



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY CLEVELAND

BRIDGE NUMBER 220255

INSPECTION CYCLE 2 YRS

ROUTE SR1207

ACROSS BRANCH

M.P. 0

LOCATION 0.1 MI. W. JCT. SR1208

SUPERSTRUCTURE REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE END & INTERIOR BENTS: TIMBER CAPS & PILES, TIMBER BULKHEADS

SPANS 1@17'3", 1@17'0", 1@17'3" SIMPLE

LONGITUDE 81° 44' 49.7"

LATITUDE 35° 11' 26.3"

PRESENT CONDITION FAIR

INVENTORY RATING HS 2.01

INSPECTION DATE 09/09/2010

OPERATING RATING HS 2.01

PRESENT POSTING SV 25 TTST 36

PROPOSED POSTING RETAIN SV = 25 TONS - TTST = 36 TON

COMPUTER UPDATE 10.13.10

ANALYSIS DATE 10.07.10

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELIENATORS



WEST APPROACH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

Yes	WEIGHT LIMIT	1
No	DELINEATORS	
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

NATIONAL BRIDGE INVENTORY—— STRUCTURE INVENTORY AND APPRAISAL Run Date: 10/13/2010

IDENTIFICATION				SUFFICIENCY RATING = 29	
(1) STATE NAME -NORTH CAROLINA	BRIDGE	220255	STATUS = Structurally Deficient		
(8) STRUCTURE NUMBER(FEDERAL)		000000000450255			
INVENTORY ROUTE (ON/UNDER) - ON		131012070			
(2) STATE HIGHWAY DEPARTMENT DISTRICT		12			
(3) COUNTY CODE 45	(4) PLACE CODE	00000			
(6) FEATURE INTERSECTED - BRANCH					
(7) FACILITY CARRIED SR1207					
(9) LOCATION 0.1 MI. W. JCT. SR1208					
(11)MILEPOINT		0			
(16)LAT 35° 11' 26.3"	(17)LONG 81° 44' 49.7"				
(98)BORDER BRIDGE STATE CODE	PCT SHARE				
(99)BORDER BRIDGE STRUCTURE NO					
STRUCTURE TYPE AND MATERIAL			CLASSIFICATION		
(43) STRUCTURE TYPE MAIN: Steel			(112)NBIS BRIDGE SYSTEM -		YES
TYPE - Stringer Multibeam or Girder	CODE	302	(104)HIGHWAY SYSTEM NON NHS Route		0
(44) STRUCTURE TYPE APPR :			(26) FUNCTIONAL CLASS - Local		09
TYPE -	CODE		(100)STRAHNET HIGHWAY - Not a STRAHNET Route		0
(45) NUMBER OF SPANS IN MAIN UNIT		3	(101)PARALLEL STRUCTURE - No Parallel Structure		N
(46) NUMBER OF APPROACH SPANS			(102)DIRECTION OF TRAFFIC - 2-way Traffic		2
(107)DECK STRUCTURE TYPE - Concrete cast-in-place	CODE	1	(103)TEMPORARY STRUCTURE - Temporary		T
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(110)DESIGNATED NATIONAL NETWORK - Not Part of		0
(A) TYPE OF WEARING SURFACE - Concrete	CODE	1	(20) TOLL On Free Road		3
(B) TYPE OF MEMBRANE - None	CODE	0	(31) MAINTAIN - State Highway Agency		01
(C) TYPE OF DECK PROTECTION - None	CODE	0	(22) OWNER - State Highway Agency		01
			(37) HISTORICAL SIGNIFICANCE - Not Eligible		5
			CONDITION		
			(58) DECK		6
			(59) SUPERSTRUCTURE		6
			(60) SUBSTRUCTURE		3
			(61) CHANNEL & CHANNEL PROTECTION		7
			(62) CULVERTS		N
			LOAD RATING AND POSTING		
			(31) DESIGN LOAD Other or Unknown		0
			(64) OPERATING RATING - HS-1		201
			(66) INVENTORY RATING - HS-1		201
			(70) BRIDGE POSTING - Posting Required		2
			(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P
			DESCRIPTION - Posted for Load		
AGE AND SERVICE			APPRAISAL		
(27) YEAR BUILT		1966	(67) STRUCTURAL EVALUATION		2
(106)YEAR RECONSTRUCTED			(68) DECK GEOMETRY		4
(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		8
(29) AVERAGE DAILY TRAFFIC		510	(36) TRAFFIC SAFETY FEATURES		0000
(30) YEAR OF ADT 2009	(109) TRUCK ADT PCT	6 %	(113)SCOUR CRITICAL BRIDGES		U
(19) BYPASS OR DETOUR LENGTH		MI	SCOUR PLAN OF ACTION		
GEOMETRIC DATA			PROPOSED IMPROVEMENTS		
(48) LENGTH OF MAXIMUM SPAN		17 FT	(75) TYPE OF WORK -	CODE	
(49) STRUCTURE LENGTH		52 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT		0 FT
(50)CURB OR SIDEWALK: LEFT 0.4 FT RIGHT		0.4 FT	(94) BRIDGE IMPROVEMENT COST		
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		24.0 FT	(95) ROADWAY IMPROVEMENT COST		
(52) DECK WIDTH OUT TO OUT		25.3 FT	(96) TOTAL PROJECT COST		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18.0 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE		20
(33) BRIDGE MEDIAN - No Median	CODE	0	(114)FUTURE ADT 1020	(115) YEAR FUTURE ADT	2025
(34) SKEW 15° (35) STRUCTURE FLARED		NO			
(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			INSPECTIONS		
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0	(90) INSPECTION DATE		09/09/2010
(111)PIER PROTECTION - Not Applicable	CODE		(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE	
(39) NAVIGATION VERTICAL CLEARANCE		0	A) FRACTURE CRIT DETAIL - NO	A)	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			B) UNDERWATER INSP - NO	B)	
(40) NAVIGATION HORIZONTAL CLEARANCE		0	C) OTHER SPECIAL INSP NO	C)	
			SCOUR		

