



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMPORARY REPAIR
SCOUR CRITICAL
PRIORITY MAINTENANCE

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY AVERY BRIDGE NUMBER 050052 INSPECTION CYCLE 0 YRS
ROUTE SR1132 ACROSS ROARING CREEK M.P. 0

200 FEET SOUTH OF JUNCTION WITH SR1134

LOCATION **200 FT.S.JCT.SR1134**

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE ABUTMENTS:EXISTING YOUNT MASONRY W/TIM.RISER (WIDENED)

1 @ 22'-6"

SPANS **1 @ 21'-6"**

LONGITUDE **82° 2' 21.25"** **82° 2' 21.60"** LATITUDE **36° 4' 56.51"** **36° 4' 56.40"**

INSPECTION DATE 06/12/2013 PRESENT CONDITION POOR

PRESENT POSTING SV 18 TTST 26 PROPOSED POSTING

OTHER SIGNS PRESENT (4) DELINEATORS



LOOKING NORTH

Fracture Critical	<u>No</u>
Temporary Shoring	Yes
Scour Critical	Yes
Scour POA	Yes

SIGN NOTICE ISSUED FOR		NUMBERED REQUIRED
<u>No</u>	WEIGHT LIMIT	<u></u>
<u>No</u>	DELINEATORS	<u></u>
<u>No</u>	NARROW BRIDGE	<u></u>
<u>No</u>	ONE LANE BRIDGE	<u></u>
<u>No</u>	LOW CLEARANCE	<u></u>

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

BRIDGE: **050052**COUNTY: **AVERY**DATE: **11/5/2007***2/17/2009*

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 :

	<u>CODE</u>	<u>BY</u>
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	<i>T</i>	<i>DA</i>
S I & A ITEM 59 - SUPERSTRUCTURE	<i>4</i>	<i>DA</i>
S I & A ITEM 60 - SUBSTRUCTURE		
S I & A ITEM 64 OPERATING RATING		
H\$ 0	BY:	FK
S I & A ITEM 66 - INVENTORY RATING		
H\$ 0	BY:	FK

COMMENTS

ONE OF THE JOIST IS SUPPLIMENTED BY ADDING ANOTHER JOIST.

