



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

SIGN NOTICE ISSUED 10/19/2010
CHANGES TO STRUCTURE DATA

BRIDGE INSPECTION REPORT

INSPECTION TYPE: 2 Year Complete Underwater and Topside

COUNTY COLUMBUS BRIDGE NUMBER 230075 INSPECTION CYCLE 2 YRS
ROUTE SR1006 ACROSS CREEK M.P. 0

LOCATION 0.1 MI E JCT SR1141

SUPERSTRUCTURE RC FLOOR ON I-BEAMS

SUBSTRUCTURE EBTS&BT:RC CAP/TIMBER PILES @ 7'4CTS.

SPANS 1@18'8;1@18'4

LONGITUDE 78° 43' 5.4"

LATITUDE 34° 7' 1.7"

PRESENT CONDITION POOR

INVENTORY RATING

INSPECTION DATE 10/18/2010

OPERATING RATING

PRESENT POSTING SV 17 TTST 24

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT



LOOKING EAST

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

<u>No</u>	WEIGHT LIMIT	<u></u>
<u>Yes</u>	DELINEATORS	<u>1</u>
<u>No</u>	NARROW BRIDGE	<u></u>
<u>No</u>	ONE LANE BRIDGE	<u></u>
<u>No</u>	LOW CLEARANCE	<u></u>



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

SIGN NOTICE ISSUED 10/19/2010
CHANGES TO STRUCTURE DATA

UNDERWATER BRIDGE INSPECTION REPORT

INSPECTION TYPE: 2 Year Complete Underwater and Topside

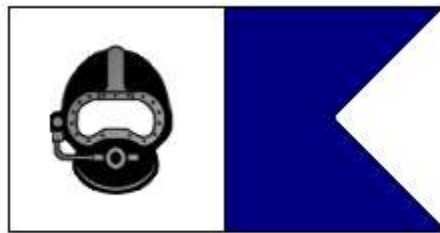
COUNTY COLUMBUS BRIDGE NUMBER 230075 INSPECTION CYCLE 2 YRS

ROUTE SR1006 ACROSS CREEK

Inspection Date 10/18/2010 Inspected By WILLIAM MUELLER

Type Work Performed

Man Hours (Spec. Work Only)



EQUIPMENT USED

COMPRESSOR	☐	WET SUIT	☐	COMMUNICATION - AMRON	☐
SCUBA	☐	DRY SUIT	☒	COMMUNICATION OTS	☐
LIGHTS	☒	ROPE	☐	UNDERWATER PHOTOS TAKEN	☐
BOAT	☐	CONSTRUCTION EQUIPMENT	☐		

DATE	DIVER	CURRENT	VISIBILITY	METEOROLOGY	DEPTH	DIVE TIME
10/18/2010	LJH	NONE	1.0'	82 DEG/CLEAR	4.4'	40 MIN.

