



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY NASH BRIDGE NUMBER 630187 INSPECTION CYCLE 0 YRS
 ROUTE SR1001 ACROSS LITTLE SAPONY CREEK M.P. 0

LOCATION 0.5 MI S JCT SR1145

SUPERSTRUCTURE RC FLOOR/I-BEAMS

SUBSTRUCTURE RC FULL HEIGHT ABUTMENTS

1@44'-6"

SPANS 1@44'6"

LONGITUDE 77° 58' 57.44" 77° 58' 57.12" LATITUDE 35° 56' 9.12" 35° 56' 9.30"

INSPECTION DATE 08/06/2014 PRESENT CONDITION FAIR

PRESENT POSTING Y SV 18 TTST 22 PROPOSED POSTING _____

OTHER SIGNS PRESENT 4 DELINEATORS



SOUTH APPROACH 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	_____

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

Run Date: 11/18/2014

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **630187**
 (8) STRUCTURE NUMBER(FEDERAL) 000000001270187
 (5) INVENTORY ROUTE (ON/UNDER) - ON 31010010
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 2
 (3) COUNTY CODE 127 (4) PLACE CODE 0
 (6) FEATURE INTERSECTED - LITTLE SAPONY CREEK
 (7) FACILITY CARRIED SR1001
 (9) LOCATION 0.5 MI S JCT SR1145
 (11)MILEPOINT 0
 (16)LAT 35° 56' 9.12" (17)LONG 77° 58' 57.44"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 19.66
 STATUS = Functionally Obsolete

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is not on NHS 0
 (26) FUNCTIONAL CLASS - Minor Collector 08
 (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 -
 (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

(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 - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION CODE

(58) DECK 5
 (59) SUPERSTRUCTURE 5
 (60) SUBSTRUCTURE 6
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD Unknown 0
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-7 13
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-4 8
 (70) BRIDGE POSTING - Posting Required 0
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1960
 (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 1600
 (30) YEAR OF ADT 2011 (109) TRUCK ADT PCT 6%
 (19) BYPASS OR DETOUR LENGTH 5 MI

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 3
 (68) DECK GEOMETRY 2
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0000
 (113)SCOUR CRITICAL BRIDGES 4

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 41 FT
 (49) STRUCTURE LENGTH 45 FT
 (50)CURB OR SIDEWALK: LEFT .542 FT RIGHT .542 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 21.583 FT
 (52) DECK WIDTH OUT TO OUT 23.333 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 24 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 21.583 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

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 3200 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 08/06/2014
 (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

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: 11/18/2014

COUNTY : NASH DIVISION : 4 DISTRICT : 2 STRUCTURE NUMBER : 630187 LENGTH : 45 FEET

ROUTE CARRIED : SR1001 FEATURE INTERSECTED : LITTLE SAPONY CREEK

LOCATED : 0.5 MI S JCT SR1145 BRIDGE NAME : CITY :

FUNC. CLASS : 08 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 1600 2011 RAIL TYPE : LT 233 RT 233

BUILT : 1960 BY : BMU PROJ : FED.AID PROJ : DESIGN LOAD : Unknown

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

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 14 FT WATER DEPTH : 6 FT

SUPERSTRUCTURE : RC FLOOR/I-BEAMS

SUBSTRUCTURE : RC FULL HEIGHT ABUTMENTS

SPANS : 1@44'6

BEAMS OR GIRDERS : 11 LINES 18IN.I-BEAMS @ VAR.CTS.

FLOOR : 5RC/3.5AWS ENCROACHMENT : DECK (OUT TO OUT) : 23.333 FT

CLEAR ROADWAY : 21.583 FT BETWEEN RAILS : 22.667 FT SIDEWALK OR CURB : LT .542 FT RT .542 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-4 OPE.RTG. : HS-7 CONTR.MEMBER : I-Bm 11 Ext (sec.loss) POSTED : SV 10 TTST 10 DATE 11/18/2014

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection - Contract
 BRIDGE NO. 630187 COUNTY NASH ROUTE SR1001 OVER LITTLE SAPONY CREEK
 STRUCTURE TYPE RC FLOOR/I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1@44'6"

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	G
				b. ALIGNMENT	G
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58		1		c. SCOUR	F
				d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
3. RAILING			50. APPROACH ROADWAY CONDITION		G
a. CONCRETE			51. APPROACH SLABS		
b. TIMBER			52. PAINT SYSTEM		CODE A F
c. ALUMINUM			53. UTILITIES		
d. STEEL		G	54. RESPONSE TO LIVE LOAD		G
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS		G	55. ESTIMATED REMAINING LIFE		12
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		YES
a. STEEL PL OR FINGER			62. PRESENTLY POSTED		YES
b. MISC PREFAB			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)		8
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)		F	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	6
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			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)			b. APPR. RDWY. ALIGNMENT		8
16. DRAINAGE SYSTEM (ON STRUCTURE)		F			
17. MOVABLE SPAN MACHINERY			72. FIELD SCOUR EVALUATION		O
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		YES
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		G			
e. ABUT. & BENT FOOTINGS & SILLS		F			
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)		G			
40. FENDER SYSTEMS			80. INSPECTED BY:	<i>R. W. [Signature]</i>	
41. DRIFT		G	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 H.W. HICKS, JR.			
Assisted By T.L. GOINS			
Item No.	Grade		
1	F	CRACKING IN ASPHALT WEARING SURFACE ALONG CENTERLINE.	
2a	F	UNDERSIDE DECK SPALLING UP TO 3/4" DEEP WITH REBAR EXPOSED MIDSPAN BAY 1. SIMILAR NEAR ABUTMENT 1 END BAY1 AND AT BAY 10. UNDERSIDE DECK BAY 4 MAP CRACKING WITH DISCOLORATION AT MIDSPAN. SIMILAR AT BAYS 6, 7 AND 8. REPAIR FORM IN PLACE AT BAY 8 ABUTMENT 1 END. UNDERSIDE OF DECK HAS FINE MAP CRACKING WITH DELAMINATION SCATTERED AND HONEYCOMB IN SPOTS.	
4	G	BOTH CURBS HAVE SCATTERED AREAS OF MAP CRACKING AND SURFACE SCALING.	
7	F	DECK DEBRIS ALONG RIGHT SIDE. SIMILAR AT LEFT SIDE.	
10	F	BEAM 10 TOP RIGHT FLANGE HAS LOSS OF SECTION 1/4" WITH 3/16" SECTION REMAINING 4' LONG AT MIDSPAN. BEAM 11 TOP FLANGE HAS LOSS OF SECTION 1/4" WITH 1/8" SECTION REMAINING FULL LENGTH OF SPAN. BEAM 10 ABUTMENT 2 END HAS LOSS OF SECTION 3/8" WITH 3/8" SECTION REMAINING IN BOTTOM FLANGE, FULL WIDTH ALONG CAP ENTRY AREA BEAM 11 ABUTMENT 1 END HAS LOSS OF SECTION 1/8" WITH 1/4" REMAINING FULL WIDTH OF BOTTOM FLANGE ALONG BEAM / CAP ENTRY AREA. HOLES IN WEBS. SEE SKETCHES. DEAD LOAD DEFLECTION IN BEAMS WITH PITTING IN BOTTOM FLANGES NEAR BEARINGS.	
10A	NO	NO CURVED GIRDERS.	
16	F	WATER RUNOFF RESTRICTED BY DECK DEBRIS . SEE ITEM 7.	
52	F	PAINT SCALING AT BEAMS 2 AND 3. SIMILAR AT EACH BEAM.	
36a	F	ABUTMENT 2 CAP SPALLING 6' WIDE X 5" HIGH X 2" DEEP WITH REBAR EXPOSED UNDER BEAMS 10 AND 11. BOTH HAVE SCATTERED AREAS OF MAP CRACKS AND SURFACE SCALING ON FACE. ABUTMENT 1 HAS A SPALL 5 IN. WIDE X 7 IN. HIGH X 1 1/2 IN. DEEP UNDER BEAM 2.	

