



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY NASH BRIDGE NUMBER 630103 INSPECTION CYCLE 2 YRS
ROUTE SR1105 ACROSS TRIB OF TURKEY CR M.P. 0

LOCATION 0.4 MI W SR1100

SUPERSTRUCTURE PRESTRESSED CONCRETE CHANNELS,STD BMD-13

SUBSTRUCTURE EBTS&BTS:PPC CAPS/TIMBER PILES@5'9 CTS

SPANS 1@30'6;1@30';1@30'6

LONGITUDE 78° 8' 38.28"

LATITUDE 35° 46' 31.93"

INSPECTION DATE 05/20/2014

PRESENT CONDITION FAIR

PRESENT POSTING SV 22 TTST 27

PROPOSED POSTING

OTHER SIGNS PRESENT 4 DELINEATORS



LOOKING EAST

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

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

Run Date: 06/24/2014

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	630103		SUFFICIENCY RATING =		44.09	
(8) STRUCTURE NUMBER(FEDERAL)		000000001270103		STATUS =	Functionally Obsolete		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31011050					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	127	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	HAW BRANCH			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	SR1105			(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION	0.4 MI W. OF SR1100			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	35° 46' 31.93"	(17)LONG	78° 8' 38.28"	(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:	Prestressed Concrete			(58) DECK		5	
TYPE -	Channel Beam	CODE	522	(59) SUPERSTRUCTURE		5	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		5	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		5	
(45) NUMBER OF SPANS IN MAIN UNIT			3	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	1	CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	H 10	1	
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Load Factor	1	
(B) TYPE OF MEMBRANE	-	CODE		(64) OPERATING RATING -	HS-17	30	
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-5	9	
				(70) BRIDGE POSTING -	Posting Required	1	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1971	(67) STRUCTURAL EVALUATION		3	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		5	
(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			490	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2011	(109) TRUCK ADT PCT	6%	(113)SCOUR CRITICAL BRIDGES		U	
(19) BYPASS OR DETOUR LENGTH			9 MI				
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN			30 FT	(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH			91 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT	.5 FT	RIGHT	.5 FT	(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			29.083 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT			30.583 FT	(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			20 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN -	No Median	CODE	0	(114)FUTURE ADT	980	(115) YEAR FUTURE ADT	2025
(34) SKEW	0°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	INSPECTIONS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			29.083 FT	(90) INSPECTION DATE		05/20/2014	
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		0 FT	A) FRACTURE CRIT DETAIL -	NO	A)	
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad		000 FT	B) UNDERWATER INSP -	NO	B)	
(56) MIN LAT UNDERCLEAR LT REF -			000 FT	C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			
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

Run Date: 06/24/2014

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
NASH	4	2	630103	91	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1105	HAW BRANCH

LOCATED :	BRIDGE NAME :	CITY :
0.4 MI W. OF SR1100		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	490 2011	LT 233 RT 233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1971	BMU	6.322037		H 10

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

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		13 FT		6		FT

SUPERSTRUCTURE :	PRESTRESSED CONCRETE CHANNELS,STD BMD-13
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SUBSTRUCTURE :	EBTS&BTS:PPC CAPS/TIMBER PILES@5'9 CTS
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SPANS :	1@30'6;1@30';1@30'6
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BEAMS OR GIRDERS :	12LINES PRESTRESSED CONCRETE CHANNEL SECTIONS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
PPC CHAN/4.5AWS		30.583 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
29.083 FT	30.083 FT	LT .5 FT RT .5 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :				
HS-5	HS-17	Ch - Patt B,Timber pile	SV 22	TTST 27	DATE	09/17/2008	

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 630103 COUNTY NASH ROUTE SR1105 OVER TRIB OF TURKEY CR
 STRUCTURE TYPE PRESTRESSED CONCRETE CHANNELS,STD BMD-13
 ROUTE ORIENTATION W - E SPANS 1@30'6;1@30';1@30'6

