



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMPORARY REPAIR

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY WILKES BRIDGE NUMBER 960153 INSPECTION CYCLE 0 YRS
ROUTE SR1728 ACROSS MULBERRY CREEK M.P. 0

LOCATION .8 MI.N.JCT.NC18

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

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

SPANS 1 @ 25'-6

LONGITUDE 81° 13' 35.80"

LATITUDE 36° 20' 36.44"

INSPECTION DATE 12/12/2012

PRESENT CONDITION FAIR

PRESENT POSTING Y SV 25 TTST 38

PROPOSED POSTING

OTHER SIGNS PRESENT (4) DELINEATORS



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></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

VOID

BRIDGE: 960153 COUNTY: Willkes DATE: 5/23/07

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	<u>T</u>	<u>JRJ</u>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<u>3</u>	<u>JRJ</u>
S I & A ITEM 64 OPERATING RATING		
HS <u>0-0</u> BY: <u>AK</u>		
S I & A ITEM 66 - INVENTORY RATING		
HS <u>0-0</u> BY: <u>AK</u>		

6-14-07

VOID

COMMENTS

*Prot #5 @ abut #2 supplemented.
NOT TEMP TMS 05/05/15*

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

Update Date: 05/11/2015

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	960153		SUFFICIENCY RATING =		74.26	
(8) STRUCTURE NUMBER(FEDERAL)		000000001930153		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31017280					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3					
(3) COUNTY CODE	193	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	JOSHUA CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	SR1728			(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION	.8 MI.N.JCT.NC18			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	36° 20' 36.44"	(17)LONG	81° 13' 35.80"	(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO				(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	
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) STRUCTURE TYPE MAIN:	Steel			(58) DECK		7	
TYPE -	Stringer Multibeam or Girder	CODE	302	(59) SUPERSTRUCTURE		5	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		6	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		6	
(45) NUMBER OF SPANS IN MAIN UNIT		1		(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	8	CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	Unknown	0	
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Load Factor	1	
(B) TYPE OF MEMBRANE -		CODE		(64) OPERATING RATING -	HS-37	66	
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-22	39	
				(70) BRIDGE POSTING -	No Posting Required	5	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		A	
				DESCRIPTION -	Open, No Restriction		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT		1965		(67) STRUCTURAL EVALUATION		5	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		4	
(42) TYPE OF SERVICE : ON -	Highway			(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER - Waterway		CODE	15	(71) WATERWAY ADEQUACY		5	
(28) LANES: ON STRUCTURE	2	UNDER STRUCTURE	0	(72) APPROACH ROADWAY ALIGNMENT		6	
(29) AVERAGE DAILY TRAFFIC			220	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2012	(109) TRUCK ADT PCT	6%	(113)SCOUR CRITICAL BRIDGES		U	
(19) BYPASS OR DETOUR LENGTH		18 MI		PROPOSED IMPROVEMENTS			
GEOMETRIC DATA				(75) TYPE OF WORK -		CODE	
(48) LENGTH OF MAXIMUM SPAN		24 FT		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH		26 FT		(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT	.6 FT RIGHT	.6 FT		(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		22.667 FT		(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT		24 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT		(114)FUTURE ADT	440	(115) YEAR FUTURE ADT	2025
(33) BRIDGE MEDIAN -	No Median	CODE	0	INSPECTIONS			
(34) SKEW	35°	(35) STRUCTURE FLARED	0	(90) INSPECTION DATE		12/12/2012	
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		22.667 FT		A) FRACTURE CRIT DETAIL -	NO	A)	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		B) UNDERWATER INSP -	NO	B)	
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad	0 FT		C) OTHER SPECIAL INSP	NO	C)	
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad	000 FT		SCOUR			
(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					

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Update Date: 05/11/2015

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
WILKES	11	3	960153	26	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1728	JOSHUA CREEK

LOCATED :	BRIDGE NAME :	CITY :
.8 MI.N.JCT.NC18		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	220 2012	LT 0 RT 0

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1965	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
	BMU	5.7651	TAN	55	ON 2 UNDER 0