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 H.W. HICKS, JR.			
Assisted By T.L. GOINS			
Item No.	Grade		
36b	F	ABUTMENT 1 BREASTWALL HAS COARSE AGGREGATE EXPOSED ALONG BOTTOM 3' TO WATERLINE. SIMILAR AT ABUTMENT 2 BREASTWALL. ABUTMENT 1 BREASTWALL HAS VERTICAL HAIRLINE CRACKING UNDER BEAM 5. ABUTMENT 2 BREASTWALL VERTICAL CRACKING UP TO 1/8" OPEN UNDER BEAM 3. ABUTMENT 2 BREASTWALL HAS VERTICAL CRACKING HAIRLINE TO 1/16" OPEN UNDER BEAM 9. ABUTMENT 2 HAS DIAGONAL CRACKING UP TO 1/16" OPEN AT WINGWALL JOINT UP TO BEAM 11.	
36d	G	CRACKING ALONG PATCH AT SOUTHWEST WINGWALL NORTHEAST WINGWALL HORIZONTAL HAIRLINE CRACKING ALONG CONSTRUCTION POUR JOINT.	
36e	F	NOT VISIBLE	
45c	F	BANK SCOUR UP TO 2' DEEP ALONG SOUTHWEST CORNER.	
50	G	RECENT REPAIR ALONG SOUTH APPROACH. RECENT REPAIR ALONG NORTH APPROACH.	
61	YES	BEAMS 10 AND 11	
62	YES	SV 18 TTST 22	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 630187

County NASH

Date: 08/06/2014

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	4	BEAM 10 TOP RIGHT FLANGE HAS LOSS OF SECTION 1/4" WITH 3/16" SECTION REMAINING 4' LONG AT MIDSPAN.	
 3314	Maintain Steel Superstructure Components	LF	45	BEAM 11 TOP FLANGE HAS LOSS OF SECTION 1/4" WITH 1/8" SECTION REMAINING FULL LENGTH OF SPAN.	
 3314	Maintain Steel Superstructure Components	LF	1	BEAM 10 ABUTMENT 2 END HAS LOSS OF SECTION 3/8" WITH 3/8" SECTION REMAINING IN BOTTOM FLANGE, FULL WIDTH ALONG CAP ENTRY AREA	
 3314	Maintain Steel Superstructure Components	LF	1	BEAM 11 ABUTMENT 1 END HAS LOSS OF SECTION 1/8" WITH 1/4" REMAINING FULL WIDTH OF BOTTOM FLANGE ALONG BEAM / CAP ENTRY AREA.	
2816	Asphalt Surface Repair or Replacement	SY	115	CRACKING IN ASPHALT WEARING SURFACE ALONG CENTERLINE.	
3326	Maintain Concrete Deck	SF	1035	DECK SPALLING UP TO 3/4" DEEP WITH REBAR EXPOSED MIDSPAN BAY 1. SIMILAR NEAR ABUTMENT 1 END BAY1 AND AT BAY 10.	
3342	Clean and Paint Structural Steel	SF	2376	PAINT SCALING AT BEAMS 2 AND 3. SIMILAR AT EACH BEAM.	
3376	Clean/Wash Bridge Decks	SF	270	DECK DEBRIS ALONG RIGHT SIDE. SIMILAR AT LEFT SIDE.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630187 County NASH

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Beams and Girders		Bent/Span No. 1 BEAM 10
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
08/07/2014	H.W. HICKS, JR.	T.L. GOINS
Details		
BEAM 10 TOP RIGHT FLANGE HAS LOSS OF SECTION 1/4" WITH 3/16" SECTION REMAINING 4' LONG AT MIDSPAN.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	45 LF
Location:		
Beams and Girders		Bent/Span No. 1 11
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
08/07/2014	H.W. HICKS, JR.	T.L. GOINS
Details		
BEAM 11 TOP FLANGE HAS LOSS OF SECTION 1/4" WITH 1/8" SECTION REMAINING FULL LENGTH OF SPAN.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630187 County NASH

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Beams and Girders		Bent/Span No. 1 10
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
08/07/2014	H.W. HICKS, JR.	T.L. GOINS
Details		
BEAM 10 ABUTMENT 2 END HAS LOSS OF SECTION 3/8" WITH 3/8" SECTION REMAINING IN BOTTOM FLANGE, FULL WIDTH ALONG CAP ENTRY AREA		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Beams and Girders		Bent/Span No. 1 11
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
08/07/2014	H.W. HICKS, JR.	T.L. GOINS
Details		
BEAM 11 ABUTMENT 1 END HAS LOSS OF SECTION 1/8" WITH 1/4" REMAINING FULL WIDTH OF BOTTOM FLANGE ALONG BEAM / CAP ENTRY AREA.		



RECENT REPAIR ALONG SOUTH APPROACH



CRACKING IN ASPHALT WEARING SURFACE ALONG CENTERLINE.



RECENT REPAIR ALONG NORTH APPROACH



DECK DEBRIS ALONG RIGHT SIDE. SIMILAR AT LEFT SIDE.



