



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINT. BM. ADDED TO SPAN 4

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ASHE BRIDGE NUMBER 040060 INSPECTION CYCLE 2 YRS
ROUTE SR1324 ACROSS BIG HORSE CREEK M.P. 0

LOCATION 25 FT.W.JCT.SR1353

SUPERSTRUCTURE PRESTRESSED CONCRETE CHANNELS & I-BEAMS

SUBSTRUCTURE E.BTS&INT.BTS:PPC CAPS/ H-PILES ENCASED IN CONC.

SPANS 1 @ 30'-3; 2 @ 30'; 1 @ 30'-3

LONGITUDE 81° 31' 6.7"

LATITUDE 36° 30' 24.1"

PRESENT CONDITION POOR

INVENTORY RATING

INSPECTION DATE 05/23/2012

OPERATING RATING

PRESENT POSTING SV 32 TTST 40

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELIN.



LOOKING EAST

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>

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

Run Date: 06/26/2012

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	040060		SUFFICIENCY RATING =		52.54	
(8) STRUCTURE NUMBER(FEDERAL)		000000000090060		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31013240					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3					
(3) COUNTY CODE	9	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	BIG HORSE CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	SR1324			(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION	25 FT.W.JCT.SR1353			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	36° 30' 24.1"	(17)LONG	81° 31' 6.7"	(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						
TYPE -	Channel Beam	CODE	522				
(44) STRUCTURE TYPE APPR :	Steel						
TYPE -	Stringer Multibeam or Girder	CODE	302				
(45) NUMBER OF SPANS IN MAIN UNIT			3	(58) DECK		5	
(46) NUMBER OF APPROACH SPANS			1	(59) SUPERSTRUCTURE		4	
(107)DECK STRUCTURE TYPE -	1	CODE		(60) SUBSTRUCTURE		5	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		7	
(A) TYPE OF WEARING SURFACE -		CODE		(62) CULVERTS		N	
(B) TYPE OF MEMBRANE	-	CODE					
(C) TYPE OF DECK PROTECTION -		CODE		LOAD RATING AND POSTING			
				(31) DESIGN LOAD	H 15		2
				(63) OPERATING RATING METHOD -	Load Factor		
				(64) OPERATING RATING -	HS-19		134
				(65) INVENTORY RATING METHOD -	Load Factor		
				(66) INVENTORY RATING -	HS-10		118
				(70) BRIDGE POSTING -	Posting Required		2
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED			P
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1973	(67) STRUCTURAL EVALUATION			4
(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		(72) APPROACH ROADWAY ALIGNMENT			7
(29) AVERAGE DAILY TRAFFIC			860	(36) TRAFFIC SAFETY FEATURES			0000
(30) YEAR OF ADT	2010	(109) TRUCK ADT PCT	6%	(113)SCOUR CRITICAL BRIDGES			U
(19) BYPASS OR DETOUR LENGTH			8 MI				
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN			30 FT	(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH			121 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT	.4 FT	RIGHT	.4 FT	(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			29 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT			30.5 FT	(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			19 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN -	No Median	CODE	0	(114)FUTURE ADT	1750	(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 FT	(90) INSPECTION DATE			05/23/2012
(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: 06/26/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ASHE	11	3	040060	121	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1324	BIG HORSE CREEK

LOCATED :	BRIDGE NAME :	CITY :
25 FT.W.JCT.SR1353		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	860 2010	LT 233 RT 233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1973	BMU			H 15

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

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT 17 FT 3 FT		

SUPERSTRUCTURE :	PRESTRESSED CONCRETE CHANNELS & I-BEAMS
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SUBSTRUCTURE :	E.BTS&INT.BTS:PPC CAPS/ H-PILES ENCASED IN CONC.
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SPANS :	1 @ 30'-3; 2 @ 30'; 1 @ 30'-3
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BEAMS OR GIRDERS :	SPN.1-3:PPC CHANNELS;SPN.4:22 LINES 14 I-BEAMS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
PPC.CH/3 AWS		30.5 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
29 FT	29.9 FT	LT .4 FT RT .4 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-10	HS-19	Channel	SV 21	28	06/26/2012