BRIDGE INSPECTION RECORD AND SUMMARY

1A

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 220255 COUNTY CLEVELAND ROUTE SR1207 OVER BRANCH
 STRUCTURE TYPE REINFORCED CONCRETE DECK ON I-BEAMS
 ROUTE ORIENTATION W - E SPANS 1@17'3", 1@17'0", 1@17'3" SIMPLE

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

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES				
1. WEARING SURFACE				45. CHANNEL & CHANNEL PROT.	a. WATERWAY		7
					b. ALIGNMENT		7
					c. SCOUR		6
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE	3	6	50. APPROACH ROADWAY CONDITION			7
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM CODE A			6
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			7
	b. TIMBER			55. ESTIMATED REMAINING LIFE			8
	c. ALUMINUM						
	d. STEEL		7				
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)			5
	d. STANDARD JOINTS	2	7	64. TOTAL SNOOPER INSP. TIME (HRS)			
	e. OPEN JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			7				
				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			6	b. SUPERSTRUCTURE	ITEM 59	6	
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			7				
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			6	a. WATERWAY ADAQUACY		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			7	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	7	USE OF INSP. ACCESSIBILITY EQUIPMENT				
	b. PILES, POST, SILLS, & BRACING	6	SNOOPER (CODE S, 4, OR N)	HRS	NO		
	c. BULKHEADS, WING'S, & TIE BACKS	6	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						
	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:	Jed PL		
41. DRIFT			7	81. REVIEWED BY:			

**BRIDGE INSPECTION RECORD AND SUMMARY
FOR SHORED STRUCTURES OR STRUCTURES
WITH TEMPORARY REPAIRS MADE TO KEEP
A BRIDGE OPEN**

BRIDGE: 220255 COUNTY: Cleveland DATE: 11/17/08

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT
THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE
TO KEEP THE BRIDGE OPEN :

	<u>CODE</u>	<u>BY</u>
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	<u>T</u>	<u>TSE</u>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<u>3</u>	<u>TSE 11/19/08</u>
S I & A ITEM 64 OPERATING RATING		
HS ² <u>0.01</u>	BY:	<u>AIC</u>
S I & A ITEM 66 - INVENTORY RATING		
HS ² <u>0.01</u>	BY:	<u>AIC</u>

COMMENTS

pile 3 at bent 1, and pile 4 at bent 2 encased in conc.