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			F	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	F	
					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	3	F	50. APPROACH ROADWAY CONDITION			F
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM			CODE
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER			55. ESTIMATED REMAINING LIFE			10
	c. ALUMINUM						
	d. STEEL		G				
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			NO
	b. MISC PREFAB			62. PRESENTLY POSTED			YES
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			4
	d. STANDARD JOINTS	2	F	64. TOTAL SNOOPER INSP. TIME (HRS)			0
	e. OPEN JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			0
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			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				d. CHANNEL & CHANNEL PROT.	ITEM 61	5	
13. END DIAP'S, CURTAIN WALLS, & CONN'S							
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			G	a. WATERWAY ADAQUACY		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		8	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			U
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING		F	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		G	BUCKET TRUCK			NO
	b. ABUT. & BENT COL'S BREASTWALLS			BOAT			NO
	c. ABUT. & INT. BENT PILES			OTHER			YES
	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)			F				
40. FENDER SYSTEMS				80. INSPECTED BY:			
41. DRIFT			F	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 Vernon Hicks			
Assisted By PDC			
Item No.	Grade		
1	F	WEARING SURFACE TRANSVERSE, MAP, AND LONGITUDINAL CRACKS IN ASPHALT WEARING SURFACE IN ALL SPANS. TRANSVERSE CRACKS IN WEARING SURFACE OVER BOTH END BENTS AND INTERIOR BENTS. SEE PHOTOS.	
2a	F	CONCRETE DECK SEE ITEM 10.	
6d	F	STANDARD JOINTS TRANSVERSE CRACKS IN ASPHALT OVER ALL JOINTS. JOINTS ARE LEAKY.	
10	F	LONGITUDINAL PPC CHANNELS SMALL SURFACE SPALLS IN THE ENDS OF CHANNELS OVER INTERIOR BENT CAPS. SPAN 1 RIGHT LEG OF CHANNEL 1 HAS 1/16 IN X 8 FT. LONG CRACK WITH DELAMINATION IN BOTTOM. RIGHT LEG OF CHANNEL 11 HAS 1/16 IN X 4 FT. LONG CRACK 2 FT. OUT FROM INTERIOR BENT 1. RIGHT LEG OF CHANNEL 10 HAS SMALL SURFACE SPALL. SPAN 2 LEFT LEG OF CHANNEL 3 HAS 3/16 IN X 3 FT. LONG CRACK 2 1/2 FT. OUT FROM INTERIOR BENT 2. RIGHT LEG OF CHANNEL 9 HAS 1/8 IN X 3 FT. LONG CRACK 10 FT. OUT FROM INTERIOR BENT 2.	
10A	NO	NO CURVED GIRDERS	
35b	F	TIMBER PILES PILE 4 INTERIOR BENT 1 HAS 1 1/2 IN. DEEP x 30 IN. HIGH DECAY IN 25% CIRCUMFERENCE AT RIGHT SIDE. 12 IN. DIA. PILE. VERTICAL CRACKS AND DELAMINATION IN PILES.	
35c	F	TIMBER BULKHEADS RANDOM AREAS OF DECAY W/ EXPOSED FILL IN BOARDS. PILES ARE DECAYED IN THE TOPS	
36a	G	CONCRETE CAPS HAIRLINE TO 1/16 IN. WIDE MAP CRACKS IN RT END OF INTERIOR BENT 1 CAP. 16 FT. HAIRLINE LONGITUDINAL CRACK IN THE FACE OF END BENT 2 CAP EXTENDING FROM LT END OVER TO CHANNEL 6. HAIRLINE LONGITUDINAL AND MAP CRACKS IN TOPS AND FACES. VEGETATION GROWING IN TOPS OF CAPS.	