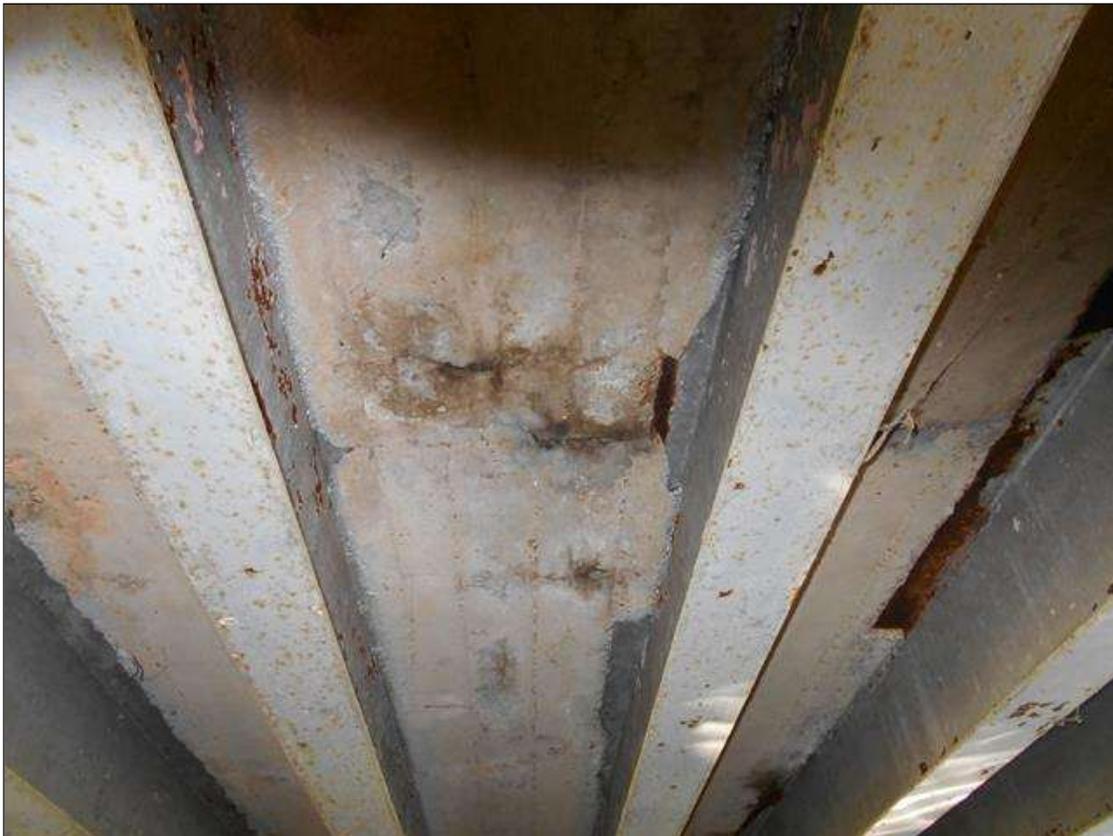
BANK SCOUR UP TO 2' DEEP ALONG SOUTHWEST CORNER.



CRACKING ALONG PATCH AT SOUTHWEST WINGWALL



DECK SPALLING UP TO 3/4" DEEP WITH REBAR EXPOSED MIDSPAN BAY 1. SIMILAR NEAR ABUTMENT 1 END BAY1 AND AT BAY 10.



DECK BAY 4 MAP CRACKING WITH DISCOLORATION AT MIDSPAN. SIMILAR AT BAYS 6, 7 AND 8.



REPAIR FORM IN PLACE AT BAY 8 ABUTMENT 1 END.



ABUTMENT 1 BREASTWALL HAS COARSE AGGREGATE EXPOSED ALONG BOTTOM 3' TO WATERLINE.
SIMILAR AT ABUTMENT 2 BREASTWALL.



ABUTMENT 1 BREASTWALL HAS VERTICAL HAIRLINE CRACKING UNDER BEAM 5.



PAINT SCALING AT BEAMS 2 AND 3. SIMILAR AT EACH BEAM.



ABUTMENT 2 BREASTWALL VERTICAL CRACKING UP TO 1/8" OPEN UNDER BEAM 3.



ABUTMENT 2 BREASTWALL HAS VERTICAL CRACKING HAIRLINE TO 1/16" OPEN UNDER BEAM 9.



ABUTMENT 2 HAS DIAGONAL CRACKING UP TO 1/16" OPEN AT WINGWALL JOINT UP TO BEAM 11.



NORTHEAST WINGWALL HORIZONTAL HAIRLINE CRACKING ALONG CONSTRUCTION POUR JOINT.



ABUTMENT 2 CAP SPALLING 6' WIDE X 5" HIGH X 2" DEEP WITH REBAR EXPOSED UNDER BEAMS 10 AND 11.



BEAM 10 TOP RIGHT FLANGE HAS LOSS OF SECTION 1/4" WITH 3/16" SECTION REMAINING 4' LONG AT MIDSPAN.



BEAM 11 TOP FLANGE HAS LOSS OF SECTION 1/4" WITH 1/8" SECTION REMAINING FULL LENGTH OF SPAN.



BEAM 10 ABUTMENT 2 END HAS LOSS OF SECTION 3/8" WITH 3/8" SECTION REMAINING IN BOTTOM FLANGE, FULL WIDTH ALONG CAP ENTRY AREA

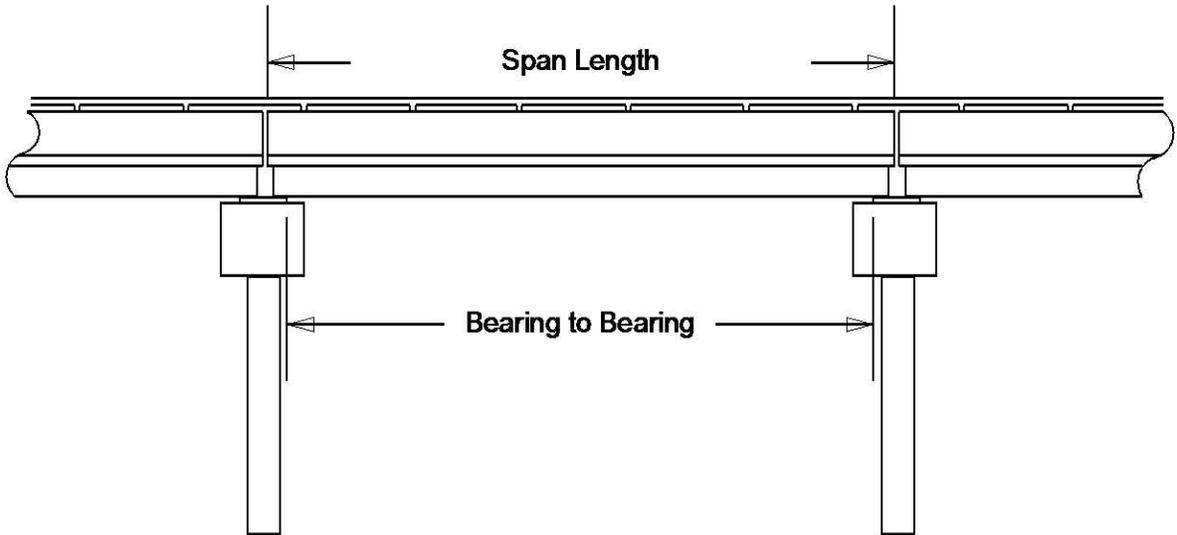


BEAM 11 ABUTMENT 1 END HAS LOSS OF SECTION 1/8" WITH 1/4" REMAINING FULL WIDTH OF BOTTOM FLANGE ALONG BEAM / CAP ENTRY AREA.