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

SUPERSTRUCTURE :	TIMBER FLOOR ON SALVAGED I-BEAMS(LOW WATER TYPE)
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SUBSTRUCTURE :	E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CENTERS
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SPANS :	1 @ 25'-6
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BEAMS OR GIRDERS :	12 LINES 15 I-BEAMS @ 1'-11.5" CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/NO AWS		24 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
22.667 FT	0 FT	LT .6 FT RT .6 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-22	HS-37	Int.bms	SV		04/28/2015

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. 960153 COUNTY WILKES ROUTE SR1728 OVER MULBERRY CREEK
 STRUCTURE TYPE TIMBER FLOOR ON SALVAGED I-BEAMS(LOW WATER TYPE)
 ROUTE ORIENTATION W - E SPANS 1 @ 25'-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	45. CHANNEL & CHANNEL PROT.			
1. WEARING SURFACE			G	a. WATERWAY			G
				b. ALIGNMENT			F
2. DECK NO. OF EA TYPE				c. SCOUR			F
a. CONCRETE				d. SLOPE PROT., RIP-RAP, DIKES, ETC.			
b. TIMBER			G	50. APPROACH ROADWAY CONDITION			G
c. STEEL PLANK				51. APPROACH SLABS			
d. OPEN GRID				52. PAINT SYSTEM			CODE A F
3. RAILING				53. UTILITIES			
a. CONCRETE				54. RESPONSE TO LIVE LOAD			G
b. TIMBER				55. ESTIMATED REMAINING LIFE			10
c. ALUMINUM							
d. STEEL							
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G	60. REGULATORY SIGN NOTICE ISSUED			NO
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				61. PROMPT-ACTION NOTICE ISSUED			NO
6. DECK EXP JTS. OR DEVICES. NO. OF EACH				62. PRESENTLY POSTED			YES
a. STEEL PL OR FINGER				63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			5
b. MISC PREFAB				64. TOTAL SNOOPER INSP. TIME (HRS)			
c. COMPRESSION SEAL				65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
d. STANDARD JOINTS							
e. OPEN JOINTS							
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			F				
				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			F	b. SUPERSTRUCTURE			ITEM 59 5
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE			ITEM 60 6
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.			ITEM 61 6
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			5
16. DRAINAGE SYSTEM (ON STRUCTURE)			F	b. APPR. RDWY. ALIGNMENT			6
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			B
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.				USE OF INSP. ACCESSIBILITY EQUIPMENT			
a. ABUT. & INT. BENT CAPS & RISERS			F	SNOOPER (CODE S, 4, OR N)			HRS NO
b. PILES, POST, SILLS, & BRACING			F	LADDER			NO
c. BULKHEADS, WING'S, & TIE BACKS			F	BUCKET TRUCK			NO
36. CONC SUB STR.				BOAT			NO
a. ABUT. & INT. BENT CAPS				OTHER			NO
b. ABUT. & BENT COL'S BREASTWALLS							
c. ABUT. & INT. BENT PILES							
d. BACKWALLS, WING'S, RETAIN. WALLS			F				
e. ABUT. & BENT FOOTINGS & SILLS							
37. STEEL SUB STR.				SPECIAL INSPECTION REQUESTED FOR			
a. ABUT. & INT. BENT CAPS & RISERS							
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 R. Smith
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 Inspeccion & Analysis</u>	
Team Leader Robert Pruett			
Assisted By RJF			
Item No.	Grade		
1	G	TRANSVERSE CRACKS THROUGHOUT THE DECK ASPHALT WEARING SURFACE [SEE PHOTO].	
7	F	VEGETATION DEBRIS ALONG BOTH BRIDGE RAILS [SEE PHOTO].	
10	F	DELAMINATED STEEL ALONG THE BOTTOM FLANGE OF ALL BEAMS WITHOUT WITH SECTION LOSS NOTED UP TO 1/16" AT BEAM ENDS [SEE PHOTO].	
10A	NO	THERE ARE NO CURVED GIRDERS.	
15	F	THERE IS SURFACE RUST THROUGHOUT ALL BEARINGS.	
16	F	THERE IS DEBRIS ALONG BOTH BRIDGE RAILS [SEE PHOTO].	
52	F	THERE IS PAINT LOSS ALONG THE BOTTOM FLANGE OF ALL BEAMS [SEE PHOTO].	
35a	F	THE NORTH END OF ABUTMENT 1 CAP HAS AN 8" DIAMETER X 2" DEEP DECAYED AREA [SEE PHOTO]. THE SOUTH END OF ABUTMENT 1 CAP AND THE NORTH END OF ABUTMENT 2 CAP HAVE A 5" WIDE X 4" HIGH X 8" DEEP DECAYED AREA [SEE PHOTO]. THERE IS A CUT OUT AREA IN ABUTMENT 1 CAP THAT HAS SURFACE DECAYED AROUND THE PERIMETER OF THE HOLE [SEE PHOTO].	
35b	F	THE NORTH SOLDIER PILE AT ABUTMENT 1 HAS A 4'-0" HIGH X 6" DEEP X 4" WIDE FRACTURED [SEE PHOTO]. THERE IS SURFACE DECAY AT PILE 9 OF ABUTMENT 2 AND A TEMPORARY REPAIR ADJACENT TO THE PILE [SEE PHOTO]. THE SOLDIER PILE OF THE NORTHWEST WINGWALL HAS A 2'-2" HIGH X 6" WIDE X 6" DEEP FRACTURED [SEE PHOTO]. THE SOLDIER PILE AT THE NORTHEAST WINGWALL IS MISSING [SEE PHOTO]. THE SOUTH SOLDIER PILE AT ABUTMENT 2 HAS ROTATED UP TO 5" AT THE TOP [SEE PHOTO].	
35c	F	THE SOUTH END OF ABUTMENT 1 BULKHEAD HAS A 9" HIGH X 5" WIDE X 3" DEEP DECAYED AREA [SEE PHOTO]. THE SOUTH END OF ABUTMENT 2 BULKHEAD HAS 4'-0" LONG X 4" HIGH X 3" DEEP DECAYED AREA [SEE PHOTO]. THE SOUTH END OF THE ABUTMENT 2 BACKWALL HAS AN UNDERMINED AREA UP TO 2'-6" LONG X 12" DEEP X 5" HIGH. THERE IS STONE BEHIND THE BACKWALL AND NO LOSS OF FILL IS NOTED [SEE PHOTOS]. THE SOUTHEAST MASONRY WINGWALL HAS AN UNDERMINED AREA UP TO 2'-6" LONG X 8" HIGH X 2'-4" DEEP WITH NO LOSS OF FILL NOTED [SEE PHOTO].	
36d	F	2'-6" LONG X 8" HIGH X 2'-4" DEEP AREA OF UNDERMINING ALONG THE SOUTHEAST MASONRY WINGWALL [SEE PHOTO].	

