



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMPORARY REPAIR... ABUT. (A) ABUTMENT

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY SURRY BRIDGE NUMBER 850203 INSPECTION CYCLE 2 YRS
ROUTE SR1338 ACROSS RAMEY CREEK M.P. 0

LOCATION .1 MI.S.JCT.SR1408

SUPERSTRUCTURE STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS&INT.BT:TIMBER CAPS/TIMBER POST&CONCRETE SILLS

SPANS 1 @ 50'-3;1 @ 30'-3

LONGITUDE 80° 51' 22.2"

LATITUDE 36° 30' 20.6"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 10/05/2011

OPERATING RATING

PRESENT POSTING SV 22 TTST 29 SV 22 TTST 29

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELINEATORS



SOUTH TO NORTH

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

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA		BRIDGE	850203	SUFFICIENCY RATING =		57	
(8) STRUCTURE NUMBER(FEDERAL)		000000001710203		STATUS =		Not Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON		31013380					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	171	(4) PLACE CODE	00000	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - RAMEY CREEK				(104)HIGHWAY SYSTEM		Is not on NHS 0	
(7) FACILITY CARRIED SR1338				(26) FUNCTIONAL CLASS - Local		09	
(9) LOCATION .1 MI.S.JCT.SR1408				(100)STRAHNET HIGHWAY - Not a STRAHNET Route		0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE - No Parallel Structure		N	
(16)LAT	36° 30' 20.3"	(17)LONG	80° 51' 20.8"	(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 Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE		5	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		7	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		5	
(45) NUMBER OF SPANS IN MAIN UNIT		2		(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE - 6		CODE					
(108)WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE -		CODE					
(B) TYPE OF MEMBRANE -		CODE					
(C) TYPE OF DECK PROTECTION -		CODE					
AGE AND SERVICE				LOAD RATING AND POSTING			
(27) YEAR BUILT		1968		(31) DESIGN LOAD Other or Unknown		0	
(106)YEAR RECONSTRUCTED				(63) OPERATING RATING METHOD - Load Factor			
(42) TYPE OF SERVICE : ON - Highway				(64) OPERATING RATING - HS-19		135	
UNDER - Waterway		CODE	15	(65) INVENTORY RATING METHOD - Load Factor			
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE				(66) INVENTORY RATING - HS-12		121	
(29) AVERAGE DAILY TRAFFIC		660		(70) BRIDGE POSTING - Posting Required		0	
(30) YEAR OF ADT 2008		(109) TRUCK ADT PCT	6%	(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
(19) BYPASS OR DETOUR LENGTH		9 MI		DESCRIPTION - Posted for Load			
GEOMETRIC DATA				APPRAISAL			
(48) LENGTH OF MAXIMUM SPAN		49 FT		(67) STRUCTURAL EVALUATION		5	
(49) STRUCTURE LENGTH		81 FT		(68) DECK GEOMETRY		4	
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT				(69) UNDERCLEARANCES,VERTI & HORIZ		N	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		24 FT		(71) WATERWAY ADEQUACY		7	
(52) DECK WIDTH OUT TO OUT		24.2 FT		(72) APPROACH ROADWAY ALIGNMENT		7	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT		(36) TRAFFIC SAFETY FEATURES		0000	
(33) BRIDGE MEDIAN - No Median		CODE	0 FT	(113)SCOUR CRITICAL BRIDGES		U	
(34) SKEW 0°		(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT					
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		24 FT					
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT					
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		000.0 FT					
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT					
(56) MIN LAT UNDERCLEAR LT REF -		000 FT					
NAVIGATION DATA				PROPOSED IMPROVEMENTS			
(38) NAVIGATION CONTROL - No Navigational Control		CODE	0	(75) TYPE OF WORK -		CODE	
(111)PIER PROTECTION -		CODE		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(39) NAVIGATION VERTICAL CLEARANCE		0		(94) BRIDGE IMPROVEMENT COST			
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT		(95) ROADWAY IMPROVEMENT COST			
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT		(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT 1320		(115) YEAR FUTURE ADT	2025
INSPECTIONS							
(90) INSPECTION DATE						10/05/2011	
(92) CRITICAL FEATURE INSPECTION :				(93) CFI DATE			
A) FRACTURE CRIT DETAIL - NO				A)			
B) UNDERWATER INSP - YES 48Mo				B)		08/01/2009	
C) OTHER SPECIAL INSP NO				C)			
SCOUR							