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 DEREK RICKUS			
Assisted By DJA			
Item No.	Grade		
2a	6	THERE IS A LONGITUDINAL CRACK THAT RUNS THE FULL LENGTH OF SPAN 2 IN THE LT. LANE THAT HAS BEEN TAR SEALED IN PAST.	
4	7	THE DECK SHOWS MINOR HAIRLINE MAP CRACKING THROUGHOUT. THE CURBS HAVE MINOR CHIPPING AND SPALLING ON THE CURB FACES.	
10	6	THE BEAMS SHOW SPOT PAINT FAILURE AND LIGHT RUSTING. THE BEARING AREAS OF THE BEAMS SHOW FLAKING PAINT, RUSTING, AND MINOR SECTION LOSS.	
13	7	THE CURTAIN WALLS HAVE MODERATE HONEYCOMBING WITH EXPOSED COARSE AGGREGATE. OTHERWISE, THE CURTAIN WALLS ARE IN GOOD CONDITION WITH NO SIGNS OF CRACKING OR SPALLING.	
15	6	THE BEAMS REST DIRECTLY ON THE CAPS AND ARE BOLTED TO THE BENT CAPS. NO DISTRESS IS NOTED.	
52	6	RANDOM PAINT FAILURE IS NOTED WITH SPOT RUSTING THROUGHOUT AND MINOR SECTION LOSS AT THE BEARING AREAS.	
35a	7	NOTE TIMBER CAPS REPLACED IN PAST, IN GOOD CONDITION.	
35b	6	PAST REPAIR TO PILES 3 AND 4 AT ABUT. 2 PILE 1 AND 4 AT BT. 2 PAST REPAIRS (ENCASED) BENT 1 PILE 3 AND 4 REPAIRED (PILE 4 ENCASED IN PAST PILE 3 ENCASED WITH ROUND ENCASEMENT 2' DIAM. X 3' HIGH SINCE LAST INSP. PRIORITY MAINT. REPAIR. PILE 1 AT BT. 1 ENCASED FOR REPAIR IN PAST. THE PILE FOOTINGS ON PILES 1 AND 4 OF BENT 2 ARE COMPLETELY UNDERMINED UP TO 6 INCHES. THE CROSS-BRACING ON BENTS 1 AND 2 SHOW MINOR TO MODERATE DECAY BUT ARE STILL FUNCTIONING AS INTENDED.	
35c	6	THERE BULKHEADS BDS. AT ABUT. 2 ARE HEAVILY WEATHERED AND DECAYED THRU-OUT. ABUT. 1 BULKHEAD SIMILAR	
45c	6	SCOUR UP TO 18 INCHES AND 6 INCHES OF UNDERMINING EXIST AT PILE 4 OF BENT 2.	
60	YES	1 WEIGHT LIMIT	
62	YES	SV 25, TTST 36	

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspeccion & Analysis</u>	
State of North Carolina			
Dept. of Transportation			
Division of Highways			
Team Leader DEREK RICKUS			
Assisted By DJA			
Item No.	Grade		

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220255

County CLEVELAND

Date: 09/09/2010

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3346	Repair / Maintain Timber Wings & Blkhds	SF	40	THERE BULKHEADS BDS. AT ABUT. 2 ARE HEAVILY WEATHERED AND DECAYED THRU-OUT.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



NOTE ASPHALT WEARING SURFACE GOES ONTO THE WEST END OF SPAN 1 TAPERING OUT.



THERE IS A LONGITUDINAL CRACK THAT RUNS THE FULL LENGTH OF SPAN 2 IN THE LT. LANE THAT HAS BEEN TAR SEALED IN PAST.