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

Run Date: 08/07/2013

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	050052		SUFFICIENCY RATING =		12.17	
(8) STRUCTURE NUMBER(FEDERAL)		000000000110052		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31011320					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2		CLASSIFICATION			CODE
(3) COUNTY CODE 11 (4) PLACE CODE		0		(112)NBIS BRIDGE SYSTEM -			NO
(6) FEATURE INTERSECTED - ROARING CREEK				(104)HIGHWAY SYSTEM Is not on NHS			0
(7) FACILITY CARRIED SR1132				(26) FUNCTIONAL CLASS - Local			09
(9) LOCATION 200 FT.S.JCT.SR1134				(100)STRAHNET HIGHWAY - Not a STRAHNET Route			0
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE - No Parallel Structure			N
(16)LAT 36° 4' 56.51" (17)LONG 82° 2' 21.25"				(102)DIRECTION OF TRAFFIC - 2-way Traffic			2
(98)BORDER BRIDGE STATE CODE	PCT SHARE			(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions			T
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK - Not on the National Network			0
				(20) TOLL On Free Road			3
STRUCTURE TYPE AND MATERIAL				(31) MAINTAIN - State Highway Agency			01
(43) STRUCTURE TYPE MAIN: Wood or Timber				(22) OWNER - State Highway Agency			01
TYPE - Stringer Mutlibeam or Girder	CODE	702		(37) HISTORICAL SIGNIFICANCE - Not Eligible			5
(44) STRUCTURE TYPE APPR :				CONDITION			
TYPE -	CODE	000		(58) DECK			7
(45) NUMBER OF SPANS IN MAIN UNIT		1		(59) SUPERSTRUCTURE			4
(46) NUMBER OF APPROACH SPANS				(60) SUBSTRUCTURE			4
(107)DECK STRUCTURE TYPE - 8	CODE			(61) CHANNEL & CHANNEL PROTECTION			7
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(62) CULVERTS			N
(A) TYPE OF WEARING SURFACE -	CODE			LOAD RATING AND POSTING			
(B) TYPE OF MEMBRANE -	CODE			(31) DESIGN LOAD Unknown			0
(C) TYPE OF DECK PROTECTION -	CODE			(63) OPERATING RATING METHOD - Allowable Stress			2
				(64) OPERATING RATING - HS-1			1
(27) YEAR BUILT		1969		(65) INVENTORY RATING METHOD - Allowable Stress			2
(106)YEAR RECONSTRUCTED				(66) INVENTORY RATING - HS-1			1
(42) TYPE OF SERVICE : ON - Highway				(70) BRIDGE POSTING - Posting Required			0
UNDER - Waterway	CODE	15		(41) STRUCTURE OPEN, POSTED ,OR CLOSED			P
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0		DESCRIPTION - Posted for Load			
(29) AVERAGE DAILY TRAFFIC		620		APPRAISAL			
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT		6%		(67) STRUCTURAL EVALUATION			3
(19) BYPASS OR DETOUR LENGTH		99 MI		(68) DECK GEOMETRY			4
GEOMETRIC DATA				(69) UNDERCLEARANCES,VERTI & HORIZ			N
(48) LENGTH OF MAXIMUM SPAN		19 FT		(71) WATERWAY ADEQUACY			5
(49) STRUCTURE LENGTH		23 FT		(72) APPROACH ROADWAY ALIGNMENT			8
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT				(36) TRAFFIC SAFETY FEATURES			0000
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		23.667 FT		(113)SCOUR CRITICAL BRIDGES			U
(52) DECK WIDTH OUT TO OUT		24.67 FT		PROPOSED IMPROVEMENTS			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT		(75) TYPE OF WORK -			CODE
(33) BRIDGE MEDIAN - No Median	CODE	0		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(34) SKEW 45° (35) STRUCTURE FLARED		0		(94) BRIDGE IMPROVEMENT COST			
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		(95) ROADWAY IMPROVEMENT COST			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		23.667 FT		(96) TOTAL PROJECT COST			
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT		(114)FUTURE ADT 1240 (115) YEAR FUTURE ADT 2025			
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT		INSPECTIONS			
(56) MIN LAT UNDERCLEAR LT REF -		000 FT		(90) INSPECTION DATE			
NAVIGATION DATA				(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0		A) FRACTURE CRIT DETAIL - NO		A)	
(111)PIER PROTECTION -	CODE			B) UNDERWATER INSP - NO		B)	
(39) NAVIGATION VERTICAL CLEARANCE		0		C) OTHER SPECIAL INSP NO		C)	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT		SCOUR			
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT					

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 08/07/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
AVERY	11	2	050052	23	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1132	ROARING CREEK

LOCATED :	BRIDGE NAME :	CITY :
200 FT.S.JCT.SR1134		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	620 2012	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1969	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	135	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		7 FT		1		FT

SUPERSTRUCTURE :	TIMBER FLOOR ON TIMBER JOISTS
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SUBSTRUCTURE :	ABUTMENTS:EXISTING YOUNT MASONRY W/TIM.RISER (WIDENED)
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SPANS :	1 @ 22'-6
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BEAMS OR GIRDERS :	16 LINES 6X14 TIMBER JOISTS & 1 DBL.LINE TIMBER JOISTS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/3 AWS		24.67 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
23.667 FT	24.333 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :				
HS-1	HS-1	IntJoist (Decay)	SV 18	TTST 26	DATE	07/12/2011	

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

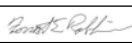
UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection - Contract
 BRIDGE NO. 050052 COUNTY AVERY ROUTE SR1132 OVER ROARING CREEK
 STRUCTURE TYPE TIMBER FLOOR ON TIMBER JOISTS
 ROUTE ORIENTATION S - N SPANS 1 @ 21'-6