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 Vernon Hicks			
Assisted By PDC			
Item No.	Grade		
39	F	SLOPE PROTECTION UNPROTECTED SLOPES.	
41	F	DRIFT 3 FT WIDE X 8 FT LONG DRIFT AT SPAN 2 AT BASE OF INTERIOR BENT 1.	
45a	F	CHANNEL WATERWAY SWAMP AREA. OLD BRIDGE PILES UNDER SPAN 1. STREAMBED MIGRATION.	
50	F	APPROACH ROADWAY LONGITUDINAL AND MAP CRACKS IN BOTH APPROACHES. SEE PHOTOS.	
62	YES	SV 22 TTST 27	
73f	YES	BOOTS AND TYPICAL INSPECTION EQUIPMENT.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 630103

County NASH

Date: 05/20/2014

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	2	WEARING SURFACE TRANSVERSE, MAP, AND LONGITUDINAL CRACKS IN ASPHALT WEARING SURFACE IN ALL SPANS. TRANSVERSE CRACKS IN WEARING SURFACE OVER BOTH END BENTS AND INTERIOR BENTS. APPROACH ROADWAY LONGITUDINAL AND MAP CRACKS IN BOTH APPROACHES.	
3306	Maintain Concrete Superstructure Components	SF	64	LONGITUDINAL PPC CHANNELS SMALL SURFACE SPALLS IN THE ENDS OF CHANNELS OVER INTERIOR BENT CAPS. SPAN 1 RIGHT LEG OF CHANNEL 1 HAS 1/16 IN X 8 FT. LONG CRACK WITH DELAMINATION IN BOTTOM. RIGHT LEG OF CHANNEL 11 HAS 1/16 IN X 4 FT. LONG CRACK 2 FT. OUT FROM INTERIOR BENT 1. RIGHT LEG OF CHANNEL 10 HAS SMALL SURFACE SPALL. SPAN 2 LEFT LEG OF CHANNEL 3 HAS 3/16 IN X 3 FT. LONG CRACK 2 1/2 FT. OUT FROM INTERIOR BENT 2. RIGHT LEG OF CHANNEL 9 HAS 1/8 IN X 3 FT. LONG CRACK 10 FT. OUT FROM INTERIOR BENT 2.	
3344	Repair / Replace Timber Substructure Components	LF	100	TIMBER PILES PILE 4 INTERIOR BENT 1 HAS 1 1/2 IN. DEEP X 30 IN. HIGH DECAY IN 25% CIRCUMFERENCE AT RIGHT SIDE. 12 IN. DIAMETER. PILE. VERTICAL CRACKS AND DELAMINATION IN PILES.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	64	TIMBER BULKHEADS -- RANDOM AREAS OF DECAY WIDE/ EXPOSED FILL IN BOARDS. PILES ARE DECAYED IN THE TOPS.	
3366	Drift and Debris Removal	HR	2	DRIFT 3 FT WIDE X 8 FT LONG DRIFT AT SPAN 2 AT BASE OF INTERIOR BENT 1.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



LONGITUDINAL AND MAP CRACKING IN ASPHALT WEARING SURFACE APPROACH ROADWAY @ WEST END



TRANSVERSE CRACK IN ASPHALT WEARING SURFACE OVER END BENT 1



SURFACE RUST ON BACKSIDE OF GUARDRAIL POST RIGHT SIDE AND LEFT SIDE



LONGITUDINAL CRACK IN CHANNEL 1 RIGHT LEG @ SPAN 1



DECAYED BULKHEAD BOARDS @ NORTH WEST CORNER WINGWALL



DECAYED BULKHEAD BOARDS @ END BENT 1



LONGITUDINAL CRACK IN ASPHALT WEARING SURFACE TOP OF DECK @ WHEELINES SPAN 1 (ALL OTHER SPANS SIMILAR)