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

COUNTY : SURRY	DIVISION : 11	DISTRICT : 1	STRUCTURE NUMBER : 850203	LENGTH : 81	FEET
ROUTE CARRIED : SR1338		FEATURE INTERSECTED : RAMEY CREEK			
LOCATED : .1 MI.S.JCT.SR1408		BRIDGE NAME :		CITY :	
FUNC. CLASS : 09	SYST.ON : NFA	SYST.UNDER : NFA	ADT & YR : 660 2008	RAIL TYPE : LT 233 RT 233	
BUILT : 1968	BY : BMU	PROJ :	FED.AID PROJ :	DESIGN LOAD : Other or Unknown	
REHAB :	BY :	PROJ :	ALIGNMENT : TAN	SKEW : 90	LANES : ON 2 UNDER
NAVIGATION : VC 0 FT		HC 0 FT	HT. CRN. TO BED : 14 FT	WATER DEPTH : 2 FT	
SUPERSTRUCTURE : STEEL PLANK FLOOR ON I-BEAMS					
SUBSTRUCTURE : E.BTS&INT.BT:TIMBER CAPS/TIMBER POST&CONCRETE SILLS					
SPANS : 1 @ 50'-3;1 @ 30'-3					
BEAMS OR GIRDERS : SPN1:10 LNS.21 I-BEAMS;SPN2:10 LNS.16 I-BEAMS @ 2'-7 CTS.					
FLOOR :		ENCROACHMENT :		DECK (OUT TO OUT) : 24.2 FT	
CLEAR ROADWAY : 24 FT		BETWEEN RAILS : 24.5 FT		SIDEWALK OR CURB : LT .3 FT RT .3 FT	
VERT.CL.OVER : 999.9 FT					
INV.RTG. : HS-12	OPE.RTG. : HS-19	CONTR.MEMBER : Ext. bmsSpB	POSTED : SV 22	TTST 29	DATE 09/25/2008
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. 850203 COUNTY SURRY ROUTE SR1338 OVER RAMEY CREEK
 STRUCTURE TYPE STEEL PLANK FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1 @ 50'-3;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	F	
					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			50. APPROACH ROADWAY CONDITION			G
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK	2	G	52. PAINT SYSTEM CODE A			P
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER			55. ESTIMATED REMAINING LIFE			25
	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)			7
	d. STANDARD JOINTS			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	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	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		7	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			R
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		G	USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING		G	SNOOPER (CODE S, 4, OR N)	HRS	NO	
	c. BULKHEADS, WING'S, & TIE BACKS		G	LADDER		NO	
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS			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		F				
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)							
40. FENDER SYSTEMS				80. INSPECTED BY:			
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 MAX FORD			
Assisted By RAP			
Item No.	Grade		
10	F	PEELING PAINT, RUST AND SCALE BUILD UP ALONG EXTERIOR BEAMS IN BOTH SPANS WITH (+/- 1/16 INCH) PITTING... SEE SKETCH	
10A	NO	INTERIOR BEAM ENDS PRIMED AT ABUT. (B) NO CURVED GIRDERS...	
52	P	RUST AND SCALE ON BEAM ENDS AT PIER, AND ALONG EXTERIOR BEAMS IN BOTH SPANS... SEE SKETCH	
36e	F	PAINT SYSTEM HAS FAILED IN THESE AREAS... REPAIR UNDERMINED AT (SW) CORNER OF ABUT. (A)...	
45b	F	CREEK IS DIRECTED INTO AND ALONG ABUT. (A)... SCOUR IN THIS AREA...	
45c	F	UNDERMINING ALONG LT. END OF REPAIR AT ABUT. (A)... SEE SKETCH... ABUTMENT IS STABLE AT THIS TIME...	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850203

County SURRY

Date: 10/05/2011

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3342	Clean and Paint Structural Steel	SF	230	RUST AND SCALE ON BEAM ENDS AT PIER... SEE SKETCH	
3344	Repair / Replace Timber Substructure Components	LF	4	PEELING PAINT, RUST AND SCALE BUILD UP ALONG EXTERIOR BEAMS IN BOTH SPANS WITH (+/- 1/16 INCH) PITTING... SEE SKETCH UNDERMINING ALONG LT. END OF REPAIR AT ABUT. (A)... SEE SKETCH... ABUTMENT IS STABLE AT THIS TIME...	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



UNDERMINING ALONG LT. END OF REPAIR AT ABUT. (A)... SEE SKETCH... ABUTMENT IS STABLE AT THIS TIME...



PEELING PAINT, RUST AND SCALE BUILD UP ALONG EXTERIOR BEAMS IN BOTH SPANS WITH (+/- 1/16 INCH) PITTING... SEE SKETCH



RUST AND SCALE ON BEAM ENDS AT PIER... SEE SKETCH

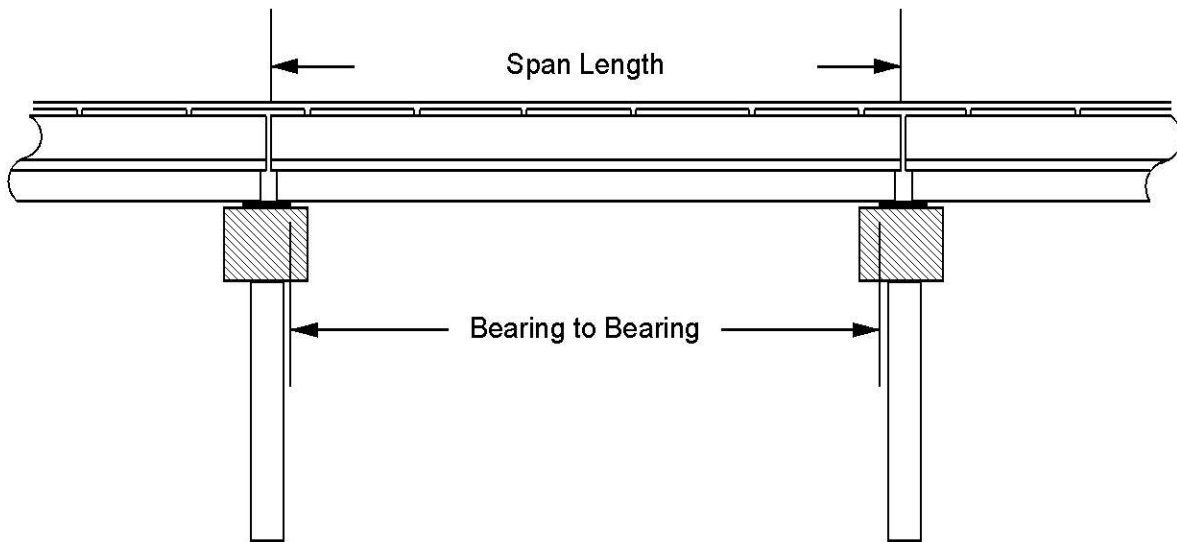


INTERIOR BEAM ENDS PRIMED AT ABUT. (B)