Structure Data Worksheet

Spans

County: NASH Structure No: 630187 Date: 08/06/2014 Inspected By: HWH



Span No	Span Length	Bearing to Bearing	Comments
1	44.5FT	40.75'	
1	44.500 FT.	40.75'	
			NBIS 42.0'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 630187 County: NASH Date: 08/06/2014 By: HWH

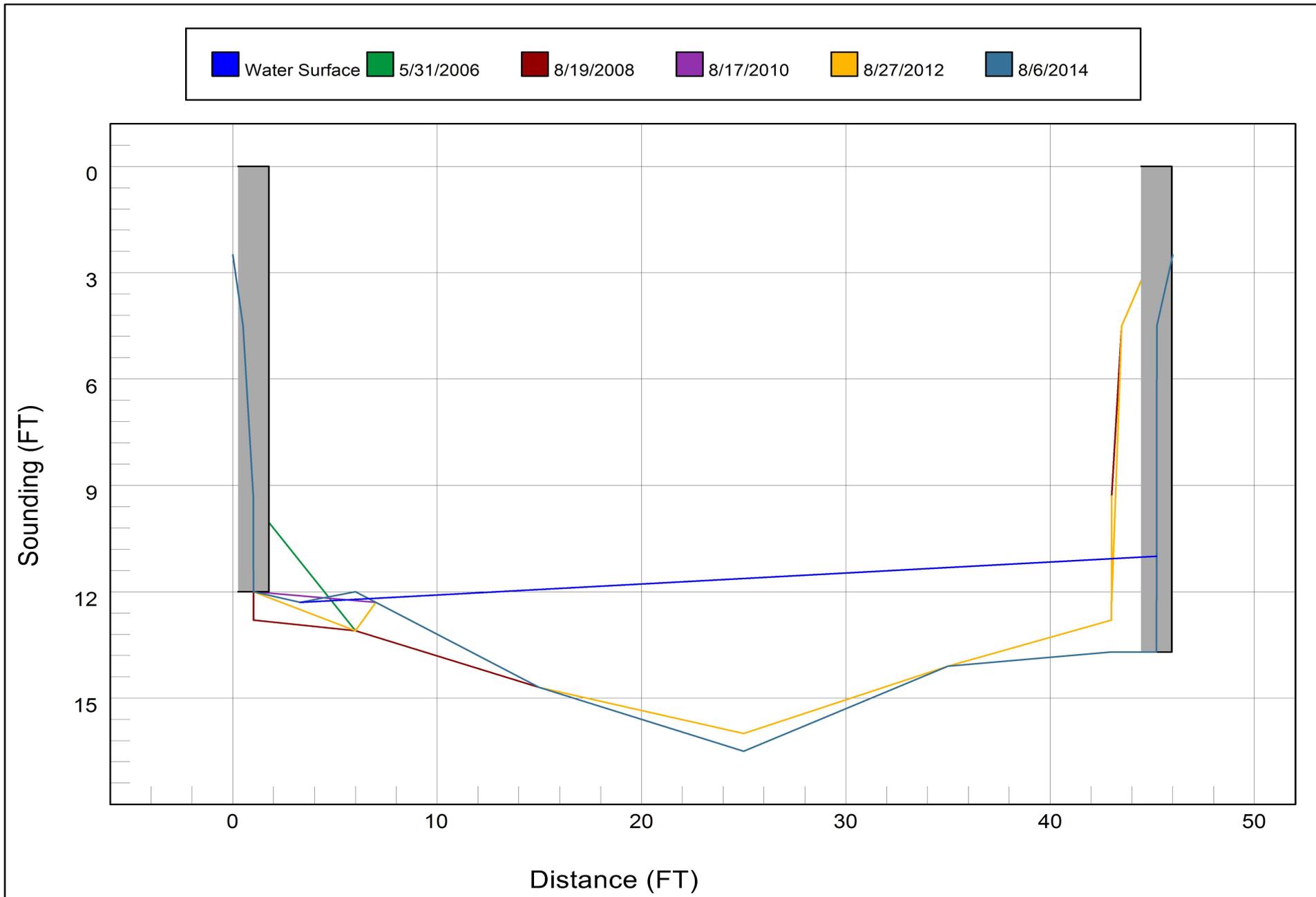
Record sounding from top of rail. Other location if needed: _____

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	2.5	TOP OF RAIL			
0.5	4.5	Top of Cap			
1	9.3				
1.01	12	ABUTMENT 1	1.01	13.6	ABUTMENT 1
3.3	12.3	Water Surface/Water Edge (WSWE)			
6	12				
15	14.7				
25	16.5				
35	14.1				
43	13.7				
45.2	13.7	ABUTMENT 2	45.2	12	ABUTMENT 2
45.21	11	Water Surface/Water Edge (WSWE)			
45.22	4.5	Top of Cap			
46	2.5	TOP OF RAIL			

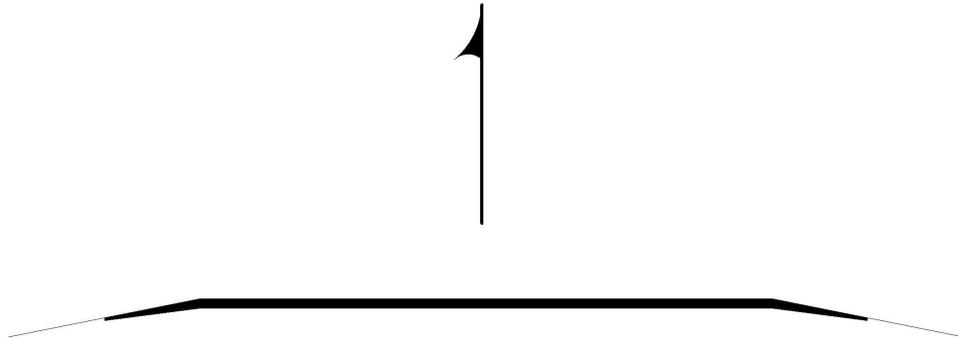
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