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 Robert Pruett			
Assisted By RJF			
Item No.	Grade		
45b	F	THE CHANNEL FLOWS INTO THE SOUTHEAST WINGWALL AND AND ALONG ABUTMENT 1.	
45c	F	THE SOUTH END OF THE ABUTMENT 2 BACKWALL HAS AN UNDERMINED AREA UP TO 2'-6" LONG X 12" DEEP X 5" HIGH. THERE IS STONE BEHIND THE BACKWALL AND NO LOSS OF FILL IS NOTED [SEE PHOTOS]. THE SOUTHEAST MASONRY WINGWALL HAS AN UNDERMINED AREA UP TO 2'-6" LONG X 8" HIGH X 2'-4" DEEP WITH NO LOSS OF FILL NOTED [SEE PHOTO].	
50	G	THERE ARE EROSION AREAS ALONG BOTH APPROACHES.	
62	YES	SV 25; TTST 38.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 960153

County WILKES

Date: 12/12/2012

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
2816	Asphalt Surface Repair or Replacement	SY	65	TRANSVERSE CRACKS THROUGHOUT THE DECK ASPHALT WEARING SURFACE.	
3344	Repair / Replace Timber Substructure Components	LF	9	2'-2" HIGH X 6" WIDE X 6" DEEP FRACTURED SOLDIER PILE AT NORTHWEST WINGWALL. 4'-0" HIGH X 6" DEEP X 4" WIDE FRACTURED NORTH SOLDIER PILE AT ABUTMENT 1. 8" DIAMETER X 2" DEEP DECAYED AREA AT THE NORTH END OF ABUTMENT 1 CAP. 5" WIDE X 4" HIGH X 8" DEEP DECAYED AREA AT THE SOUTH END OF ABUTMENT 1 CAP AND AT NORTH END OF ABUTMENT 2.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	3	9" HIGH X 5" WIDE X 3" DEEP DECAYED AREA AT SOUTH END OF ABUTMENT 1 BULKHEAD. 4'-0" LONG X 4" HIGH X 3" DEEP DECAYED AREA AT THE SOUTH END OF ABUTMENT 2 BULKHEAD.	
3366	Drift and Debris Removal	HR	8	VEGETATION DEBRIS ALONG BOTH BRIDGE RAILS.	
5603	Partial Cleaning and Painting of Structural Steel	SF	400	DELAMINATED STEEL ALONG BOTTOM FLANGE OF ALL BEAMS WITH UP TO 1/16" SECTION LOSS AT BEAM ENDS.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



TRANSVERSE CRACKS THROUGHOUT THE DECK ASPHALT WEARING SURFACE



VEGETATION DEBRIS ALONG THE NORTH BRIDGE RAIL (SOUTH SIMILAR)



2'-2" HIGH X 6" WIDE X 6" DEEP FRACTURED SOLDIER PILE AT NORTHWEST WINGWALL



4'-0" HIGH X 6" DEEP X 4" WIDE FRACTURED NORTH SOLDIER PILE AT ABUTMENT 1



8" DIAMETER X 2" DEEP DECAYED AREA AT THE NORTH END OF ABUTMENT 1 CAP



DELAMINATED STEEL IN BOTTOM FLANGE OF ALL BEAMS WITH UP TO 1/16" SECTION LOSS AT BEAM ENDS



5" WIDE X 4" HIGH X 8" DEEP DECAYED AREA AT THE SOUTH END OF ABUTMENT 1 CAP (NORTH END OF ABUTMENT 2 SIMILAR)