PAST REPAIR TO PILES 3 AND 4 AT ABUT. 2



THERE BULKHEADS BDS. AT ABUT. 2 ARE HEAVILY WEATHERED AND DECAYED THRU-OUT.



PILE 1 AND 4 AT BT. 2 PAST REPAIRS (ENCASED)



BENT 1 PILE 3 AND 4 REPAIRED (PILE 4 ENCASED IN PAST PILE 3 ENCASED WITH ROUND ENCASEMENT 2' DIAM. X 3' HIGH SINCE LAST INSP.



PILE 1 AT BT. 1 ENCASED FOR REPAIR IN PAST.



NOTE TIMBER CAPS REPLACED IN PAST, IN GOOD CONDITION.

Structure Data Worksheet

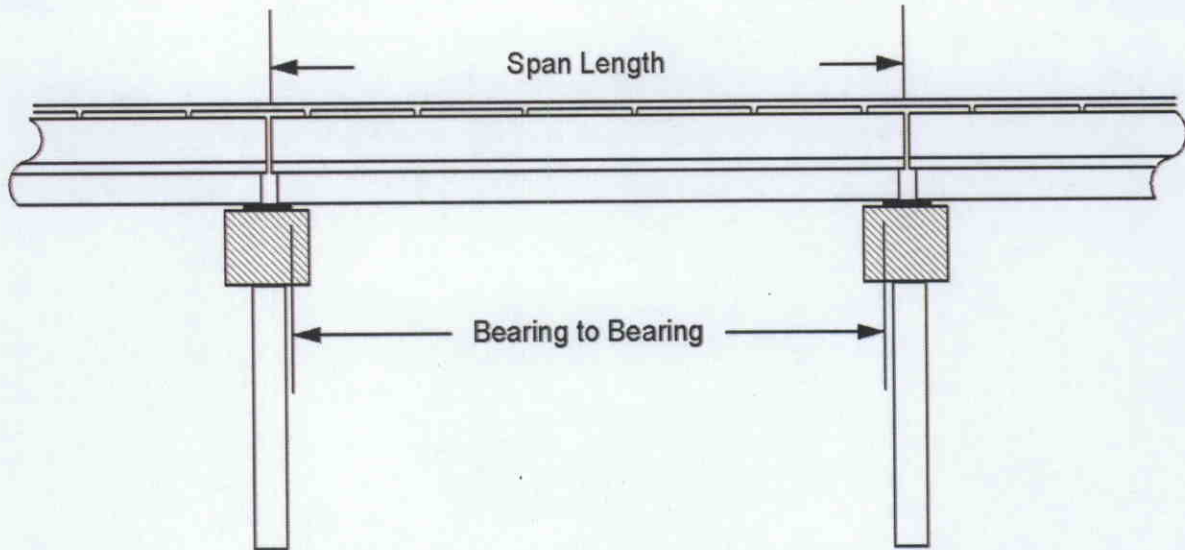
Spans

County: CLEVELAND

Structure No: 220255

Date: 09/09/2010

Inspected By: DCR



Span No	Span Length	Bearing to Bearing	Comments
1	17.250'	16.250'	NBIS = 15.417'
2	17.000'	16.500'	NBIS = 16.083'
3	17.250'	16.250'	NBIS = 15.417'

BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

Run Date: 10/13/2010

COUNTY : CLEVELAND		DIV : 12		DIST : 1		STRUCTURE NUMBER : 220255		LENGTH : 52 FEET	
ROUTE CARRIED : SR1207				FEATURE INTERSECTED : BRANCH					
LOCATED : 0.1 MI. W. JCT. SR1208				BRIDGE NAME :				CITY :	
FUNC. CLASS : 09		SYST.ON : NFA		SYST.UNDER : NFA		ADT & YR : 510 2009		RAIL TYPE : LT 233 RT 233	
BUILT : 1966		BY : BMU		PROJ : 5.805		FED.AID PROJ :		DESIGN LOAD : Other or Unknown	
REHAB :		BY :		PROJ :		ALIGNMENT : TAN 75		LANES : ON 2 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT				HT. CRN. TO BED : 9 FT		WATER DEPTH : 1 FT			
SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS									
SUBSTRUCTURE : END & INTERIOR BENTS:TIMBER CAPS & PILES,TIMBER BULKHEADS									
SPANS : 1@17'3", 1@17'0", 1@17'3" SIMPLE									
BEAMS OR GIRDERS : 19 LINES OF W12X16 I-BEAMS @ 1'4" CENTERS									
FLOOR : 5" RC SLAB		ENCROACHMENT :		DECK (OUT TO OUT) : 25.3 FT					
CLEAR ROADWAY : 24.0 FT		BETWEEN RAILS : 24.8 FT		SIDEWALK OR CURB : LT 0.4 FT RT 0.4 FT					
VERT.CL.OVER : 99 FT 99 IN		VERT.CL.UNDER : 00 FT 00 IN		HOR.CL.UNDER : 0.0 FT					
INV.RTG. : HS-1		OPE.RTG. : HS-1		CONTR.MEMBER : cap		POSTED : SV 25 TTST 36		DATE 10/17/2008	
SYSTEM : Secondary S.R. Route				GREEN LINE ROUTE : N					
2ND OPENING :		3RD OPENING :		4TH OPENING :		5TH OPENING :			
REMARKS :									

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 220255 County: CLEVELAND Date: 09/09/2010 By: DCR

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	2.7	FF ABUT 1			
0.8	4	ABUT 1			
1.3	4.5	SF ABUT 1	1.3	6	SF ABUT 1
17.3	7	BENT 1	17.3	7.8	BENT 1
19.3	11	WS AND WE			
22.3	11.2	STREAMBED			
24.3	11.4	STREAMBED			
26	11.5	DEEPEST POINT			
33.8	11.4	BENT 2	33.8	11.8	BENT 2
34.4	11	WS AND WE			
43.3	4.8	SLOPE			
50.1	5.3	SF ABUT 2	50.1	6.4	SF ABUT 2
50.8	4	ABUT 2			
52	2.7	FF ABUT 2			