North



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide	2ft Paved	4ft Unpaved
Right Shoulder	6ft Wide	2ft Paved	4ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 8/6/14 HWH

VMH - 08/28/12

Title

APPROACH ROADWAY

Description

APPROACH ROADWAY

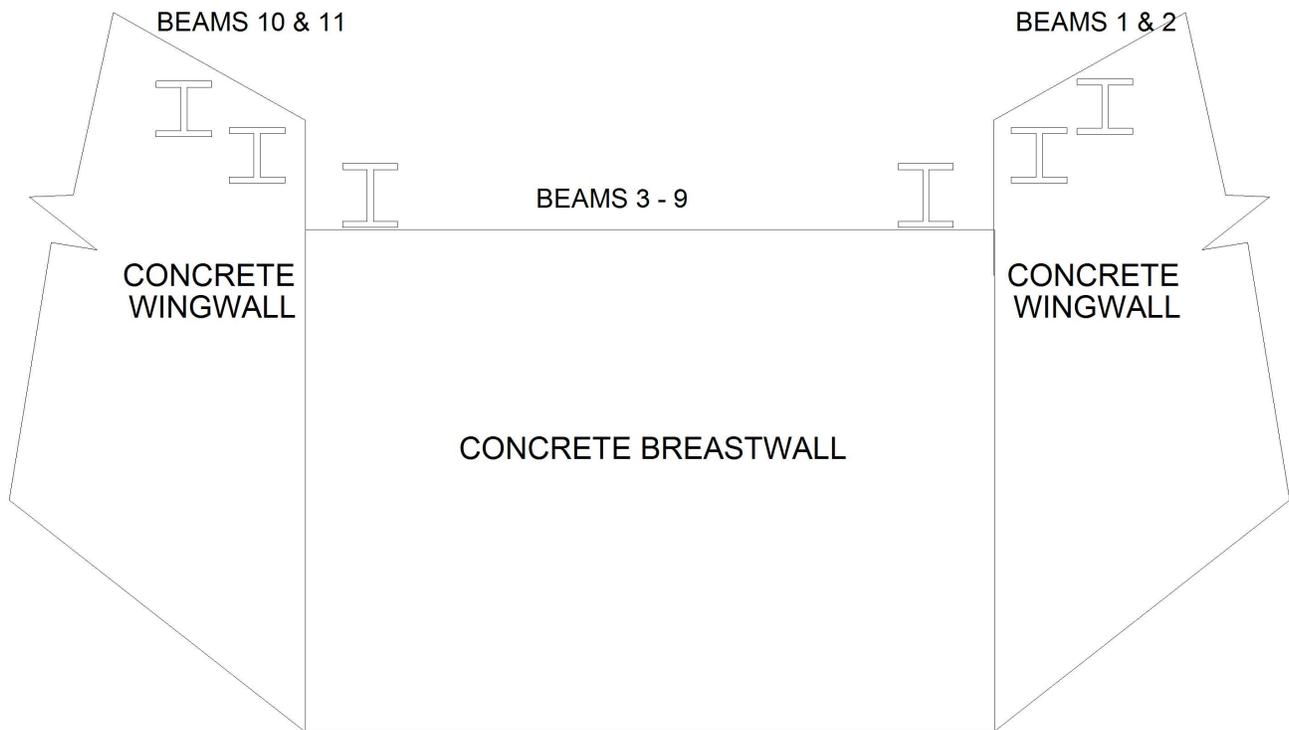
Bridge No: 630187

Drawn By: VMH

Date: 08/19/2008

File Name: S0026002376

Bridge Inspection Field Sketch



TYPICAL ABUTMENT

VERIFIED 8/6/14 HWH

VMH - 08/28/12