EVALUATION CODES: CRITICAL (C, 0 - 3); POOR (P, 4); FAIR (F, 5, 6); GOOD (G, 7 - 9)

INSPECTION ITEM				ITEM 61		
DECK ITEMS			GRADES			
1. WEARING SURFACE			P	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G
					b. ALIGNMENT	G
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE				c. SCOUR	C
	b. TIMBER	1	G		d. SLOPE PROT., RIP-RAP, DIKES, ETC.	G
	c. STEEL PLANK			50. APPROACH ROADWAY CONDITION		
	d. OPEN GRID			51. APPROACH SLABS		
3. RAILING	a. CONCRETE			52. PAINT SYSTEM CODE		
	b. TIMBER		G	53. UTILITIES		
	c. ALUMINUM			54. RESPONSE TO LIVE LOAD		
	d. STEEL			55. ESTIMATED REMAINING LIFE		
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			F			
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED		
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			61. PROMPT-ACTION NOTICE ISSUED		
	b. MISC PREFAB			62. PRESENTLY POSTED		
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)		
	d. STANDARD JOINTS			64. TOTAL SNOOPER INSP. TIME (HRS)		
	e. OPEN JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)		
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			G			
				70. SI&A GENERAL CONDITION RATINGS		
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59				a. DECK	ITEM 58	7
10. LONGITUDINAL BEAMS OR GIRDERS				b. SUPERSTRUCTURE	ITEM 59	5
11. LONGITUDINAL JOIST OR STRINGERS			F	c. SUBSTRUCTURE	ITEM 60	4
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.	ITEM 61	7
13. END DIAP'S, CURTAIN WALLS, & CONN'S						
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS		
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				a. WATERWAY ADAQUACY		5
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		8
17. MOVABLE SPAN MACHINERY						
				72. FIELD SCOUR EVALUATION		
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)						
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		F	USE OF INSP. ACCESSIBILITY EQUIPMENT		
	b. PILES, POST, SILLS, & BRACING			SNOOPER (CODE S, 4, OR N)	HRS	NO
	c. BULKHEADS, WING'S, & TIE BACKS			LADDER		NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		F	BUCKET TRUCK		
	b. ABUT. & BENT COL'S BREASTWALLS		F	BOAT		
	c. ABUT. & INT. BENT PILES			OTHER		
	d. BACKWALLS, WING'S, RETAIN. WALLS		F			
	e. ABUT. & BENT FOOTINGS & SILLS		P			
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INSPECTION REQUESTED FOR		
	b. PILES, BRACING, AND BULKHEADS					
38. FOUNDATION PILES TYPE MATERIAL				NOTE		
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)						
40. FENDER SYSTEMS				80. INSPECTED BY:		
41. DRIFT			G	81. REVIEWED BY:		

