

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCES
TEMPORARY REPAIR

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY WATAUGA BRIDGE NUMBER 940261 INSPECTION CYCLE 0 YRS
ROUTE SR1304 ACROSS COVE CREEK M.P. 0

LOCATION 125 FT.E.JCT.SR1233

SUPERSTRUCTURE TIMBER FLOOR ON I-BEAMS(LOW WATER TYPE)

SUBSTRUCTURE E.BTS: TIMBER CAPS/TIMBER POST&SILL @ 5'-10 CENTERS

SPANS 1 @ 35'-6

LONGITUDE 81° 45' 56.83"

LATITUDE 36° 18' 36.26"

INSPECTION DATE 07/02/2013

PRESENT CONDITION POOR

PRESENT POSTING Y SV 21 TTST 27 PROPOSED POSTING _____

OTHER SIGNS PRESENT (4) DELINEATORS, (2) ONE LANE BRIDGE



WEST APPROACH LOOKING EAST

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

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

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

BRIDGE: *940261* COUNTY: *Watauga* DATE: *3/21/2011*

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>TSE</i>
S I & A ITEM 59 - SUPERSTRUCTURE	<i>4</i>	<i>TSE 3/29/11</i>
S I & A ITEM 60 - SUBSTRUCTURE		
S I & A ITEM 64 OPERATING RATING		
	HS <i>01</i>	BY: <i>AK</i>
S I & A ITEM 66 - INVENTORY RATING		
	HS <i>01</i>	BY: <i>AK</i>

COMMENTS

*Plates welded to both side of the web of beam 2
at abut. 1.*

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

Run Date: 08/15/2013

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	940261		SUFFICIENCY RATING =		14.95	
(8) STRUCTURE NUMBER(FEDERAL)		000000001890261		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31013040					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2		CLASSIFICATION		CODE	
(3) COUNTY CODE 189	(4) PLACE CODE	0		(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - COVE CREEK				(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED SR1304				(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION 125 FT.E.JCT.SR1233				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT 36° 18' 36.26"	(17)LONG 81° 45' 56.83"			(102)DIRECTION OF TRAFFIC -	One Lane Bridge, 2-way Traffic	3	
(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: Steel				(22) OWNER -	State Highway Agency	01	
TYPE - Stringer Mutlibeam or Girder	CODE	302		(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5	
(44) STRUCTURE TYPE APPR :				CONDITION			
TYPE -	CODE	000		(58) DECK		5	
(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		4	
(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 -	Load Factor	1	
				(64) OPERATING RATING -	HS-1	1	
(27) YEAR BUILT		1966		(65) INVENTORY RATING METHOD -	Load Factor	1	
(106)YEAR RECONSTRUCTED				(66) INVENTORY RATING -	HS-1	1	
(42) TYPE OF SERVICE : ON - Highway				(70) BRIDGE POSTING -	Posting Required	2	
UNDER - Waterway	CODE	15		(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
(28) LANES: ON STRUCTURE 1 UNDER STRUCTURE		0		DESCRIPTION -	Posted for Load		
(29) AVERAGE DAILY TRAFFIC		40		APPRAISAL			
(30) YEAR OF ADT 2000	(109) TRUCK ADT PCT	%		(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		34 FT		(71) WATERWAY ADEQUACY		4	
(49) STRUCTURE LENGTH		36 FT		(72) APPROACH ROADWAY ALIGNMENT		6	
(50)CURB OR SIDEWALK: LEFT .5 FT RIGHT .5 FT				(36) TRAFFIC SAFETY FEATURES		0000	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		13 FT		(113)SCOUR CRITICAL BRIDGES		U	
(52) DECK WIDTH OUT TO OUT		14 FT		PROPOSED IMPROVEMENTS			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		11 FT		(75) TYPE OF WORK -		CODE	
(33) BRIDGE MEDIAN - No Median	CODE	0		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(34) SKEW 0°	(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		13 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 80	(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		07/02/2013	
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: 08/15/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
WATAUGA	11	2	940261	36	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1304	COVE CREEK

LOCATED :	BRIDGE NAME :	CITY :
125 FT.E.JCT.SR1233		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	40 2000	LT 0 RT 0

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1966	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	90	ON 1	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		6 FT		1		FT

