



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

TEMP. REPAIR TO BEAM 1 SPAN 3.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY JACKSON BRIDGE NUMBER 490101 INSPECTION CYCLE 2 YRS
 ROUTE SR1740 ACROSS CANEY FORK CREEK M.P. 0

LOCATION .05 MI.N.JCT.SR1737

SUPERSTRUCTURE TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE YOUNT MASONRY ABUTMENTS&PIERS

SPANS 1 @ 25'-7.5,1 @ 40',1 @ 25'-7.5

LONGITUDE 83° 7' 33.47" LATITUDE 35° 18' 18.00"

INSPECTION DATE 10/28/2013 PRESENT CONDITION FAIR

PRESENT POSTING Y SV 10 TTST 14 PROPOSED POSTING _____

OTHER SIGNS PRESENT DELINEATORS [4] AND NARROW BRIDGE [2]



LOOKING NORTH

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: 490101 COUNTY: Jackson DATE: 11/1/2011

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	<u>T</u>	<u>TSE</u>
S I & A ITEM 59 - SUPERSTRUCTURE	<u>5</u>	<u>TSE 11/28/11</u>
S I & A ITEM 60 - SUBSTRUCTURE		
S I & A ITEM 64 OPERATING RATING		
HS <u>01</u> BY: <u>AK</u>		
S I & A ITEM 66 - INVENTORY RATING		
HS <u>01</u> BY: <u>AK</u>		

COMMENTS

*Plates welded to the web and bottom flange of beam
Span 3 at abut. 2.
Temporary Repairs*

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	490101		SUFFICIENCY RATING =			9.38
(8) STRUCTURE NUMBER(FEDERAL)		00000000990101		STATUS =	Functionally Obsolete		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31017400					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	99	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -			YES
(6) FEATURE INTERSECTED - CANEY FORK				(104)HIGHWAY SYSTEM	Is not on NHS		0
(7) FACILITY CARRIED SR1740				(26) FUNCTIONAL CLASS -	Local		09
(9) LOCATION .05 MI.N.JCT.SR1737				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route		0
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure		N
(16)LAT 35° 18' 18.00"	(17)LONG	83° 7' 33.47"		(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
				(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			5
TYPE -		CODE 000		(61) CHANNEL & CHANNEL PROTECTION			7
(45) NUMBER OF SPANS IN MAIN UNIT		3		(62) CULVERTS			N
(46) NUMBER OF APPROACH SPANS				LOAD RATING AND POSTING			
(107)DECK STRUCTURE TYPE - 8		CODE		(31) DESIGN LOAD	Unknown		0
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(63) OPERATING RATING METHOD -	Load Factor		1
(A) TYPE OF WEARING SURFACE -		CODE		(64) OPERATING RATING -	HS-1		1
(B) TYPE OF MEMBRANE -		CODE		(65) INVENTORY RATING METHOD -	Load Factor		1
(C) TYPE OF DECK PROTECTION -		CODE		(66) INVENTORY RATING -	HS-1		1
				(70) BRIDGE POSTING -	Posting Required		0
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED			P
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT		1962		(67) STRUCTURAL EVALUATION			3
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY			3
(42) TYPE OF SERVICE : ON - Highway				(69) UNDERCLEARANCES,VERTI & HORIZ			N
UNDER - Waterway		CODE 15		(71) WATERWAY ADEQUACY			7
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0		(72) APPROACH ROADWAY ALIGNMENT			8
(29) AVERAGE DAILY TRAFFIC		140		(36) TRAFFIC SAFETY FEATURES			0000
(30) YEAR OF ADT 2000	(109) TRUCK ADT PCT	6%		(113)SCOUR CRITICAL BRIDGES			U
(19) BYPASS OR DETOUR LENGTH		99 MI		PROPOSED IMPROVEMENTS			
GEOMETRIC DATA				(75) TYPE OF WORK -			CODE
(48) LENGTH OF MAXIMUM SPAN		39 FT		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH		91 FT		(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT				(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		19.083 FT		(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT		20 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT		(114)FUTURE ADT 280	(115) YEAR FUTURE ADT 2025		
(33) BRIDGE MEDIAN - No Median		CODE 0		INSPECTIONS			
(34) SKEW 0°	(35) STRUCTURE FLARED	0		(90) INSPECTION DATE			10/28/2013
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		(92) CRITICAL FEATURE INSPECTION :			(93) CFI DATE
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		19.083 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		(39) NAVIGATION VERTICAL CLEARANCE			0
(111)PIER PROTECTION -		CODE		(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT
(39) NAVIGATION VERTICAL CLEARANCE		0		(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 01/23/2014

