NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION PRIORITY MAINTENACE
SIGN NOTICE
TEMPORARY REPAIR

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY WATAUGA BRIDGE NUMBER 940153 INSPECTION CYCLE 0 YRS

SR1508 (ELK CREEK RD)

ROUTE SR1508 ACROSS ELK CREEK M.P. 0

50 FT. SOUTH OF JUNCTION WITH SR1570 (ELK LANE)

LOCATION 50 FT.S.JCT.SR1570

SUPERSTRUCTURE STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS:TIM.CAPS/TIM.POST&CONC.SILLS@VAR.CTRS.

SPANS 1@46'

LONGITUDE 81° 32' 55.49" LATITUDE 36° 12' 1.03"

INSPECTION DATE 10/16/2013 PRESENT CONDITION FAIR

PRESENT POSTING SV 31 TTST 31 SV 32 TTST 36 PROPOSED POSTING

OTHER SIGNS PRESENT FOUR (4) DELINEATORS



LOOKING NORTH

Fracture Critical	No
Temporary Shoring	No
Scour Critical	No
Scour POA	No

SIGN NOTICE ISSUED FOR		NUMBERED REQUIRED
No	WEIGHT LIMIT	
Yes	DELINEATORS	1
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

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: 940153 COUNTY: WATAUGA DATE: 2/29/2008

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	TSE
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	4	TSE 3/20/08

S I & A ITEM 64 OPERATING RATING HS 0 BY: FK

S I & A ITEM 66 - INVENTORY RATING HS 0 BY: FK

COMMENTS

POST #1,4 & 6 ARE SUPPLIMENTED AT ABUTMENT # 2.

Revised 11/7/2006

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 940153
(8) STRUCTURE NUMBER(FEDERAL) 000000001890153
(5) INVENTORY ROUTE (ON/UNDER) - ON 31015080
(2) STATE HIGHWAY DEPARTMENT DISTRICT 2
(3) COUNTY CODE 189 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - ELK CREEK
(7) FACILITY CARRIED SR1508
(9) LOCATION 50 FT.S.JCT.SR1570
(11)MILEPOINT 0
(16)LAT 36° 12' 1.03" (17)LONG 81° 32' 55.49"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
TYPE - Stringer Mutlibeam or Girder CODE 302
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 1
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 6 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 1967
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 300
(30) YEAR OF ADT 2011 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 24 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 44 FT
(49) STRUCTURE LENGTH 46 FT
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
(52) DECK WIDTH OUT TO OUT 24.083 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 17 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 45° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT 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 HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 23.18
STATUS = Structurally Deficient

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
(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 - Temporary Structure/Conditions T
(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 4
(59) SUPERSTRUCTURE 5
(60) SUBSTRUCTURE 4
(61) CHANNEL & CHANNEL PROTECTION 6
(62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-1 1
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-1 1
(70) BRIDGE POSTING - Posting Required 2
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 3
(68) DECK GEOMETRY 5
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(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 600 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 10/16/2013
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 01/21/2014

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
WATAUGA	11	2	940153	46 FEET

ROUTE CARRIED : SR1508

FEATURE INTERSECTED : ELK CREEK

LOCATED : 50 FT.S.JCT.SR1570

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :			
09	NFA	NFA	300	2011	LT	233	RT	233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1967	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	12 FT	1	FT

SUPERSTRUCTURE : STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.POST&CONC.SILLS@VAR.CTRS.

SPANS : 1@46'

BEAMS OR GIRDERS : 10 LINES 21 I-BEAMS @ 2'-6.5 CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
STL.PLK/3 AWS		24.083 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
24 FT	24.583 FT	LT	.3 FT	RT	.3 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :					
HS-1	HS-1	IntBeam	SV	32	TTST	36	DATE	11/28/2011

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE I & A FORM1 (90)A

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection - Contract
BRIDGE NO. 940153 COUNTY WATAUGA ROUTE SR1508 OVER ELK CREEK
STRUCTURE TYPE STEEL PLANK FLOOR ON I-BEAMS
ROUTE ORIENTATION S - N SPANS 1@46'

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

INSPECTION ITEM			
DECK ITEMS			GRADES
1. WEARING SURFACE			F
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE		
	b. TIMBER		
	c. STEEL PLANK	1	P
	d. OPEN GRID		
3. RAILING	a. CONCRETE		
	b. TIMBER		
	c. ALUMINUM		
	d. STEEL		F
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)			
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER		
	b. MISC PREFAB		
	c. COMPRESSION SEAL		
	d. STANDARD JOINTS		
	e. OPEN JOINTS		
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			F
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59			
10. LONGITUDINAL BEAMS OR GIRDERS			F
11. LONGITUDINAL JOIST OR STRINGERS			
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			F
13. END DIAP'S, CURTAIN WALLS, & CONN'S			
14. FLOOR BEAMS AND CONNECTIONS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			F
16. DRAINAGE SYSTEM (ON STRUCTURE)			G
17. MOVABLE SPAN MACHINERY			
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)			
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		F
	b. PILES, POST, SILLS, & BRACING		F
	c. BULKHEADS, WING'S, & TIE BACKS		F
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		
	b. ABUT. & BENT COL'S BREASTWALLS		
	c. ABUT. & INT. BENT PILES		
	d. BACKWALLS, WING'S, RETAIN. WALLS		
	e. ABUT. & BENT FOOTINGS & SILLS		F
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		
	b. PILES, BRACING, AND BULKHEADS		
38. FOUNDATION PILES TYPE MATERIAL			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)			
40. FENDER SYSTEMS			
41. DRIFT			G