9" HIGH X 5" WIDE X 3" DEEP DECAYED AREA AT SOUTH END OF ABUTMENT 1 BULKHEAD



UNDERMINED AREA BELOW THE SOUTHEAST WINGWALL



4'-0" LONG X 4" HIGH X 3" DEEP DECAYED AREA AT THE SOUTH END OF ABUTMENT 2 BULKHEAD



MISSING SOLDIER PILE AT THE NORTHEAST WINGWALL



DECAYED AREA AROUND THE PERIMETER OF A CUT OUT AREA IN ABUTMENT 1 CAP



SURFACE DECAY IN PILE 9 WITH A TEMPORARY REPAIR AT ABUTMENT 2



THE SOUTH SOLDIER PILE AT ABUTMENT 2 HAS ROTATED UP TO 5" AT THE TOP



2'-6" LONG X 12" DEEP X 5" HIGH AREA OF UNDERMINING AT THE SOUTH END OF THE ABUTMENT 2 BACKWALL

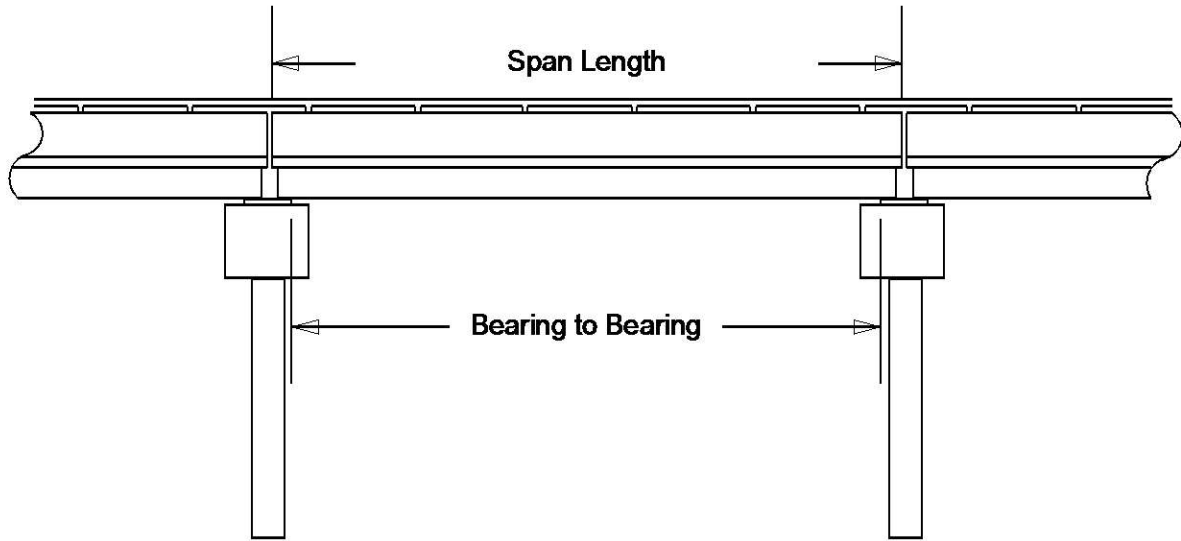


2'-6" LONG X 8" HIGH X 2'-4" DEEP AREA OF UNDERMINING ALONG THE SOUTHEAST MASONRY WINGWALL

Structure Data Worksheet

Spans

County: WILKES Structure No: 960153 Date: 12/12/2012 Inspected By: RAP



Span No	Span Length	Bearing to Bearing	Comments
1	25' 6"	24' 3"	NBIS LENGTH = 23'-3"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 960153 County: WILKES Date: 12/12/2012 By: RAP

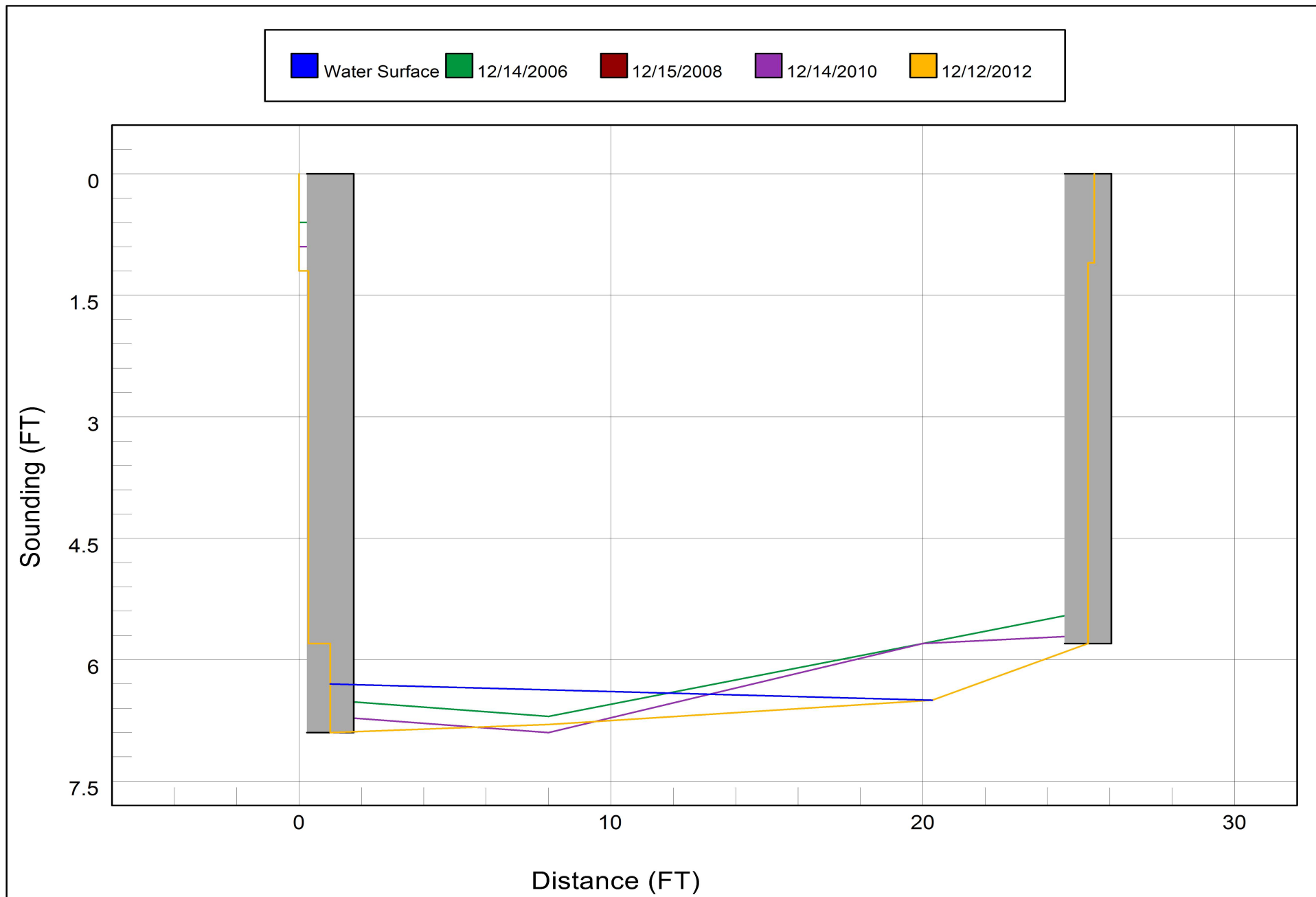
Record sounding from top of rail. Other location if needed: TOP OF CURB