COUNTY : JACKSON DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 490101 LENGTH : 91 FEET

ROUTE CARRIED : SR1740 FEATURE INTERSECTED : CANEY FORK

LOCATED : .05 MI.N.JCT.SR1737 BRIDGE NAME : CITY :

FUNC. CLASS : 09 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 140 2000 RAIL TYPE : LT 227 RT 227

BUILT : 1962 BY : BMU PROJ : FED.AID PROJ : DESIGN LOAD : Unknown

REHAB : BY : PROJ : 5.9651 ALIGNMENT : TAN SKEW : 90 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 11 FT WATER DEPTH : 3 FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE : YOUNT MASONRY ABUTMENTS&PIERS

SPANS : 1 @ 25'-7.5,1 @ 40',1 @ 25'-7.5

BEAMS OR GIRDERS : SPN1&3:8 LNS.12 I-BMS;SPN2:8 LNS.16 I-BMS.@ 2'-7 CTS.

FLOOR : 4X8 TIM/2 AWS ENCROACHMENT : DECK (OUT TO OUT) : 20 FT

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

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-1 OPE.RTG. : HS-1 CONTR.MEMBER : Int.bmsSpA POSTED : SV 10 TTST 14 DATE 11/28/2011

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 490101 COUNTY JACKSON ROUTE SR1740 OVER CANEY FORK CREEK
 STRUCTURE TYPE TIMBER FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1 @ 25'-7.5, 1 @ 40', 1 @ 25'-7.5

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

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u>	
State of North Carolina			
Dept. of Transportation			
Division of Highways			
Team Leader BARRY FOXX			
Assisted By DAVID SANDERS			
Item No.	Grade		
1	P	WEARING SURFACE; NUMEROUS CRACKS AT FLOOR BOARD SEAMS UP TO 1/2" WIDE ARE ALLOWING SEEPAGE TO PASS THROUGH ONTO SUPERSTRUCTURE. [SEE REP. PHOTO].	
2b	G	TIMBER FLOOR AND NAILERS; TIMBERS ARE IN GOOD CONDITION WITH THE ONLY PROBLEMS DETECTED BEING THAT THE NAILERS TO THE SOUTHMOST 4' OF SPAN 3 HAVE UP TO A 1" GAP BETWEEN THE BOTTOM OF NAILERS AND THE TOP OF BEAMS. [SEE REP. PHOTO].	
3b	F	TIMBER HANDRAILS; SEVERAL POST HAVE MOD. AREAS OF UP TO 1" ROUND X 1" DEEP DECAY. NO PROBLEMS DUE TO DECAY AS YET.	
4	F	TIMBER WHEELGUARDS; ALL TIMBERS ARE WEATHERED WITH SCATTERED AREAS OF LIGHT 1/4" WIDE SEASONAL CRACKING. NO PROBLEMS DUE TO CONDITION AS YET.	
10	F	LONG. BEAMS AND PAINT SYSTEM; SCATTERED AREAS OF RUST SCALE AND PAINT FLAKING THROUGHOUT ALL SPANS. [SEE REP. PHOTO]. BEAMS 3 THROUGH 6 IN SPAN 1 HAVE SECTION LOSS FROM 1/8" TO 3/16" DEEP TO BOTH THE TOP AND BOTTOM FLANGES MAINLY TO SOUTH MOST HALF OF SPAN FOUND SCATTERED THROUGHOUT THIS PORTION OF LENGTHS. [SEE PHOTOS]. BEAM 1 OF SPAN 3 HAS BEEN REPAIRED SINCE PREVIOUS INSP. [SEE PHOTO]. AREA OF SECTION LOSS HAS BEEN REMOVED AND REPLACED WITH A WELDED NEW SECTION. SAME SIZE AS ORIGINAL MEMBER. NORTHMOST 1'-6" +/- OF BEAM - BOTTOM FLANGE AND LOWER 3" OF WEB. THIS IS CONSIDERED A TEMP. REPAIR.	
52	F	PAINT SYSTEM; SEE ITEM 10 FOR ADDITIONAL INFORMATION.	
36a	F	CONCRETE CAPS; SCATTERED LIGHT 1/2" TO 1" DEEP SPALLS AND/OR POP-OUTS THROUGHOUT ALL HOWEVER THESE CONDITIONS ARE VERY LIGHT AND ARE CAUSING NO PROBLEMS AT THIS TIME. THERE ARE A FEW SCATTERED AREAS OF VERY LIGHT RANDOM TYPE CRACKING - MAINLY TO THE DOWNSTREAM AND NORTH FACE OF CAP AT INT. BENT 1. THIS CONDITION ALSO IS CAUSING NO PROBLEMS AND CRACKS ARE ONLY H/L TO 1/16" WIDE.	
36d	F	CONCRETE BACKWALLS AND WINGWALLS; A 1/16" TO 1/8" WIDE VERTICAL TYPE CRACK EXTENDS FULL HT. OF BACKWALL AT ABUTMENT 1. UPSTREAM WINGWALL AT ABUTMENT 2 HAS A 1/4" WIDE VERTICAL TYPE CRACK THAT EXTENDS FULL VISIBLE HT. OF WALL. VERY LITTLE CHANGE IN THESE CONDITIONS IN PAST SEVERAL INSPS.	
45c	G	SCOUR; A COUPLE OF SMALL AREAS OF SHALLOW POCKET TYPE SCOUR DETECTED BENEATH MAINLY THE UPSTREAM 2' OF INT. BENT 2 ON SOUTH FACE. VOIDS ARE LOCATED IN ROCK FORMATION THAT BENT WAS PLACED ON AND ANY REPAIRS WOULD ONLY BE FOR LOOKS.	