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL Run Date: 11/23/2010

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA		BRIDGE	230075	SUFFICIENCY RATING =		35.9	
(8) STRUCTURE NUMBER(FEDERAL)			000000000470075	STATUS =		Structurally Deficient	
INVENTORY ROUTE (ON/UNDER) - ON			131010060				
(2) STATE HIGHWAY DEPARTMENT DISTRICT			6				
(3) COUNTY CODE	47	(4) PLACE CODE	00000	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - CREEK				(104)HIGHWAY SYSTEM		NON NHS Route	
(7) FACILITY CARRIED SR1006				(26) FUNCTIONAL CLASS -		Minor Collector	
(9) LOCATION 0.1 MI E JCT SR1141				(100)STRAHNET HIGHWAY -		Not a STRAHNET Route	
(11)MILEPOINT			0	(101)PARALLEL STRUCTURE -		No Parallel Structure	
(16)LAT	34° 7' 1.7"	(17)LONG	78° 43' 5.4"	(102)DIRECTION OF TRAFFIC -		2-way Traffic	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -		Not Temporary	
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -		Not Part of	
				(20) TOLL		Toll Bridge	
				(31) MAINTAIN -		State Highway Agency	
				(22) OWNER -		State Highway Agency	
				(37) HISTORICAL SIGNIFICANCE -		Not Eligible	
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) STRUCTURE TYPE MAIN: Steel				(58) DECK		6	
TYPE -	Stringer Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE		4	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		5	
TYPE -		CODE		(61) CHANNEL & CHANNEL PROTECTION		6	
(45) NUMBER OF SPANS IN MAIN UNIT			2	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE - Concrete cast-in-place		CODE	1				
(108)WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE - Bituminous		CODE	6				
(B) TYPE OF MEMBRANE - None		CODE	0				
(C) TYPE OF DECK PROTECTION - None		CODE	0				
				LOAD RATING AND POSTING			
(27) YEAR BUILT			1950	(31) DESIGN LOAD		H 10	
(106)YEAR RECONSTRUCTED				(64) OPERATING RATING -		HS-15	
(42) TYPE OF SERVICE : ON - Highway				(66) INVENTORY RATING -		HS-9	
UNDER - Waterway		CODE	15	(70) BRIDGE POSTING -		Posting Required	
(28) LANES: ON STRUCTURE		2 UNDER STRUCTURE		(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
(29) AVERAGE DAILY TRAFFIC			460	DESCRIPTION -		Posted for Load	
(30) YEAR OF ADT 2009		(109) TRUCK ADT PCT	6 %				
(19) BYPASS OR DETOUR LENGTH			2 MI				
GEOMETRIC DATA				APPRAISAL			
(48) LENGTH OF MAXIMUM SPAN			19 FT	(67) STRUCTURAL EVALUATION		4	
(49) STRUCTURE LENGTH			37 FT	(68) DECK GEOMETRY		4	
(50)CURB OR SIDEWALK: LEFT		0.8 FT RIGHT	0.8 FT	(69) UNDERCLEARANCES,VERTI & HORIZ		N	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			24.0 FT	(71) WATERWAY ADEQUACY		7	
(52) DECK WIDTH OUT TO OUT			25.3 FT	(72) APPROACH ROADWAY ALIGNMENT		8	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			18.0 FT	(36) TRAFFIC SAFETY FEATURES		0000	
(33) BRIDGE MEDIAN - No Median		CODE	0	(113)SCOUR CRITICAL BRIDGES		U	
(34) SKEW 0° (35) STRUCTURE FLARED			NO	SCOUR PLAN OF ACTION		Z	
(10) INVENTORY ROUTE MIN VERT CLEAR		99 FT 99 IN					
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		24.0 FT					
(53) MIN VERT CLEAR OVER BRIDGE RDWY		99 FT 99 IN					
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad							
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		99.9 FT					
(56) MIN LAT UNDERCLEAR LT REF -		0.0 FT					
NAVIGATION DATA				PROPOSED IMPROVEMENTS			
(38) NAVIGATION CONTROL - No Navigational Control		CODE	0	(75) TYPE OF WORK -		CODE	
(111)PIER PROTECTION - Not Applicable		CODE		(76) LENGTH OF STRUCTURE IMPROVEMENT		0 FT	
(39) NAVIGATION VERTICAL CLEARANCE			0	(94) BRIDGE IMPROVEMENT COST			
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR				(95) ROADWAY IMPROVEMENT COST			
(40) NAVIGATION HORIZONTAL CLEARANCE			0	(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE		20	
				(114)FUTURE ADT		920	(115) YEAR FUTURE ADT
							2025
INSPECTIONS				INSPECTIONS			
(90) INSPECTION DATE				(90) INSPECTION DATE		10/18/2010	
(92) CRITICAL FEATURE INSPECTION :				(93) CFI DATE			
(39) NAVIGATION VERTICAL CLEARANCE			0	A) FRACTURE CRIT DETAIL -		NO	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR				B) UNDERWATER INSP -		YES 24Mo	
(40) NAVIGATION HORIZONTAL CLEARANCE			0	C) OTHER SPECIAL INSP		NO	
				SCOUR			

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE 2 Year Complete Underwater and Topside
 BRIDGE NO. 230075 COUNTY COLUMBUS ROUTE SR1006 OVER CREEK
 STRUCTURE TYPE RC FLOOR ON I-BEAMS
 ROUTE ORIENTATION W - E SPANS 1@18'8";1@18'4"