ITEM 61		
45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G
	b. ALIGNMENT	F
	c. SCOUR	F
	d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
50. APPROACH ROADWAY CONDITION		F
51. APPROACH SLABS		
52. PAINT SYSTEM	CODE A	P
53. UTILITIES		
54. RESPONSE TO LIVE LOAD		F
55. ESTIMATED REMAINING LIFE		10
60. REGULATORY SIGN NOTICE ISSUED		YES
61. PROMPT-ACTION NOTICE ISSUED		YES
62. PRESENTLY POSTED		YES
63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)		5
64. TOTAL SNOOPER INSP. TIME (HRS)		0
65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)		0
70. SI&A GENERAL CONDITION RATINGS		
a. DECK	ITEM 58	4
b. SUPERSTRUCTURE	ITEM 59	5
c. SUBSTRUCTURE	ITEM 60	5
d. CHANNEL & CHANNEL PROT.	ITEM 61	6
71. SI&A FIELD APPRAISAL RATINGS		
a. WATERWAY ADAQUACY		7
b. APPR. RDWY. ALIGNMENT		8
72. FIELD SCOUR EVALUATION		B
USE OF INSP. ACCESSIBILITY EQUIPMENT		
SNOOPER (CODE S, 4, OR N)	HRS	NO
LADDER		NO
BUCKET TRUCK		NO
BOAT		NO
OTHER		NO
SPECIAL INSPECTION REQUESTED FOR		
NOTE		
80. INSPECTED BY:		
81. REVIEWED BY:		

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways	FIELD INSPECTION REPORT Bridge Inspecion & Analysis	

Team Leader MICHAEL W CRAIG

Assisted By CJH

Item No.	Grade	
1	F	[WEARING SURFACE] END BENT 1 JOINT, VERTICAL OFFSET (1/2IN) AND TWO (2) DELAMINATIONS (18IN) AND (3FT X 12IN) END BENT 2 JOINT, JOINT FAILURE (FULL WIDTH) WITH END 3FT ASPHALT FAILING END BENT 2 BAY 8, DAYLIGHT THROUGH JOINT, TEMPORARY REPAIR FAILED
2c	P	[STEEL PLANK DECK] END BENT 1 BAY 9 METAL DECK FORM, FLAKING STEEL WITH 5% SECTION LOSS BAY 1 AND 2 METAL DECK FORMS, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BAY 3 METAL DECK END 3FT, 100% SECTION LOSS (PM) END BENT 2 BAY 4 METAL DECK END 3FT, 100% SECTION LOSS (PM) END BENT 2 BAY 5 METAL DECK END 3FT, 100% SECTION LOSS (PM) END BENT 2 BAY 6 METAL DECK END 3FT, 100% SECTION LOSS (PM) END BENT 2 BAY 7 METAL DECK END 3FT, 100% SECTION LOSS
3d	F	[STEEL GUARDRAIL] NORTHEAST BARRIER RAIL END UNIT, IMPACT DAMAGE (3FT)
7	F	[DECK DEBRIS] END BENT 1 JOINT AT EAST END, VEGETATION (1CF) (OTHERS SIMILAR)

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways	FIELD INSPECTION REPORT Bridge Inspecion & Analysis	

Team Leader MICHAEL W CRAIG

Assisted By CJH

Item No.	Grade	
10	F	[LONGITUDINAL BEAMS] (PM) BEAM 1 MIDSPAN TOP FLANGE, FLAKING STEEL WITH 5% SECTION LOSS (PM) BEAM 2 MIDPSAN TOP FLANGE, FLAKING STEEL (NO SECTION LOSS) (PM) END BENT 1 BEAM 1 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 3 BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 4 TOP AND BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 5 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 6 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 8 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 7 TOP AND BOTTOM FLANGE AND WEB, END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 9 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 1 BEAM 10 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 1 BEAMS 6 AND 7, FLAKING STEEL ON UNDERSIDE OF BEAMS (PM) END BENT 2 BEAM 3 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BEAM 4 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BEAM 5 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BEAM 6 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BEAM 7 TOP AND BOTTOM FLANGE AND WEB END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BEAM 8 TOP FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) END BENT 2 BEAM 9 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS (PM) BEAM 10 TOP FLANGE MIDSPAN, FLAKING STEEL WITH 5% SECTION LOSS
10A	NO	NO CURVED GIRDERS
35a	F	[TIMBER ABUTS, BENTS, CAPS] END BENT 2 PILE 6, CAP NOT BEARING ON TEMPORARY PILE END BENT 2 BAY 2, TEMPORARY JOINT SUPPORT FAILED
35c	F	[TIMBER BULKHEADS] NORTHEAST WINGWALL, DECAY (50%) END BENT 1 BULKHEAD, DECAYED (30%) END BENT 2 BULKHEAD, DECAYED (20%)

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways	FIELD INSPECTION REPORT Bridge Inspecion & Analysis	

Team Leader MICHAEL W CRAIG

Assisted By CJH

Item No.	Grade	
36e	F	[CONCRETE FOOTING, SILLS] END BENT 2 UNDER PILE 7, NATURAL SPRING THROUGH SILL END BENT 1 FOOTING AT PILE 4, FULL HEIGHT VERT HAIRLINE CRACK (SIMILAR AT EACH PILE)
45c	F	[SCOUR] END BENT 1 SOUTHWEST END, SCOUR UNDER CONCRETE SILL (3FT X 2FT DEEP) END BENT 1 SOUTHEAST END, SCOUR UNDER CONCRETE SILL (3FT X 2FT DEEP) END BENT 2 NORTHEAST END, SCOUR UNDER FOOTING (5FT X 2FT X 9IN)
60	YES	[SIGN NOTICE ISSUED] SOUTHEAST DELINEATOR INSTALLED LOW

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA Date: 10/16/2013

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	15	BEAM 1 MIDSPAN TOP FLANGE, FLAKING STEEL WITH 5% SECTION LOSS END BENT 1 BEAM 1 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	6	BEAM 2 MIDPSAN TOP FLANGE, FLAKING STEEL (NO SECTION LOSS)	
3314	Maintain Steel Superstructure Components	LF	5	END BENT 1 BEAM 3 BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 3 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	5	END BENT 1 BEAM 4 TOP AND BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 4 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	5	END BENT 1 BEAM 5 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 5 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	5	END BENT 1 BEAM 6 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 6 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	7	END BENT 1 BEAM 7 TOP AND BOTTOM FLANGE AND WEB, END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 7 TOP AND BOTTOM FLANGE AND WEB END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA Date: 10/16/2013