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 BARRY FOXX			
Assisted By DAVID SANDERS			
Item No.	Grade		
54	G	RESPONSE TO LIVE LOAD; LIGHT MOVEMENT IN FLOOR DURING TIMES OF LOADING.	
72	B	FIELD SCOUR EVALUATION; SEE ITEM 45c FOR ADDITIONAL INFORMATION.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 490101

County JACKSON

Date: 10/28/2013

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	30	NUMEROUS CRACKS IN ASPHALT WEARING SURFACE THROUGHOUT LENGTH OF BRIDGE. GAPS ARE FOUND BETWEEN NAILERS AND BEAMS IN SPAN 3. SCATTERED AREAS OF RUST AND PAINT FLAKING TO BEAMS.	
3324	Maint / Repair / Replace Timber Deck Components	SF	30		
5603	Partial Cleaning and Painting of Structural Steel	SF	150		

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



POCKET TYPE SCOUR AT INT. BENT 2 ON UPSTREAM SIDE.



REP. OF NAILER RAISED FROM BEAM. PHOTO WAS TAKEN OF BEAM 8 IN SPAN 3.



CRACKS IN ASPHALT WEARING SURFACE. PHOTO WAS TAKEN IN SPAN 3.

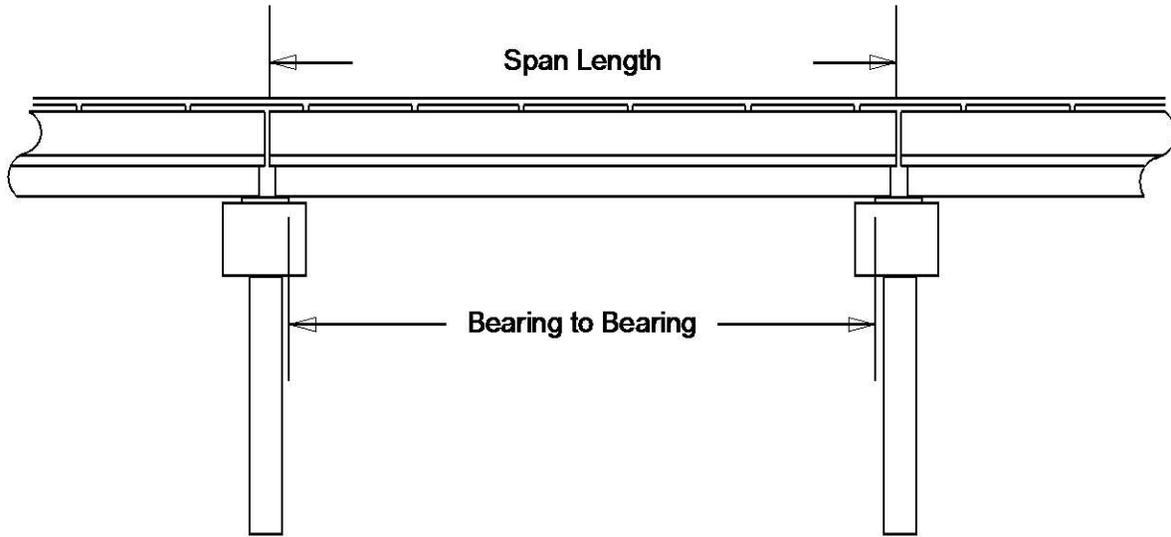


REP. OF RUST AND PAINT FLAKING. PHOTO WAS TAKEN OF BEAM 3 IN SPAN 1.

Structure Data Worksheet

Spans

County: JACKSON Structure No: 490101 Date: 10/28/2013 Inspected By: WBF



Span No	Span Length	Bearing to Bearing	Comments
1	25.6250	24.0	
2	40.0	39.25	
3	25.6250	24.0	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 490101 County: JACKSON Date: 10/28/2013 By: WBF

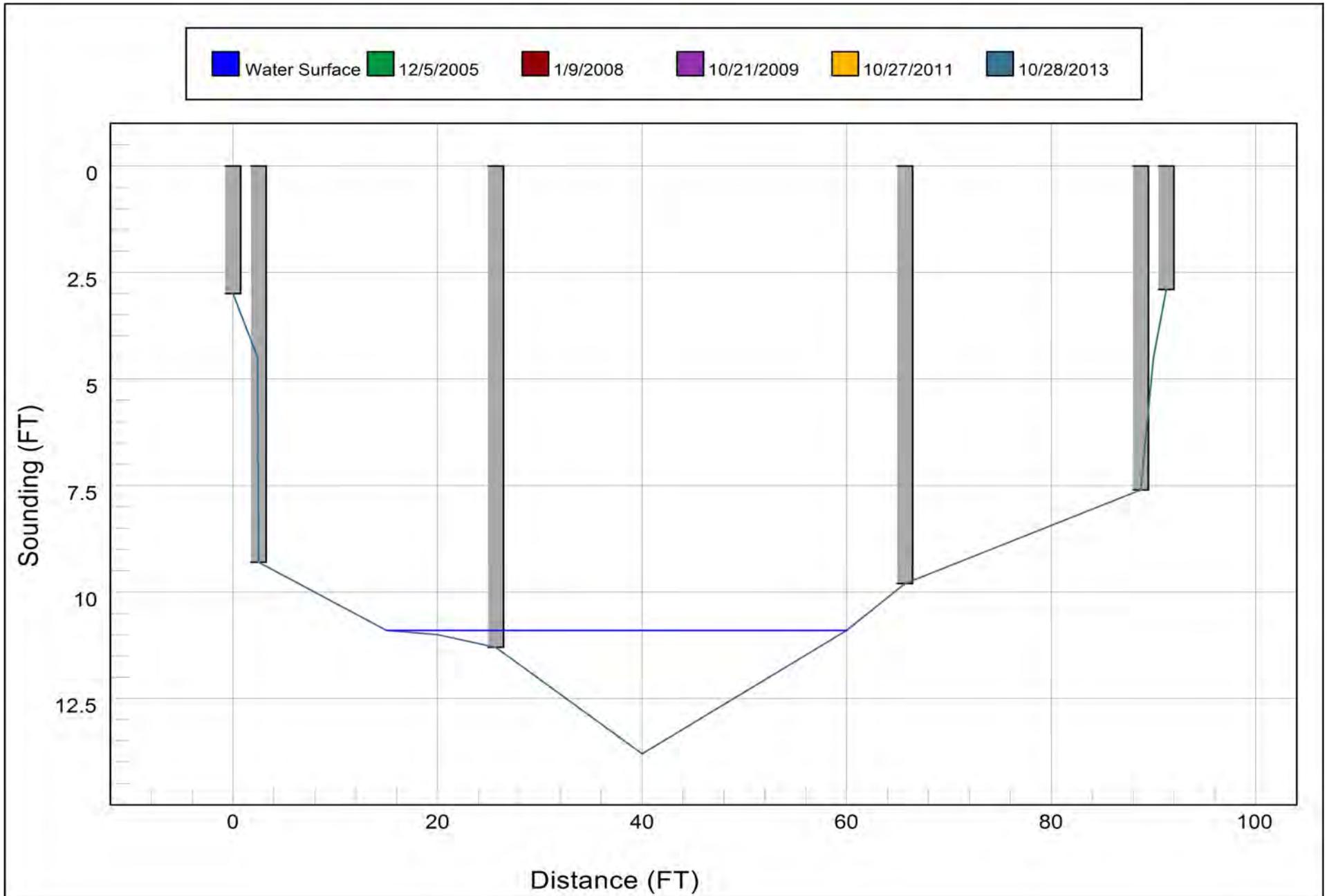
Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: 3 Location of Highwater Mark: TOP OF DECK