Title

ABUTMENT

Description

ABUTMENT

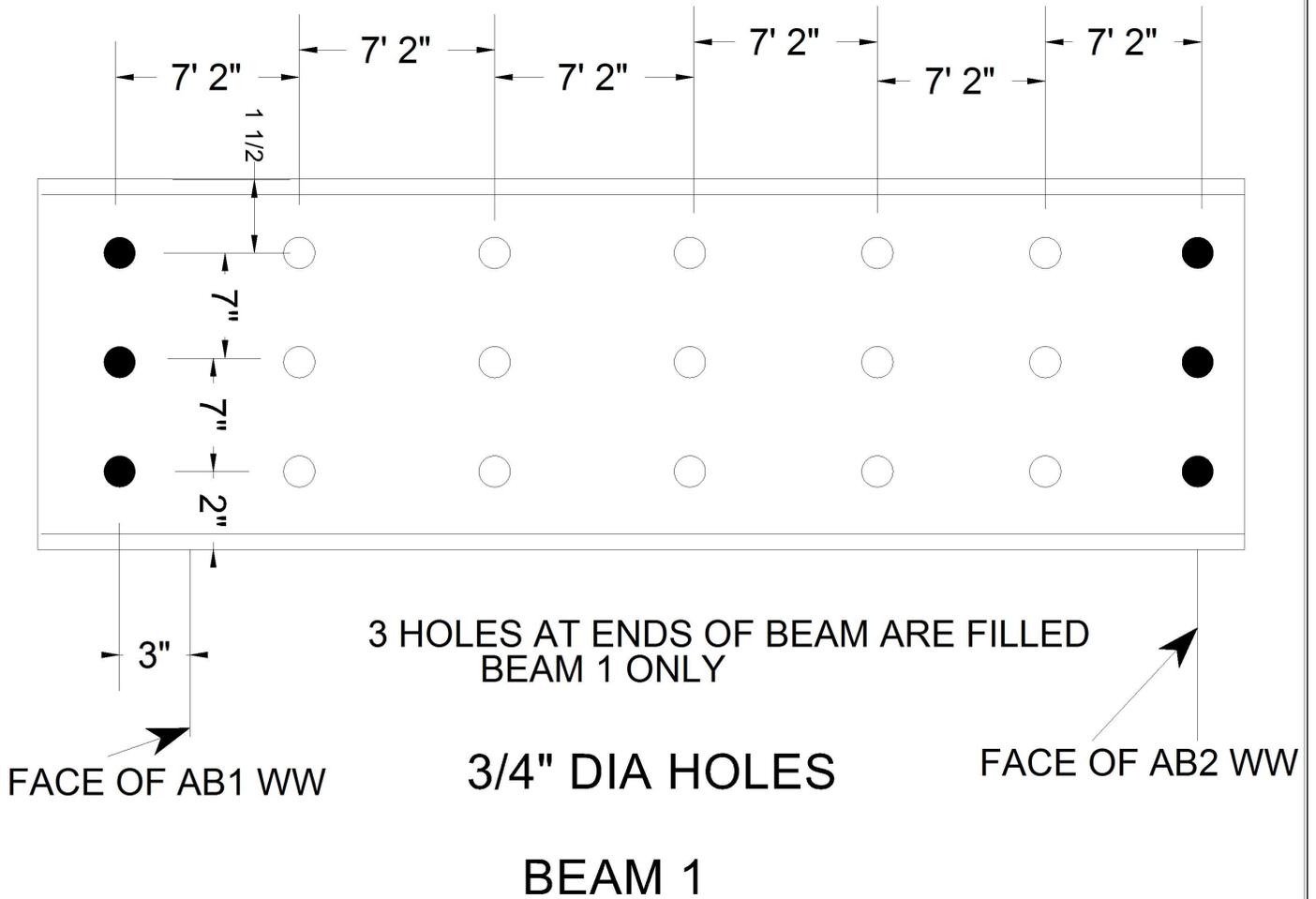
Bridge No: 630187

Drawn By: VMH

Date: 08/19/2008

File Name: S0026002378

Bridge Inspection Field Sketch



VERIFIED 8/6/14 HWH

VMH - 08/28/12

Title

HOLES IN BEAMS

Description

HOLES IN BEAM 1

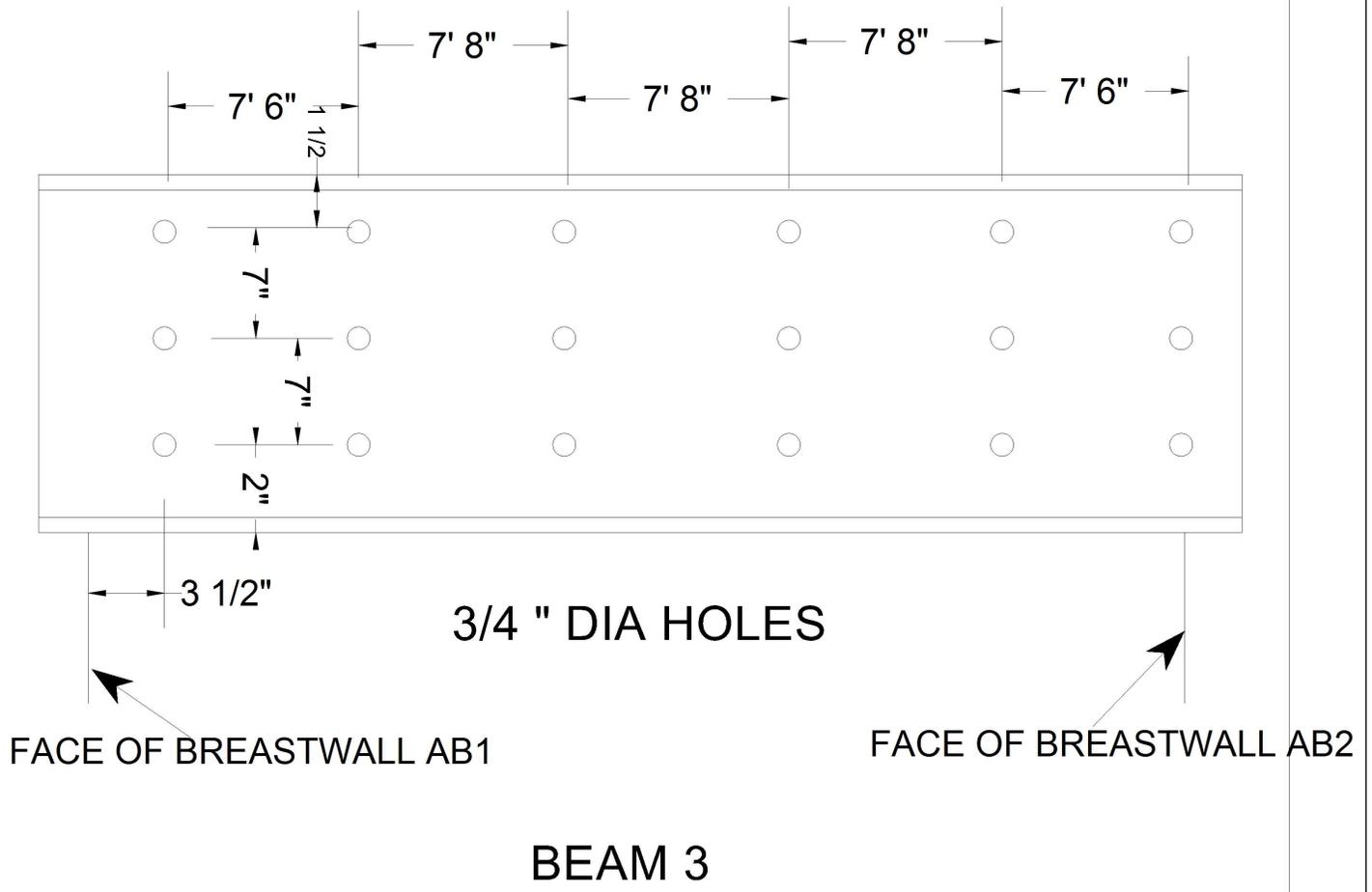
Bridge No: 630187

Drawn By: VMH

Date: 08/19/2008

File Name: S0026002379

Bridge Inspection Field Sketch

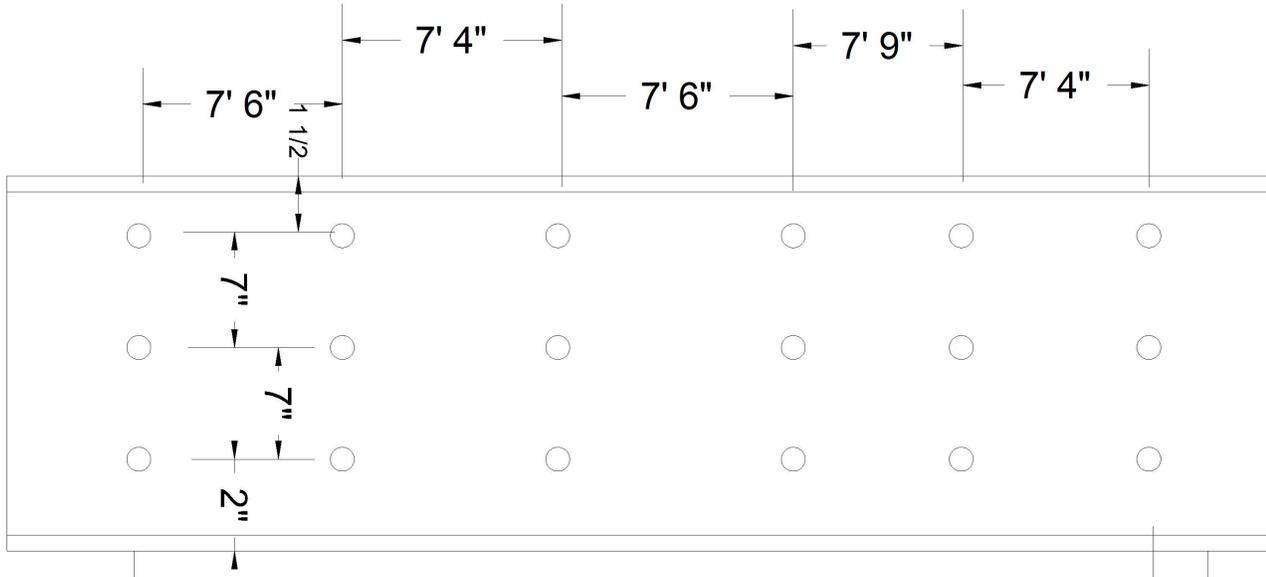