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. 040060 COUNTY ASHE ROUTE SR1324 OVER BIG HORSE CREEK
 STRUCTURE TYPE PRESTRESSED CONCRETE CHANNELS & I-BEAMS
 ROUTE ORIENTATION W - E SPANS 1 @ 30'-3; 2 @ 30'; 1 @ 30'-3

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			G	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
					b. ALIGNMENT	G	
					c. SCOUR	F	
					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	1	G	51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM CODE A			G
	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		F				
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	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)			6
	d. STANDARD JOINTS		F	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	5	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.	ITEM 61	7	
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		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			F	b. APPR. RDWY. ALIGNMENT		7	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			L
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			SNOOPER (CODE S, 4, OR N)		HRS	NO
	c. BULKHEADS, WING'S, & TIE BACKS			LADDER			NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		F	BUCKET TRUCK			NO
	b. ABUT. & BENT COL'S BREASTWALLS			BOAT			NO
	c. ABUT. & INT. BENT PILES			OTHER			NO
	d. BACKWALLS, WING'S, RETAIN. WALLS		G				
	e. ABUT. & BENT FOOTINGS & SILLS		G				
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INSPECTION REQUESTED FOR			
	b. PILES, BRACING, AND BULKHEADS		F				
38. FOUNDATION PILES TYPE MATERIAL				NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)			F				
40. FENDER SYSTEMS				80. INSPECTED BY:			<i>Don Welborn</i>
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 Inspection & Analysis</u>	
Team Leader DWELBORN			
Assisted By JSF			
Item No.	Grade		
1	G	OPEN CRACK OVER EXPANSION JOINTS. 2 LONGITUDINAL CRACKS IN LEFT LANE SPAN 3.	
2a	F	LEAKAGE BETWEEN FEW SECTIONS.	
3d	F	BENT AND BOWED FROM DAMAGE ESPECIALLY IN SPAN 4.	
4	F	WEATHERED, SCALING AND FEW SPALLS ESPECIALLY AT RAIL CONNECTION.	
6d	F	LEAKING.	
10	P	CHIPPING AND SPALLING AT ENDS OVER CAPS. SCALING AND FEW LONGITUDINAL CRACKS ALONG BOTTOM EDGE OF FEW CHANNEL LEGS. PAST EPOXY REPAIR IN SPAN 3 HOLDING BUT LOSS IN CHANNEL LEGS REMAIN THE SAME. RIGHT LEG CHANNEL 1 SPAN 2 12' OF EXPOSED CABLE & ALMOST RUSTED THRU NEAR MID - SPAN. RIGHT LEG CHANNEL 2 SPAN 3 12' EXPOSED & RUSTING CABLE.	
15	F	PADS UNDER END OF LEGS SHOW RUST AND CORROSION.	
36a	F	WEATHERED AND LEAKAGE STAINED. HAIRLINE CRACKS WITH FEW EDGE SPALLS OVER FEW PILES.	
37b	F	SCATTERED RUST. RUST AT TOPS ALONG PLATES. ABUTMENT 2 PILE 4 AND 6 TWISTED DURING PLACEMENT.	
39	F	NONE AT ABUTMENT 1 WHICH HAS EROSION. ROCK AT ABUTMENT 2 WITH EROSION DOWN EACH SIDE.	
45c	F	BANK EROSION. BED EROSION ALONG PIER 1 AND 2 FOOTINGS ESPECIALLY UPSTREAM ENDS.	
50	F	SCATTERED CRACKING AND SETTLEMENT DIP. EROSION AT NORTHEAST CORNER.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 040060

County ASHE

Date: 05/23/2012

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	15	LT. LEG CHANNEL 2 SPAN 3 12' EXPOSED & RUSTING CABLE.	
 3306	Maintain Concrete Superstructure Components	SF	15	RT. LEG CHANNEL 1 SPAN 2 12' EXPOSED & RUSTING CABLE & ALMOST RUSTED THRU NEAR MID-SPAN	
3322	Maint to Steel Handrail	LF	30	BENT & DAMAGED RAIL MAINLY IN SPAN 4	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 040060 County ASHE