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				
0.001	1.2	TOP OF FILL FACE			
0.3	1.2	TOP OF FILL FACE			
0.301	5.8	TOP OF CONCRETE			
1	5.8	TOP OF CONCRETE			
1.001	6.3	Water Surface (WS)			
1.002	6.9	FACE OF ABUTMENT 1, WATERS EDGE	1.002	5.6	FACE OF ABUTMENT 1
8	6.8	STREAM BED			
20.3	6.5	Water Surface/Water Edge (WSWE)			
25.299	5.8	FACE OF ABUTMENT 2	25.299	6.4	FACE OF ABUTMENT 2
25.3	2.9	Top of Cap			
25.301	1.1	TOP OF FILL FACE			
25.499	1.1	TOP OF FILL FACE			
25.5	0				

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

SR 1728



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

VERIFIED 12/14/10 G.ROBBINS
VERIFIED 12/03/12 KCI

Title

APRW

Description

APPROACH ROADWAY

Bridge No: 960153

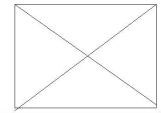
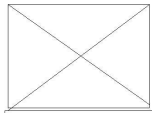
Drawn By: G.R.R.

Date: 12/15/2008

File Name: S0130001461

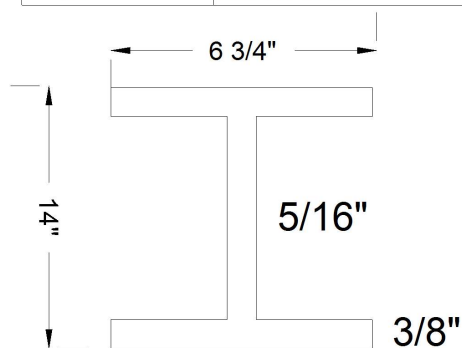
Bridge Inspection Field Sketch

Deck Width/Out to Out	24.0ft	Wearing Surface	0.250ft
Between Rails		Median Width	
Curb Height	0.709ft	Median Height	
Top Rail to Deck/Wearing Surface		Left Guardrail Width	
Clear Roadway	22.667ft	Right Guardrail Width	
Left Bridge Rail		Right Bridge Rail	



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.0
Top of Rail to Bottom of Beam	2.750	Right Overhang	1.083