VERIFIED 8/6/14 HWH

VMH / 8/28/12

Title HOLES IN BEAMS 2		Description BEAM 3	
Bridge No: 630187	Drawn By: VMH	Date: 08/19/2008	File Name: S0026002380

Bridge Inspection Field Sketch



3/4 " DIA HOLES

FACE OF AB1 BREASTWALL

FACE OF AB2 BREASTWALL

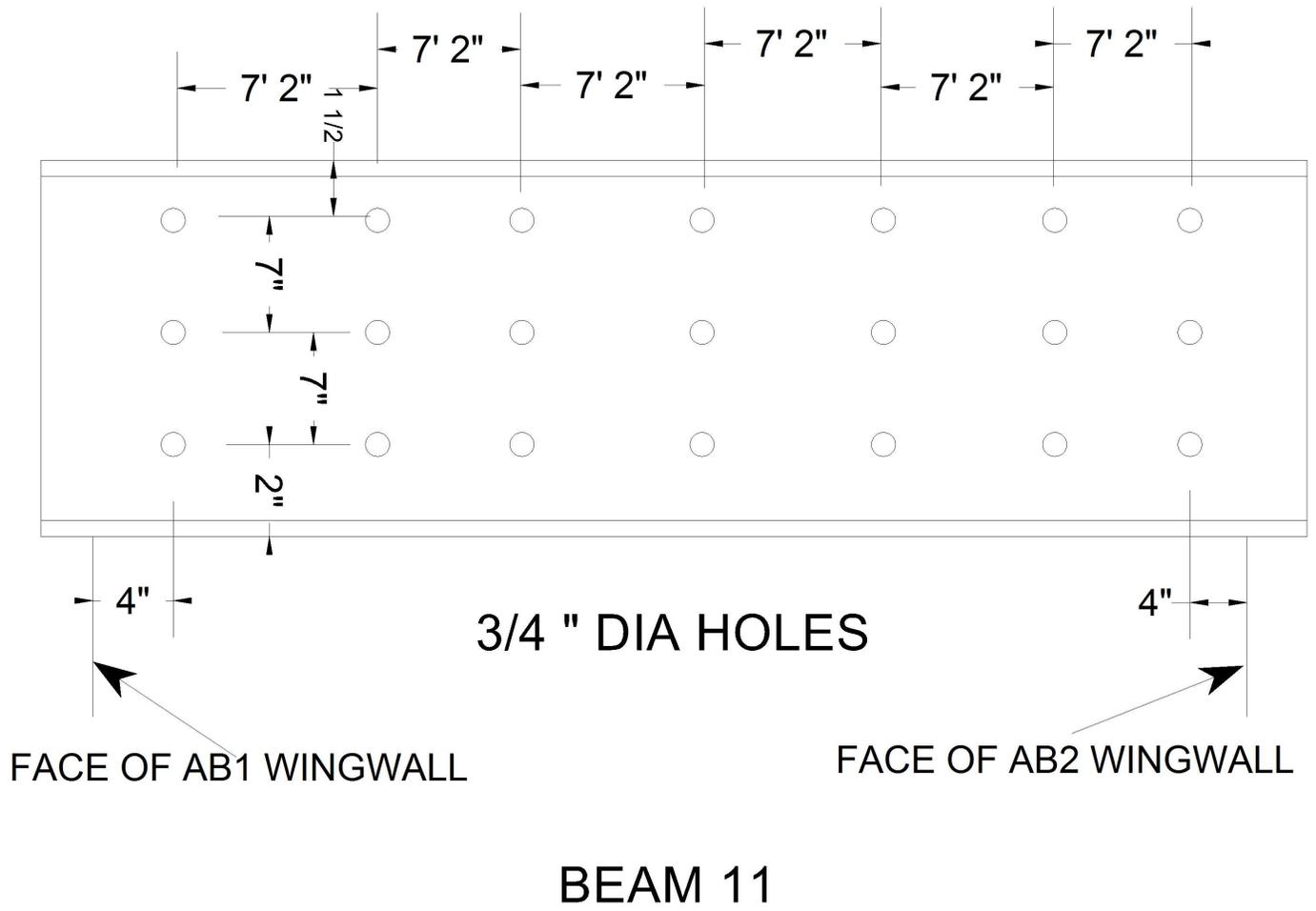
BEAM 9

VERIFIED 8/6/14 HWH

VMH 8/28/12

Title HOLES IN BEAMS 3		Description HOLES IN BEAM 9	
Bridge No: 630187	Drawn By: WCM	Date: 08/17/10	File Name: S0026002382