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	3	FILL FACE ABUTMENT 1	0	2.8	FILL FACE ABUTMENT 1
2.4	4.5	Top of Cap			
2.5	9.3	STREAM FACE ABUTMENT 1	2.5	9.9	STREAM FACE ABUTMENT 1
15	10.9	Water Surface/Water Edge (WSWE)			
20	11				
25.7	11.3	C/L INT. BENT 1	25.7	11.5	C/L INT. BENT 1
40	13.8				
60	10.9	Water Surface/Water Edge (WSWE)			
65.7	9.8	C/L INT. BENT 2	65.7	9.8	C/L INT. BENT 2
88.75	7.6	STREAM FACE ABUTMENT 2	88.75	7.9	STREAM FACE ABUTMENT 2
90	4.5	Top of Cap			
91.25	2.9	FILL FACE ABUTMENT 2	91.25	2.9	FILL FACE ABUTMENT 2

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 10/28/2013



TAKEN ON THIS END DUE TO INTERSECTION.

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

Title
APPROACH ROADWAY

Description
APPROACH ROADWAY

Bridge No: 490101

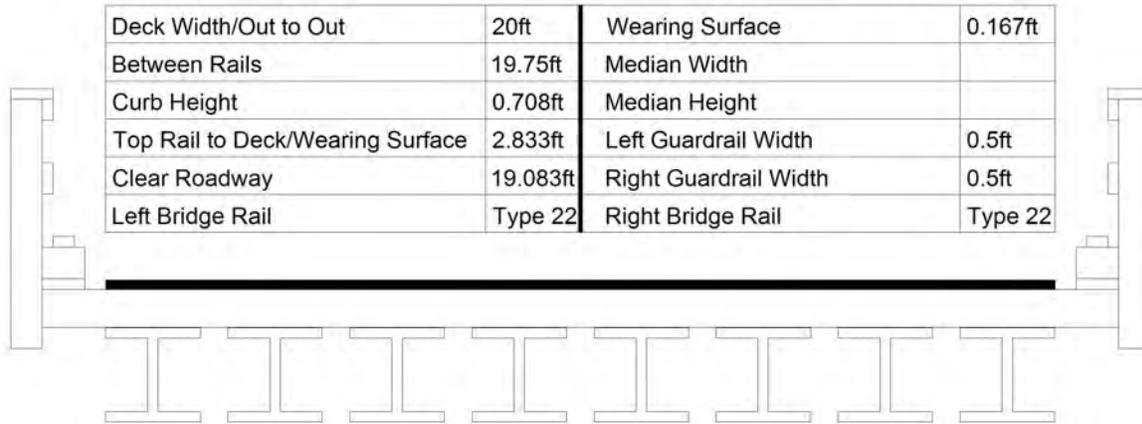
Drawn By: DAVID SANDERS

Date: 10/28/2013

File Name: S0118000705

Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 10/28/2013



Deck Width/Out to Out	20ft	Wearing Surface	0.167ft
Between Rails	19.75ft	Median Width	
Curb Height	0.708ft	Median Height	
Top Rail to Deck/Wearing Surface	2.833ft	Left Guardrail Width	0.5ft
Clear Roadway	19.083ft	Right Guardrail Width	0.5ft
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22