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u>	
Team Leader FORREST E. ROBBINS			
Assisted By JRF			
Item No.	Grade		
1	P	12' X 12" AREA OF POTHOLES IN ASPHALT WEARING SURFACE ALONG ABUTMENT 2. FULL LENGTH X 8' AREA OF REFLECTIVE CRACKS IN ASPHALT WEARING SURFACE, UP TO 3" IN SOUTH BOUND LANE.	
2b	G	LEFT SHOULDER IS NOT PAVED ALONG CURB. UNDERSIDE OF DECK IS WET AND STAINED THROUGHOUT.	
3b	G	PAINT PEELING AND FLAKING UP TO 20% ALONG WEST BRIDGE RAIL.	
4	F	12' DECAY AND SPLITTING IN WEST CURB AT SOUTH END.	
7	G	UP TO 3' OF DIRT AND DEBRIS ALONG EAST CURB.	
10A	NO	NO CURVED GIRDERS.	
11	F	JOIST 1 HAS UP TO 1" SAG AT CENTER. TIMBER JOISTS HAVE SCATTERED CRACKING AND ARE SOFT.	
35a	F	TIMBER SILL IS CRUSHING UP TO 1/4" UNDER JOIST 12 AT ABUTMENT 1.	
36a	F	ACTIVE WATER FLOW ON BOTH ABUTMENT CAPS.	
36b	F	17" X 8" SPALL ON ABUTMENT 2 BREAST WALL BELOW JOIST 13. 4' X FULL HEIGHT SPALL IN ABUTMENT 1 BREAST WALL BELOW BAY 3. 12" VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE ON TOP FACE OF ABUTMENT 1 BREASTWALL BELOW JOIST 18. BOTTOM 3' OF BOTH ABUTMENT BREAST WALLS ARE SCALED WITH EXPOSED AGGREGATE. FULL HEIGHT VERTICAL HAIRLINE CRACK IN ABUTMENT 2 BREAST WALL BELOW JOIST 16. RANDOM HAIRLINE MAP CRACKING ON DOWNSTREAM HALF OF ABUTMENT 2 BREAST WALL. (ABUTMENT 1 SIMILAR)	
36d	F	5" DIAMETER SPALL IN ABUTMENT 2 BREAST WALL 20' FROM UPSTREAM END. HAIRLINE MAP CRACKING AT RANDOM ON WINGWALLS.	

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		FIELD INSPECTION REPORT <u>Bridge Inspeccion & Analysis</u>	
Team Leader FORREST E. ROBBINS			
Assisted By JRF			
Item No.	Grade		
36e	P	13' X 12" HEAVY SCALE/SPALL ALONG ABUTMENT 1 SILL AT CENTER OF ABUTMENT. BOTH ABUTMENT SILLS ARE EXPOSED WITH HEAVY SCALE AT DOWNSTREAM ENDS. FULL HEIGHT VERTICAL HAIRLINE CRACK IN ABUTMENT 2 BREAST WALL BELOW JOIST 16. RANDOM HAIRLINE MAP CRACKING ON DOWNSTREAM HALF OF ABUTMENT 2 BREAST WALL. (ABUTMENT 1 SIMILAR) 5" DIAMETER SPALL IN ABUTMENT 2 BREAST WALL 20' FROM UPSTREAM END.	
45c	C	10' OF ABUTMENT 1 SILL IS UNDERMINED UP TO 2' DEEP AT DOWNSTREAM END. (PRIORITY MAINTENANCE) 29' OF ABUTMENT 2 SILL IS UNDERMINED UP TO 1' DEEP AT UPSTREAM END. (PRIORITY MAINTENANCE)	
50	F	3' X 6' POTHOLE IN ASPHALT WEARING SURFACE AT ABUTMENT 1 IN SOUTH BOUND LANE OF SOUTH APPROACH WITH PREVIOUS REPAIR. 5' X 3' POTHOLE WITH REPAIR IN SOUTH BOUND LANE OF NORTH APPROACH. LONGITUDINAL CRACKS UP TO 1/2" AT RANDOM IN SOUTH BOUND LANE OF SOUTH APPROACH.	
62	YES	SV 18 TTST 26	
73f	YES	WADERS.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 050052

County AVERY

Date: 06/12/2013

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	29	29' OF ABUTMENT 2 SILL IS UNDERMINED UP TO 1' DEEP AT DOWNSTREAM END.	
 3348	Maintain Concrete Substructure Components	LF	10	10' OF ABUTMENT 1 SILL IS UNDERMINED UP TO 2' DEEP AT DOWNSTREAM END.	
2816	Asphalt Surface Repair or Replacement	SY	1	3' X 6' POTHOLE IN ASPHALT WEARING SURFACE AT ABUTMENT 1 IN SOUTH BOUND LANE OF SOUTH APPROACH WITH PREVIOUS REPAIR.	
2816	Asphalt Surface Repair or Replacement	SY	7	FULL LENGTH X 8' AREA OF REFLECTIVE CRACKS IN ASPHALT WEARING SURFACE, UP TO 3" IN SOUTH BOUND LANE.	
3348	Maintain Concrete Substructure Components	LF	13	13' X 12" HEAVY SCALE/SPALL ALONG ABUTMENT 1 SILL AT CENTER OF ABUTMENT.	
3348	Maintain Concrete Substructure Components	LF	4	4' X FULL HEIGHT SPALL IN ABUTMENT 1 BREAST WALL BELOW BAY 3.	
3348	Maintain Concrete Substructure Components	LF	1	5" DIAMETER SPALL IN ABUTMENT 2 BREAST WALL 20' FROM UPSTREAM END.	
3348	Maintain Concrete Substructure Components	LF	2	17" X 8" SPALL ON ABUTMENT 2 BREAST WALL BELOW JOIST 13.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 050052

