NC DEPARTMENT OF TRANSPORTATION ATTENTION:
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

Structure Safety Report

2 Year Complete Topside and Underwater Element Inspection

COUNTY: AVERY STRUCTURE NUMBER: 050056 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1321 MILE POST:

LOCATION: 0.5 MI.SE.JCT.SR1324

FEATURE INTERSECTED: CURTIS CREEK

LATITUDE: 36° 9' 23.07" LONGITUDE: 81° 55' 41.59"

SUPERSTRUCTURE: TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE: E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CENTERS

1 @ 16'-6
SPANS: 1 @ 16"-6

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

PRESENT CONDITION: Fair INSPECTION DATE: 03/19/2015

POSTED SV: 10 POSTED TTST: 17

OTHER SIGNS PRESENT:



Sign noticed issued for		Number Required
NO	WEIGHT LIMIT	0
NO	DELINEATORS	0
NO	NARROW BRIDGE	0
NO	ONE LANE BRIDGE	0
NO	LOW CLEARANCE	0

LOOKING NORTH AT APPROACH

INSPECTED BY	SIGNATURE	ASSISTED BY
JOHN HOUSTON		KSH; MEC

BRIDGE I & A FORM 1(97) AA SHEET 1 AA

BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES OR STRUCTURES WITH TEMPORARY REPAIRS MADE TO KEEP A BRIDGE OPEN

BRIDGE: 050056 COUNTY: Avery DATE: 11/7/07

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE TO KEEP THE BRIDGE OPEN :

	CODE	BY
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	T	DDL
S I & A ITEM 59 - SUPERSTRUCTURE	4	DDL
S I & A ITEM 60 - SUBSTRUCTURE		

VOID

S I & A ITEM 64 OPERATING RATING HS 4.0 BY: AJL

S I & A ITEM 66 - INVENTORY RATING HS 3.0 BY: AJL

COMMENTS

Joists #1 & #10 supplemented.

Not Temp TMS 07/31/15

Revised 11/7/2006

Span Element Report

Structure Number: 050056 Inspection Date: 03/19/2015

Span Number 1 Span Length 16.5 Feet Number of Beams/Girders: 12

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	330	0	330	0	0	330	3324
111		Timber Open Girder/Beam	216	0	215	1	0	216	3304
228		Timber Pile	8	0	8	0	0	16	3344
235		Timber Pier Cap	48	0	48	0	0	48	3344
332		Timber Bridge Railing	34	0	34	0	0	34	3316
510		Wearing Surface	315	0	315	0	0	315	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantites

Structure Number: 050056 Inspection Date: 03/19/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	330	0	330	0	0	330	3324	☐ Requested
☑ Bridge Rail	1	332	Timber Bridge Railing	17	0	17	0	0	17	3316	☐ Requested
☑ Bridge Rail	2	332	Timber Bridge Railing	17	0	17	0	0	17	3316	☐ Requested
☑ Wearing Surfaces		510	Wearing Surface	315	0	315	0	0	315	2816	☐ Requested
☑ Beam	1	111	Timber Open Girder/Beam	18	0	17	1	0	18	3304	☐ Requested
☑ Beam	2	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	3	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	4	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	5	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	6	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	7	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	8	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	9	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	10	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	11	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☑ Beam	12	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 050056 Inspection Date: 03/19/2015

Span Number 1

Span 1	Deck	1	Component Name:	Timber Deck

Element: 31 Name Timber Deck Qty: 330 Lvl 2: 330 Lvl 3 0 Lvl 4 0 Maint. Qty 330

Defect Description:

32 Square Feet of Decay/Section Loss: Affects less than 10% of the member section. DECAY TO BOARD ENDS UP TO 3" DEEP.
298 Square Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Bridge Rail	1	Component Name:	Timber Rail

Element: 332 Name Timber Bridge Railing Qty: 17 Lvl 2: 17 Lvl 3 0 Lvl 4 0 Maint. Qty 17