Measurements for Span #	3		
Deck Thickness	0.312	Left Overhang	0.958
Top of Rail to Bottom of Beam	4.5	Right Overhang	0.958

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.5833ft	
2	Steel I Beam	2.5833ft	
3	Steel I Beam	2.5833ft	
4	Steel I Beam	2.5833ft	
5	Steel I Beam	2.5833ft	
6	Steel I Beam	2.5833ft	
7	Steel I Beam	2.5833ft	
8	Steel I Beam		

ALL BEAMS IN SPANS 1 AND 3 ARE 1.0 HIGH WITH .5417 FLANGE WIDTH
FLANGES ARE .0313 THICK WITH .0260 WEBS.

ALL BEAMS IN SPAN 2 ARE 1.333 HIGH WITH .5833 FLANGE WIDTH
FLANGES ARE .0469 THICK WITH .0313 WEBS.

.2188 X .8333 CHANNELS FOR DIAPHS. AT THIRD POINTS OF SPANS.
.2292 FROM BOTTOM OF DIAPHS. TO BOTTOM OF BEAMS.

ABUTMENTS AND PIERS ARE YOUNT MASONRY

Title

SUPER

Description

SUPER

Bridge No: 490101

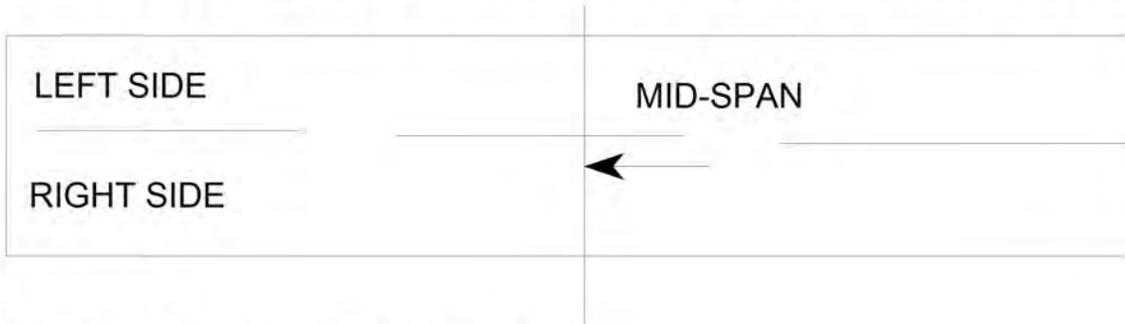
Drawn By: DAVID SANDERS

Date: 10/28/2013

File Name: S0118000706

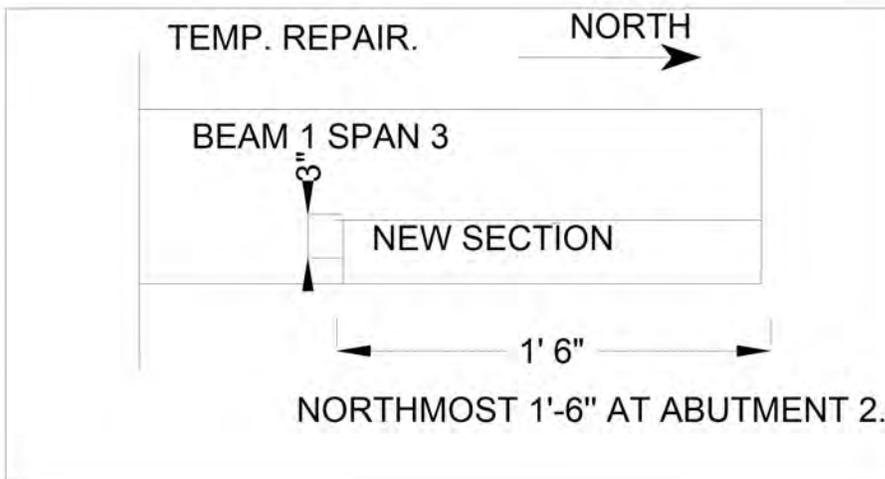
Bridge Inspection Field Sketch

.0573 DRILLED HOLES IN THE TOP FLANGE OF THE FOLLOWING BEAMS IN SPAN 2.