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	5	END BENT 1 BEAM 8 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 8 TOP FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	6	END BENT 1 BEAM 9 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS END BENT 2 BEAM 9 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS	
3314	Maintain Steel Superstructure Components	LF	15	END BENT 1 BEAM 10 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS BEAM 10 TOP FLANGE MIDSPAN, FLAKING STEEL WITH 5% SECTION LOSS	
3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	SF	15	END BENT 2 BAY 3 METAL DECK END 3FT, 100% SECTION LOSS END BENT 2 BAY 4 METAL DECK END 3FT, 100% SECTION LOSS END BENT 2 BAY 5 METAL DECK END 3FT, 100% SECTION LOSS END BENT 2 BAY 6 METAL DECK END 3FT, 100% SECTION LOSS END BENT 2 BAY 7 METAL DECK END 3FT, 100% SECTION LOSS	
2816	Asphalt Surface Repair or Replacement	SY	10	LEVEL APPROACHES AND FILL HOLES AT END BENT 2	
3322	Maint to Steel Handrail	LF	3	IMPACT DAMAGE ON NORTHEAST END UNIT	
3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	SF	75	DECK RUSTED AND LOOSE AT END BENTS	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	15 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

BEAM 1 MIDSPAN TOP FLANGE, FLAKING STEEL WITH 5% SECTION LOSS

END BENT 1 BEAM 1 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	6 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

BEAM 2 MIDPSAN TOP FLANGE, FLAKING STEEL (NO SECTION LOSS)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 3 BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

END BENT 2 BEAM 3 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 4 TOP AND BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

END BENT 2 BEAM 4 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 5

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 5 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS
END BENT 2 BEAM 5 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 6

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 6 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

END BENT 2 BEAM 6 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	7 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 7

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 7 TOP AND BOTTOM FLANGE AND WEB, END 2FT, FLAKING STEEL WITH 5% SECTION LOSS
END BENT 2 BEAM 7 TOP AND BOTTOM FLANGE AND WEB END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 8

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 8 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

END BENT 2 BEAM 8 TOP FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	6 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 9

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 9 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

END BENT 2 BEAM 9 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	15 LF

Location:		
Beams and Girders	Bent/Span No. 1	Beam 10

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 1 BEAM 10 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS

BEAM 10 TOP FLANGE MIDSPAN, FLAKING STEEL WITH 5% SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940153 County WATAUGA

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

MMS Code	MMS Description	Quantity
3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	15 SF

Location:		
Deck Structure Type	Bent/Span No. 2	Metal Deck

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/17/2013	Michael W. Craig	Casey Howard

Details

END BENT 2 BAY 3 METAL DECK END 3FT, 100% SECTION LOSS

END BENT 2 BAY 4 METAL DECK END 3FT, 100% SECTION LOSS

END BENT 2 BAY 5 METAL DECK END 3FT, 100% SECTION LOSS

END BENT 2 BAY 6 METAL DECK END 3FT, 100% SECTION LOSS

END BENT 2 BAY 7 METAL DECK END 3FT, 100% SECTION LOSS



SOUTHEAST DELINEATOR INSTALLED LOW



END BENT 1 JOINT AT EAST END, VEGETATION (1CF) (OTHERS SIMILAR)



END BENT 1 JOINT, VERTICAL OFFSET (1/2IN) AND TWO (2) DELAMINATIONS (18IN) AND (3FT X 12IN)



END BENT 2 JOINT, JOINT FAILURE (FULL WIDTH) WITH END 3FT ASPHALT FAILING



NORTHEAST BARRIER RAIL END UNIT, IMPACT DAMAGE (3FT)



END BENT 1 SOUTHWEST END, SCOUR UNDER CONCRETE SILL (3FT X 2FT DEEP)



END BENT 1 SOUTHEAST END, SCOUR UNDER CONCRETE SILL (3FT X 2FT DEEP)



END BENT 1 BULKHEAD, DECAYED (30%)



(PM) BEAM 1 MIDSPAN TOP FLANGE, FLAKING STEEL WITH 5% SECTION LOSS



BEAM 2 MIDPSAN TOP FLANGE, FLAKING STEEL (NO SECTION LOSS)



(PM) END BENT 1 BEAM 1 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 3 BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 4 TOP AND BOTTOM FLANGE AND WEB END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 5 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 6 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 8 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 7 TOP AND BOTTOM FLANGE AND WEB, END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 9 BOTTOM FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BEAM 10 TOP FLANGE END 2FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 1 BAY 9 METAL FORM, FLAKING STEEL WITH 5% SECTION LOSS



END BENT 1 FOOTING AT PILE 4, FULL HEIGHT VERTICAL HAIRLINE CRACK (SIMILAR AT EACH PILE)



END BENT 1 BEAMS 6 AND 7, FLAKING STEEL ON UNDERSIDE OF BEAMS



(PM) BAY 1 AND 2 METAL FORMS, FLAKING STEEL WITH 5% SECTION LOSS



END BENT 2 PILE 6, CAP NOT BEARING ON TEMPORARY PILE



END BENT 2 BAY 8, DAYLIGHT THROUGH JOINT, TEMPORARY REPAIR FAILED



END BENT 2 UNDER PILE 7, NATURAL SPRING THROUGH SILL



END BENT 2 NORTHEAST END, SCOUR UNDER FOOTING (5FT X 2FT X 9IN)



END BENT 2 BULKHEAD, DECAYED (20%)



END BENT 2 BAY 2, TEMPORARY JOINT SUPPORT FAILED



(PM) END BENT 2 BEAM 3 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BEAM 4 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BEAM 5 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BEAM 6 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BEAM 7 TOP AND BOTTOM FLANGE AND WEB END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BEAM 8 TOP FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BEAM 9 TOP AND BOTTOM FLANGE END 3FT, FLAKING STEEL WITH 5% SECTION LOSS