EVALUATION CODE: 0-2 CRITICAL, 3 & 4 POOR, 5 & 6 FAIR, 7-9 GOOD

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES				
1. WEARING SURFACE			6	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	5	
					b. ALIGNMENT	8	
					c. SCOUR	8	
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE		7	50. APPROACH ROADWAY CONDITION			6
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM CODE A			4
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE		7	54. RESPONSE TO LIVE LOAD			8
	b. TIMBER			55. ESTIMATED REMAINING LIFE			8
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			7				
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED			YES
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)			9
	d. STANDARD JOINTS	1	6	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)			8				
				70. SI&A GENERAL CONDITION RATINGS			
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59				a. DECK	ITEM 58	6	
10. LONGITUDINAL BEAMS OR GIRDERS			4	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	6	
13. END DIAP'S, CURTAIN WALLS, & CONN'S			5				
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			4	a. WATERWAY ADAQUACY		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			6	b. APPR. RDWY. ALIGNMENT		8	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			0
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		5	SNOOPER (CODE S, 4, OR N)		HRS	NO
	c. BULKHEADS, WING'S, & TIE BACKS		5	LADDER			NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		7	BUCKET TRUCK			NO
	b. ABUT. & BENT COL'S BREASTWALLS			BOAT			NO
	c. ABUT. & INT. BENT PILES			OTHER			NO
	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)							
40. FENDER SYSTEMS				80. INSPECTED BY:	Hill R. M. D.		
41. DRIFT			6	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 WILLIAM MUELLER			
Assisted By PGR,LJH			
Item No.	Grade		
1	6	ASPHALT WEARING SURFACE	
		SURFACE SHOWS SIGNS OF WEAR AND IS CRACKED AND LEAKING AT THE EXPANSION JOINT AT RANDOM LOCATIONS.	
2a	7	CONCRETE DECK	
		FEW AREAS OF SHALLOW HONEYCOMBING ON UNDERSIDE OF DECK.	
3a	7	CONCRETE RAILING	
		ROUGH AND WORN.	
6d	6	STANDARD JOINTS	
		JOINTS PREVIOUSLY RESEALED BUT LEAKING IN RANDOM LOCATIONS.	
10	4	STEEL BEAMS	
		MANY BEAMS HAVE AREAS OF MINOR SECTION LOSS IN THE BOTTOM FLANGES AT BENT 1 BEARING PADS MAX 1/8".	
		SPAN 1	
		BEAM 1 SOUTH FLANGE 1/4" DEEP X 4" LONG SECTION LOSS.(SEE SKETCH)	
		BEAM 2 NORTH FLANGE 1/4" DEEP X 3.5" LONG SECTION LOSS.(SEE SKETCH)	
		BEAM 2 SOUTH FLANGE EDGE HAS 1/8" REMAINING.	
		BEAM 7 NORTH FLANGE EDGE HAS 1/8" REMAINING.	
		BEAM 10 SOUTH FLANGE EDGE HAS 3/16" REMAINING.	
		BEAM 11 NORTH FLANGE EDGE HAS 1/8" REMAINING.	
		SPAN 2	
		BEAM 11 NORTH FLANGE EDGE IS TO A KNIFE'S EDGE.	
		BEAM 10 SOUTH FLANGE EDGE IS TO A KNIFE'S EDGE.	
		BEAM 10 NORTH FLANGE 1" DEEP X 3" LONG SECTION LOSS.(SEE SKETCH)	
		BEAM 2 SOUTH FLANGE EDGE HAS 1/8" REMAINING.	
		BEAM 2 NORTH FLANGE 1/4" DEEP X 6" LONG SECTION LOSS.(SEE SKETCH)	
13	5	END DIAPHRAGMS	
		SEVERAL END DIAPHRAGMS WITH AREAS OF SHALLOW HONEYCOMBING AND CHIPPING. THERE ARE SPALLS WITH EXPOSED REINFORCING IN END DIAPHRAGMS OF BAY 11 AT BENT 1 IN SPANS 1 AND 2.	
15	4	BEARING ASSEMBLIES	
		LONGITUDINAL BEAM BEARING PADS HAVE SECTION LOSS TO 1/8" THROUGHOUT THE TOP OF BENT 1.	
16	6	DRAINAGE	
		DOWNSPOUT MISSING AT THE WEST END OF BAY 1 IN SPAN 1.	
52	4	PAINT	
		FLAKING OF PAINT AND RUST ON LONGITUDINAL BEAMS, BEARINGS AND BEARING PLATES, THROUGHOUT.	

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 WILLIAM MUELLER			
Assisted By PGR,LJH			
Item No.	Grade		
35b	5	TIMBER PILES PILES EXHIBIT VERTICAL CHECKS TO 1/16", DELAMINATIONS TO 1/2", AND SURFACE SOFTNESS TO 1/4". RANDOM AREAS OF SPOT DECAY LOCATED NEAR WATERLINE. CONCRETE COLLAR IN PLACE AT P-3 BENT 1 TO 2.5' ABOVE MUDLINE. CONCRETE COLLARS AT P-1 & P-2 OF END BENT 2 ENDING 2" ABOVE MUDLINE.	
35c	5	TIMBER BULKHEADS WINGWALL AT THE NORTHWEST CORNER HAS PREVIOUSLY HAD TOP 4 BOARDS REPAIRED. REMAINING VISIBLE BULKHEADS AND WINGWALLS HAVE A FEW DECAYED BOARDS AND SOFT AREAS.	
36a	7	CONCRETE CAPS COARSE AGGREGATE EXPOSURE FROM WATERLINE DOWN.	
41	6	DRIFT DRIFT TO 2" DIAMETER SCATTERED THROUGHOUT WITH ACCUMULATIONS TO 2' ABOVE MUDLINE. 12" LOG IN SPAN 2 AGAINST BENT 1 NEAR M/L. DRIFT LOCATED DOWNSTREAM +/- 20 YDS. (SEE PHOTO)	
45a	5	WATERWAY HIGH WATER MARK LOCATED AT TOP OF CAPS. UPSTREAM WATERWAY OBSTRUCTED BY NUMEROUS FALLEN TREES. WATER LEVEL 3" UP ON CAP.	
45b	8	CHANNEL ALIGNMENT NO PROBLEMS NOTED.	
45c	8	SCOUR NO PROBLEMS NOTED.	
50	6	APPROACH ROADWAY WEST APPROACH EAST BOUND LANE SETTLED MAX 2". TRANSVERSE CRACK AT EAST APPROACH TO 1/8". APPROXIMATELY 1/2" OF SETTLEMENT AND CRACKING AT EAST AND WEST APPROACHES.	
60	YES	SIGN NOTICE ISSUED ISSUED 10/19/10, 1 DELINEATOR MISSING AT SOUTHWEST CORNER.	
62	YES	PRESENTLY POSTED SV 17 /TTST 24	
71b	8	ROADWAY ALIGNMENT NO PROBLEMS NOTED.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 230075