BEAMS 1 THROUGH 4,6 AND 7.
 LEFT SIDE - ONE DRILLED HOLE AT MID-SPAN.
 BEAMS 5 AND 8.
 RIGHT SIDE - ONE DRILLED HOLE AT MID-SPAN.

VERIFIED BY DAVID SANDERS 10/28/2013



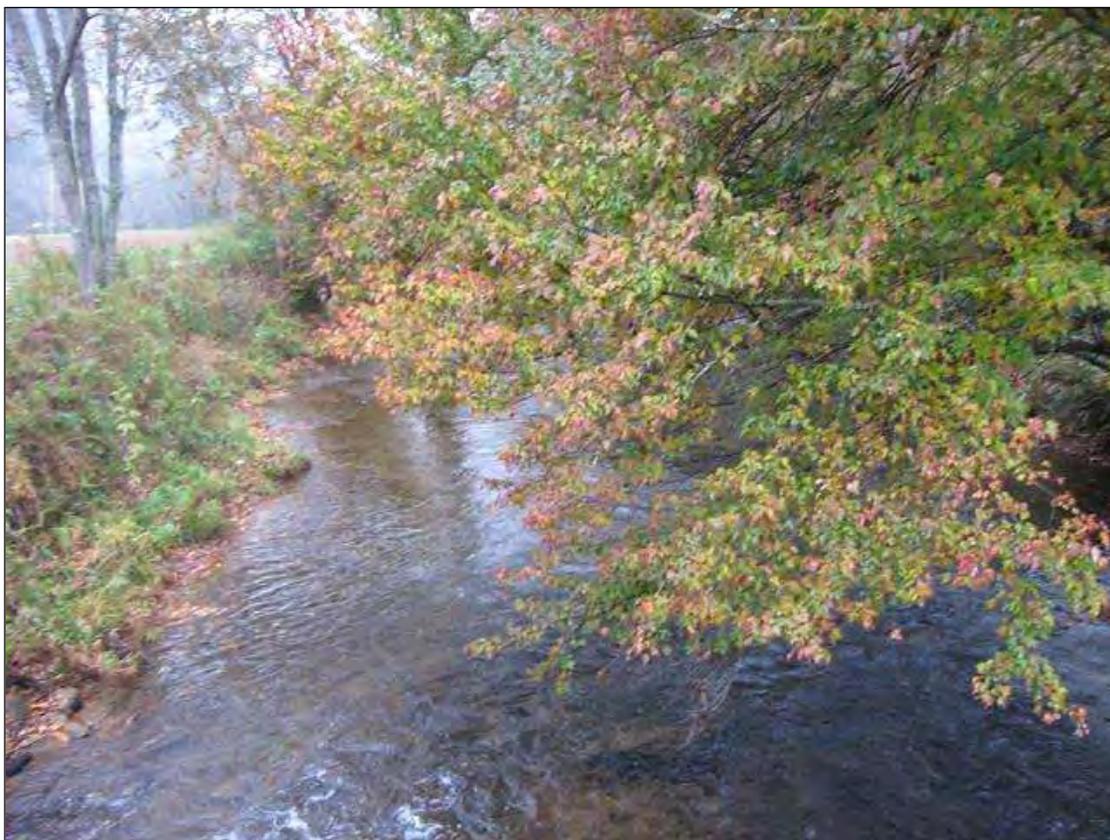
Title	Description		
BEAM HOLES	BEAM HOLES		
Bridge No: 490101	Drawn By: DAVID SANDERS	Date: 10/28/2013	File Name: S0118000707



LOOKING NORTH



LOOKING UPSTREAM FROM TOP OF BRIDGE.



LOOKING DOWNSTREAM FROM TOP OF BRIDGE.



LOOKING SOUTH - SV 10 TTST 14



DOWNSTREAM



UNDERSIDE SPAN 2.



INT. BENT 1



INT. BENT 2.



UNDERSIDE SPANS 1 AND 3. PHOTO WAS TAKEN OF SPAN 3.



ABUTMENTS 1 AND 2. PHOTO WAS TAKEN OF ABUTMENT 2.



UPSTREAM



PLATE WELDED TO BEAM 1 SPAN 3.