TRANSVERSE CRACK IN ASPHALT WEARING SURFACE OVER INTERIOR BENT 1



TRANSVERSE CRACK IN ASPHALT WEARING SURFACE OVER INTERIOR BENT 2



TRANSVERSE AND LONGITUDINAL CRACKS IN ASPHALT WEARING SURFACE TOP OF DECK SPAN 3



TRANSVERSE CRACK IN ASPHALT WEARING SURFACE OVER END BENT 2



MAP CRACKING IN ASPHALT WEARING SURFACE APPROACH ROADWAY @ EAST END



VEGETATION ON TOP OF CAP @ INTERIOR BENT 2 LEFT SIDE



DRIFT @ BASE OF INTERIOR BENT 1 SPAN 2 SIDE



LONGITUDINAL CRACK IN CHANNEL 9 RIGHT LEG @ SPAN 2



LONGITUDINAL CRACK IN CHANNEL 3 LEFT LEG @ SPAN 2



DECAYED BULKHEAD PILE @ SOUTH EAST CORNER WINGWALL



SOUTH SIDE LOOKING UPSTREAM CHANNEL PHOTO 1 OF 2

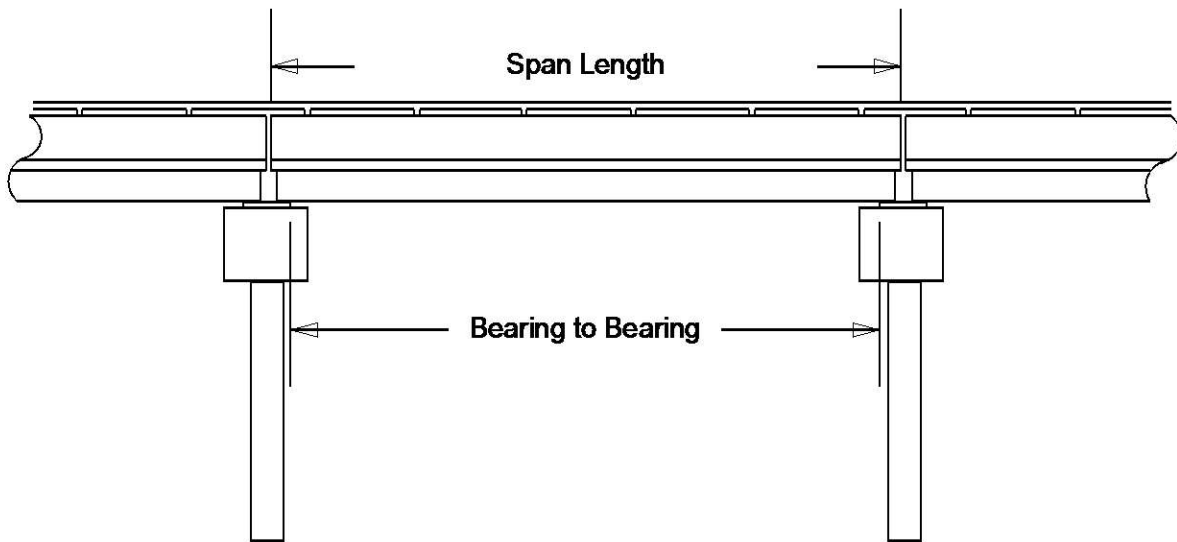


SOUTH SIDE LOOKING UPSTREAM CHANNEL PHOTO 2 OF 2

Structure Data Worksheet

Spans

County: NASH Structure No: 630103 Date: 05/20/2014 Inspected By: VMH



Span No	Span Length	Bearing to Bearing	Comments
1	30.500 FT.	30.25 FT.	NBIS LENGTH - 88 FT.
2	30.000 FT.	30.1 FT.	
3	30.500 FT.	30.28 FT.	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 630103 County: NASH Date: 05/20/2014 By: VMH