County COLUMBUS

Date: 10/18/2010

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	20	ASPHALT WEARING SURFACE ROUGH AND WORN WITH CRACKING	
3314	Maintain Steel Superstructure Components	LF	50	STEEL BEAM BEARING PLATES AND FLANGE EDGES RUSTING WITH SECTION LOSS AT BENT 1 BOTH SPANS	
3366	Drift and Debris Removal	HR	30	LOG IN SPAN 2 AGAINST BENT 1. SMALL DIAMETER DRIFT TO 2" MAX THROUGHOUT BOTH SPANS.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



TRASNVESSE CRACK AT EAST APPROACH TO 1/8"



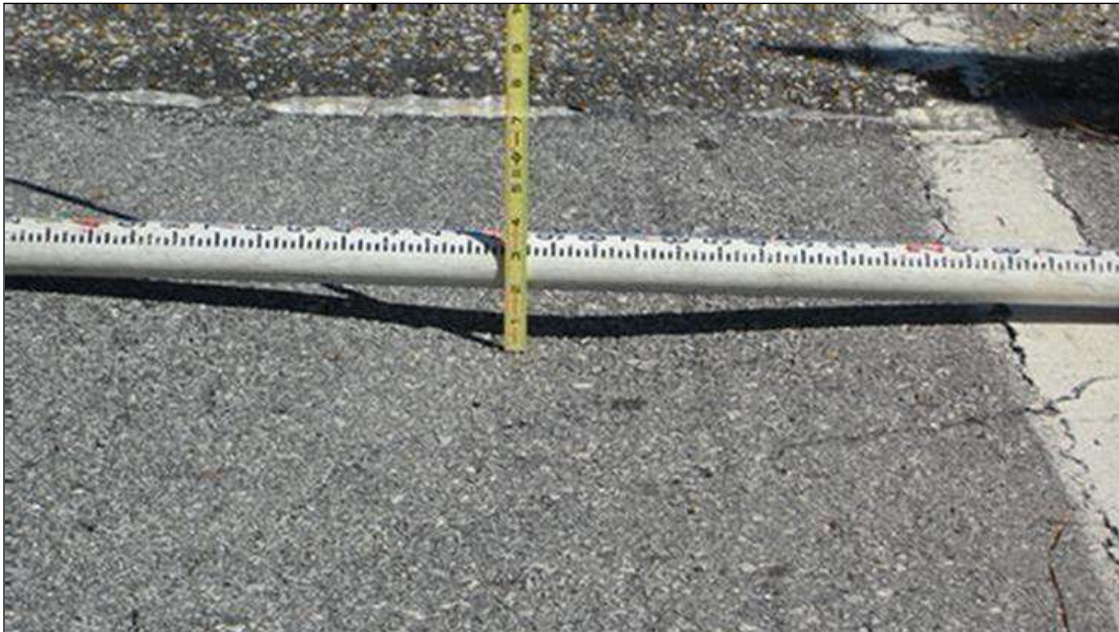
EAST TRANSITION CRACKED AND SETTLED



WEST TRANSITION CRACKED AND SETTLED



WEST APPROACH CRACKED AND SETTLED



WEST APPROACH SETTLED IN EAST BOUND LANE TO 2" MAX.



LOG BUILDUP DOWNSTREAM



EXPOSED AGGREGATE ON PILE CAP



RUST AND PAINT FLAKING AT EXTERIOR BEAM



SPAN 1 BEAM 1 SOUTH FLANGE SECTION LOSS



SPAN 1 BEAM 2 NORTH FLANGE SECTION LOSS



SPAN 2 BEAM 10 NORTH FLANGE SECTION LOSS



SPAN 2 BEAM 2 NORTH FLANGE SECTION LOSS



NORTHEAST EXTERIOR BULKHEAD BOARD 4 DECAYED END IN 3' X FULL WIDTH X 2" VERTICAL

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 11/23/2010

COUNTY :	DIV :	DIST :	STRUCTURE NUMBER :	LENGTH :	
COLUMBUS	6	3	230075	37	FEET
ROUTE CARRIED :		FEATURE INTERSECTED :			
SR1006		CREEK			
LOCATED :		BRIDGE NAME :		CITY :	
0.1 MI E JCT SR1141					
FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :	
08	NFA	NFA	460 2009	LT 241 RT 241	
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :	
1950	SHPWC			H 10	
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN.	90	ON 2 UNDER
NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :
VC	0.0	FT	HC	0.0	FT
				10	FT
					4
					FT
SUPERSTRUCTURE : RC FLOOR ON I-BEAMS					
SUBSTRUCTURE : EBTS&BT:RC CAP/TIMBER PILES @ 7'4CTS.					
SPANS : 1@18'8;1@18'4					
BEAMS OR GIRDERS : 12 LINES W12X16.5 I-BEAMS @ 2'2.5CENTERS					
FLOOR :		ENCROACHMENT :		DECK (OUT TO OUT) :	
5RC/1AWS				25.3 FT	
CLEAR ROADWAY :		BETWEEN RAILS :		SIDEWALK OR CURB :	
24.0 FT		25.5 FT		LT 0.8 FT RT 0.8 FT	
VERT.CL.OVER :		VERT.CL.UNDER :		HOR.CL.UNDER :	
99 FT 99 IN		00 FT 00 IN		0.0 FT	
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :		POSTED :	
HS-9	HS-15	BEAM INT.		SV 17 TTST 24 DATE 02/10/2009	
SYSTEM :				GREEN LINE ROUTE :	
Secondary S.R. Route				N	
2ND OPENING :		3RD OPENING :		4TH OPENING :	
				5TH OPENING :	
REMARKS :					

