



Latitude:32.15559, Longitude:-84.47749

Route:00122 Log:4

District 3, Marion County

Owner: 2-County Highway Agency

Team Leader: Jason Edwards

IDENTIFICATION	
(1) State Names	13-Georgia
(8) Structure Number	197-5022-0
(5) Inventory Route	00122
(2) Highway Agency District	3
(3) County Code	Marion
(4) Place Code	0
(6) Features Intersected	LANAHASSEE CREEK
(7) Facility Carried	BILL MERRITT ROAD
(9) Location	10.5 MI SE OF BUENA VISTA
(11) Mile Point	4 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	1972012200
(16) Latitude	32.15559
(17) Longitude	-84.47749
(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	0
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	5
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0-None (no additional concrete thickness)
Type of Membrane	0-None
Type of Deck Protection	8-Unknown
AGE AND SERVICE	
(27) Year Built	1960
(106) Year Reconstructed	
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	70
(30) Year of ADT	2011
(109) Truck ADT	1 %
(19) Bypass, Detour Length	11 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	16 ft
(49) Structure Length	80 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	23.9 ft
(52) Deck Width Out to Out	25.2 ft
(32) Approach Roadway Width (W/Shoulders)	18 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	23.9 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 wat
(111) Pier Protection	0-Not Applicable (P)
(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	9-Rural Local
(100) Defense Highway	0-The inventory route is not a
(101) Parallel Structure	N-No parallel structure exists
(102) Direction of Traffic	2-2 - way traffic
(103) Temporary Structure	T-Temporary structure(s) or condition
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	0-The inventory route is not part o
(20) Toll	3-On free road. The structure is tol
(21) Maintain	2-Courty Highway Agency
(22) Owner	2-Courty Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NR
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	1
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	0
(64) Operating Rating	
Type	0-Field evaluation and documented engineering
Rating	0
(65) Inventory Rating Method	0-Field evaluation and documen
(66) Inventory Rating	
Type	5
Rating	0
(70) Bridge Posting	0-> 39.9% below
(41) Structure Open/Posted/Closed	B-Open, posting recommended bu
APPRAISAL	
(67) Structural Evaluation	1
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	6
(36) Traffic Safety Features	0000
A) Bridge Railings	0-Inspected feature does not meet c
B) Transitions	0-Inspected feature does not meet c
C) Approach Guardrail	0-Inspected feature does not meet c
D) Approach Guardrail Ends	0-Inspected feature does not meet c
(113) Scour Critical Bridges	U-Bridge with "unknown" foundation
PROPOSED IMPROVEMENTS	
(75) Type of Work	31-Replacement of bridge or ot
(76) Length of Structure Improvement	1400 ft
(94) Bridge Improvement Cost	\$ 83
(95) Roadway Improvement Cost	\$ 110
(96) Total Project Cost	\$ 226
(97) Year of Improvement Cost Estimate	1990
(114) Future ADT	105
(115) Year of Future ADT	2031
INSPECTIONS	
(90) Inspection Date	04/2019
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No
B: Underwater Inspection	No
C: Other Special Inspection	No

Evaluation

Deck

NBIS Condition: 7 **Material:** O. Concrete **Deck Wearing Surface:** 0-None (no additional concrete thickness or wearing surface is included in the bridge deck)

Deck Evaluation:
4.5" concrete deck

Minor shrinkage cracking and light scaling.
All deck joints are leaking.

Superstructure

NBIS Condition: 7 **Material:** M. Steel **Year Painted:** 1960 **Paint Type:** 1- Lead Chromate Oil Alkyd System

Five spans with (7) W 12 x 27 steel beams spaced at 4'.

Paint is peeling and flaking on all beams.
Minor corrosion on bottom flanges.

Substructure

NBIS Condition: 1 **Material:** K. Timber-
Concrete **Year Painted:** **Paint Type:** 0- Not Applicable

Two concrete abutments with driven timber piles.
Four concrete intermediate bents with (4) original timber piles.
Several of the original timber piles have been replaced as noted below:

Pile 3 at bent 2 has been replaced with a straddle bent (5 total piles)
All piles at bent 3 are the original piles (4 total piles)
Piles 2,3, and 4 at bent 4 have been replaced with a straddle bent (7 total piles)
Piles 2 and 3 at bent 5 have been replaced with a straddle bent (6 total piles)

The bank at bent 2 around pile 1 has +/- 4' scour from last inspection.

Pile 1 at bent 2 is 100% rotten.

Pile 1, bent 3 has 1 1/2" outer shell rot.

Straddle bent caps have moderate corrosion.

Structure is Temp. Shored. Substructure condition code reflects the substructure with out repairs.