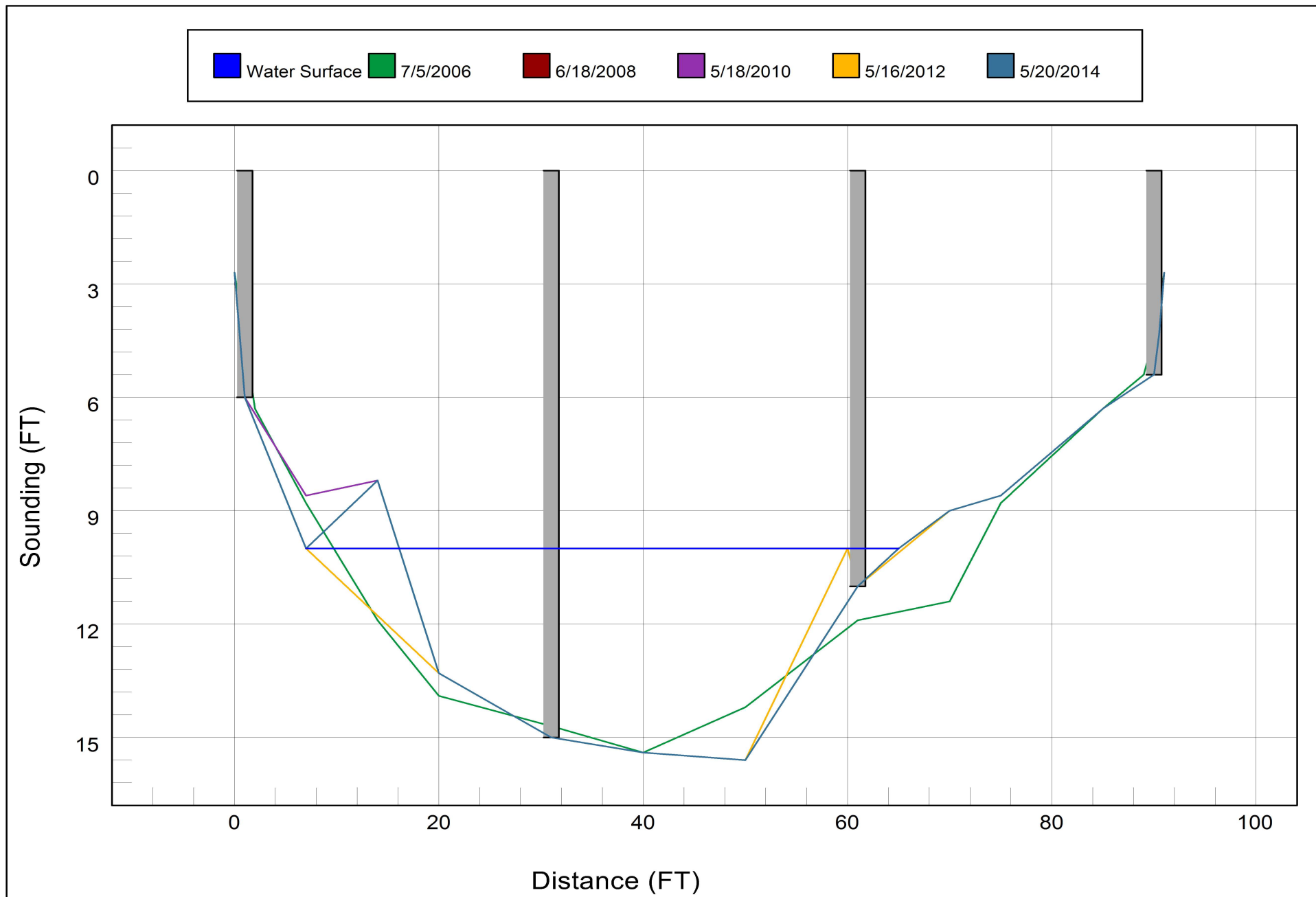
Record sounding from top of rail. Other location if needed: TOP OF RAIL

Distance from Highwater Mark to top of rail: 9 Location of Highwater Mark: SUBSTRUCTURE

