB AND PILING CAPS APPEARS TO BE BRITTLE AND SHOWING SIGNS OF AGE. 60-SUBSTRUCTURE 60.2.A-BENTS/CAPS: PILING CAP AT BENT 5 OVER PILE C/NEAR FACE SHOWS A SPALL 36"L X 21"W X 3"D. 61-CHANNEL 61.3-DRIFT: LARGE TREE IN CHANNEL ON UPSTREAM SIDE AT BENT 6. 275-APPROACH ROADWAY CONDITON: MINOR SETTLEMENT HAS OCCURRED AT BOTH APPROACHES AND ASPHALT IS BREAKING APART. 36-TRAFFIC SAFETY FEATURES 36.D-END TREATMENT: THERE IS MINOR EROSION BEHIND END TREATMENT AT SOUTHWEST CORNER. BRUSH OBSCURES HAZARD STICKERS ON END TREAT- MENTS/EAST SIDE. ***UNDERWATER INSPECTION BY LLOY PITTS, P.E., C.B.I.*** THERE IS MINOR SCALING AND LOSS OF THE CONCRETE MATRIX IN THE WET/DRY ZONE. THERE IS SOME LOSS OF THE LARGER AGGREGATE UP TO 3/8" DEEP. NO CORRECTIVE ACTION NECESSARY AT THIS TIME BUT CONDITIONS SHOULD BE MONITORED AND POSSIBLE APPLICATION OF ACID RESISTANT SEALER IN THE FUTURE TO STOP LOSS OF CONCRETE MATRIX.</p>
Pontis	06/26/2010	R	<p>WHM 58-DECK 58.8-DRAINS: ACCUMULATION OF SAND/DEBRIS IN GUTTERLINES HAS BLOCKED SOME DRAINHOLES. 60-SUBSTRUCTURE 60.2.A-BENTS/CAPS: THE SPALL AT BENT 5 OVER PILE C NOW SHOWS EXPOSED REINFORCING STEEL. 61-CHANNEL 61.3-DRIFT: MINOR AMOUNT OF DRIFT ON UPSTREAM SIDE AT BENT 4.</p>
Pontis	08/12/2010	R	<p>WHM THE FOLLOWING ITEMS OF WORK WERE COMPLETED BY SHANE PARKER OF OF PARKER CONSTRUCTION FOR THE PRICE OF \$2,000.00: 1. CLEANED/PATCHED SPALL W/EXPOSED REBAR AT BENT 5/CAP OVER PILE C 2. REMOVAL OF LARGE AMOUNT OF DEBRIS UNDER SPAN 4 3. CLEANED SAND/DEBRIS FROM DECK/DRAINS 4. CLEANED/PATCHED SPALLS ON BARRIER RAIL AT FAR RIGHT CORNER</p>
Pontis	06/16/2012	R	<p>WHM 58-DECK 58.2-STRUCTURAL: 1. DECK SHOWS HAIRLINE MAP CRACKING IN BOTH LA OVER BENTS 2-8. 2. BOTTOM FACE OF DECK SHOWS 5' LONG HAIRLINE CRACKS WITH EFFLORESCENCE OVER PILE C SPANS 1-3. 3. SPANS 1 AND 2 SHOW HAIRLINE CRACKS W/EFFLORESCENCE ALONG CENTER LINE ENTIRE LENGTH. 4. SPAN 5 SHOWS 4' LONG HAIRLINE CRACKS W/EFFLORESCENCE OVER PILE B-D. 60-SUBSTRUCTURE 60.2.A-BENTS/CAPS: PATCH AT BENT 5/CAP APPEARS TO BE FAILING AROUND THE EDGES OF THE PATCH AND HAS CRUMBLED BUT REAMINS INTACT. 275-APPROACH ROADWAY CONDITION: BOTH APPROACHES HAVE BEEN LEVELED</p>
Pontis	06/30/2012	R	<p>WHM ***UNDERWATER INSPECTION BY SHANE PARKER, CBI*** PILES SHOW MINOR SCALING AND LOSS OF THE CONCRETE MATRIX W/LOSS OF SOME OF THE LARGER AGGREGATE IN THE WET/DRY ZONE. PILES ARE COVERED WITH ALGAE FROM THE MUDLINE UPWARDS. SCALING MAY BE DUE TO FERTILIZER RUNOFF INTO MAGNOLIA RIVER. MAY CONSIDER COATING WITH ACID RESISTANT SEALER AND CONTINUE TO MONITOR.</p>