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	15 SF
Location:		
Beams and Girders	Bent/Span No. 3	CHANNEL 2
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
05/29/2012	DWELBORN	JFAULKNER
Details		
LT. LEG CHANNEL 2 SPAN 3 12' EXPOSED & RUSTING CABLE.		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	15 SF
Location:		
Beams and Girders	Bent/Span No. 2	CHANNEL 1
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
05/29/2012	DWELBORN	JFAULKNER
Details		
RT. LEG CHANNEL 1 SPAN 2 12' EXPOSED & RUSTING CABLE & ALMOST RUSTED THRU NEAR MID-SPAN		



RIGHT LEG CHANNEL 1 SPAN 2



RIGHT LEG CHANNEL 1 SPAN 2



LEFT LEG CHANNEL 2 SPAN 3



LEFT LEG CHANNEL 4 SPAN 3



LEFT CURB SPAN 3



SPAN 4 ASPHALT WEARING SURFACE



LEFT LANE SPAN 3



ABUTMENT 1 CAP AT PILE 2



RIGHT RAIL EAST END



NORTHEAST CORNER

Structure Data Worksheet

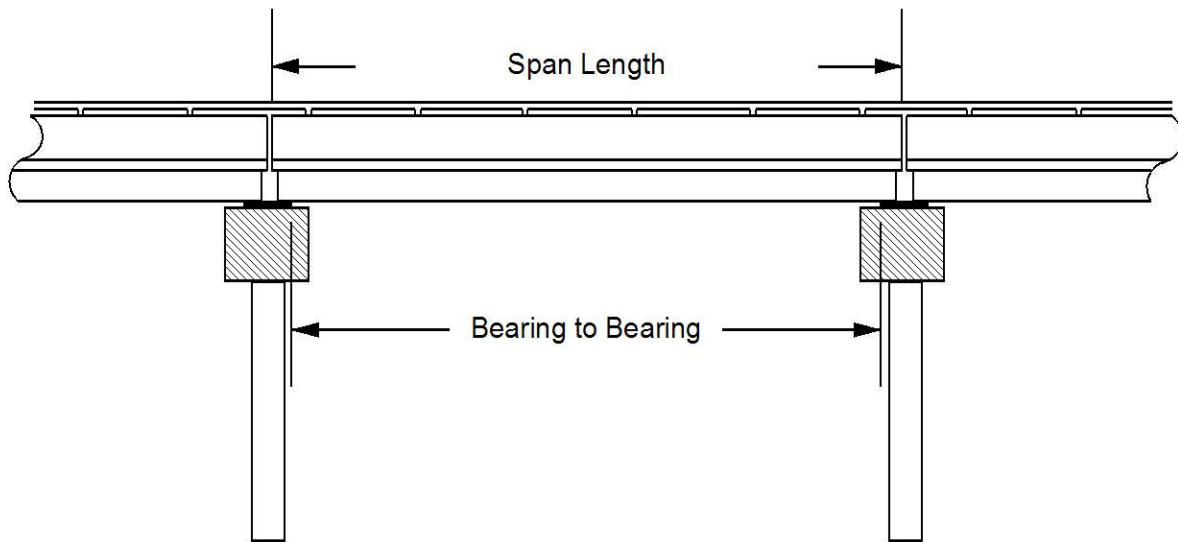
Spans

County: ASHE

Structure No: 040060

Date: 05/23/2012

Inspected By: DCW



Span No	Span Length	Bearing to Bearing	Comments
1	30 FT. 3 IN.	29 ft. 3 in.	TOTAL LENGTH 120.500'
2	30 ft. 0 in.	29 ft. 6 in.	
3	30 ft. 0 in.	29 ft. 6 in.	
4	30 ft. 3 in.	29 ft. 3 in.	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 040060 County: ASHE Date: 05/23/2012 By: DCW