Defect Description:

17 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Bridge Rail	2	Component Name:	Timber Rail

Element: 332 Name Timber Bridge Railing Qty: 17 Lvl 2: 17 Lvl 3 0 Lvl 4 0 Maint. Qty 17

Defect Description:

17 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Wearing Surfaces		Component Name:	Asphalt Wearing Surface

Element: 510 Name Wearing Surface Qty: 315 Lvl 2: 315 Lvl 3 0 Lvl 4 0 Maint. Qty 315

Defect Description:

315 Square Feet of Effectiveness (Wearing Surface): Substantially effective. DEterioration of the protected element has slowed. RANDOM CRACKS.

Span 1	Beam	1	Component Name:	Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 17 Lvl 3 1 Lvl 4 0 Maint. Qty 18

Defect Description:

2 Feet of Decay/Section Loss: Affects less than 10% of the member section. DECAY AT SOUTH END 20"L x 4"H x 3/4"D.
1 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. DECAY AT NORTH END UP TO 3" DEEP.
15 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Beam	2	Component Name:	Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18

Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Beam	3	Component Name:	Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18

Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Beam	4	Component Name:	Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18

Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1	Beam	5	Component Name:	Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18

Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1 Beam 6 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1 Beam 7 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1 Beam 8 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1 Beam 9 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1 Beam 10 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1 Beam 11 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

Span 1 Beam 12 Component Name: Timber Joist

Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3 0 Lvl 4 0 Maint. Qty 18
Defect Description:

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Substructure Detailed Element Quantites

Structure Number: 050056

Inspection Date: 03/19/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Caps	1	235	Timber Pier Cap	24	0	24	0	0	24	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Caps	1	235	Timber Pier Cap	24	0	24	0	0	24	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 050056 Inspection Date: 03/19/2015

End Bent 1

End Bent 1 Row 1 Caps 1

Element: 235 Name Timber Pier Cap Qty: 24 Lvl 2: 24 Lvl 3 0 Lvl 4 0 Maint. Qty 24
Defect Description:

1 Feet of Decay/Section Loss: Affects less than 10% of the member section. END DECAY UP TO 3/4" DEEP.
23 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone. RANDOM CHECKS.

End Bent 1 Row 1 Piles and Columns 1

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 1 Row 1 Piles and Columns 2

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 1 Row 1 Piles and Columns 3

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 1 Row 1 Piles and Columns 4

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 2 Row 1 Caps 1

Element: 235 Name Timber Pier Cap Qty: 24 Lvl 2: 24 Lvl 3 0 Lvl 4 0 Maint. Qty 24
Defect Description:

1 Feet of Decay/Section Loss: Affects less than 10% of the member section. END DECAY UP TO 3/4" DEEP.
23 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone. RANDOM CHECKS.

End Bent 2 Row 1 Piles and Columns 1

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 2 Row 1 Piles and Columns 2

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 2 Row 1 Piles and Columns 3

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 2 Row 1 Piles and Columns 4

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 2

Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

National Bridge and NC Inspection Items

Structure Number: 050056 Inspection Date: 03/19/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	6
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	5
Item 72: Approach Roadway Alignment	0 - 9 , N	6

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Wingwall	G, F, P, or C			
Scour	G, F, P, or C	G		
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	10		

Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	N
Inspection Time	Hours	12
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 050056 Inspection Date: 03/19/2015

Item	Presently Posted	Grade	Y	Maint Code		Qty.	0

Details 10 AND 17 TONS.