SUPERSTRUCTURE :	TIMBER FLOOR ON I-BEAMS(LOW WATER TYPE)
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SUBSTRUCTURE :	E.BTS: TIMBER CAPS/TIMBER POST&SILL @ 5'-10 CENTERS
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SPANS :	1 @ 35'-6
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BEAMS OR GIRDERS :	6 LINES 15 I-BEAMS @ 2'-5.5 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/5 AWS		14 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
13 FT	0 FT	LT .5 FT RT .5 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Int.bms	SV 21	27	03/29/2011

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. 940261 COUNTY WATAUGA ROUTE SR1304 OVER COVE CREEK
 STRUCTURE TYPE TIMBER FLOOR ON I-BEAMS(LOW WATER TYPE)
 ROUTE ORIENTATION SPANS 1 @ 35'-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	P	
					b. ALIGNMENT	G	
					c. SCOUR	G	
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE			50. APPROACH ROADWAY CONDITION			P
	b. TIMBER	1	G	51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM CODE A			P
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER			55. ESTIMATED REMAINING LIFE			8
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G				
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED			NO
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			61. PROMPT-ACTION NOTICE ISSUED			YES
	b. MISC PREFAB			62. PRESENTLY POSTED			YES
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			5
	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	5	
10. LONGITUDINAL BEAMS OR GIRDERS			P	b. SUPERSTRUCTURE	ITEM 59	4	
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE	ITEM 60	4	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.	ITEM 61	4	
13. END DIAP'S, CURTAIN WALLS, & CONN'S							
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			F	a. WATERWAY ADAQUACY		4	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		6	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			O
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS	P	USE OF INSP. ACCESSIBILITY EQUIPMENT				
	b. PILES, POST, SILLS, & BRACING	P	SNOOPER (CODE S, 4, OR N)		HRS	NO	
	c. BULKHEADS, WING'S, & TIE BACKS	F	LADDER			NO	
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		BUCKET TRUCK			NO	
	b. ABUT. & BENT COL'S BREASTWALLS		BOAT			NO	
	c. ABUT. & INT. BENT PILES		OTHER			NO	
	d. BACKWALLS, WING'S, RETAIN. WALLS						
	e. ABUT. & BENT FOOTINGS & SILLS						
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:	Robert Branstetter		
41. DRIFT			P	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 R. PRUETT			
Assisted By RJF			
Item No.	Grade		
1	P	MISSING AND BROKEN ASPHALT ON ENTIRE DECK SURFACE [SEE PHOTO].	
10	P	1'-6" LONG SECTION LOSS WITH UP TO 1/4" THICKNESS REMAINING ALONG THE BOTTOM FLANGE OF BEAM 4 END AT ABUTMENT 2 WITH A 1/4" DIAMETER HOLE IN THE WEB 10" FROM BEAM END [SEE PHOTO, PRIORITY MAINTENANCE]. TEMPORARY REPAIR IN WEBS OF BEAMS 5 AND 6 AT ABUTMENT 2 [SEE PHOTO]. TEMPORARY REPAIR TO FLANGES OF BEAMS 1 - 6 IN ABUTMENT 1 [SEE PHOTO]. PEELING PAINT AND SURFACE RUST ALONG BEAMS [SEE PHOTO].	
15	F	BEARINGS HAVE SURFACE RUST THROUGHOUT.	
52	P	PEELING PAINT AND SURFACE RUST ALONG BEAMS [SEE PHOTO].	
35a	P	DECAYED AREA UP TO 5" DIAMETER X 1'-2" DEEP IN THE NORTH END OF ABUTMENT 2 CAP [SEE PHOTO, PRIORITY MAINTENANCE]. DECAYED AREA UP TO 8" LONG X 6" HIGH X 7" DEEP IN THE SOUTH END OF ABUTMENT 1 CAP [SEE PHOTO, PRIORITY MAINTENANCE].	
35b	P	DECAYED AREA UP TO 11" WIDE X 1'-2" HIGH X 1 1/2" DEEP IN POST 2 OF ABUTMENT 2 [SEE PHOTO, PRIORITY MAINTENANCE]. DECAYED AREA UP TO 5" WIDE X 3" HIGH X 1 1/2" DEEP IN PILE 1 OF ABUTMENT 1 [SEE PHOTO].	
35c	F	CRACKING THROUGHOUT BULKHEAD AND RANDOM AREAS ARE SOFT WITH SPOT DECAY.	
41	P	DRIFT AT NORTHEAST END OF ABUTMENT 1 [SEE PHOTO]. DRIFT ALONG WEST END OF ABUTMENT 1 [SEE PHOTO].	
45a	P	DRIFT LODGED IN BEAMS INDICATES BRIDGE OVERTOPS.	
50	P	3' WIDE X 5'-4" LONG X 1-1/2" DEEP POTHOLE IN WEST APPROACH [SEE PHOTO]. SHALLOW POTHOLES WITH STANDING WATER ALONG ABUTMENT 1 JOINT [SEE PHOTO]. POTHOLES UP TO 4' LONG X 2' WIDE X 1" DEEP WITH STANDING WATER AT THE EAST APPROACH [SEE PHOTO].	
71a	4	DRIFT LODGED IN BEAMS INDICATES BRIDGE OVERTOPS.	
71b	6	BRIDGE IS ON A HORIZONTAL CURVE WHICH INDICATES A SPEED REDUCTION.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 940261