Bridge Inspection Field Sketch



FACE OF AB1 WINGWALL

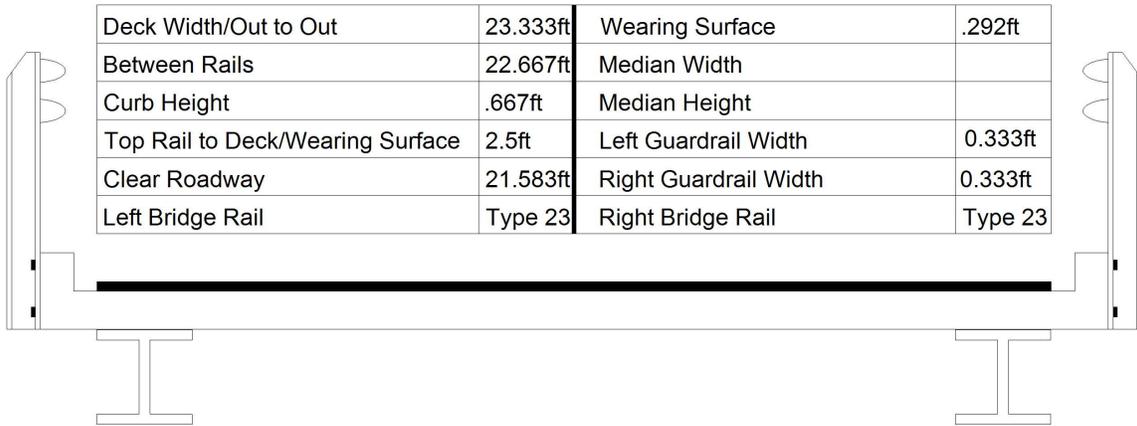
FACE OF AB2 WINGWALL

VERIFIED 8/6/14 HWH

VMH 8/28/12

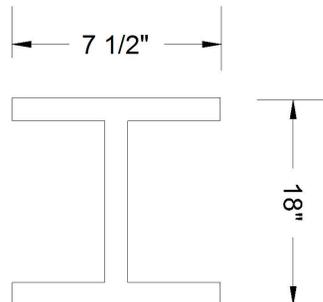
Title HOLES IN BEAMS 4		Description HOLES IN BEAM 11	
Bridge No: 630187	Drawn By: VMH	Date: 08/19/2008	File Name: S0026002384

Bridge Inspection Field Sketch



Measurements for Span #	1		
Deck Thickness	.417	Left Overhang	.312
Top of Rail to Bottom of Beam	4.5	Right Overhang	.312

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.208ft	7 1/2 in. x 18 in. x 1/2 in. FF
2	Steel I Beam	1.583ft	7 1/2 in. x 18 in. x 1/2 in. FF
3	Steel I Beam	2.542ft	7 1/2 in. x 18 in. x 1/2 in. FF
4	Steel I Beam	2.583ft	7 1/2 in. x 18 in. x 1/2 in. FF
5	Steel I Beam	2.625ft	7 1/2 in. x 18 in. x 1/2 in. FF
6	Steel I Beam	2.542ft	7 1/2 in. x 18 in. x 1/2 in. FF
7	Steel I Beam	2.500ft	7 1/2 in. x 18 in. x 1/2 in. FF
8	Steel I Beam	2.542ft	7 1/2 in. x 18 in. x 1/2 in. FF
9	Steel I Beam	1.417ft	7 1/2 in. x 18 in. x 1/2 in. FF
10	Steel I Beam	2.167ft	7 1/2 in. x 18 in. x 1/2 in. FF
11	Steel I Beam		7 1/2 in. x 18 in. x 1/2 in. FF



VERIFIED 8/6/14 HWH

1/2" FLANGE THICKNESS

VMH 8/28/12

Title
TYPICAL SECTION

Description
TYPICAL SECTION

Bridge No: 630187

Drawn By: VMH

Date: 08/17/10

File Name: S0026002377



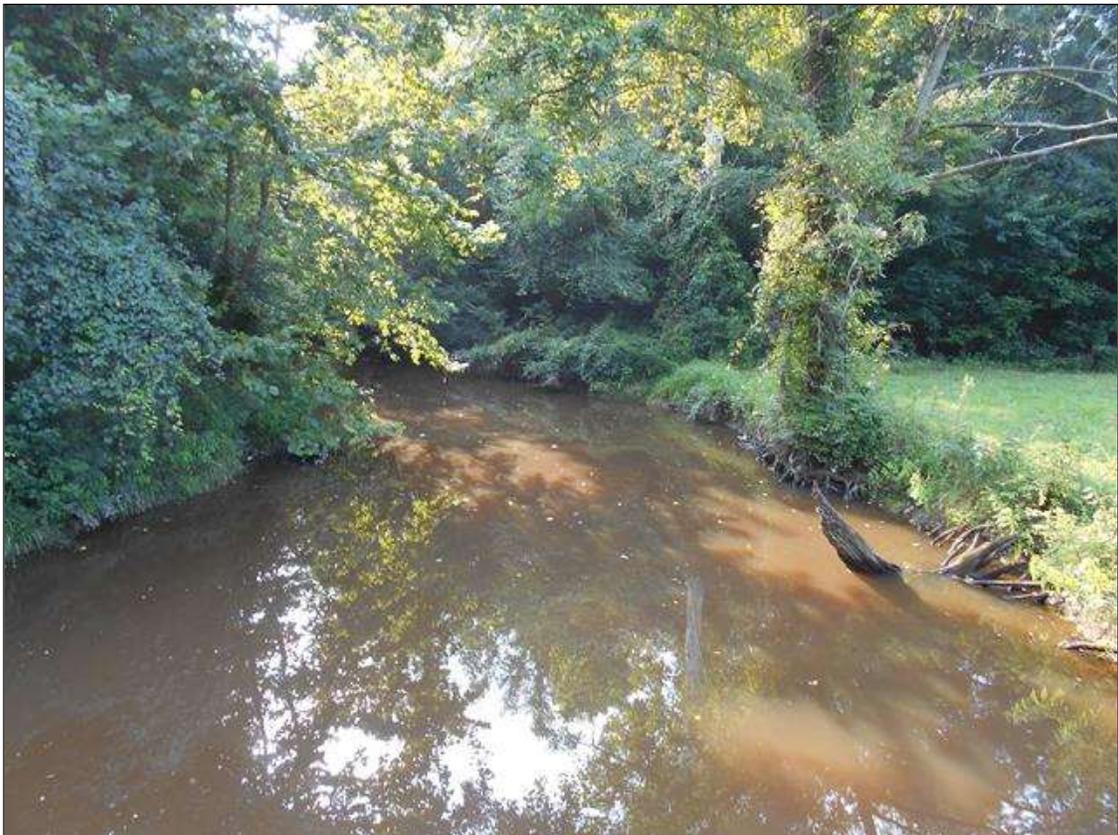
NORTH APPROACH LOOKING SOUTH



POSTING SV 18 TTST 22 NORTH END



UPSTREAM



DOWNSTREAM



POSTING SV 18 TTST 22 SOUTH END



SOUTH APPROACH LOOKING NORTH



LOOKING WEST



LOOKING EAST



LEFT RAIL SIMILAR AT RIGHT RAIL.



ABUTMENT 2 LOOKING NORTH



SUPERSTRUCTURE



ABUTMENT 1 LOOKING SOUTH