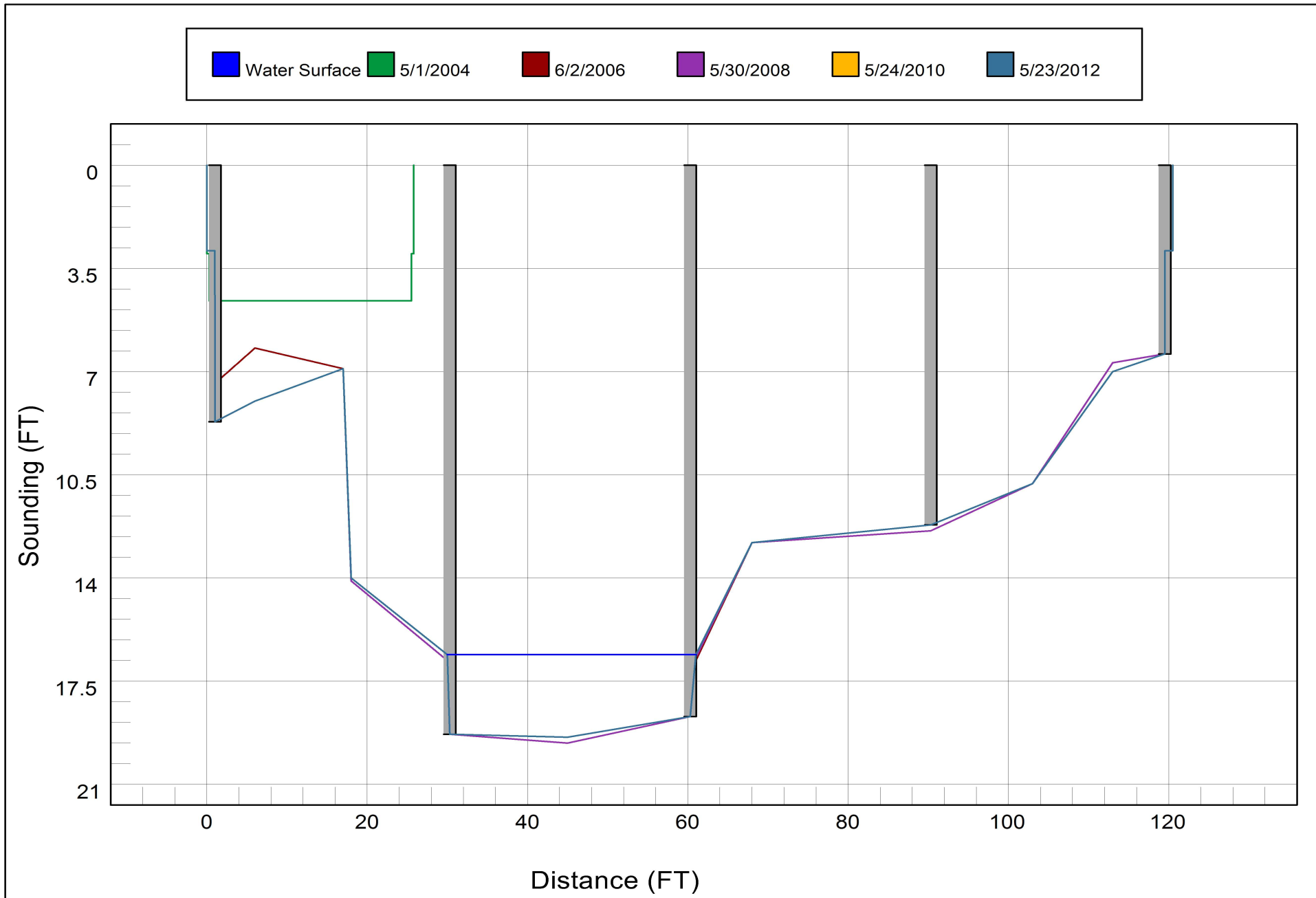
Record sounding from top of rail. Other location if needed: _____

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	2.9	TOP OF FF			
1	2.9	TOP OF FF			
1	4.4	TOP OF CAP			
1.01	8.7	FACE OF ABUTMENT	1.01	10	FACE OF ABUTMENT
6	8	SLOPE			
17	6.9	SLOPE			
18	14	SLOPE			
30	16.6	WS WE			
30.3	19.3	PIER 1	30.3	18.3	PIER 1
45	19.4	BED			
60.3	18.7	PIER 2	60.3	19	PIER 2
61	16.6	WS WE			
68	12.8	SLOPE			
90.3	12.2	PIER 3	90.3	11.4	PIER 3
103	10.8	SLOPE			
113	7	SLOPE			
119.5	6.4	FACE OF ABUTMENT	119.5	5.8	FACE OF ABUTMENT
119.51	4.4	TOP OF CAP			
119.52	2.9	TOP OF FF			
120.5	2.9	TOP OF FF			
120.51	0	TOP OF RAIL			