County WATAUGA

Date: 07/02/2013

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	2	END 1'-6" OF BEAM 4 FROM ABUTMENT 2 HAS SURFACE RUST WITH SECTION LOSS UP TO 1/4" THICK REMAINING. ADDITIONALLY, THERE IS A 1/4" DIAMETER HOLE IN THE WEB OF BEAM 4, 10" FROM THE END [PRIORITY MAINTENANCE].	
 3344	Repair / Replace Timber Substructure Components	LF	1	POST 2 OF ABUTMENT 2 HAS A DECAYED AREA UP TO 11" WIDE X 1'-2" HIGH X 1 1/2" DEEP [PRIORITY MAINTENANCE].	
 3344	Repair / Replace Timber Substructure Components	LF	2	NORTH END OF ABUTMENT 2 CAP HAS A DECAYED AREA UP TO 5" DIAMETER X 1'-2" DEEP [PRIORITY MAINTENANCE].	
 3344	Repair / Replace Timber Substructure Components	LF	1	DECAYED AREA UP TO 8" LONG X 6" HIGH X 7" DEEP IN THE SOUTH END OF ABUTMENT 1 CAP [PRIORITY MAINTENANCE]	
2816	Asphalt Surface Repair or Replacement	SY	1	POTHoles UP TO 4' LONG X 2' WIDE X 1" DEEP AND STANDING WATER IN ABUTMENT 2 APPROACH	
2816	Asphalt Surface Repair or Replacement	SY	20	3' WIDE X 5'-4" LONG X 1-1/2" DEEP POTHOLE IN WEST APPROACH AND POTHoles UP TO 4' LONG X 2' WIDE X 1" DEEP AND STANDING WATER IN ABUTMENT 2 APPROACH.	
3344	Repair / Replace Timber Substructure Components	LF	1	DECAYED AREA UP TO 5" WIDE X 3" HIGH X 1.5" DEEP IN PILE 1 OF ENDBENT 1	
3344	Repair / Replace Timber Substructure Components	LF	15	DECAYED AREA UP TO 8" LONG X 6" HIGH X 7" DEEP IN THE SOUTH END OF ABUTMENT 1 CAP AND UP TO 5" WIDE X 3" HIGH X 1 1/2" DEEP IN PILE 1 OF ABUTMENT 1.	
3366	Drift and Debris Removal	HR	16	REMOVE DRIFT.	
5603	Partial Cleaning and Painting of Structural Steel	SF	300	PEELING PAINT AND SURFACE RUST IN BEAM 3 (SIMILAR THROUGHOUT).	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940261 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	2 LF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 4
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
07/03/2013	R. PRUETT	R. FLORY, J. WEATHERBURNE
Details		
END 1'-6" OF BEAM 4 FROM ABUTMENT 2 HAS SURFACE RUST WITH SECTION LOSS UP TO 1/4" THICK REMAINING. ADDITIONALLY, THERE IS A 1/4" DIAMETER HOLE IN THE WEB OF BEAM 4, 10" FROM THE END [PRIORITY MAINTENANCE].		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF
Location:		
Abutment Substructure	Bent/Span No. 2	POST 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
07/03/2013	R. PRUETT	R. FLORY, J. WEATHERBURNE
Details		
POST 2 OF ABUTMENT 2 HAS A DECAYED AREA UP TO 11" WIDE X 1'-2" HIGH X 1 1/2" DEEP [PRIORITY MAINTENANCE].		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 940261 County WATAUGA