Structure Data Worksheet

Spans

County: SURRY Structure No: 850203 Date: 10/05/2011 Inspected By: MF



Span No	Span Length	Bearing to Bearing	Comments
1	50.25	49.25 ft.	
2	30.25	29.25 ft.	FACE OF ABUT. CAP TO FACE OF ABUT. CAP = 78

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 850203 County: SURRY Date: 10/05/2011 By: MF

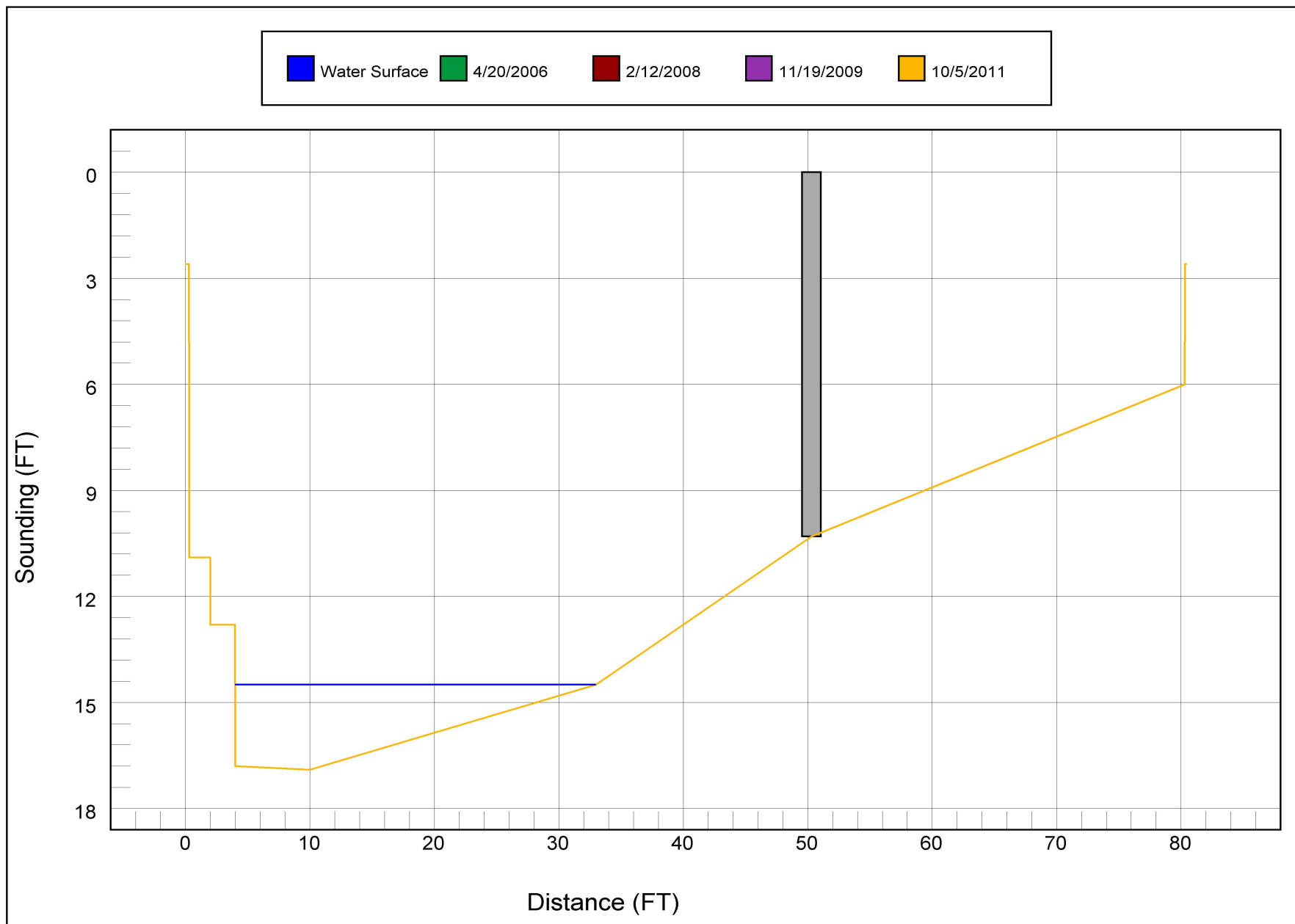
Record sounding from top of rail. Other location if needed: _____