Structure Data Worksheet

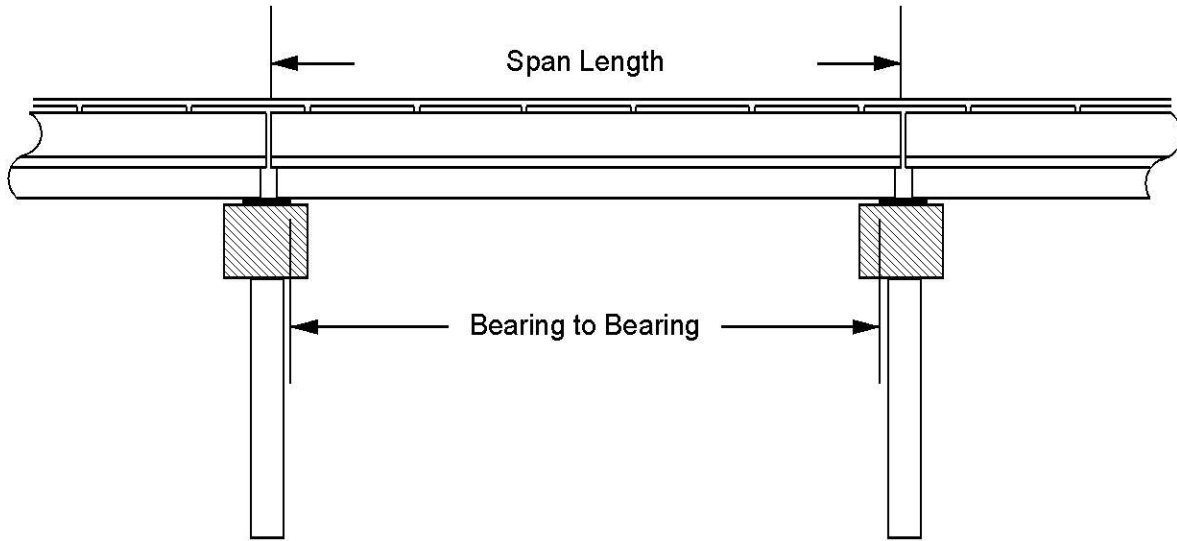
Spans

County: **COLUMBUS**

Structure No: **230075**

Date: **10/18/2010**

Inspected By: **WRM**



Span No	Span Length	Bearing to Bearing	Comments
1	17.80'	16.70'	*MEASUREMENTS TAKEN AT BEAM 1 SPAN 1
2	17.60'	16.65'	*MEASUREMENTS TAKEN AT BEAM 1 SPAN 2

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 230075 County: COLUMBUS Date: 10/18/2010 By: WRM