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	2 LF
Location:		
Abutment Cap	Bent/Span No. 2	ABUTMENT 2 CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
07/03/2013	R. PRUETT	R. FLORY, J. WEATHERBURNE
Details		
NORTH END OF ABUTMENT 2 CAP HAS A DECAYED AREA UP TO 5" DIAMETER X 1'-2" DEEP [PRIORITY MAINTENANCE].		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF
Location:		
Abutment Cap	Bent/Span No. 1	TIMBER CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
07/10/2013	R. PRUETT	R.FLORY
Details		
DECAYED AREA UP TO 8" LONG X 6" HIGH X 7" DEEP IN THE SOUTH END OF ABUTMENT 1 CAP [PRIORITY MAINTENANCE]		



DECAYED AREA UP TO 11" WIDE X 1'-2" HIGH X 1 1/2" DEEP IN POST 2 OF ABUTMENT 2 [PRIORITY MAINTENANCE]



DECAYED AREA UP TO 5" DIAMETER X 1'-2" DEEP IN THE NORTH END OF ABUTMENT 2 CAP [PRIORITY MAINTENANCE]



1'-6" SECTION LOSS ALONG THE BOTTOM FLANGE OF BEAM 4 END AT ABUTMENT 2 WITH A 1/4" DIAMETER HOLE IN THE WEB 10" FROM BEAM END [PRIORITY MAINTENANCE]



3' WIDE X 5'-4" LONG X 1-1/2" DEEP POTHOLE IN WEST APPROACH



POTHOLES AND STANDING WATER IN ABUTMENT 1 JOINT



MISSING AND BROKEN ASPHALT ON ENTIRE DECK SURFACE



POTHOLES UP TO 4' LONG X 2' WIDE X 1" DEEP WITH STANDING WATER IN THE EAST APPROACH



TEMPORARY REPAIR IN WEBS OF BEAMS 5 AND 6 AT ABUTMENT 2



DECAYED AREA UP TO 8" LONG X 6" HIGH X 7" DEEP IN THE SOUTH END OF ABUTMENT 1 CAP



DRIFT AT NORTHEAST END



TEMPORARY REPAIR TO FLANGES IN BEAMS 1 - 6 IN ABUTMENT 1 (BEAM 3 SHOWN)



DRIFT ALONG WEST END OF ABUTMENT 1 (BAYS 4 AND 5 SHOWN)