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	1.990ft	
2	Steel I Beam	1.990ft	
3	Steel I Beam	1.990ft	
4	Steel I Beam	1.990ft	
5	Steel I Beam	1.990ft	
6	Steel I Beam	1.990ft	
7	Steel I Beam	1.990ft	
8	Steel I Beam	1.990ft	
9	Steel I Beam	1.990ft	
10	Steel I Beam	1.990ft	
11	Steel I Beam	1.990ft	
12	Steel I Beam		



VERIFIED 12/14/10 DWELBORN
VERIFIED 12/03/12 KCI

Title

TS

Description

SUPER

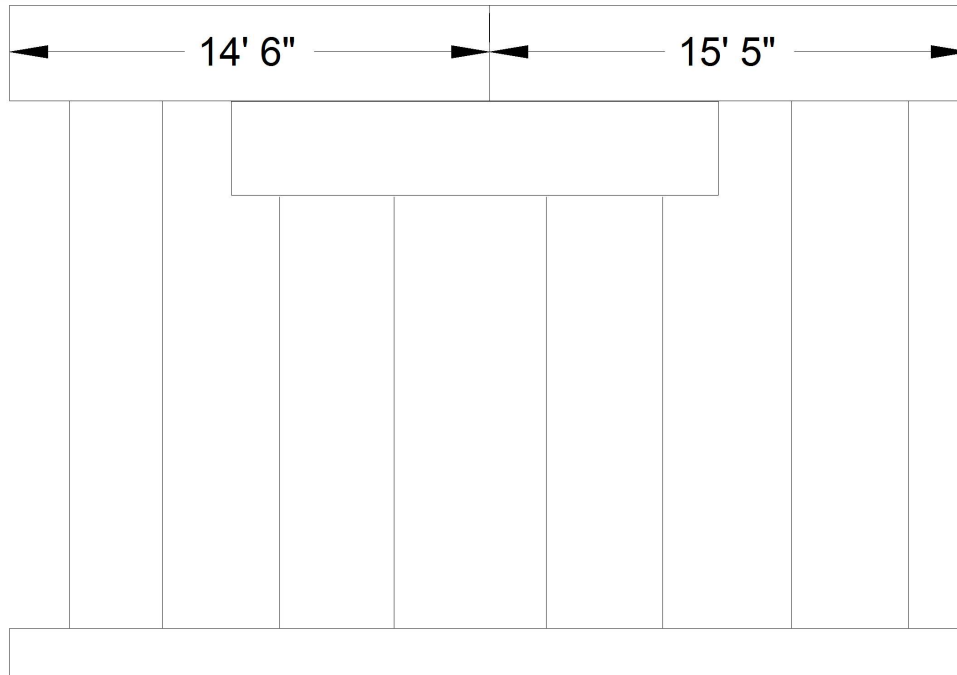
Bridge No: 960153

Drawn By: DCW

Date: 12/15/2008

File Name: S0126001270

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	29.917ft Long	0.833ft Wide	1ft High
Left Overhang	0.917ft	Lt Cap/Beam Overhang	1.833ft
Right Overhang	0.583ft	Rt Cap/Beam Overhang	1.417ft
Timber Sub Cap			
Size	20ft Long	0.833ft Wide	0.833ft High
Left pile to splice	8.083ft		
Left Overhang	1ft		
Right Overhang	1ft		
Sill - Sill			
Sill Size			