County AVERY

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	29 LF
Location:		
Abutment Substructure	Bent/Span No. 2	CONCRETE SILL
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/12/2013	FORREST E. ROBBINS	J. WES TAYLOR
Details		
29' OF ABUTMENT 2 SILL IS UNDERMINED UP TO 1' DEEP AT DOWNSTREAM END.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	10 LF
Location:		
Abutment Footing	Bent/Span No. 1	CONCRETE SILL
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/12/2013	FORREST E. ROBBINS	J. WES TAYLOR
Details		
10' OF ABUTMENT 1 SILL IS UNDERMINED UP TO 2' DEEP AT DOWNSTREAM END.		



12' X 12" AREA OF POTHOLES IN ASPHALT WEARING SURFACE ALONG ABUTMENT 2.



FULL LENGTH X 8' AREA OF REFLECTIVE CRACKS IN ASPHALT WEARING SURFACE, UP TO 3" IN SOUTH BOUND LANE.



3' X 6' POTHOLE IN ASPHALT WEARING SURFACE AT ABUTMENT 1 IN SOUTH BOUND LANE OF SOUTH APPROACH WITH PREVIOUS REPAIR.



12' DECAY AND SPLITTING IN WEST CURB AT SOUTH END.



LEFT SHOULDER IS NOT PAVED ALONG CURB.



17" X 8" SPALL ON ABUTMENT 2 BREAST WALL BELOW JOIST 13.



10' OF ABUTMENT 1 SILL IS UNDERMINED UP TO 2' DEEP AT DOWNSTREAM END. (PRIORITY MAINTENANCE)



29' OF ABUTMENT 2 SILL IS UNDERMINED UP TO 1' DEEP AT UPSTREAM END. (PRIORITY MAINTENANCE)



4' X FULL HEIGHT SPALL IN ABUTMENT 1 BREAST WALL BELOW BAY 3.



13' X 12" HEAVY SCALE/SPALL ALONG ABUTMENT 1 SILL AT CENTER OF ABUTMENT.