DECAYED AREA UP TO 5" WIDE X 3" HIGH X 1 1/2" DEEP IN PILE 1 OF ABUTMENT 1

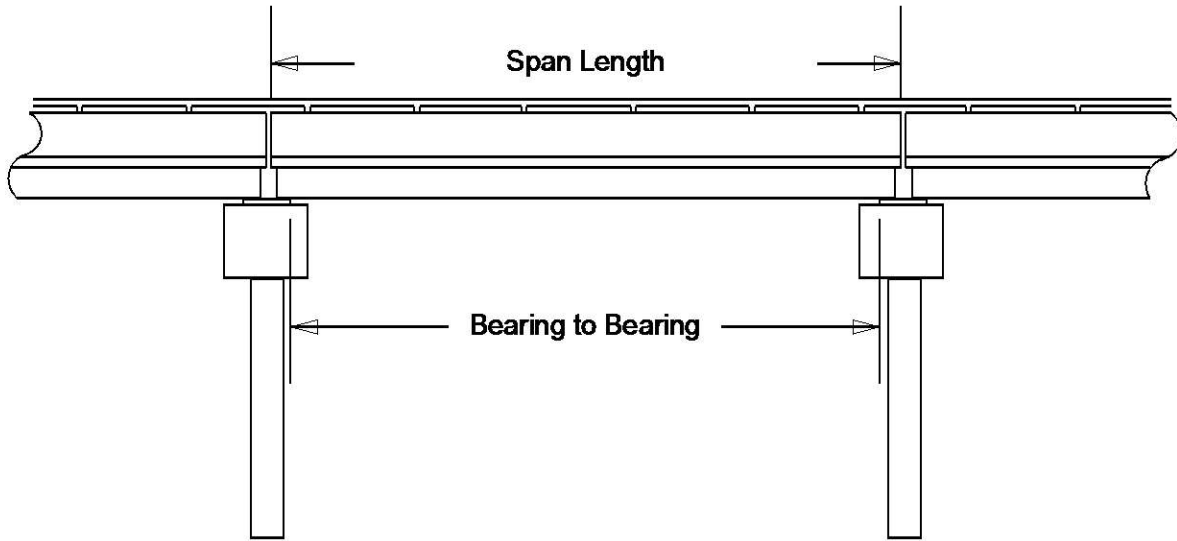


PEELING PAINT AND SURFACE RUST IN BEAM 3 (SIMILAR THROUGHOUT)

Structure Data Worksheet

Spans

County: WATAUGA Structure No: 940261 Date: 07/02/2013 Inspected By: RAP



Span No	Span Length	Bearing to Bearing	Comments
1	35 FT. 6 IN.	34 ft. 2 in.	NBIS = 33'-0"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 940261 County: WATAUGA Date: 07/02/2013 By: RAP

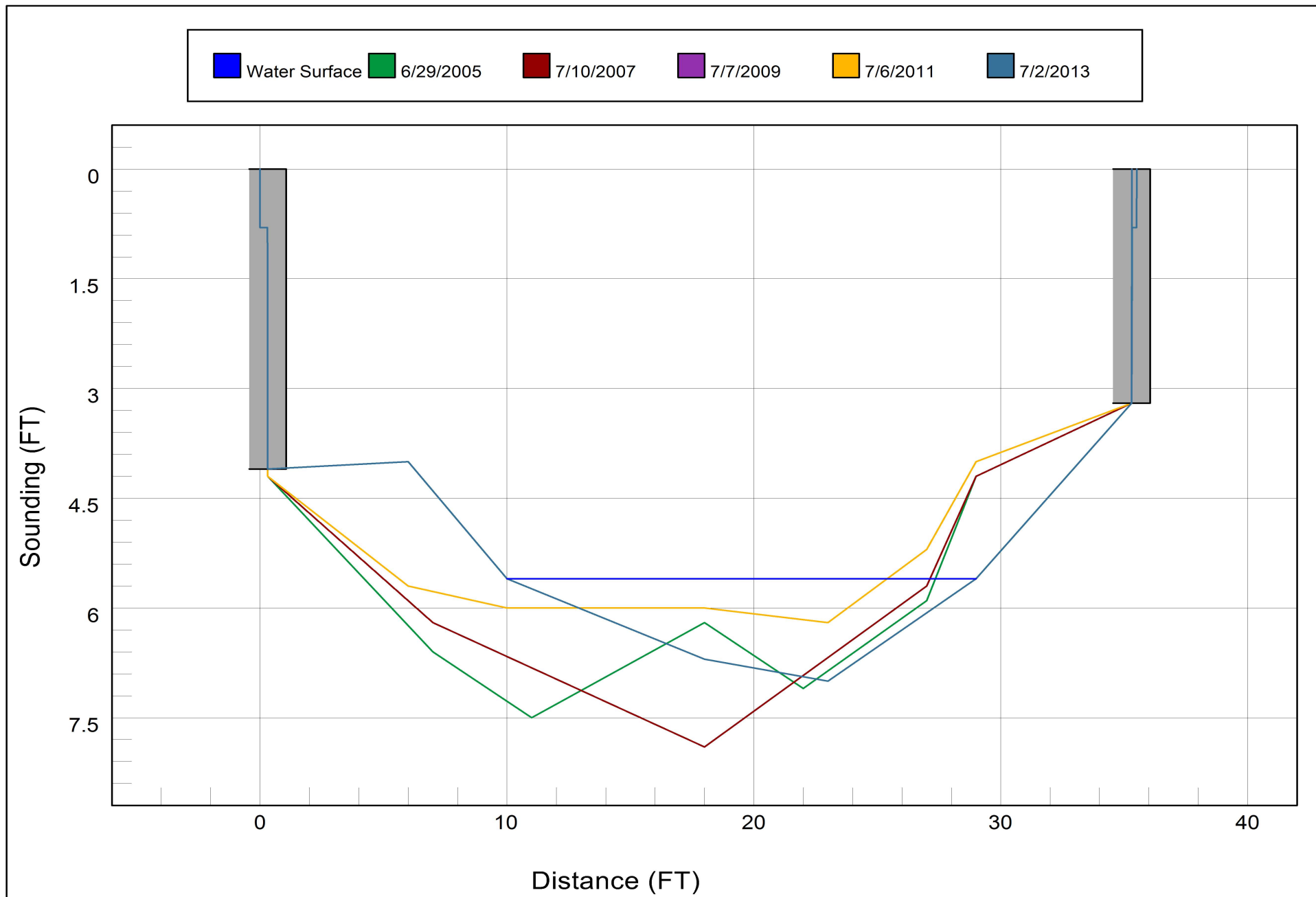
Record sounding from top of rail. Other location if needed: _____