(PM) END BENT 2 BAY 3 METAL DECK END 3FT, 100% SECTION LOSS



(PM) END BENT 2 BAY 4 METAL DECK END 3FT, 100% SECTION LOSS



(PM) END BENT 2 BAY 5 METAL DECK END 3FT, 100% SECTION LOSS



(PM) END BENT 2 BAY 6 METAL DECK END 3FT, 100% SECTION LOSS



(PM) END BENT 2 BAY 7 METAL DECK END 3FT, 100% SECTION LOSS



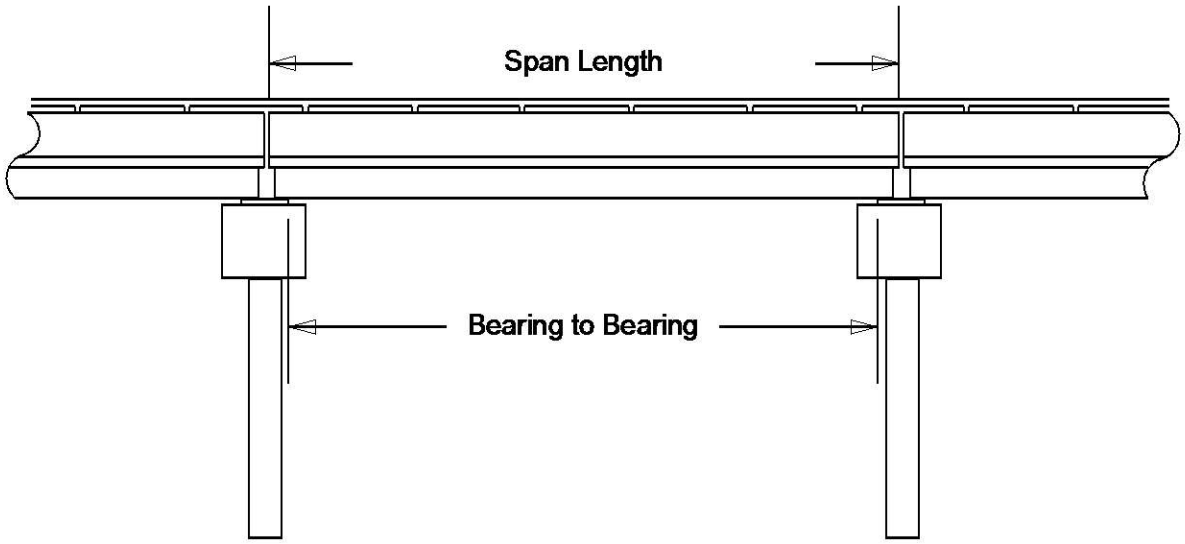
(PM) BEAM 10 TOP FLANGE MIDSPAN, FLAKING STEEL WITH 5% SECTION LOSS



NORTHEAST WINGWALL, DECAY (50%)

Structure Data Worksheet

County: WATAUGA Structure No: 940153 Date: 10/16/2013 Inspected By: MWC



Span No	Span Length	Bearing to Bearing	Comments
1	46' 0"	44' 4"	NBIS LENGTH = 43' 6"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 940153 County: WATAUGA Date: 10/16/2013 By: MWC

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

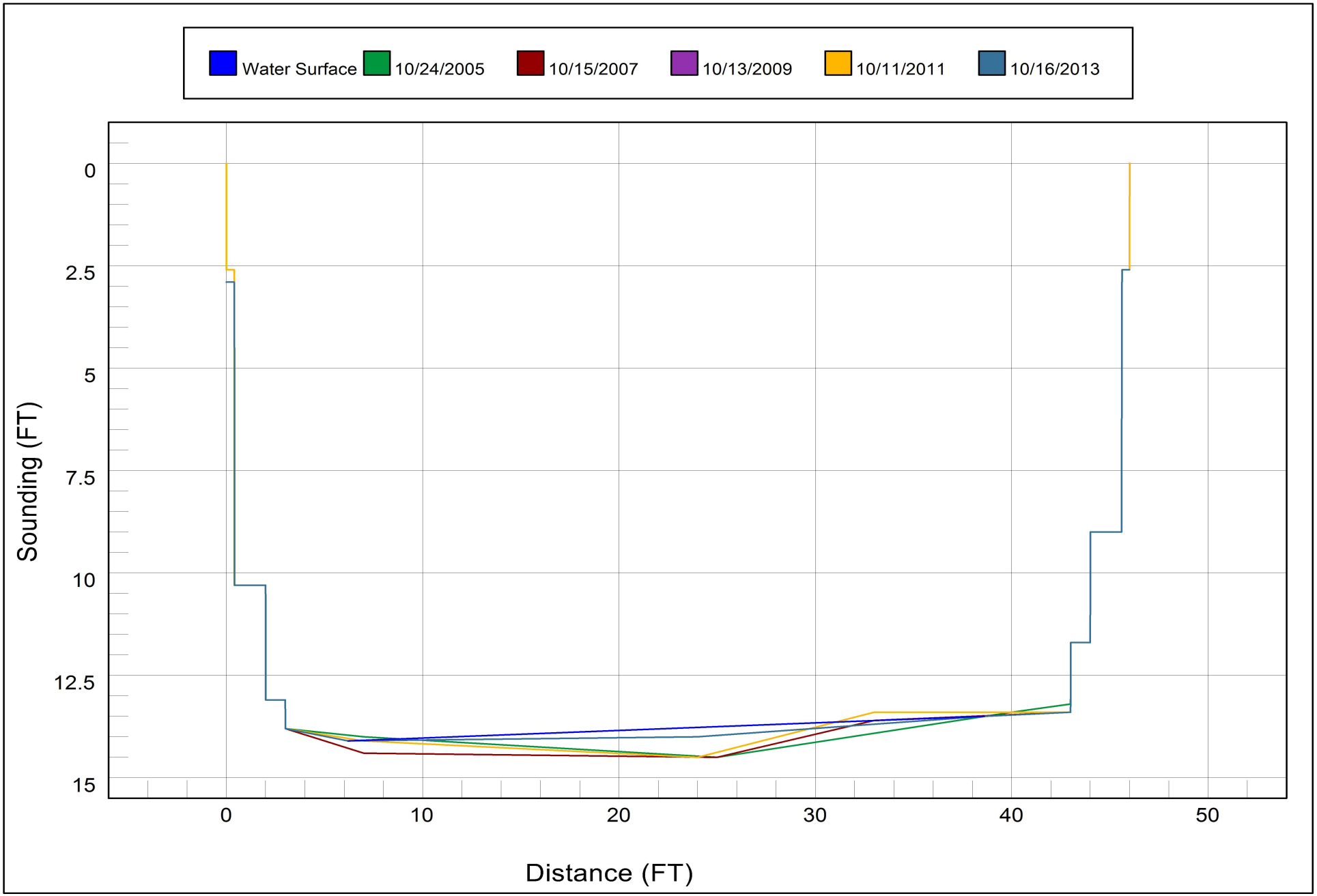
Distance from Highwater Mark to top of rail: 4.5 Location of Highwater Mark: DEBRIS ON TOP OF CAP