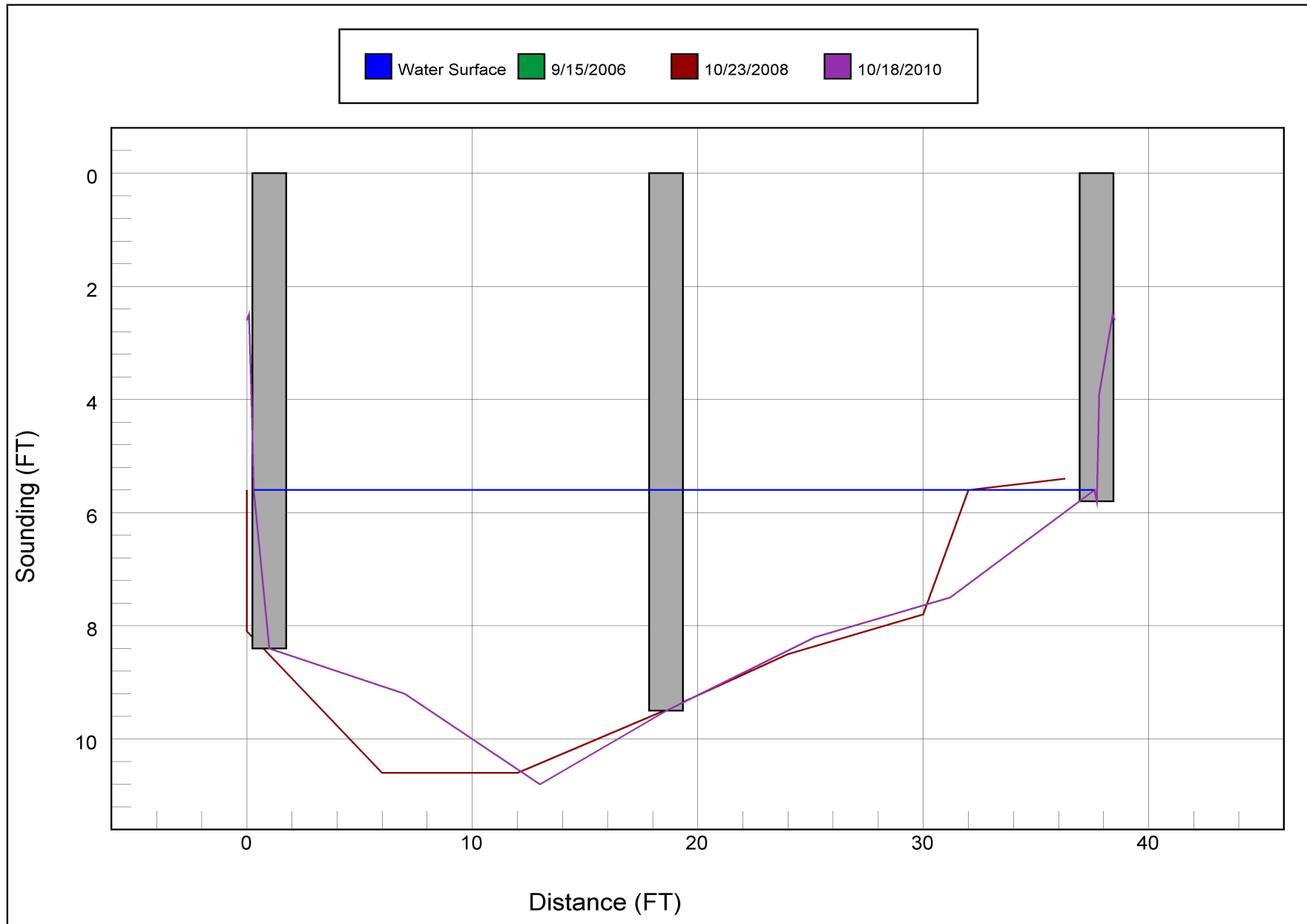
Record sounding from top of rail. Other location if needed: DOWNSTREAM END TOP OF RAIL

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	GROUND AT BULKHEAD			
0.1	2.5	TOP OF BULKHEAD			
0.2	3.9	Top of Cap			
0.3	5.6	Water Surface/Water Edge (WSWE)			
1	8.4	END BENT 1	1	7.2	END BENT 1
7	9.2				
13	10.8				
18.6	9.5	BENT 1	18.6	10	BENT 1
25.2	8.2				
31.2	7.5				
37.6	5.6	Water Surface/Water Edge (WSWE)			
37.7	5.8	END BENT 2	37.7	7.2	END BENT 2
37.8	3.9	Top of Cap			
38.4	2.5	TOP OF BULKHEAD			
38.5	2.6	GROUND AT BULKHEAD			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	18ft Wide	2 Paved Lanes	Looking East
Left Shoulder	8ft Wide		8ft Unpaved
Right Shoulder	8ft Wide		8ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY

Description

APPROACH ROADWAY

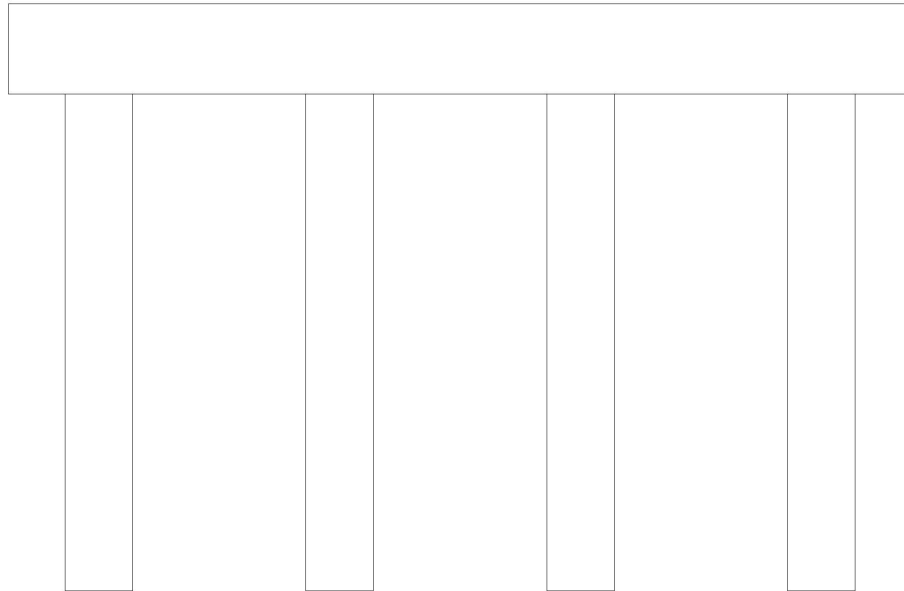
Bridge No: 230075

Drawn By: CAA

Date: 10/23/2008

File Name: S0326000098

Bridge Inspection Field Sketch



Bent #	1	End Bents 1 & 2 Similar	
Cap - Pre-Cast			
Cap Size	27ft Long	2ft Wide	2ft High
Left Overhang	2.5ft	Lt Cap/Beam Overhang	
Right Overhang	2.5ft	Rt Cap/Beam Overhang	