General

This Bridge:

Elements & Defects

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	2020	2020	0	0	0
107	Steel Open Girder/Beam	LF	560	490	70	0	0
1000	Corrosion	LF	14	0	14	0	0
515	Steel Protective Coating	SF	2005	0	0	2005	0
3440	Effectiveness (Steel Protective Coatings)	SF	401	0	0	401	0
215	Reinforced Concrete Abutment	LF	52	52	0	0	0
228	Timber Pile	EA	22	20	0	1	1
1140	Decay/Section Loss	EA	1	0	0	0	1
234	Reinforced Concrete Pier Cap	LF	104	104	0	0	0
301	Pourable Joint Seal	LF	120	0	0	120	0
2310	Leakage	LF	24	0	0	24	0

Maintenance Items

Activity	Priority	Location	Comments
520-Brush and Tree Cutting	C	Both sides	cut and remove
800-Bridge Joint Sealing	C	all joints	clean and seal
845-Other Bridge Maintenance	B	upstream	remove beaver dam
000-Bridge Painting	C	all beams	clean and paint
825-Pile Replacement	B	Pile 1, bent 2 and pile 1, bent 3	

Superstructure Data

Span #	Beam Type	Beam Spacing (ft)	Span Length (ft)	# Beams	Remarks
1	Steel Beam	4	16	7	W1 2X27
2	Steel Beam	4	16	7	W1 2X27
3	Steel Beam	4	16	7	W1 2X27
4	Steel Beam	4	16	7	W1 2X27
5	Steel Beam	4	16	7	W1 2X27

Bearing Data

Span #	Rear Type Bearing	Forward Type Bearing	Remarks
1	Beam on Cap	Beam on Cap	
2	Beam on Cap	Beam on Cap	
3	Beam on Cap	Beam on Cap	
4	Beam on Cap	Beam on Cap	
5	Beam on Cap	Beam on Cap	

Waterway Information

Span #	Length (ft)	Station	Upstream+	Upstream-	Downstream+	Downstream-
1	16	1	1.5		2.1	
2	16	2	9.6	9	5.6	5
3	16	3	10.3	11.3	10	8
4	16	4	11.2	11.6	12.3	13
5	16	5	5.5	6.2	6.6	6.6
		6		1.4		2

Underwater Report

Dive Supervisor:

Diver:

Standby Diver:

Bents Inspected:

Bent Construction:

Boat Used:

Inspection Type:

Maximum Water Depth:

Water Level Reference:

Bridge Inspection Procedure:

Condition Ratings:

Substructure: 1 Channel Protection: 7 Scour: 8 Underwater: 10 Waterway Adequacy: 7

Detailed Inspection:

Collision Information

Beam Type

Span Number with Beam Damage:

Total Number of Beams in Span:

Number of Damaged Beams:

Minimum Vertical Clearance: -

Actual Vertical Clearance: -

Posted Vertical Clearance: -

Damage Location in Span:

Repairs Required: No

Repairs Made:

Additional Comments:



Required sideview



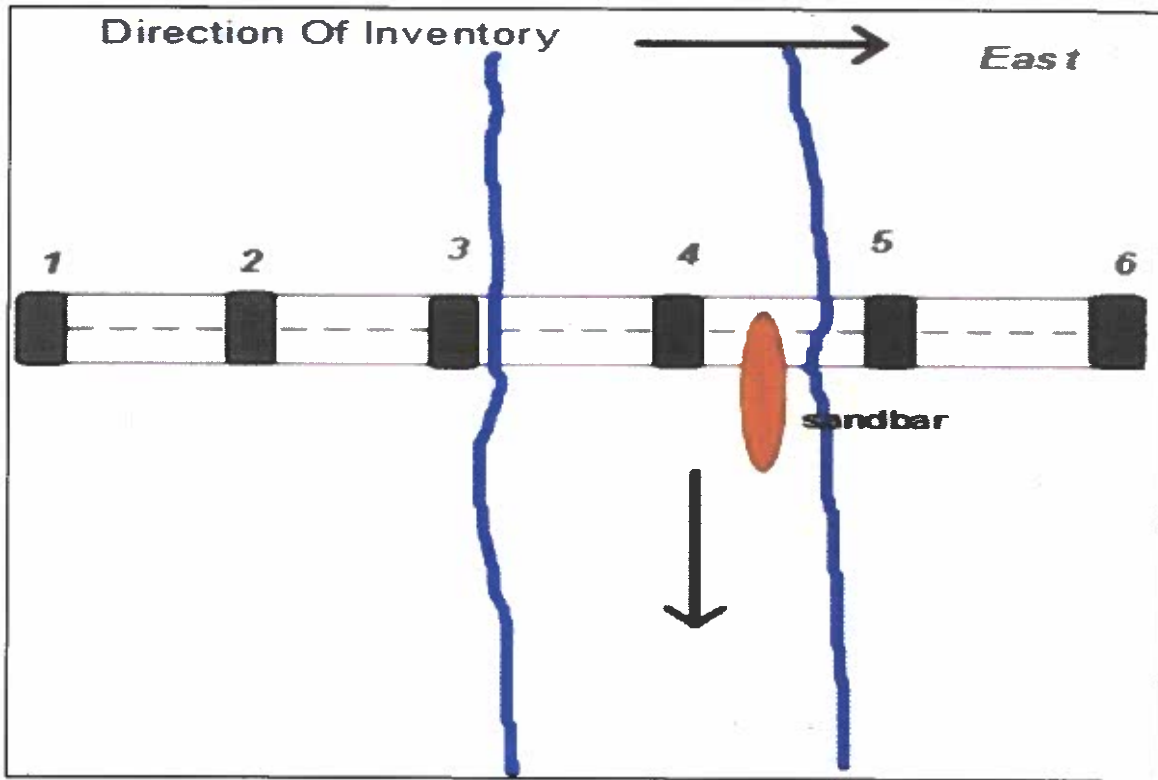
Pile 1, bent 2 is 100% rotten



Required roadway



Superstructure



drawing