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.9	FILL FACE			
0.4	2.9	TOP OF BULKHEAD			
0.41	4.5	Top of Cap			
0.42	10.3	TOP OF FOOTING			
2	10.3	TOP OF FOOTING			
2.01	13.1	TOP OF FOOTING			
3	13.1	TOP OF FOOTING			
3.01	13.8	FACE OF FOOTING	3.01	12.7	FACE OF FOOTING
6.2	14.1	Water Surface/Water Edge (WSWE)			
24	14	STREAMBED			
38.6	13.5	Water Surface/Water Edge (WSWE)			
43	13.4	FACE OF FOOTING	43	10.6	FACE OF FOOTING
43.01	11.7	TOP OF FOOTING			
44	11.7	TOP OF FOOTING			
44.01	9	TOP OF FOOTING			
45.6	9	TOP OF FOOTING			
45.61	4.5	Top of Cap			
45.62	2.6	TOP OF BULKHEAD			
46	2.6	FILL FACE			

Bridge: 940153 County WATAUGA Date: 10/16/2013

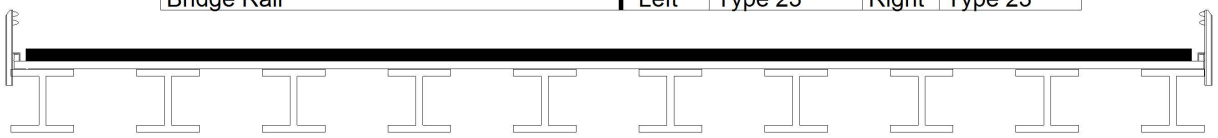
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



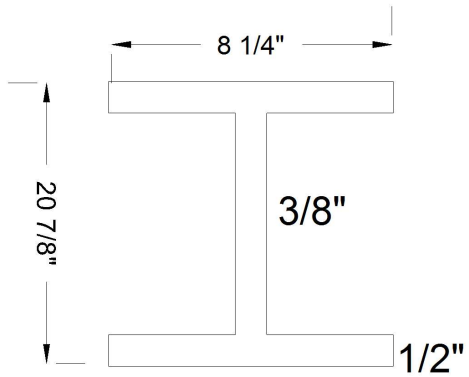
Bridge Inspection Field Sketch

Deck Width/Out to Out	24.083ft	Between Rails				24.583ft
Clear Roadway	24ft	Wearing Surface				0.25ft
Median Width		Median Height				
Curb Height		Left	0.667ft	Right	0.667ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	0.291ft	Right	0.291ft	
Top of Rail to Deck/Wearing Surface		Left	2.25ft	Right	2.25ft	
Bridge Rail		Left	Type 23	Right	Type 23	



Measurements for Span #	1		
Deck Thickness	0.167	Left Overhang	0.542
Top of Rail to Bottom of Beam	4.417	Right Overhang	0.542

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.542ft	
2	Steel I Beam	2.542ft	
3	Steel I Beam	2.542ft	
4	Steel I Beam	2.542ft	
5	Steel I Beam	2.542ft	
6	Steel I Beam	2.542ft	
7	Steel I Beam	2.542ft	
8	Steel I Beam	2.542ft	
9	Steel I Beam	2.542ft	
10	Steel I Beam	ft	