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	2.6	TOP OF FILLFACE			
0.28	2.6	TOP OF FILLFACE			
0.29	4.8	TOP OF CAP			
0.3	10.9	TOP OF ENC	0.3	11	FACE OF ABUT
1.99	10.9	TOP OF ENC			
2	12.8	TOP OF FTG			
3.98	12.8	TOP OF FTG			
3.99	14.5	WSWE			
4	16.8	FACE OF FTG			
10	16.9	BED FLOW WEST			
33	14.5	WSWE			
50.3	10.3	PIER	50.3	11.8	PIER
80.3	6	FACE OF ABUT	80.3	7.1	FACE OF ABUT
80.31	4.8	TOP OF CAP			
80.32	2.6	TOP OF FILLFACE			
80.5	2.6	TOP OF FILLFACE			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)

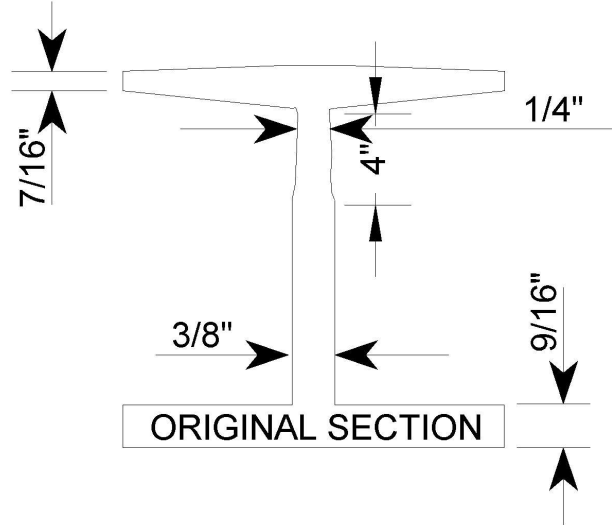


Bridge Inspection Field Sketch

VERIFIED 10/5/11 R.A. PIERCE, M. FORD

SECT. LOSS ON SPAN # 1 EXTERIOR BMS.

LOSS EXTENDS FULL LENGTH ALONG TOP FLANGES



SECT. LOSS ON ALL SPAN # 2 BMS.

LOSS EXTENDS FULL LENGTH OF EXTERIOR BMS.

AND 4' BACK FROM END OF INTERIOR BMS.

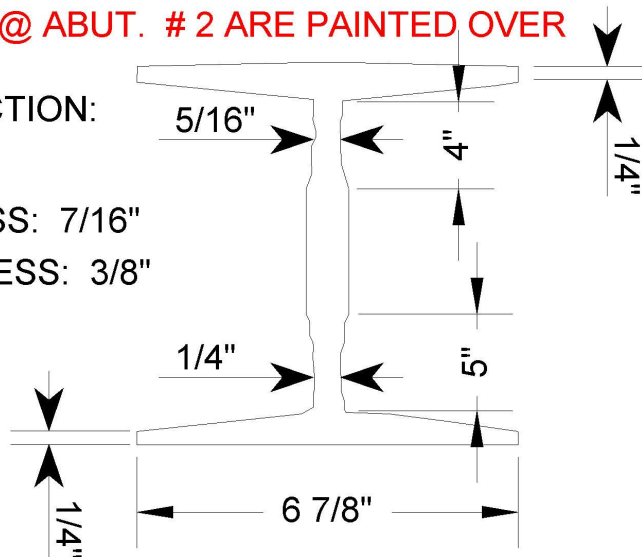
BM. ENDS @ ABUT. # 2 ARE PAINTED OVER

ORIGINAL SECTION:

7" X 16"

FL. THICKNESS: $7/16"$

WEB THICKNESS: $3/8"$



SCALE: N.T.S.

Title

SECT. LOSS 1

Description

EXTERIOR BMS.