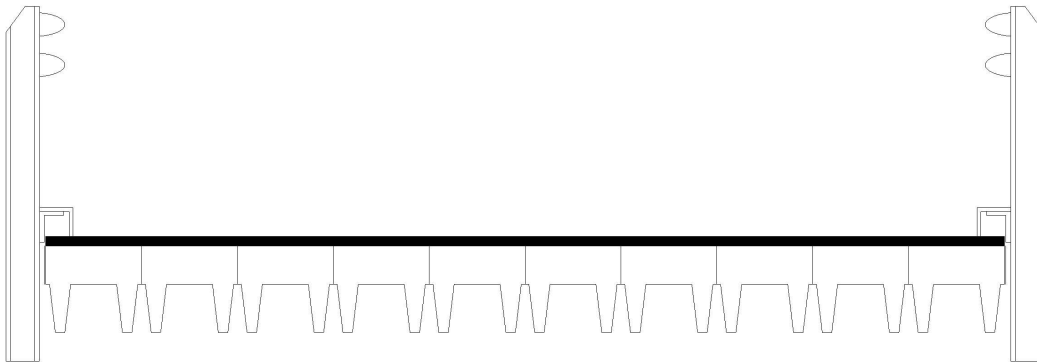
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

Deck Width/Out to Out	30.500ft	Wearing Surface	0.250ft
Between Rails	29.917ft	Median Width	
Curb Height	0.500ft	Median Height	
Top Rail to Deck/Wearing Surface	2.500ft	Left Guardrail Width	
Clear Roadway	29.0ft	Right Guardrail Width	
Left Bridge Rail	Type 23	Right Bridge Rail	Type 23



Measurements for Span #	1	SPAN 2, 3 SIMILAR	
Deck Thickness	0.417	Left Overhang	
Top of Rail to Bottom of Beam	4.333	Right Overhang	

No. of Channels	10
Leg Width	2 1/2 in.
Leg Height	12 in.
Leg to Leg (Centers)	24 in.
Channel Width	30 in.
Channel Height	17 in.
Comments	

VERIFIED 5/23/12 DWELBORN

Title

TS

Description

SUPER

Bridge No: 040060

Drawn By: DCW

Date: 05/30/2008

File Name: S0126000836

Bridge Inspection Field Sketch



Roadway	19ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3ft Wide		3ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 5/23/12 J. FAULKNER

Title

APRW

Description

APPROACH ROADWAY

Bridge No: 040060

Drawn By: G.R.R.

Date: 05/30/2008

File Name: S0130000840

Bridge Inspection Field Sketch



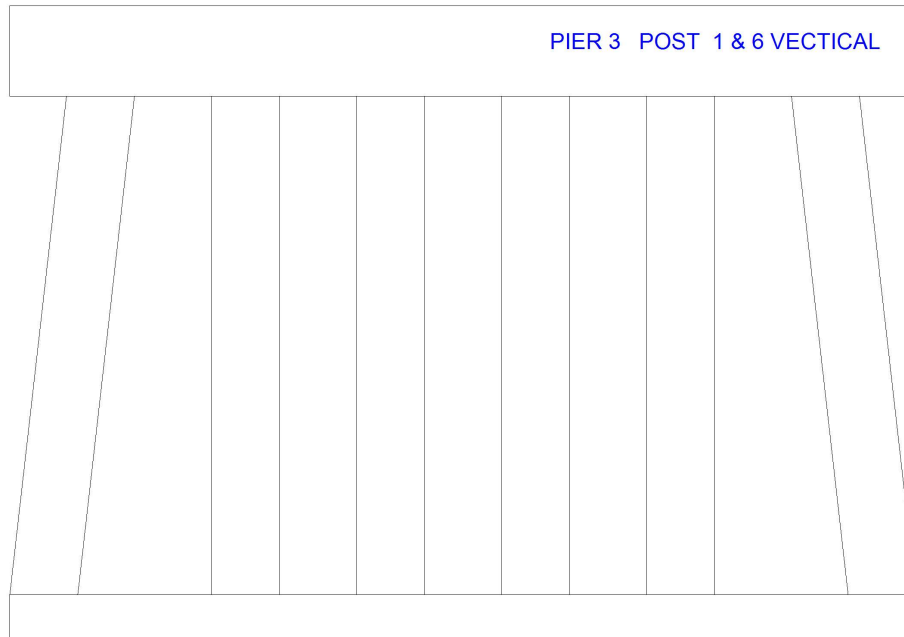
Abutment #	1	Abutment 2 similar	
Cap - Pre-Cast			
Cap Size	31ft Long	1.333ft Wide	1ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	.5ft 1.667 FT @ AB 2
Right Overhang	1.333ft	Rt Cap/Beam Overhang	.5ft 1.833 FT @ AB 2
Sill - Piles			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
2	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
3	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
4	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
5	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
6	Steel	Pile Bent			10"	9 5/8"	Vertical