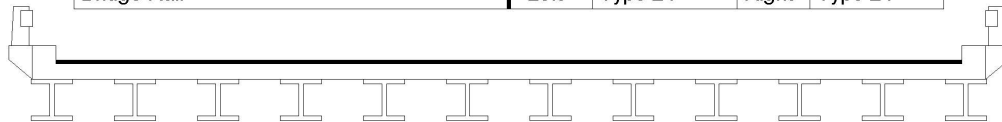
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Solid Pier	7.333ft		1ft		Vertical
2	Wood or Timber	Solid Pier	7.333ft		1ft		Vertical
3	Wood or Timber	Solid Pier	7.333ft		1ft		Vertical
4	Wood or Timber	Solid Pier			1ft		Vertical

NOTE: R.C. REPAIR JACKETS AT PILE 3, BENT 1 AND PILES 1 & 2, END BENT 2.

Title		Description	
SUBSTRUCTURE DETAILS		END BENTS 1 & 2 AND BENT 1	
Bridge No: 230075	Drawn By: SLK	Date: 10/23/2008	File Name: S0326000100

Bridge Inspection Field Sketch

Deck Width/Out to Out	25.333ft	Between Rails				25.5ft
Clear Roadway	24ft	Wearing Surface				0.083ft
Median Width		Median Height				
Curb Height		Left	0.667ft	Right	0.667ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	1.75ft	Right	1.75ft	
Top of Rail to Deck/Wearing Surface		Left	2.417ft	Right	2.417ft	
Bridge Rail		Left	Type 24	Right	Type 24	



Measurements for Span #	1 & 2		
Deck Thickness	0.417ft	Left Overhang	0.521ft
Top of Rail to Bottom of Beam	3.917ft	Right Overhang	0.521ft

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
2	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
3	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
4	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
5	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
6	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
7	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
8	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
9	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
10	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
11	Steel I Beam	2.208ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web
12	Steel I Beam	ft	12" Deep x 4" Wide w/ 1/4" Flanges and Web