Pontis	05/10/2014	R	<p>WHM 58-DECK 58.2-STRUCTURAL: HAIRLINE MAP CRACKING AT SPAN 5/NORTHBOUND LN HAS INCREASED FROM HAIRLINE TO 1/8"WIDE. ALSO MAP CRACKING AT SPAN 3/BOTH LINES HAS INCREASED TO 1/8" WIDE. 58.11-JOINT LEAKAGE: THE SILICONE JOINT FILLER MATERIAL IS COMING OUT OF THE EXPANSION JOINT AT THE MIDDLE OF THE BRIDGE. 60-SUBSTRUCTURE 60.2.E-BENTS/SCOUR: SEE BI-4 REPORT. DUE TO THE RECENT HIGH- FLOW EVENT, LOCAL SCOUR HAS OCCURED FROM BENTS 3-7/BOTH SIDES. SCOUR RANGES FROM 1'-7'. SAFE SPAN PRINTED ONLY THE LAST (2) PROFILES TO SHOW THE COMPARISON FROM THE LAST INSPECTION. 61-CHANNEL 61.1-CHANNEL SHOWS SCOUR FROM BENTS 3-7/BOTH SIDES UP TO 7'. 61.2-EMBANKMENT EROSION: HAS OCCURRED AROUND GUARDRAIL PLATFORMS AT ALL (4) CORNERS. DO NOT MEET ALDOT STANDARD OF 28". 61.3-DRIFT: HAS ACCUMULATED ON UPSTREAM SIDE AT BENTS 4 & 5. 275-APPROACH ROADWAY CONDITION-THERE IS AN AREA OF EROSION UNDER THE EDGE OF PAVEMENT AT THE SOUTHEAST CORNER AT THE GUARDRAIL.</p>
MackeyW	05/16/2016	G	<p>58-Deck 58.2-Structural: The following quantities were derived for the Element Level inspection and refer to minor map cracking; Bent 2=160 SF, Bent 3=180 SF, Bent 4=240 SF, Bent 6=300 SF, Bent 7=200 SF and Bent 8=200 SF. Crack along the centerline=200 SF.</p>
MackeyW	05/07/2018	G	<p>58-Deck 58.6-railing: Several additional hairline vertical cracks are visible on barrier rails. 58.8- Drains: The gutterlines are filled with sand/debris. 58.11-The expansion joint at Bent 5 is packed with sand/debris. 275-Approach roadway Condition: There is some minor settlement at the bridge ends. ***The thermoplastic center/edgeline striping has begun to fail in several locations. ***The notes regarding the map cracking on the deck from 5/16/16 should read "spans" rather than "bents".</p>
SharpM	04/28/2020	G	<p>Same as previous inspection w/following additions: See file for Deck Sketch of Deficiencies. Underside of Deck notes as follows: Span 1 shows 2 cracks 4'L X at bent 2 over piles 2-3. Span 2 shows a crack at centerline 23' L w/Efflorescence. Span 3 shows a crack 12'L from Bent 3 with Efflorescence and 2 cracks at Bent 4 over piles 2-3. Span 5 shows a crack at centerline 8'L with Efflorescence and (2) 5'L cracks at Bent 6 over 2-3 with Efflorescence. Span 6 shows a 10'L crack from Bent 6 over pile 3 with Efflorescence and a 10'L crack at Bent 7 over pile 3 with Efflorescence. Span 7 shows a crack at Centerline 23'L with Efflorescence. Span 8 shows (2) cracks 23'L each with Efflorescence between piles 2-3 and 3-4. Patch on Bent 5 cap is no longer sound 32"X 18". *** See 2020 Dive Report*** Debris at Bent Piles 3-8.</p>
PetersonP	01/19/2021	G	<p>Post Hurricane Sally inspection. Recorded cross sections and performed an underwater inspection on 1-18-21. Up to 6 ft of local scour noted. Some piles could not be fully inspected due to large amounts of debris. Moderate and heavy debris located throughout.</p>
PetersonP	04/15/2022	G	<p>Exposed aggregate on piles in the wet/dry zone. Numerous hairline cracks on the ceiling located throughout with eff evident . Moderate debris evident in the channel. Light marine growth on piles (typ).</p>