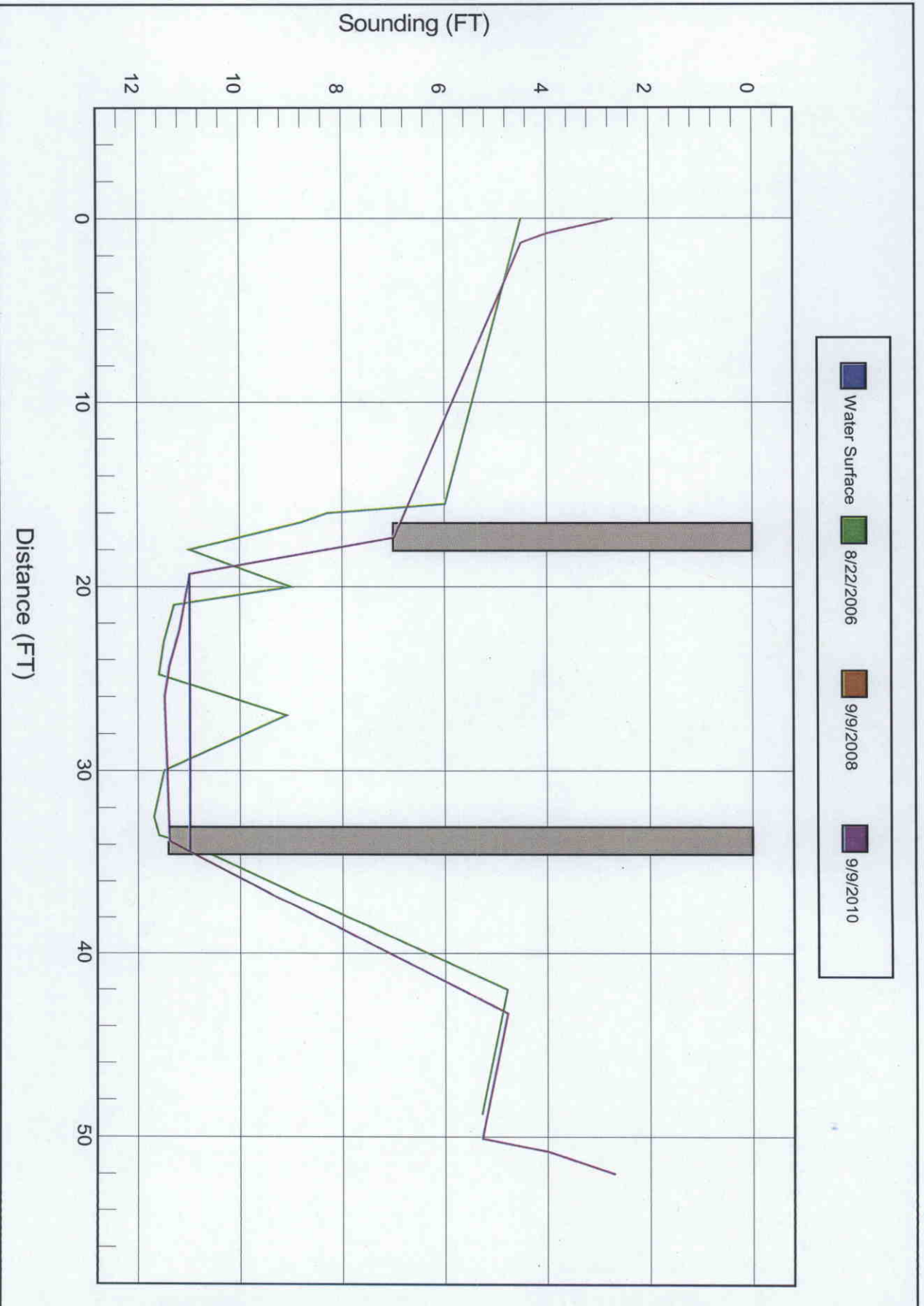
Bridge: 220255

County CLEVELAND

Date: 09/09/2010

Top of Rail = 0 FT (Sounding)

STREAMBED PROFILE (Downstream)



Bridge Inspection Field Sketch

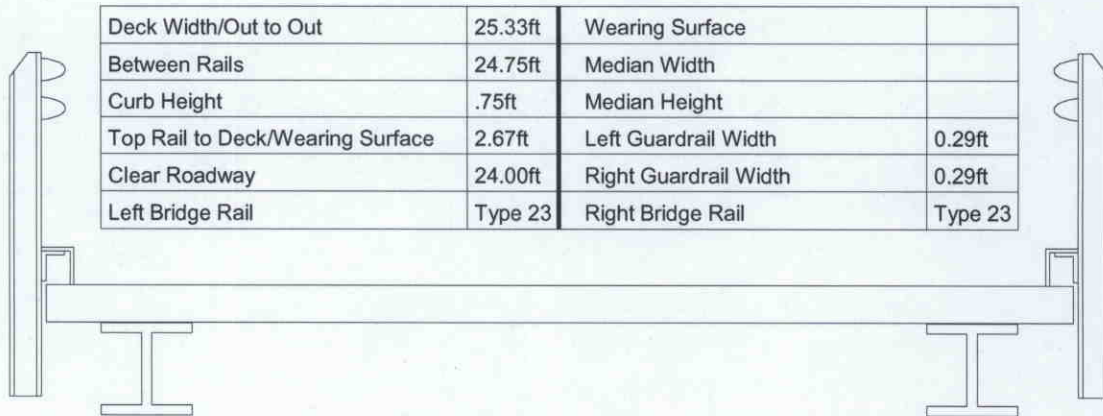


Roadway	18.00ft Wide	2 Paved Lanes	Looking East
Left Shoulder	12ft Wide		12.00ft Unpaved
Right Shoulder	8ft Wide		8.00ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 9-9-2010 BY DELVIN ADAMS