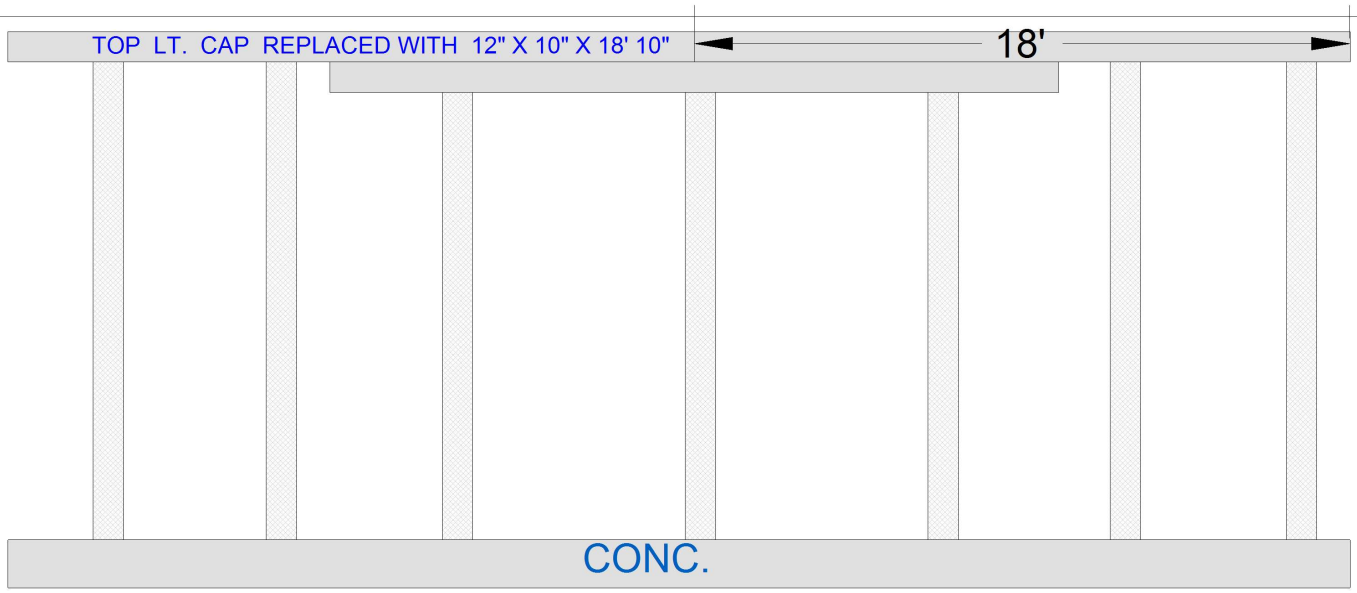


2 5/8" X 10" DIAPH. @ 1/3 PTS.

Title	Description
TS	TYPICAL SECTION

Bridge No:	Drawn By:	Date:	File Name:
940153	C. HOWARD	10/16/2013	S0126000351

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
36.833 ft.	.833 ft.	.833 ft.	2.750 ft.	2.167 ft.	2.167 ft.	1.750 ft.

Subcap Information			Material Timber		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
20.000 ft.	.833 ft.	.833 ft.	3.500 ft.	3.500 ft.	6.5 ft.

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	4.750 ft.	.833 ft.			Vertical	No	No	No	No
2	Timber	4.833 ft.	.833 ft.			Vertical	No	No	No	No
3	Timber	6.667 ft.	.833 ft.			Vertical	No	No	No	No
4	Timber	6.667 ft.	.833 ft.			Vertical	No	No	No	No
5	Timber	5 ft.	.833 ft.			Vertical	No	No	No	No
6	Timber	4.833 ft.	.833 ft.			Vertical	No	No	No	No
7	Timber		.833 ft.			Vertical	No	No	No	No

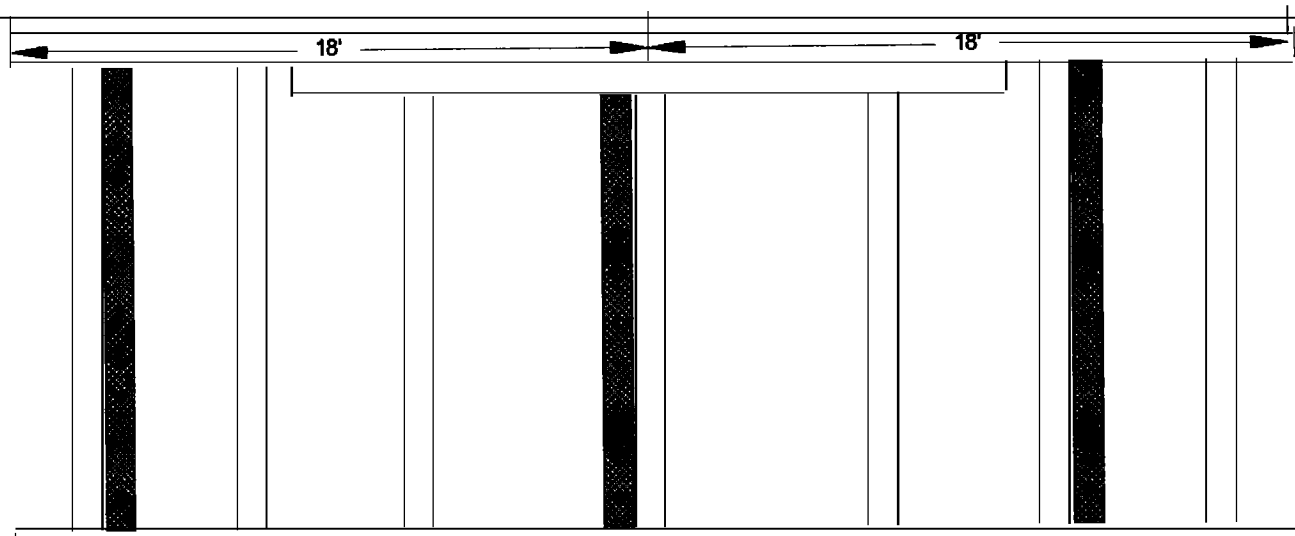
VERIFIED 10/16/13 M. CRAIG

Bent/Abutment #: 1 Similar Bents:

Title	**Description**
SUB 1	END BENT 1

Bridge No: 940153	**Drawn By:** G.R.R.	**Date:** 10/15/2007	**File Name:** S0130000367

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
36.000 ft.	.833 ft.	.833 ft.	2.083 ft.	2.083 ft.	1.750 ft.	1.750 ft.

Subcap Information			Material Timber		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
20.000 ft.	.833 ft.	.833 ft.	3.500 ft.	3.500 ft.	6.5 ft.