RETAINING WALL CONSTRUCTED OVER NORTHEAST WINGWALL

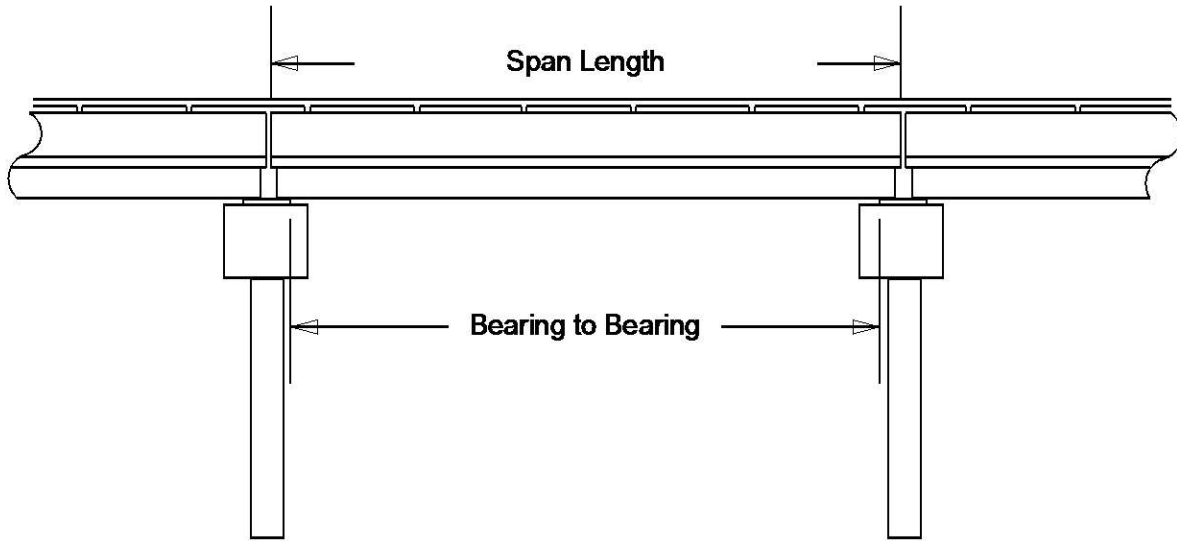


12" VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE ON TOP FACE OF ABUTMENT 1 BREASTWALL
BELOW JOIST 18.

Structure Data Worksheet

Spans

County: VERY Structure No: 050052 Date: 06/12/2013 Inspected By: FER



Span No	Span Length	Bearing to Bearing	Comments
1	22.5'	18.67'	NBIS LENGTH = 17'-8"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 050052 County: AVERY Date: 06/12/2013 By: FER

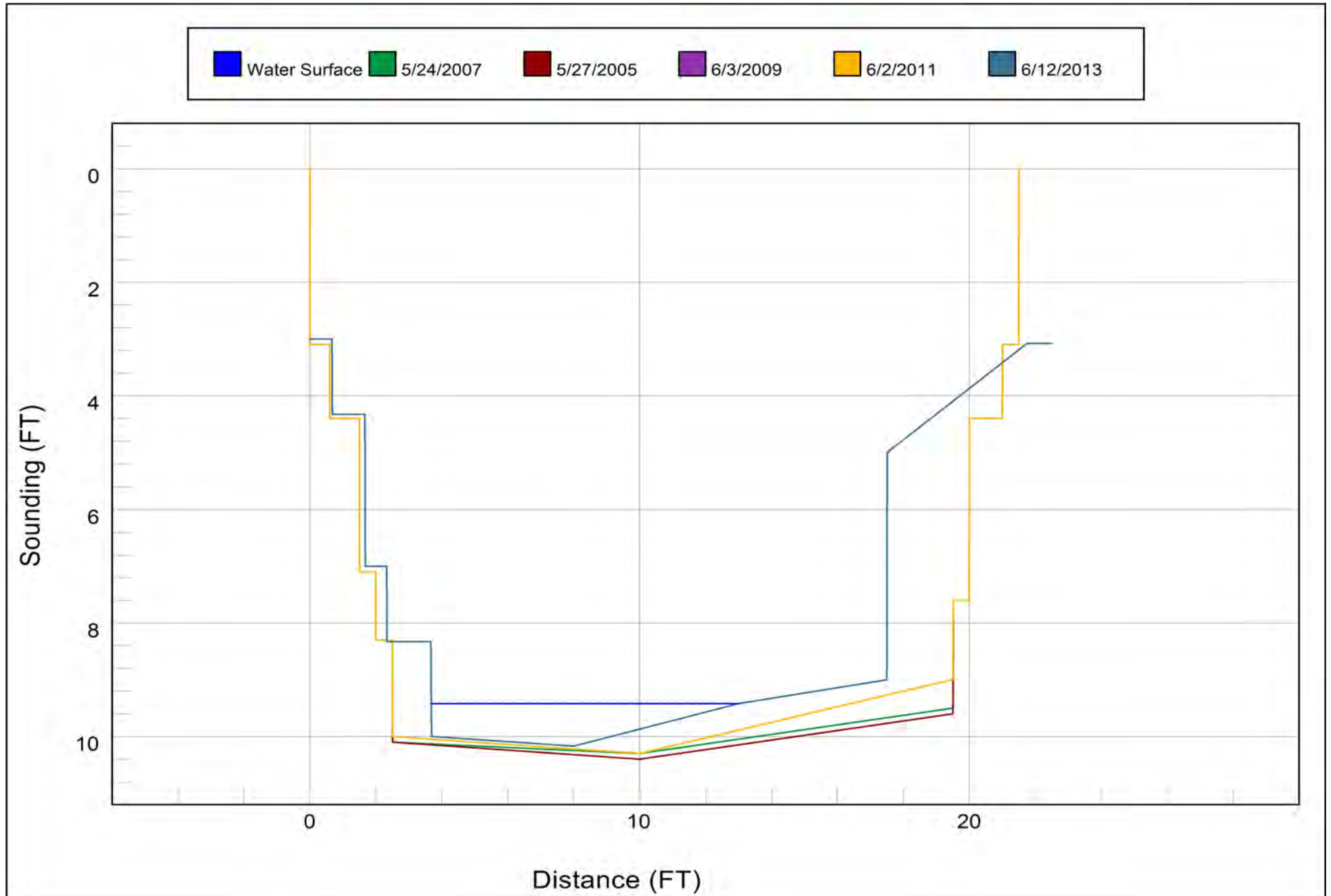
Record sounding from top of rail. Other location if needed: TOP OF RAIL