VERIFIED 5/23/12 J. FAULKNER

Title		Description	
SUB 1&2		SUB AB 1 & 2	
Bridge No:	040060	Drawn By:	G.R.R.
Date:	05/30/2008	File Name:	S0130000841

Bridge Inspection Field Sketch



Bent #	1	Bents 2, 3 similar	
Cap - Pre-Cast			
Cap Size	31ft Long	1.333ft Wide	1ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	.5ft 1.167 @ PIER 3 IN SPAN 4
Right Overhang	1.333ft	Rt Cap/Beam Overhang	.5ft 1.833 @ PIER 3 IN SPAN 4
Sill - Piles			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Steel	Pile Bent	5' 8"		10"	9 5/8"	Batter Pile
2	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
3	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
4	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
5	Steel	Pile Bent	5' 8"		10"	9 5/8"	Vertical
6	Steel	Pile Bent			10"	9 5/8"	Batter Pile

VERIFIED 5/23/12 J. FAULKNER

Title	Description
SUB P	SUB PIER 1,2& 3
Bridge No: 040060	Drawn By: G.R.R.
Date: 05/30/2008	File Name: S0130000842

Bridge Inspection Field Sketch

7" X 14" X 3/8" X 5/16" I - BM. **SPAN 4** **BM. ADDED TO RT. SIDE**

Deck Width/Out to Out	30.500ft	Between Rails	29.917ft
Clear Roadway	29.25ft	Wearing Surface	0.167ft
Median Width		Median Height	
Curb Height		Left	0.583ft
Sidewalk Width		Right	0.583ft
Clear Roadway (Rail to Median)		Left	
Guardrail Width		Right	
Top of Rail to Deck/Wearing Surface		Left	2.583ft
Bridge Rail		Right	2.583ft
		Left	Type 23
		Right	Type 23



Measurements for Span #	4		
Deck Thickness	0.312	Left Overhang	1.083
Top of Rail to Bottom of Beam	4.417	Right Overhang	0.833

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	1.375ft	
2	Steel I Beam	1.375ft	
3	Steel I Beam	1.375ft	
4	Steel I Beam	1.375ft	
5	Steel I Beam	1.375ft	
6	Steel I Beam	1.375ft	
7	Steel I Beam	1.375ft	
8	Steel I Beam	1.375ft	
9	Steel I Beam	1.375ft	
10	Steel I Beam	1.375ft	
11	Steel I Beam	1.375ft	
12	Steel I Beam	1.375ft	
13	Steel I Beam	1.375ft	
14	Steel I Beam	1.375ft	
15	Steel I Beam	1.375ft	
16	Steel I Beam	1.375ft	
17	Steel I Beam	1.375ft	
18	Steel I Beam	1.375ft	
19	Steel I Beam	1.375ft	
20	Steel I Beam	1.375ft	
21	Steel I Beam	1.00ft	
22	Steel I Beam		

Title
TS 4

Description

SPAN 4 **VERIFIED 5/23/12 DWELBORN**

Bridge No: 040060

Drawn By: DCW

Date: 5/24/2010

File Name: S0126001833



LOOKING EAST



LOOKING DOWNSTREAM



LOOKING UPSTREAM



LOOKING UPSTREAM



LOOKING DOWNSTREAM



LOOKING WEST



BOTTOM VIEW LOOKING WEST



BOTTOM VIEW SPAN 4 LOOKING EAST