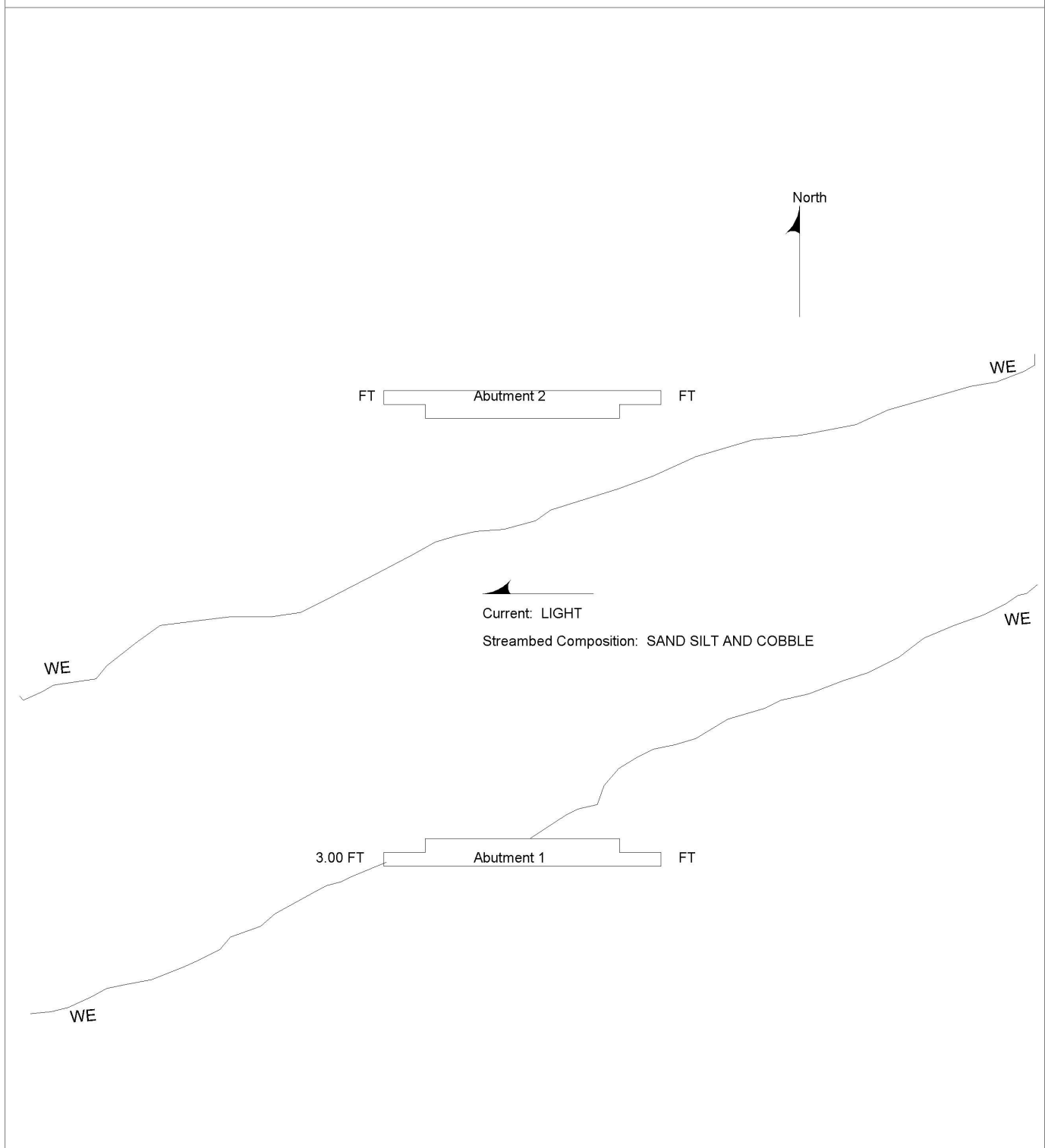
Bridge No: 850203

Drawn By: RAP

Date: 2/8/2008

File Name: S0138002602

Bridge Inspection Field Sketch



Title		Description	
PLAN VIEW		PLAN VIEW	
Bridge No: 850203	Drawn By: JOHN HOUSTON	Date: 08/03/2009	File Name: S0150000107

Bridge Inspection Field Sketch

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S.R. 1338

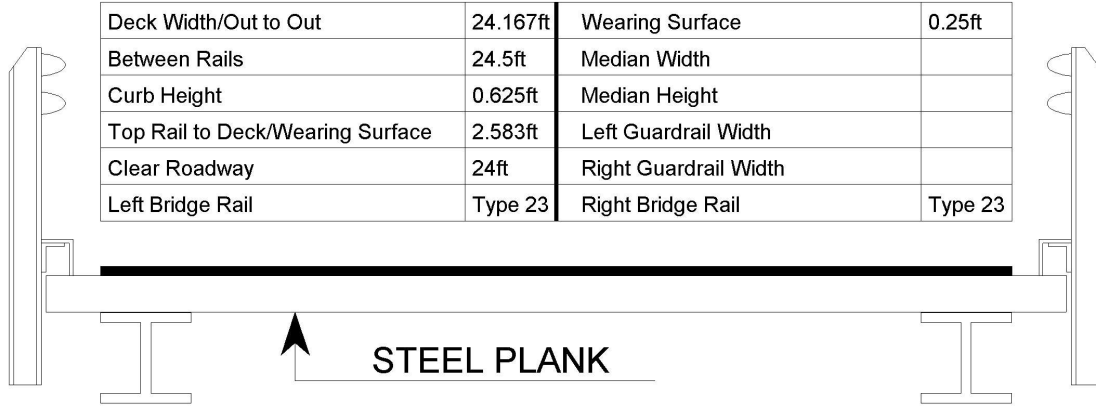
LOOKING NORTH

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

Title APPR. RDWY.		Description APPR. RDWY. FOR S.R. 1338	
Bridge No: 850203	Drawn By: RAP	Date: 04/20/2006	File Name: S0138001099

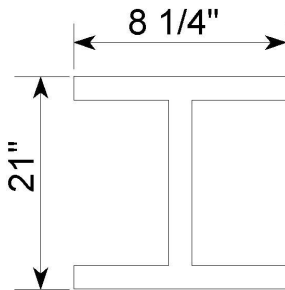
Bridge Inspection Field Sketch

VERIFIED 10/5/11 R.A. PIERCE, M. FORD

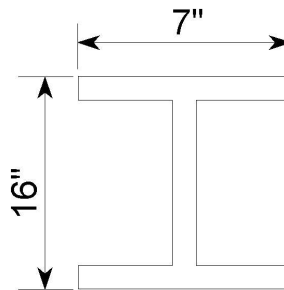


Measurements for Span #	1		
Deck Thickness	0.167	Left Overhang	0.5
Top of Rail to Bottom of Beam	4.75	Right Overhang	0.5

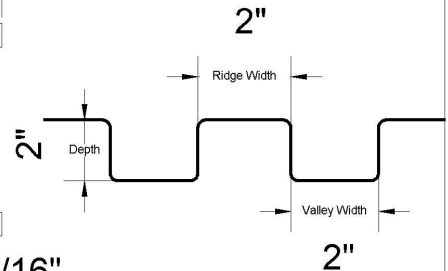
Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.583ft	
2	Steel I Beam	2.583ft	
3	Steel I Beam	2.583ft	
4	Steel I Beam	2.583ft	
5	Steel I Beam	2.583ft	
6	Steel I Beam	2.583ft	
7	Steel I Beam	2.583ft	
8	Steel I Beam	2.583ft	
9	Steel I Beam	2.583ft	
10	Steel I Beam		



FLANGE THICKNESS: 9/16"
 WEB THICKNESS: 3/8"
 SPAN # 1 BMS.