Distance from Highwater Mark to top of rail: 2.833 Location of Highwater Mark: EVIDENCE OF OVER TOPPING

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	3	FILL FACE			
0.67	3				
0.68	4.33	Top of Cap			
1.67	4.33				
1.68	7				
2.33	7				
2.34	8.33	TOP OF SILL			
3.67	8.33				
3.68	9.42	Water Surface (WS)			
3.69	10		3.69	7.5	
8	10.17				
13	9.42	Water Surface/Water Edge (WSWE)			
17.5	9		17.5	7.5	
17.51	5	TOP OF RETAINING WALL			
21.75	3.08				
22.5	3.08	FILL FACE			

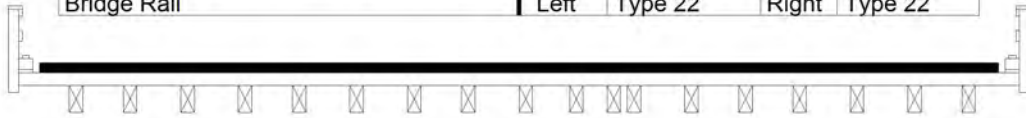
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

Deck Width/Out to Out	24.67ft	Between Rails	24.333ft
Clear Roadway	23.667ft	Wearing Surface	0.250ft
Median Width		Median Height	
Curb Height		Left	0.583ft
Sidewalk Width		Right	0.583ft
Clear Roadway (Rail to Median)		Left	
Guardrail Width		Right	
Top of Rail to Deck/Wearing Surface		Left	2.75ft
Bridge Rail		Right	2.75ft
		Left	Type 22
		Right	Type 22



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.417
Top of Rail to Bottom of Beam	4.417	Right Overhang	0.833

Beam Number	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.333ft	
2	Timber (Rectangular)	1.417ft	
3	Timber (Rectangular)	1.417ft	
4	Timber (Rectangular)	1.333ft	
5	Timber (Rectangular)	1.417ft	
6	Timber (Rectangular)	1.417ft	
7	Timber (Rectangular)	1.333ft	
8	Timber (Rectangular)	1.417ft	
9	Timber (Rectangular)	1.25ft	
10	Timber (Rectangular)	0.917ft	
11	Timber (Rectangular)	0.5ft	ADDED 6 X 12 JOIST
12	Timber (Rectangular)	1.417ft	
13	Timber (Rectangular)	1.333ft	
14	Timber (Rectangular)	1.333ft	
15	Timber (Rectangular)	1.417ft	
16	Timber (Rectangular)	1.417ft	
17	Timber (Rectangular)	1.333ft	
18	Timber (Rectangular)	ft	