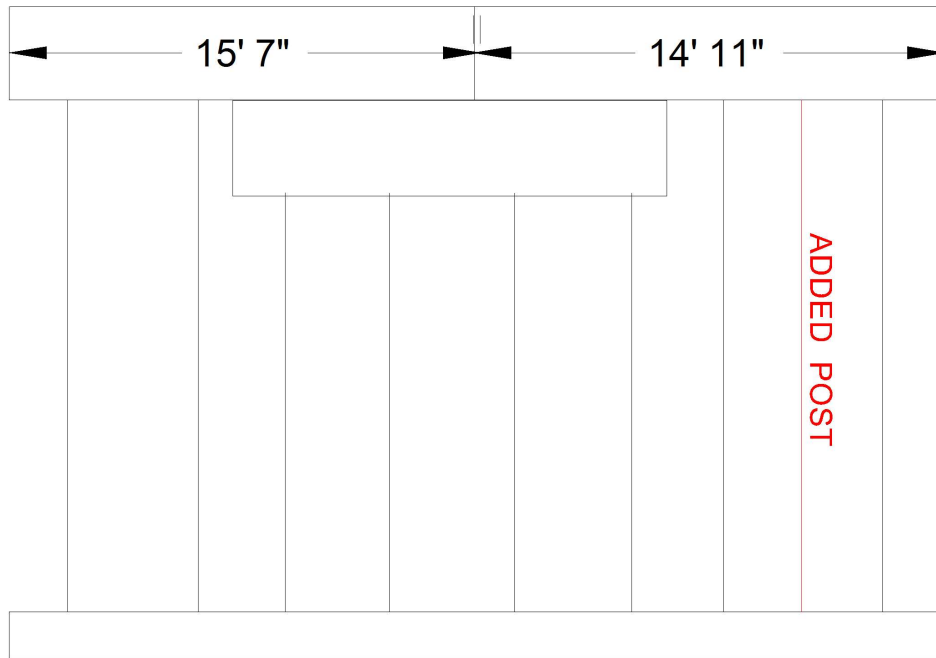
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	47"		12"	10"	Vertical
2	Wood or Timber	Post and Sills	18"		10"	10"	Vertical
3	Wood or Timber	Post and Sills	72"		10"	10"	Vertical
4	Wood or Timber	Post and Sills	72"		10"	10"	Vertical
5	Wood or Timber	Post and Sills	72"		10"	10"	Vertical
6	Wood or Timber	Post and Sills	18"		10"	10"	Vertical
7	Wood or Timber	Post and Sills	44"		10"	10"	Vertical
8	Wood or Timber	Post and Sills			10"	10"	Vertical

VERIFIED 12/14/10 G.ROBBINS VERIFIED 12/03/12 KCI

Title	Description
SUB 1	SUB AB 2

Bridge No: 960153	Drawn By: G.R.R.	Date: 12/15/2008	File Name: S0130001462
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Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	30.5ft Long	0.833ft Wide	1ft High
Left Overhang	1.083ft	Lt Cap/Beam Overhang	1.417ft
Right Overhang	1.083ft	Rt Cap/Beam Overhang	2.667ft
Timber Sub Cap			
Size	20ft Long	0.833ft Wide	0.833ft High
Left pile to splice	9.167ft		
Left Overhang	1ft		
Right Overhang	1ft		
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	47"		12"	10"	Vertical
2	Wood or Timber	Post and Sills	18"		10"	10"	Vertical
3	Wood or Timber	Post and Sills	72"		10"	10"	Vertical
4	Wood or Timber	Post and Sills	72"		10"	10"	Vertical
5	Wood or Timber	Post and Sills	72"		10"	10"	Vertical
6	Wood or Timber	Post and Sills	18"		10"	10"	Vertical
7	Wood or Timber	Post and Sills	21"		12"	10"	Vertical
8	Wood or Timber	Post and Sills	23"		10"	10"	Vertical
9	Wood or Timber	Post and Sills			12"	10"	Vertical

VERIFIED 12/14/10 G.ROBBINS VERIFIED 12/03/12 KCI

Title	Description		
SUB 2	SUB AB 2		
Bridge No: 960153	Drawn By: G.R.R.	Date: 12/15/2008	File Name: S0130001463



EAST APPROACH LOOKING WEST



NORTHEAST POSTING SIGN (SOUTHWEST SIMILAR)



LOOKING DOWNSTREAM (NORTH)



LOOKING UPSTREAM (SOUTH)



WEST APPROACH LOOKING EAST



SOUTH BRIDGE RAIL (NORTH SIMILAR)



BEAM 3 AT ABUTMENT 1 (OTHER SIMILAR)



ABUTMENT 1 ELEVATION



ABUTMENT 2 ELEVATION



SUPERSTRUCTURE



LOOKING DOWNSTREAM (NORTH) FROM BELOW



LOOKING UPSTREAM (SOUTH) FROM BELOW



SOUTH ELEVATION



NORTH ELEVATION



STONE FILL BEHIND THE SOUTH END OF THE ABUTMENT 2 BULKHEAD