ALDOT UNDERWATER PILE INSPECTION FORM

1. BIN 016355
 2. DATE 4-19-2024
 3. DIVISION _____
 4. COUNTY Baldwin
 5. STRUCTURE # _____
 6. WATERWAY Magnolia River
 7. ELEVATION (TOP OF RAIL TO WATER SURFACE) _____

Diver Official Use Only

Boat _____ Walk In

Special Equipment Needs: _____

Max Depth 13'

8. LEVEL OF INSPECTION: 1 2 3

9. INSPECTION TYPE: ROUTINE CONSTRUCTION INTERIM INVENTORY OTHER

TYPE OF PILES: STEEL H PILE ENCASED CONCRETE PILE PRE STRESS TIMBER

10. PILES PER BENT: # 5 TOWER BENT: YES NO # _____ STRUTS: YES NO

11. CONFIGURATION OF PILES PILE SIZE: 18" DIAG. BRACING: YES NO HORZ. BRACING: YES NO

12. BOTTOM TYPE: MUD SILT SAND CLAY GRAVEL ROCK RIP RAP

13. MARINE GROWTH: NONE LIGHT MODERATE HEAVY

14. ABRASION/SCALING: NONE LIGHT MODERATE HEAVY

15. HONEYCOMB: NONE LIGHT MODERATE HEAVY

16. SPALLS: NONE LIGHT MODERATE HEAVY

17. COLLISION DAMAGE: NONE LIGHT MODERATE HEAVY

18. CRACKING: NONE LIGHT MODERATE HEAVY

19. DRIFT: NONE LIGHT MODERATE HEAVY

20. CONST. DEBRIS: NONE LIGHT MODERATE HEAVY

21. EXPOSED STEEL: YES NO PILE REINFORCEMENT

22. OVERALL UW. PILE SCORE: 7

23. OVERALL SCORE OF UW. BRACING: N/A

24. OVERALL SCORE OF UW. CONNECTORS: N/A

25. FLOW DIRECTION: SOUTH NORTH WEST EAST TIDAL

26. SCOUR COUNTERMEASURES OBSERVED: YES NO

27. SCOUR EVALUATION RECOMMENDED @ SITE: YES NO

28. DIVER RECOMMENDATIONS: None at this time.

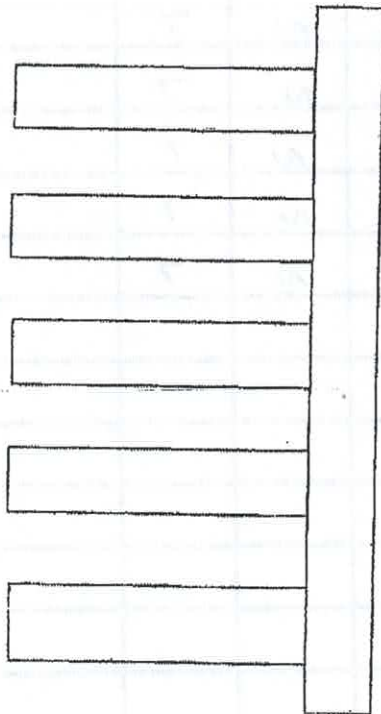
29. TOPSIDE INSPECTOR: MMDSU ACBI # 373 DATE 4-19-24

30. DIVER INSPECTOR: Pete Peterson ACBI # 701 DATE 4-19-24

Bent Inspection Sheet
Spoke Bent

Bent # 16855
Road Name _____
Feature Utilized _____

Bent # 12, 3, 4, 6, 7, 8, 9



Cap Material _____
Riv. Type _____
of Spoke 8
Sheet 1 of 1

Bent # 5