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	0.8	TOP OF FF			
0.3	0.8	TOP OF FF			
0.31	4.1	FACE OF ABUTMENT 1	0.31	4.5	FACE OF ABUTMENT 1
6	4	GROUND			
10	5.6	WSWE			
18	6.7	BED			
23	7	BED			
29	5.6	WSWE			
35.3	3.2	FACE OF ABUTMENT 2	35.3	4.7	FACE OF ABUTMENT 2
35.31	0	TOP OF RAIL			
35.31	2.8	TOP OF CAP			
35.32	0.8	TOP OF FF			
35.5	0.8	TOP OF FF			
35.51	0	TOP OF RAIL			

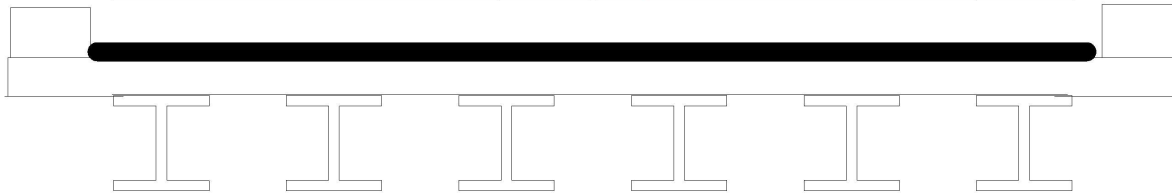
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



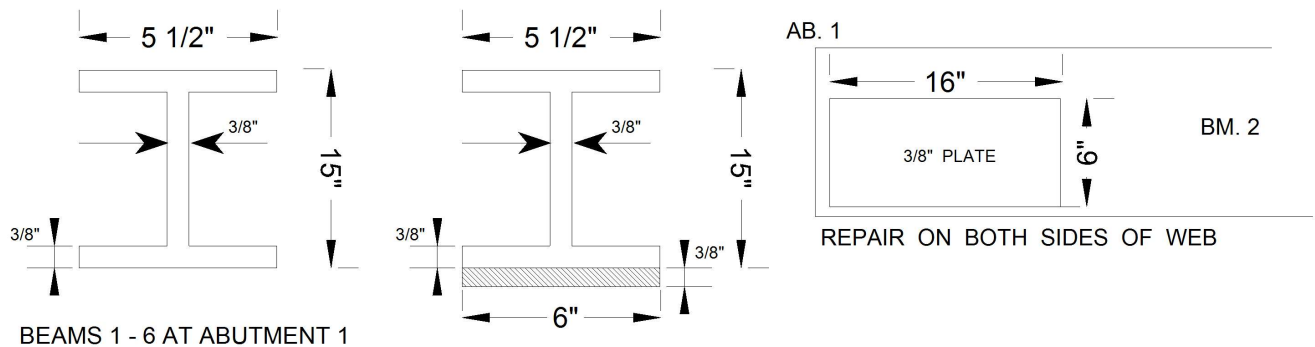
Bridge Inspection Field Sketch

Deck Width/Out to Out	14.00ft	Wearing Surface	0.042ft.
Between Rails		Median Width	
Curb Height	0.750ft	Median Height	
Top Rail to Deck/Wearing Surface		Left Guardrail Width	
Clear Roadway	13.00ft	Right Guardrail Width	
Left Bridge Rail		Right Bridge Rail	



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.750
Top of Rail to Bottom of Beam	2.750	Right Overhang	0.917

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.459ft.	
2	Steel I Beam	2.459ft.	
3	Steel I Beam	2.459ft.	
4	Steel I Beam	2.459ft.	
5	Steel I Beam	2.459ft.	
6	Steel I Beam		



MODIFIED 7/2/13 BY KCI
VERIFIED 7/6/11 DWELBORN

Title

TS

Description

SUPER

Bridge No: 940261

Drawn By: KCI

Date: 7/2/2013

File Name: S0126000115

Bridge Inspection Field Sketch



Roadway	11ft Wide	2 Paved Lanes	Looking East
Left Shoulder	1ft Wide		1ft Unpaved
Right Shoulder	1ft Wide		1ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 7/2/13 BY KCI
VERIFIED 7/06/11 JFAULKNER

Title

APP.