Title

TYPICAL SECTION

Description

SPAN 1, LOOKING NORTH

Bridge No: 050052

Drawn By: JWT

Date: 6/12/2013

File Name: S0126000064

Bridge Inspection Field Sketch



Roadway	18ft Wide	2 Paved Lanes	Looking North
Left Shoulder	3ft Wide		3ft Unpaved
Right Shoulder	8ft Wide		8ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY

Description

SOUTH APPROACH, LOOKING NORTH

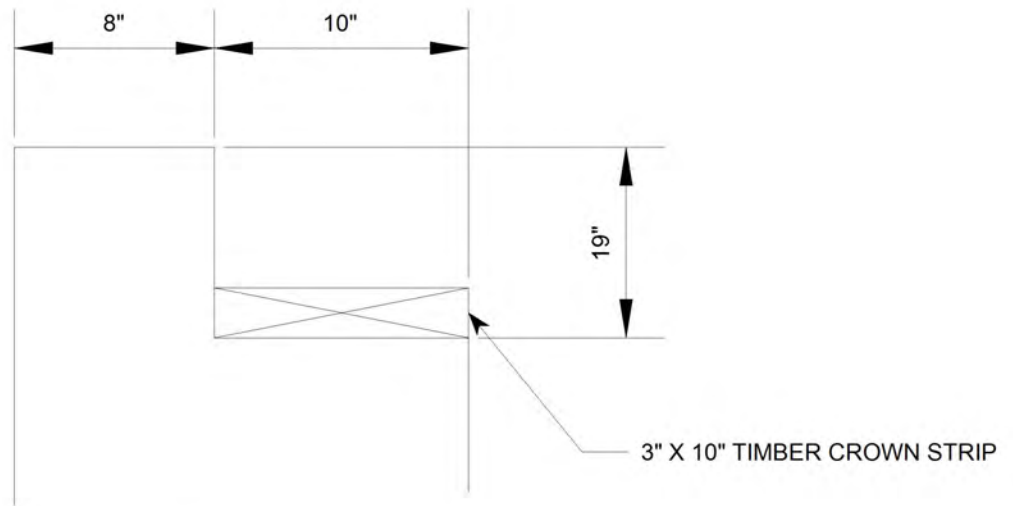
Bridge No: 050052

Drawn By: JWT

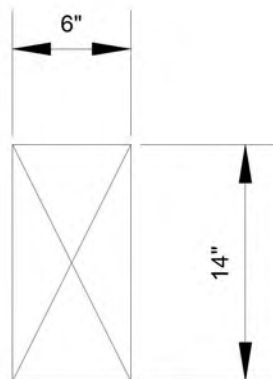
Date: 6/12/2013

File Name: S0130000069

Bridge Inspection Field Sketch



SIDE VIEW CONCRETE ABUTMENTS



TYPICAL JOIST

Title

CROSS SECTIONS

Description

ABUTMENTS AND JOISTS

Bridge No: 050052

Drawn By: JWT

Date: 6/12/2013

File Name: S0126000065



LOOKING NORTH



BRIDGE POSTING



NORTH APPROACH, LOOKING SOUTH



SOUTH APPROACH, LOOKING NORTH



UPSTREAM VIEW, LOOKING WEST



DOWNSTREAM VIEW, LOOKING EAST



WEST BRIDGE RAIL



EAST BRIDGE RAIL



UPSTREAM PROFILE, LOOKING EAST



DOWNSTREAM PROFILE, LOOKING WEST



ASPHALT WEARING SURFACE, SPAN 1, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER ABUTMENT 1, LOOKING EAST



CRACK IN ASPHALT WEARING SURFACE OVER ABUTMENT 2, LOOKING EAST



ABUTMENT 1 ELEVATION, LOOKING SOUTH



ABUTMENT 2 ELEVATION, LOOKING NORTH



NORTHWEST WINGWALL



SOUTHWEST WINGWALL



SOUTHEAST WINGWALL