Title		Description	
APPROACH ROADWAY		LOOKING EAST	
Bridge No: 220255	Drawn By: DJA	Date: 09/09/2008	File Name: S0290003834

Bridge Inspection Field Sketch



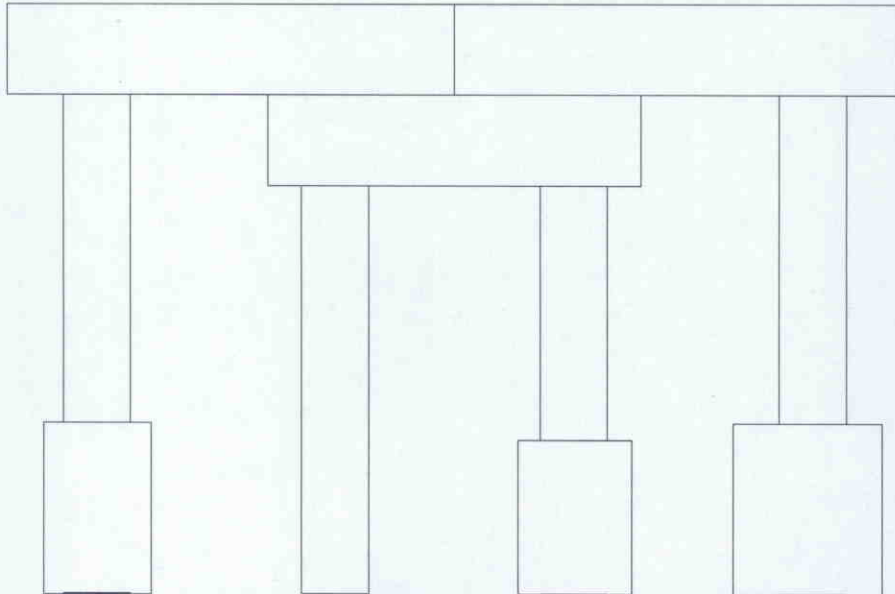
Measurements for Span #	1	SPANS 2 TO 3 SIMILAR	
Deck Thickness	.42	Left Overhang	.50
Top of Rail to Bottom of Beam	4.00	Right Overhang	.50

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	1.33ft	
2	Steel I Beam	1.33ft	
3	Steel I Beam	1.33ft	
4	Steel I Beam	1.33ft	
5	Steel I Beam	1.33ft	
6	Steel I Beam	1.33ft	
7	Steel I Beam	1.33ft	
8	Steel I Beam	1.33ft	
9	Steel I Beam	1.33ft	
10	Steel I Beam	1.33ft	
11	Steel I Beam	1.33ft	
12	Steel I Beam	1.33ft	
13	Steel I Beam	1.33ft	
14	Steel I Beam	1.33ft	
15	Steel I Beam	1.33ft	
16	Steel I Beam	1.33ft	
17	Steel I Beam	1.33ft	
18	Steel I Beam	1.33ft	
19	Steel I Beam		

NOTE: TYPICAL NON-TAPERED STEEL I-BEAMS MEASURE: 4"W X 12"H WITH 1/4" FLANGE X 1/4" WEB
 VERIFIED 9-9-2010 BY DELVIN ADAMS

Title		Description	
DECK DIMENSIONS		TYPICAL SECTION	
Bridge No:	220255	Drawn By:	DJA
		Date:	09/09/2008
		File Name:	S0290003835

Bridge Inspection Field Sketch



BENTS #1 & 2 HAVE CONCRETE ENCASEMENTS ON PILES #1 & 4
 BENT #1, PILE 3 HAS A 2 FT DIAMETER X 3 FT HIGH CYLINDRICAL CONCRETE ENCASEMENT
 PILE #1 ENCASEMENT IS 24" W X 24" D X 33" H; PILE #4 ENCASEMENT IS 35" W X 35" D X 40" H