Description

APP. RDWY.

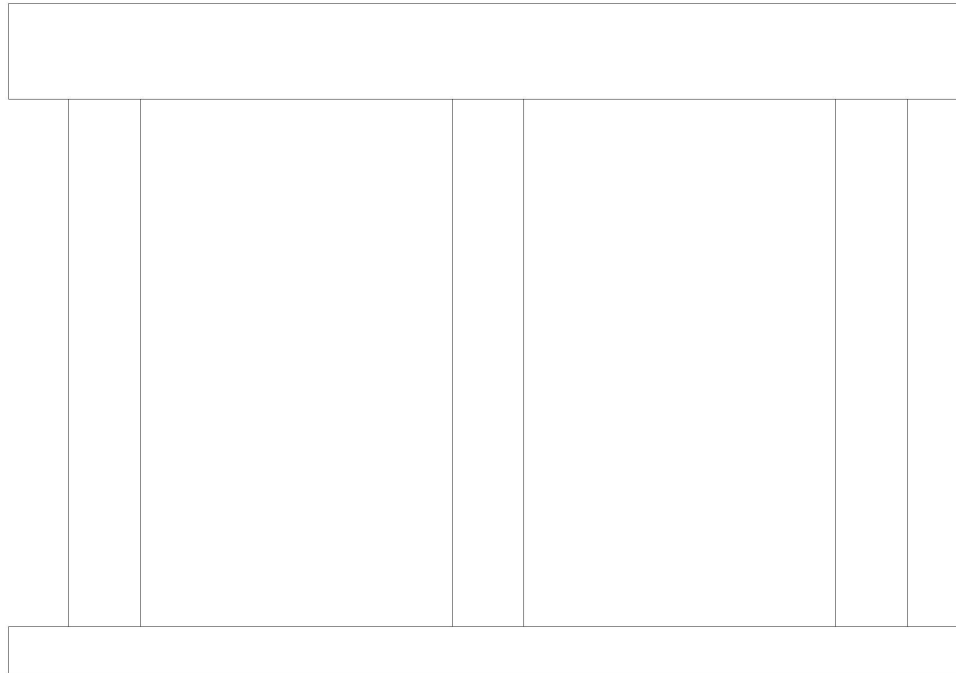
Bridge No: 940261

Drawn By: G.R.R

Date: 06/29/2005

File Name: S0126000128

Bridge Inspection Field Sketch



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	20ft Long	0.833ft Wide	0.833ft High
Left Overhang	1.167ft	Lt Cap/Beam Overhang	.917ft
Right Overhang	1.167ft	Rt Cap/Beam Overhang	.917ft
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5' 10"		10"	10"	Vertical
2	Wood or Timber	Post and Sills	5' 10"		10"	10"	Vertical
3	Wood or Timber	Post and Sills			10"	10"	Vertical

VERIFIED 7/2/13 BY KCI
VERIFIED 7/06/11 JFAULKNER

Title

SUB

Description

SUBSTRUCTURE AB

Bridge No: 940261

Drawn By: G.R.R.

Date: 06/29/2005

File Name: S0130000134



EAST APPROACH LOOKING WEST



NORTHEAST POSTING SIGN



LOOKING UPSTREAM NORTH



LOOKING DOWNSTREAM SOUTH



WEST APPROACH LOOKING EAST



NORTH BRIDGE RAIL (SOUTH SIMILAR)



BEAM 3 END BEARING AT ABUTMENT 2 (OTHERS SIMILAR)



ABUTMENT 2 ELEVATION



ABUTMENT 1 ELEVATION



SUPERELEVATION



LOOKING DOWNSTREAM FROM BELOW



LOOKING UPSTREAM FROM BELOW



SOUTH BRIDGE ELEVATION



NORTH BRIDGE ELEVATION