BEAM 1 DECAY SOUTH END



BEAM 1 DECAY NORTH END



ABUTMENT 1 CAP END DECAY



DECK BOARD END DECAY



ABUTMENT 2 CAP END DECAY



LOOKING NORTH AT APPROACH



LOOKING NORTH



LOOKING EAST



LOOKING WEST



LOOKING SOUTH



LOOKING SOUTH AT APPROACH



WEARING SURFACE



EAST PROFILE



WEST PROFILE



BEAMS



ABUTMENT 2

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Update Date: 08/12/2015

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **050056**
(8) STRUCTURE NUMBER(FEDERAL) 000000000110056
(5) INVENTORY ROUTE (ON/UNDER) - ON 31013210
(2) STATE HIGHWAY DEPARTMENT DISTRICT 2
(3) COUNTY CODE 11 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - CURTIS CREEK
(7) FACILITY CARRIED SR1321
(9) LOCATION 0.5 MI SE JCT SR1324
(11)MILEPOINT 0
(16)LAT 36° 9' 23.07" (17)LONG 81° 55' 41.59"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Wood or Timber
TYPE - Stringer Multibeam or Girder CODE 702
(44) STRUCTURE TYPE APPR
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 1
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 8 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1964
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFC 420
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 99 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 15 FT
(49) STRUCTURE LENGTH 17 FT
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 19.083 FT
(52) DECK WIDTH OUT TO OUT 20 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 15 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 30° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 19.083 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDER CLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEARRT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEARLT REF - 000 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZOITAL CLEARANCE 0 FT

SUFFICIENCY RATING = 31.19
STATUS = Functionally Obsolete

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - NO
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
(20) TOLL On Free Road 3
(31) MAINTAIN - State Highway Agency 01
(22) OWNER - State Highway Agency 01
(37) HISTORICAL SIGNIFICANCE - Not Eligible 5

CONDITION — CODE

(58) DECK 6
(59) SUPERSTRUCTURE 6
(60) SUBSTRUCTURE 6
(61) CHANNEL & CHANNEL PROTECTION 7
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Allowable Stress 2
(64) OPERATING RATING - HS-10 18
(65) INVENTORY RATING METHOD - Allowable Stress 2
(66) INVENTORY RATING - HS-6 11
(70) BRIDGE POSTING - Posting Required 0
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 3
(68) DECK GEOMETRY 2
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 5
(72) APPROACH ROADWAY ALIGNMENT 6
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES U

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 840 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 03/19/2015
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - YES 24Mo B) 03/19/2015
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Update Date: 08/12/2015

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
AVERY	11	2	050056	17 FEET

ROUTE CARRIED : SR1321

FEATURE INTERSECTED : CURTIS CREEK

LOCATED : 0.5 MI.SE.JCT.SR1324

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	420 2012	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1964	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	120	ON 2 UNDER 0

NAVIGATION :				HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC 0	FT	4 FT	1	FT

SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE : E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CENTERS

SPANS : 1 @ 16'-6

BEAMS OR GIRDERS : 8 LINES & 2 DOUBLE LINES 6X12 TIMBER JOISTS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/10 AWS		20 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :	
19.083 FT	19.75 FT	LT .3 FT	RT .3 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :			
HS-6	HS-10	IntJoist	SV 10	TTST 17	DATE	09/05/2006