FLANGE THICKNESS: 7/16"
 WEB THICKNESS: 5/16"
 SPAN # 2 BMS.



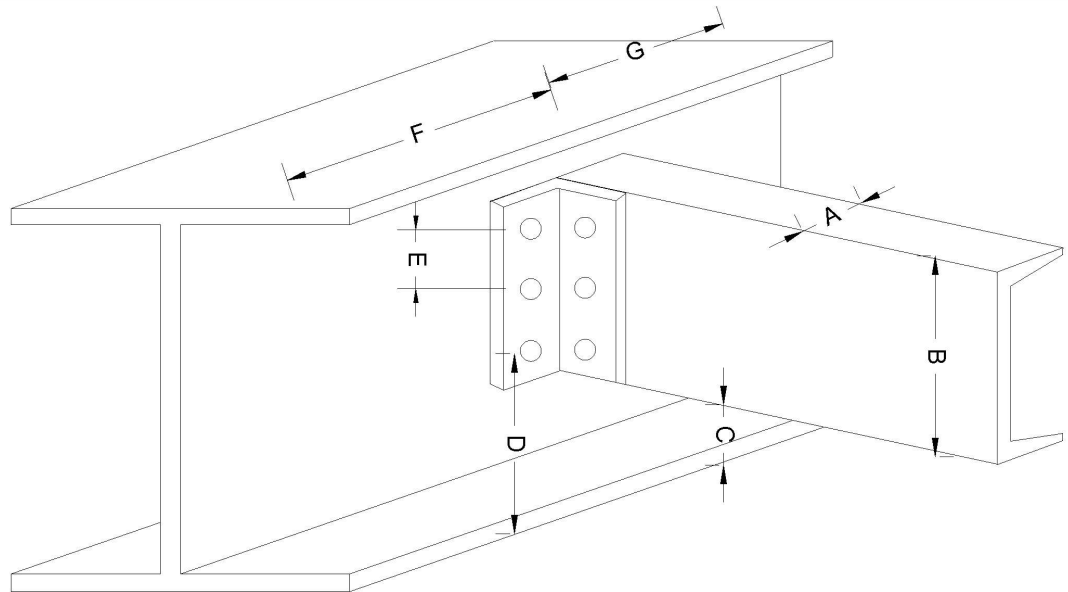
Title		Description	
SUPER.		DECK SECTION	
Bridge No: 850203	Drawn By: RAP	Date: 04/20/2006	File Name: S0138001100

Bridge Inspection Field Sketch

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SPAN: 1&2

LOCATION: 1/3 POINTS



3 BOLTS

SPAN	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	BOLT SIZE
1	2 5/8"	10"	3"	5 1/2"	2 1/2"	16' - 8"	16' - 8"	3/4"
2	2 5/8"	10"	3"	5 1/2"	2 1/2"	10'	10'	3/4"

Title

DIAPH.

Description

DIAPH.

Bridge No: 850203

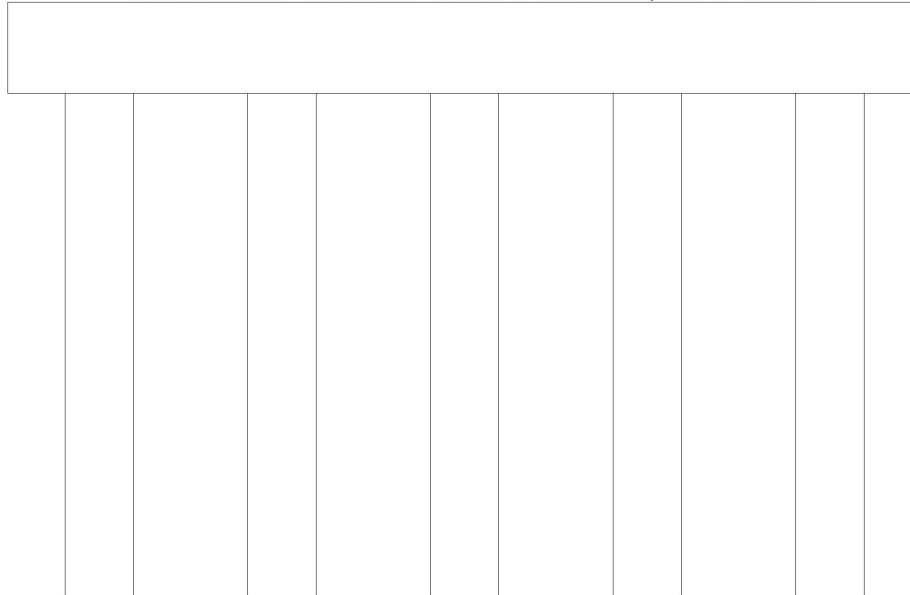
Drawn By: RAP

Date: 04/20/2006

File Name: S0138001101

Bridge Inspection Field Sketch

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Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	25.167ft Long	1ft Wide	0.979ft High
Left Overhang	0.917ft	Lt Cap/Beam Overhang	0.917ft
Right Overhang	0.917ft	Rt Cap/Beam Overhang	0.917ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.833		1		Vertical
2	Wood or Timber	Pile Bent	5.833		1		Vertical
3	Wood or Timber	Pile Bent	5.833		1		Vertical
4	Wood or Timber	Pile Bent	5.833		1		Vertical
5	Wood or Timber	Pile Bent			1		Vertical