Title

TYPICAL SECTION

Description

TYPICAL SECTION

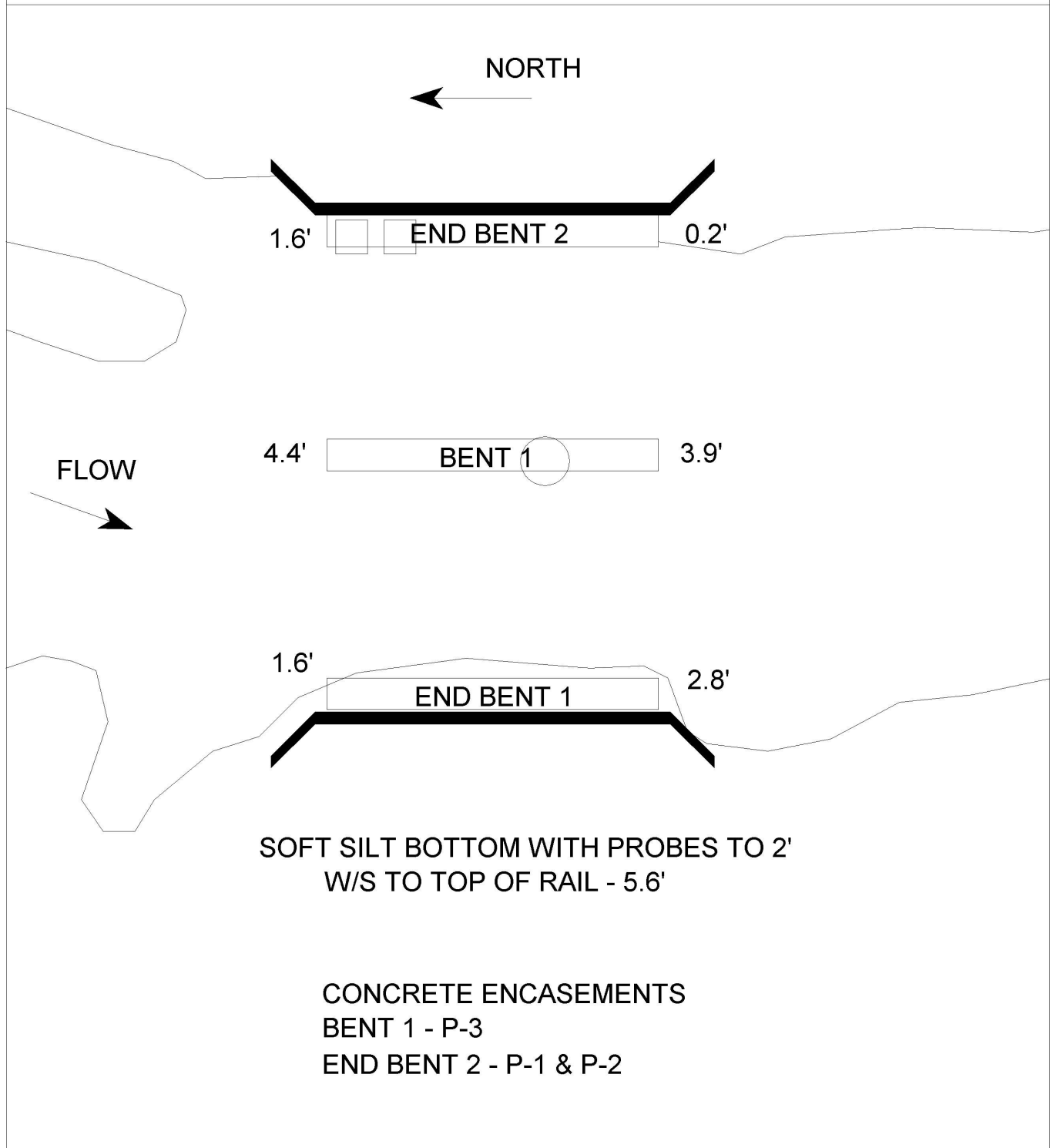
Bridge No: 230075

Drawn By: CAA

Date: 10/23/2008

File Name: S0326000099

Bridge Inspection Field Sketch



Title
PLAN VIEW

Description
CHANNEL OVERVIEW

Bridge No: 230075

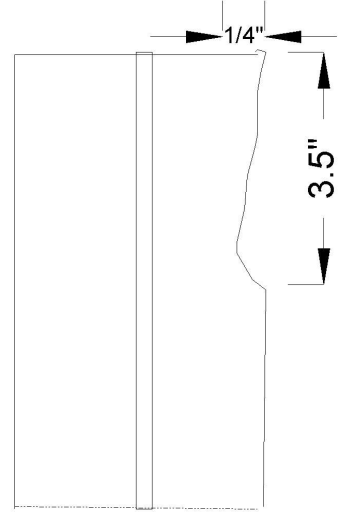
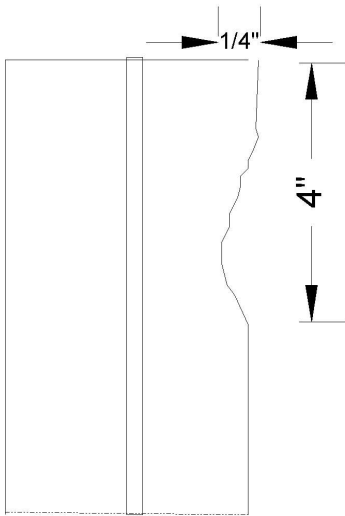
Drawn By: WRM

Date: 3/26/2009

File Name: S0174012514

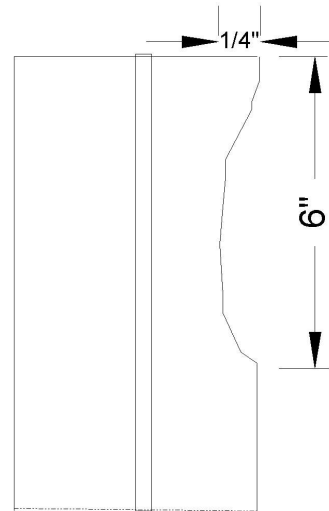
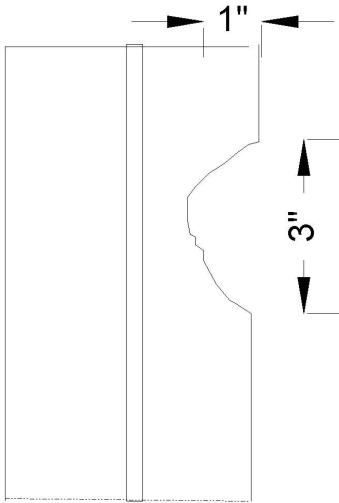
Bridge Inspection Field Sketch

SPAN 1



BEAM 1 SOUTH FLANGE - 1/4" D X 4" L | BEAM 2 NORTH FLANGE 1/4" D X 3.5" L

SPAN 2



BEAM 10 NORTH FLANGE 1" D X 3" L

BEAM 2 NORTH FLANGE 1/4" D X 6" L

Title		Description	
STEEL BEAM/FLANGE EDGE SECTION LOSS DETAIL		SECTION LOSS DETAIL	
Bridge No:	230075	Drawn By:	LJH
		Date:	10/19/2010
		File Name:	T0178000272



LOOKING EAST



SOUTH PROFILE



LOOKING SOUTH



LOOKING NORTH



NORTH PROFILE



LOOKING WEST



EAST APPROACH



TYPICAL JOINT



DECK OVERVIEW



CURB AND RAIL OVERVIEW



NORTHWEST WINGWALL/BULKHEAD



NORTHEAST WINGWALL/BULKHEAD



SOUTHEAST WINGWALL/BULKHEAD



SOUTHWEST WINGWALL/BULKHEAD