Sill Information			Material
Length	Width	Height	

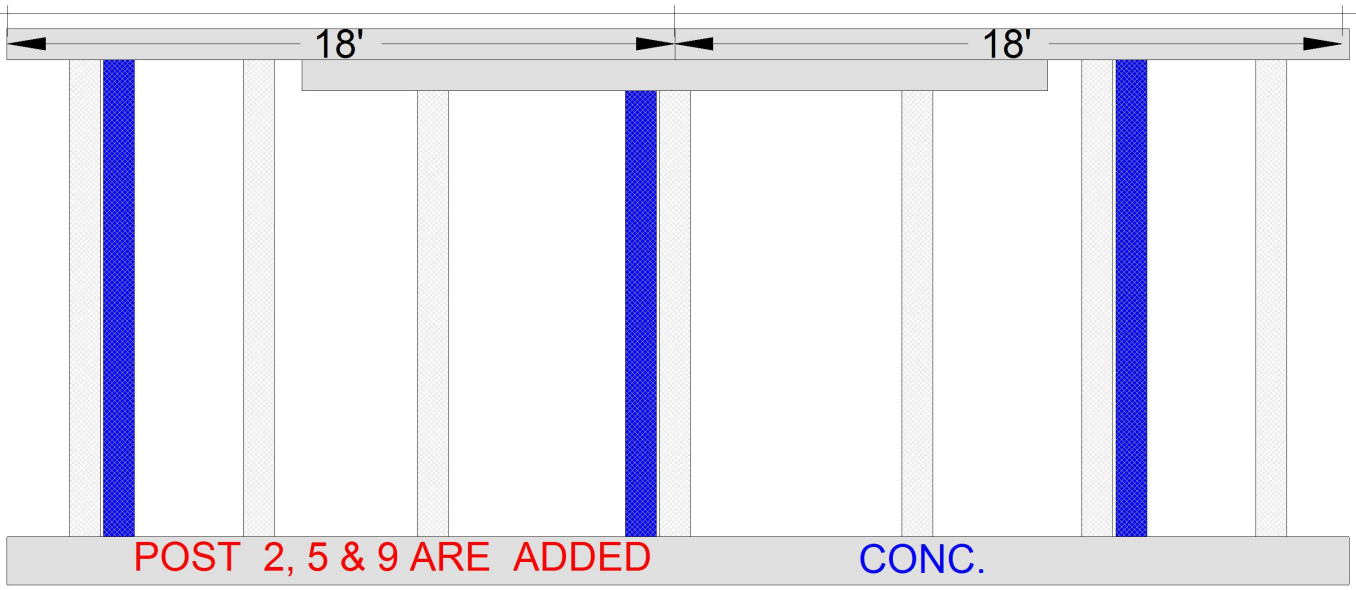
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	.917 ft.	.833 ft.			Vertical	No	No	No	No
2	Timber	3.750 ft.	.833 ft.			Vertical	No	No	No	No
3	Timber	4.667 ft.	.833 ft.			Vertical	No	No	No	No
4	Timber	5.583 ft.	.833 ft.			Vertical	No	No	No	No
5	Timber	.917 ft.	.833 ft.			Vertical	No	No	No	No
6	Timber	6.5 ft.	.833 ft.			Vertical	No	No	No	No
7	Timber	4.833 ft.	.833 ft.			Vertical	No	No	No	No
8	Timber	.917 ft.	.833 ft.			Vertical	No	No	No	No
9	Timber	3.750 ft.	.833 ft.			Vertical	No	No	No	No
10	Timber		0.833 ft.			Vertical	No	No	No	No

Bent/Abutment #: 2 Similar Bents:

Title	Description
SUB 2	SUB AB 2

Bridge No:	Drawn By:	Date:	File Name:
940153	G.R.R.	10/15/2007	S0130000368

Bridge Inspection Field Sketch



Cap Information — Material: Timber

Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
36.000 ft.	.833 ft.	.833 ft.	2.083 ft.	2.083 ft.	1.750 ft.	1.750 ft.

Subcap Information — Material: Timber

Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
20.000 ft.	.833 ft.	.833 ft.	3.500 ft.	3.500 ft.	6.5 ft.

Sill Information — Material:

Length	Width	Height

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	.917 ft.	.833 ft.			Vertical	No	No	No	No
2	Timber	3.750 ft.	.833 ft.			Vertical	No	YES	No	No
3	Timber	4.667 ft.	.833 ft.			Vertical	No	No	No	No
4	Timber	5.583 ft.	.833 ft.			Vertical	No	No	No	No
5	Timber	.917 ft.	.833 ft.			Vertical	No	YES	No	No
6	Timber	6.5 ft.	.833 ft.			Vertical	No	No	No	No
7	Timber	4.833 ft.	.833 ft.			Vertical	No	No	No	No
8	Timber	.917 ft.	.833 ft.			Vertical	No	No	No	No
9	Timber	3.750 ft.	.833 ft.			Vertical	No	YES	No	No
10	Timber		0.833 ft.			Vertical	No	No	No	No

VERIFIED 10/16/13 M. CRAIG

Bent/Abutment #: 2 Similar Bents:

Title

SUB 2

Description

END BENT 2

Bridge No: 940153 **Drawn By:** G.R.R. **Date:** 10/15/2007 **File Name:** S0130000368

Bridge Inspection Field Sketch



Roadway	17ft Wide	2 Paved Lanes	Looking North
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	4ft Wide		4ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 10/16/13 M. CRAIG