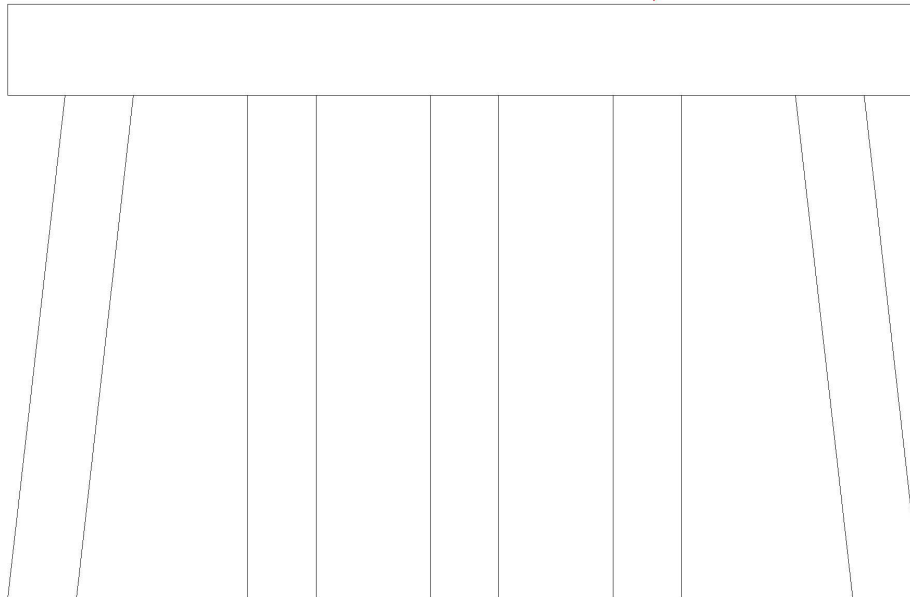
ABUT. # 2 BM. OUT SAME AS ABUT. # 1

PILES ENC. IN CONC.

Title		Description	
SUBST.		ABUTS.	
Bridge No:	850203	Drawn By:	BGRAP
Date:	04/20/2006	File Name:	S0138001102

Bridge Inspection Field Sketch

VERIFIED 10/5/11 R.A. PIERCE, M. FORD



Bent #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	25ft Long	1ft Wide	0.979ft High
Left Overhang	1.417ft	Lt Cap/Beam Overhang	1.667ft
Right Overhang	1.417ft	Rt Cap/Beam Overhang	1.667ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.833		1		Batter Pile
2	Wood or Timber	Pile Bent	5.25		1		Vertical
3	Wood or Timber	Pile Bent	5.25		1		Vertical
4	Wood or Timber	Pile Bent	5.833		1		Vertical
5	Wood or Timber	Pile Bent			1		Batter Pile

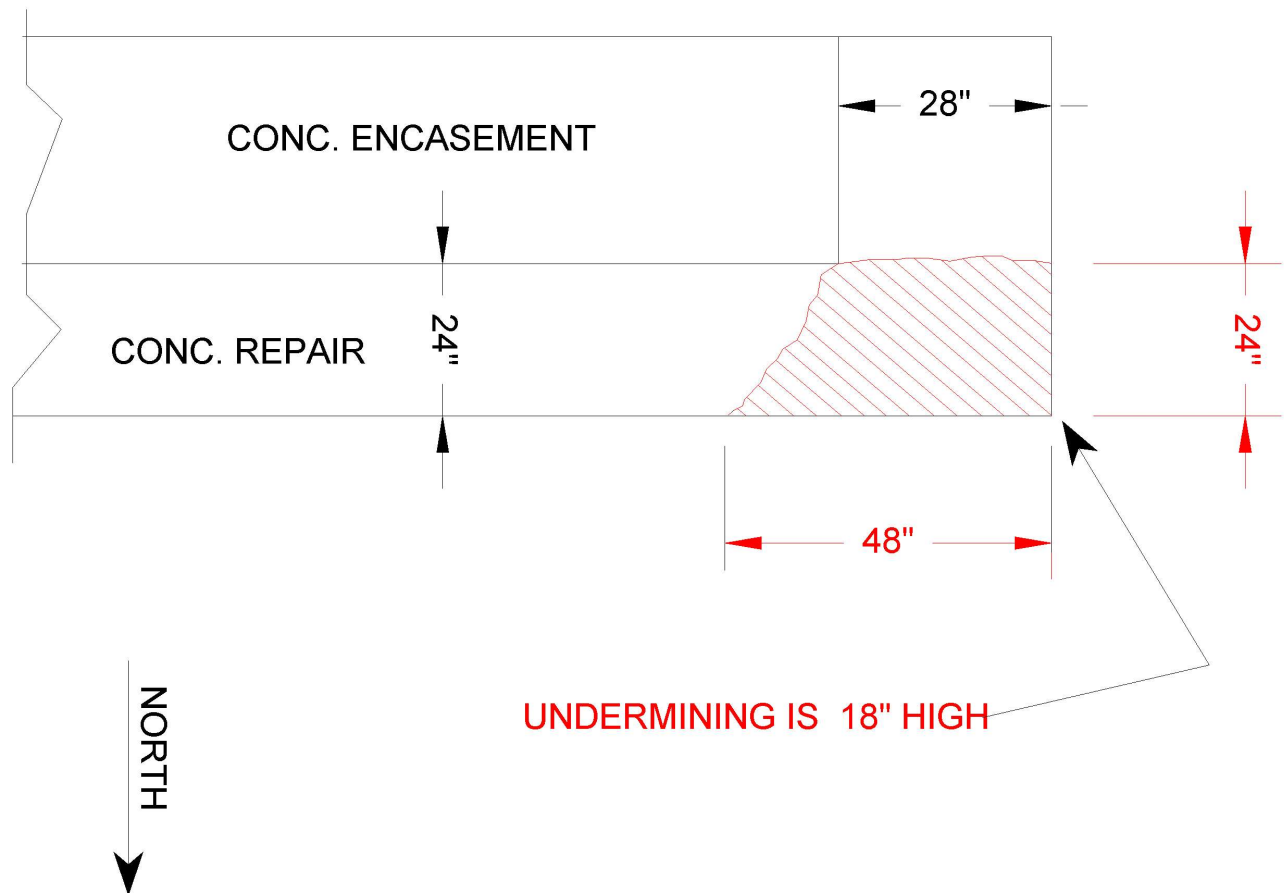
PILES ENC IN CONC.