SYSTEM : Secondary S.R. Route

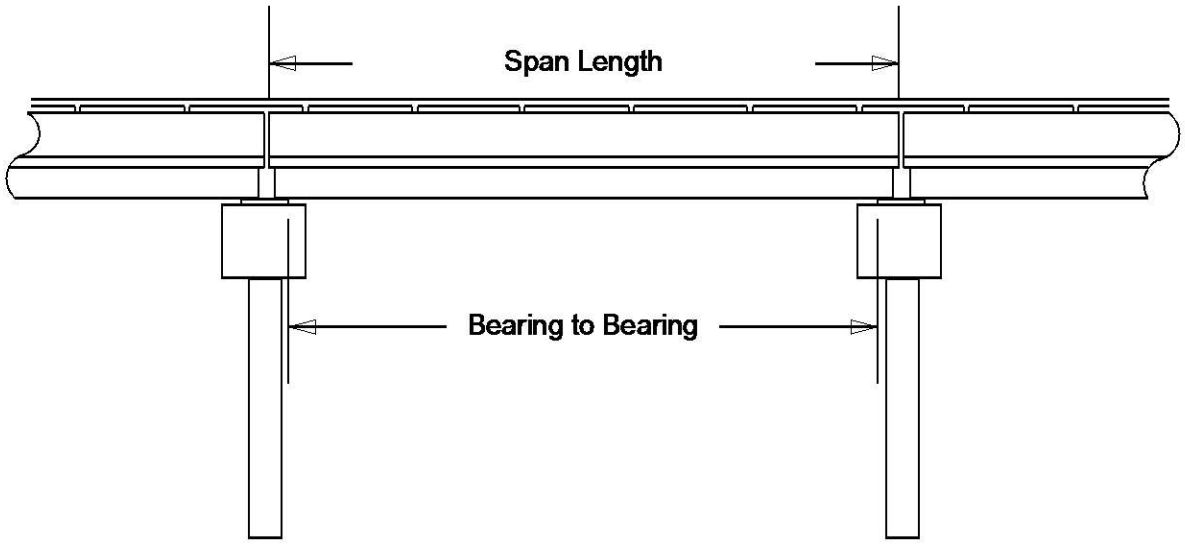
GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

Structure Data Worksheet

County: AVERY Structure No: 050056 Date: Inspected By: JCH



Span No	Span Length	Bearing to Bearing	Comments
1	16 FT. 6 IN.	15 ft. 0 in.	NBIS: 14.5'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 050056 County: AVERY Date: By: JCH

Record sounding from top of rail. Other location if needed:

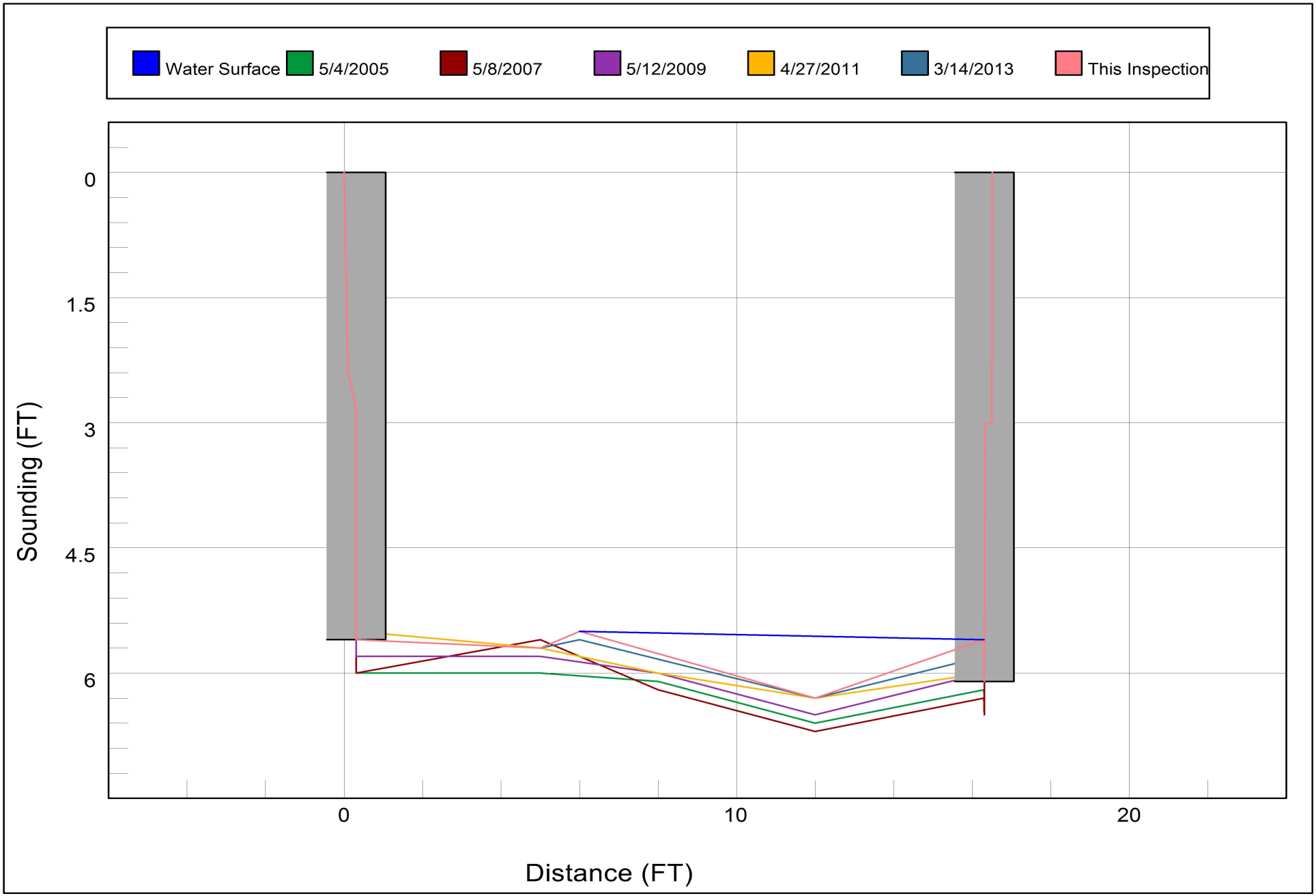
Distance from Highwater Mark to top of rail: Location of Highwater Mark:

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	0	TOP OF RAIL			
0.1	2.4	TOP OF FF			
0.3	2.8	TOP OF FF			
0.3	4.3	Top of Cap			
0.31	5.6	FACE OF ABUTMENT	0.31	6.2	FACE OF ABUTMENT
5	5.7	SLOPE			
6	5.5	Water Surface/Water Edge (WSWE)			
12	6.3	BED			
16.3	5.6	Water Surface/Water Edge (WSWE)			
16.31	6.1	FACE OF ABUTMENT	16.31	5.3	FACE OF ABUTMENT
16.32	4.2	Top of Cap			
16.33	3	TOP OF FF			
16.5	3	TOP OF FF			
16.51	0	TOP OF RAIL			

Bridge: 050056 County AVERY Date:

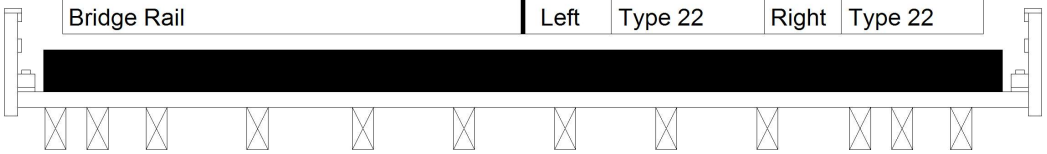
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



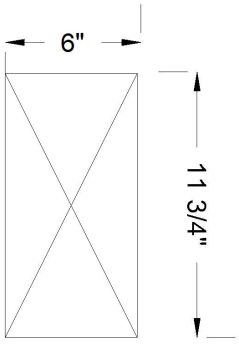
Bridge Inspection Field Sketch

Deck Width/Out to Out	20ft	Between Rails				19.750ft
Clear Roadway	19.083ft	Wearing Surface				0.833ft
Median Width		Median Height				
Curb Height		Left	0.167ft	Right	0.167ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left		Right		
Top of Rail to Deck/Wearing Surface		Left	2.1ft	Right	2.1ft	
Bridge Rail		Left	Type 22	Right	Type 22	



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.75
Top of Rail to Bottom of Beam	4.250	Right Overhang	0.75