Title	Description
APRW	APPROACH ROADWAY

Bridge No:	Drawn By:	Date:	File Name:
940153	G.R.R.	10/15/2007	S0130000369

Structure 940153 County WATAUGA Date: 10/16/2013 Structure Photos



LOOKING NORTH



BRIDGE POSTING



SOUTH APPROACH LOOKING NORTH



NORTH APPROACH LOOKING SOUTH



UPSTREAM VIEW FROM BRIDGE DECK



DOWNSTREAM VIEW FROM BRIDGE DECK



WEST BRIDGE RAIL



EAST BRIDGE RAIL

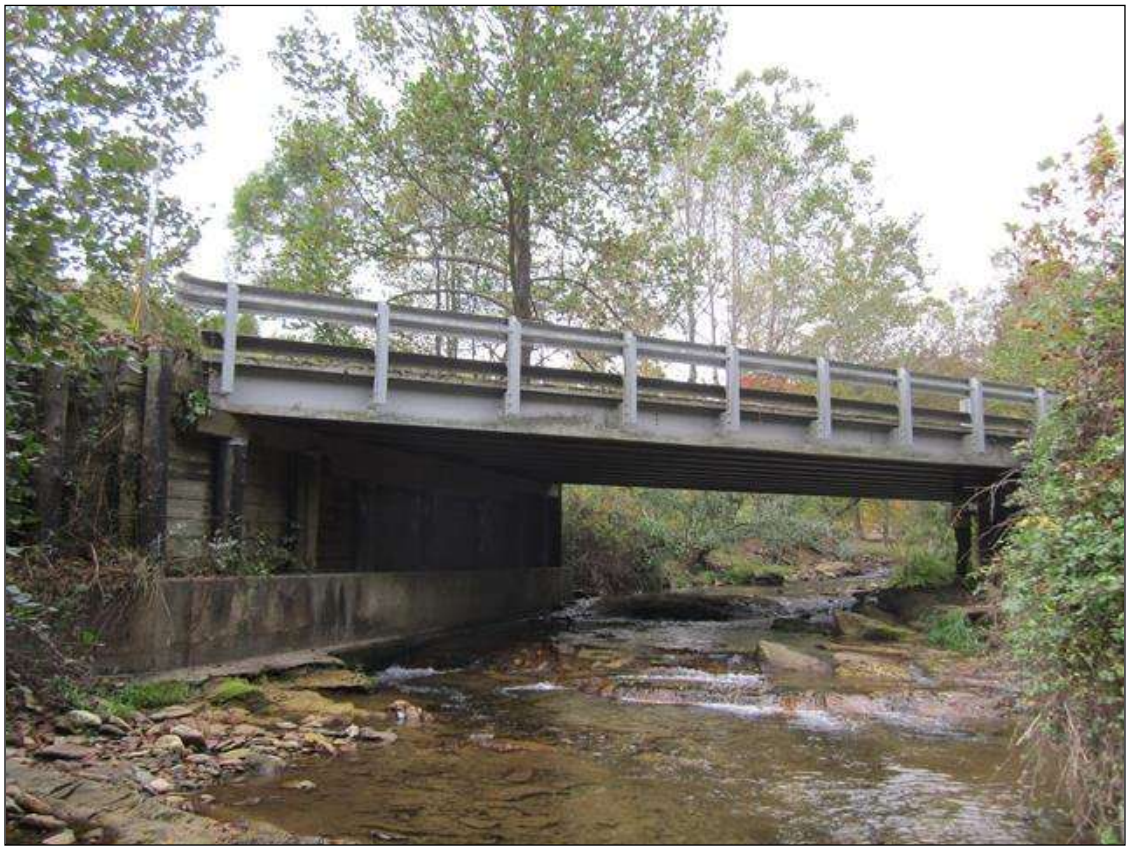
Structure 940153 County WATAUGA Date: 10/16/2013 Structure Photos



ASPHALT WEARING SURFACE



UPSTREAM PROFILE



DOWNSTREAM PROFILE



SUPERSTRUCTURE UNDERSIDE



BEARING ASSEMBLY



INTERMEDIATE DIAPHRAGM



ASPHALT WEARING SURFACE OVER END BENT 1



ASPHALT WEARING SURFACE OVER END BENT 2



END BENT 1



END BENT 2

Structure 940153 County WATAUGA Date: 10/16/2013 Structure Photos



NORTHEAST STREAMBANK



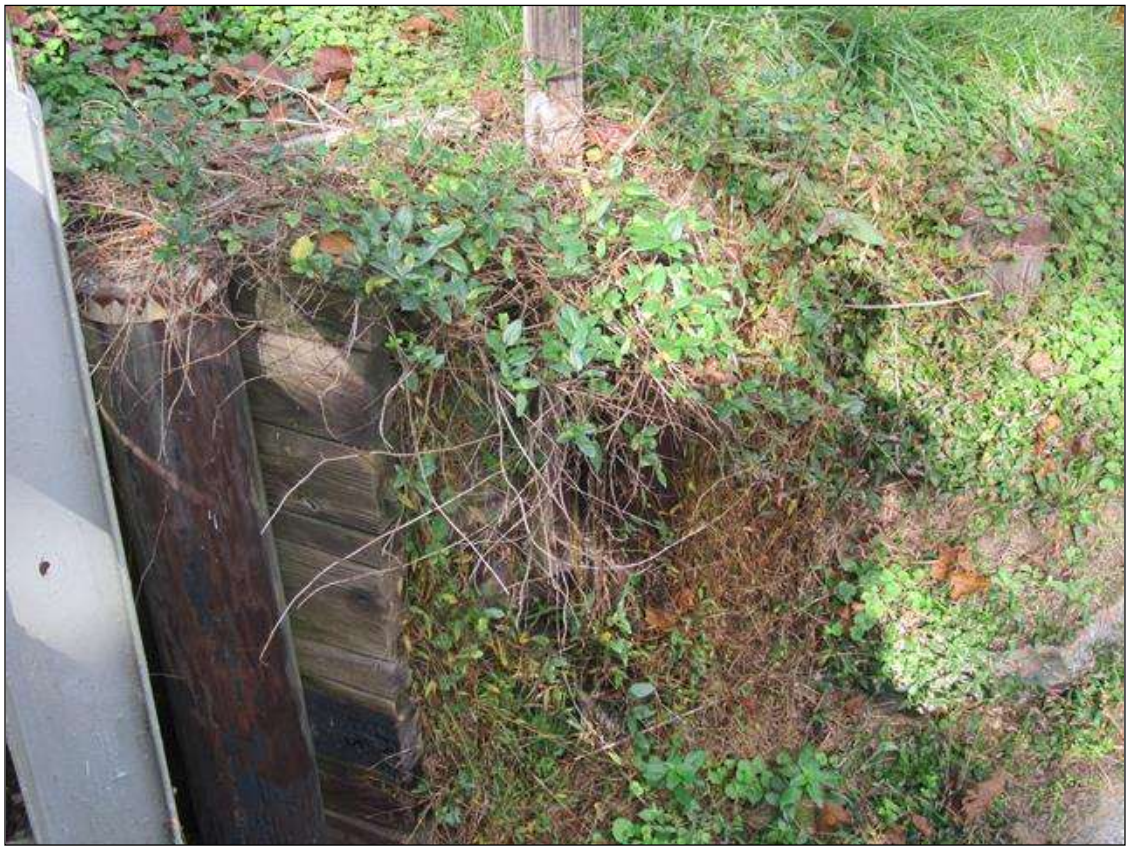
NORTHWEST STREAMBANK



SOUTHWEST STREAMBANK



SOUTHEAST STREAMBANK



NORTHEAST WINGWALL



NORTHWEST WINGWALL



SOUTHWEST WINGWALL



SOUTHEAST WINGWALL