Bent #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.75ft Long	.98ft Wide	1.00ft High
Left Overhang	1.40ft	Lt Cap/Beam Overhang	1.00ft
Right Overhang	1.40ft	Rt Cap/Beam Overhang	1.00ft
Timber Sub Cap			
Size	10.33ft Long	.98ft Wide	.98ft High
Left pile to splice	12.50ft		
Left Overhang	1.00ft		
Right Overhang	1.00ft		

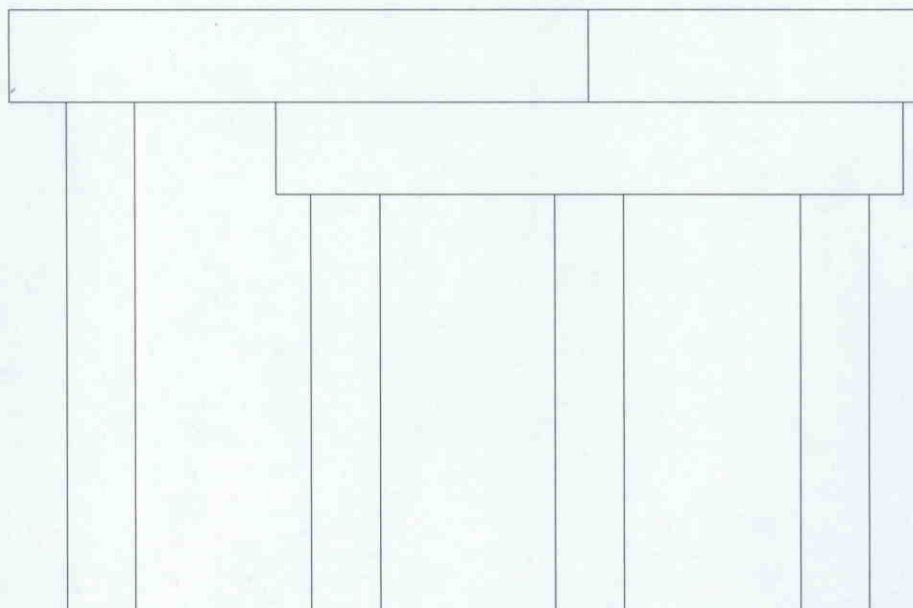
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8.33		1.00		Vertical
2	Wood or Timber	Pile Bent	8.33		1.00		Vertical
3	Wood or Timber	Pile Bent	8.33		1.00		Vertical
4	Wood or Timber	Pile Bent			1.00		Vertical

NOTE: END BENT 2 SIMILAR

VERIFIED 9-9-2010 BY DELVIN ADAMS

Title		Description	
INTERIOR BENTS & ABUTMENT 2		PILE DETAILS	
Bridge No: 220255	Drawn By: DJA	Date: 09/09/2008	File Name: S0290003836

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.75ft Long	.98ft Wide	1.00ft High
Left Overhang	1.40ft	Lt Cap/Beam Overhang	1.00ft
Right Overhang	1.40ft	Rt Cap/Beam Overhang	1.00ft
Timber Sub Cap			
Size	18.67ft Long	.98ft Wide	.98ft High
Left pile to splice	13.50ft		
Left Overhang	1.00ft		
Right Overhang	1.00ft		

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8.33		1.00		Vertical
2	Wood or Timber	Pile Bent	8.33		1.00		Vertical
3	Wood or Timber	Pile Bent	8.33		1.00		Vertical
4	Wood or Timber	Pile Bent			1.00		Vertical

VERIFIED 9-9-2010 BY DELVIN ADAMS

Title		Description	
ABUTMENT 1		PILE DETAILS	
Bridge No:	220255	Drawn By: DJA	Date: 09/09/2008
		File Name: S0290003837	



WEST APPROACH



LOOKING UPSTREAM



LOOKING DOWNSTREAM



EAST APPROACH



ABUT. 2



UPSTREAM



BENT 1



DOWNSTREAM



ABUT. 1