Beam Number	Beam Type	Spacing	Comments
1	Timber (Rectangular)	0.833ft	
2	Timber (Rectangular)	1.167ft	ADDED
3	Timber (Rectangular)	2.0ft	
4	Timber (Rectangular)	2.083ft	
5	Timber (Rectangular)	2.0ft	
6	Timber (Rectangular)	2.0ft	
7	Timber (Rectangular)	2.0ft	
8	Timber (Rectangular)	2.0ft	
9	Timber (Rectangular)	1.833ft	
10	Timber (Rectangular)	0.833ft	
11	Timber (Rectangular)	1.167ft	ADDED
12	Timber (Rectangular)	ft	



Title	Description
TS	SUPER

Bridge No:	Drawn By:	Date:	File Name:
050056	JCH	03/19/2015	S0126000016

Bridge Inspection Field Sketch

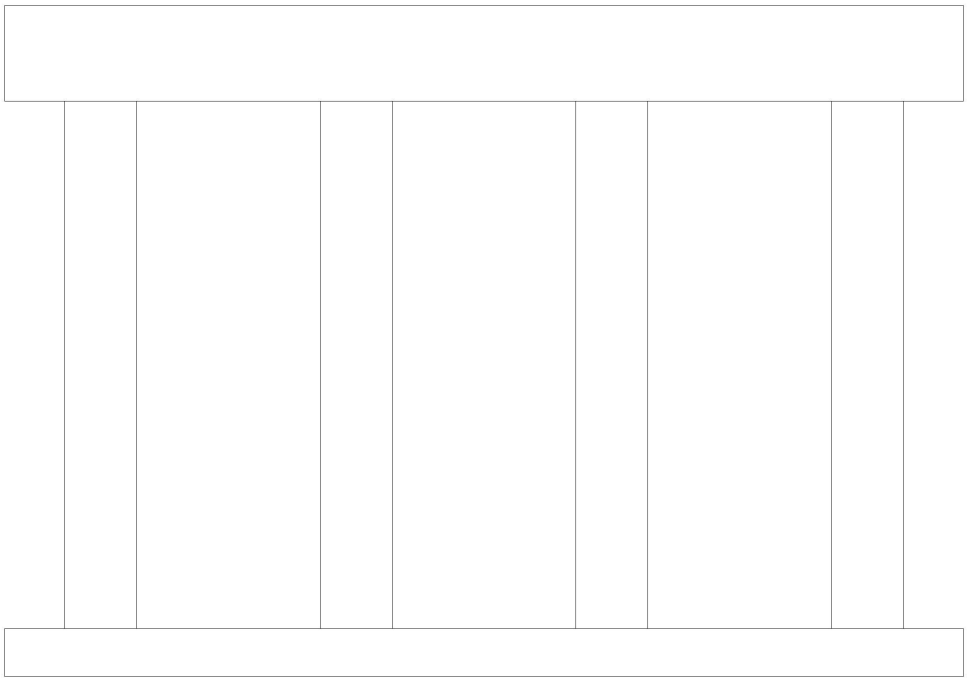


Roadway	15ft Wide	2 Paved Lanes	Looking North
Left Shoulder	2ft Wide		2ft Unpaved
Right Shoulder	2ft Wide		2ft Unpaved
Left Guardrail			
Right Guardrail			

Title	**Description**
aprw	approach roadway

Bridge No: 050056	**Drawn By:** JCH	**Date:** 03/19/2015	**File Name:** S0130000020

Bridge Inspection Field Sketch



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	24ft Long	0.833ft Wide	0.980ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	.95ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.0ft
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	7.5'		11 1/2"	10"	Vertical
2	Wood or Timber	Post and Sills	6.0'		11 1/2"	10"	Vertical
3	Wood or Timber	Post and Sills	7.5'		10"	10"	Vertical
4	Wood or Timber	Post and Sills			10"	10"	Vertical

AB 2 ARE ALL 11 1/2" X 10"

Title
PILE

Description
SUBST.

Bridge No: 050056 **Drawn By:** JCH **Date:** 03/19/2015 **File Name:** S0126000017