Title		Description	
SUBST. 2		PIER	
Bridge No: 850203	Drawn By: RAP	Date: 04/20/2006	File Name: S0138001103

Bridge Inspection Field Sketch

VERIFIED 10/5/11 R.A. PIERCE, M. FORD

TOP VIEW OF SCOUR @ (SW) CORNER



SCALE: N.T.S.

Title		Description	
SCOUR		SCOUR @ (SW) CORNER	
Bridge No: 850203	Drawn By: RAP	Date: 04/20/2006	File Name: S0138001104



SOUTH TO NORTH



UPSTREAM



DOWNSTREAM



LOOKING SOUTH



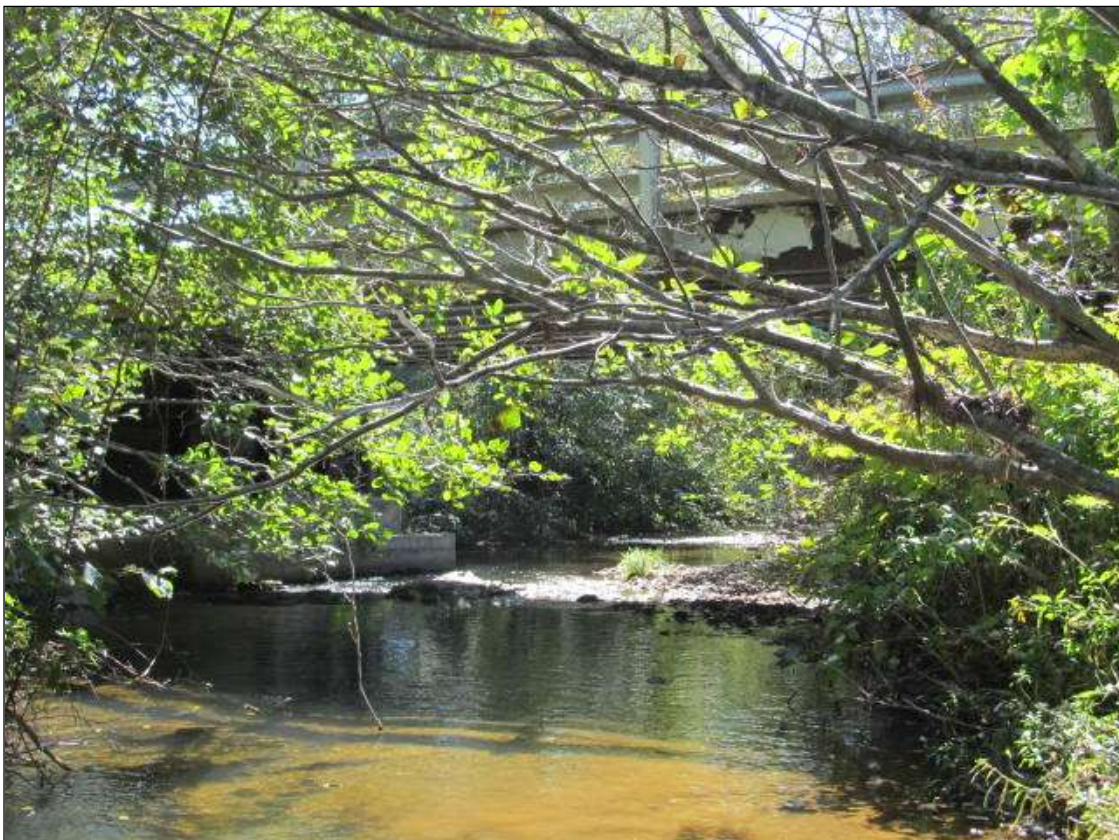
WEST PROFILE



ABUT. (A)



SOUTH FACE OF PIER



EAST PROFILE



ABUT. (B)