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.7	TOP OF RAIL			
0.5	4.333	Top of Cap			
1	6	END BENT 1	1	5.9	END BENT 1
7	10	Water Surface/Water Edge (WSWE)			
14	8.2				
20	13.3				
31	15	BENT 1	31	15.3	BENT 1
40	15.4				
50	15.6				
61	11	BENT 2	61	14	BENT 2
65	10	Water Surface/Water Edge (WSWE)			
70	9				
75	8.6				
85	6.3				
90	5.4	END BENT 2	90	5.6	END BENT 2
90.5	4.333	Top of Cap			
91	2.7	TOP OF RAIL			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY

Description

LOOKING NORTH

VMH - 5/20/14

Bridge No: 630103

Drawn By: VMH

Date: 6/18/2008

File Name: S0022001040

Bridge Inspection Field Sketch



Bent #	1	Bents 2 similar	
Cap - Pre-Cast			
Cap Size	31.417ft Long	1.333ft Wide	1ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	.417ft
Right Overhang	1.333ft	Rt Cap/Beam Overhang	.417ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.750	FT.	1.0	FT.	Vertical
2	Wood or Timber	Pile Bent	5.750	FT.	1.0	FT.	Vertical
3	Wood or Timber	Pile Bent	5.750	FT.	1.0	FT.	Vertical
4	Wood or Timber	Pile Bent	5.750	FT.	1.0	FT.	Vertical
5	Wood or Timber	Pile Bent	5.750	FT.	1.0	FT.	Vertical
6	Wood or Timber	Pile Bent			1.0	FT.	Vertical

Title		Description	
SUBSTRUCTURE		PILE SPACINGS	VMH - 5/20/14
Bridge No: 630103	Drawn By: VMH	Date: 6/18/2008	File Name: S0022001042

Bridge Inspection Field Sketch

Deck Width/Out to Out	30.583ft	Wearing Surface	0.375ft
Between Rails	30.083ft	Median Width	
Curb Height	0.542ft	Median Height	
Top Rail to Deck/Wearing Surface	2.583ft	Left Guardrail Width	
Clear Roadway	29.083ft	Right Guardrail Width	
Left Bridge Rail	Type 23	Right Bridge Rail	Type 23

Measurements for Span #	1		
Deck Thickness	0.417	Left Overhang	
Top of Rail to Bottom of Beam	4.333	Right Overhang	

No. of Channels	12
Leg Width	.208 FT.
Leg Height	1.0 FT.
Leg to Leg (Centers)	2.208 FT.
Channel Width	2.542 FT.
Channel Height	1.417 FT.
Comments	

VMH - 5/20/14

Title

TYPICAL SECTION

Description

12 LINES STD. BMD-13 PC CHANNE
L

Bridge No: 630103

Drawn By: VMH

Date: 6/18/2008

File Name: S0022001041



LOOKING EAST



POSTING SIGN



END BENT 1 / SLOPE



SUPERSTRUCTURE SPAN 1



INTERIOR BENT 1



ASPHALT WEARING SURFACE TOP OF DECK SPAN 1



ASPHALT WEARING SURFACE TOP OF DECK SPAN 2



LOOKING SOUTH DOWNSTREAM



LOOKING NORTH UPSTREAM



LOOKING WEST



END BENT 2 / SLOPE



SUPERSTRUCTURE SPAN 3



SUPERSTRUCTURE OVER INTERIOR BENT 2 LEFT SIDE



INTERIOR BENT 2



NORTH SIDE LOOKING DOWNSTREAM CHANNEL PHOTO 1 OF 3



NORTH SIDE LOOKING DOWNSTREAM CHANNEL PHOTO 2 OF 3



NORTH SIDE LOOKING DOWNSTREAM CHANNEL PHOTO 3 OF 3



SOUTH SIDE LOOKING UPSTREAM PROFILE



NORTH SIDE LOOKING DOWNSTREAM PROFILE