



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMPORARY REPAIRS (LONGITUDINAL BEAMS)

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ALEXANDER

BRIDGE NUMBER 010092

INSPECTION CYCLE 2 YRS

ROUTE SR1315

ACROSS LAMBERT CREEK

M.P. 0

LOCATION 0.5 MI. N. JCT. SR1316

SUPERSTRUCTURE TIMBER DECK ON I-BEAMS

SUBSTRUCTURE END&INT.BTS:TIMBER CAPS&PILES,CONC.ENCASED,TIMBER BULKHEADS

SPANS 1@35'6, 1@35'4

LONGITUDE 81° 15' 21.0"

LATITUDE 35° 57' 10.6"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 10/04/2010

OPERATING RATING

PRESENT POSTING SV 17 TTST 22

PROPOSED POSTING

COMPUTER UPDATE 11-24-10

ANALYSIS DATE 11-2-10

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELINEATORS



SOUTH TO NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

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

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

Run Date: 11/24/2010

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 010092
 (8) STRUCTURE NUMBER(FEDERAL) 000000000030092
 INVENTORY ROUTE (ON/UNDER) - ON 131013150
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 12
 (3) COUNTY CODE 3 (4) PLACE CODE 00000
 (6) FEATURE INTERSECTED - LAMBERT CREEK
 (7) FACILITY CARRIED SR1315
 (9) LOCATION 0.5 MI. N. JCT. SR1316
 (11) MILEPOINT 0
 (16) LAT 35° 57' 10.7" (17) LONG 81° 15' 20.1"
 (98) BORDER BRIDGE STATE CODE PCT SHARE
 (99) BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 21.8
 STATUS = Structurally Deficient

CLASSIFICATION

CODE

(112) NBIS BRIDGE SYSTEM - YES
 (104) HIGHWAY SYSTEM NON NHS Route 0
 (26) FUNCTIONAL CLASS - Local 09
 (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 - Temporary T
 (110) DESIGNATED NATIONAL NETWORK - Not Part of 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 Multibeam or Girder CODE 302
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 2
 (46) NUMBER OF APPROACH SPANS
 (107) DECK STRUCTURE TYPE - Timber CODE 8
 (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

CONDITION

CODE

(58) DECK 7
 (59) SUPERSTRUCTURE 5
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING

CODE

(31) DESIGN LOAD Other or Unknown 0
 (64) OPERATING RATING - HS-1 101
 (66) INVENTORY RATING - HS-1 101
 (70) BRIDGE POSTING - Posting Required 0
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1963
 (106) YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Waterway CODE 15
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE
 (29) AVERAGE DAILY TRAFFIC 240
 (30) YEAR OF ADT 2009 (109) TRUCK ADT PCT 6 %
 (19) BYPASS OR DETOUR LENGTH 1 MI

APPRAISAL

CODE

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

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 36 FT
 (49) STRUCTURE LENGTH 71 FT
 (50) CURB OR SIDEWALK: LEFT 0.3 FT RIGHT 0.3 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 19.2 FT
 (52) DECK WIDTH OUT TO OUT 20.2 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 16.0 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 19.2 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

PROPOSED IMPROVEMENTS

CODE

(75) TYPE OF WORK - CODE 311
 (76) LENGTH OF STRUCTURE IMPROVEMENT 92 FT
 (94) BRIDGE IMPROVEMENT COST \$197,000
 (95) ROADWAY IMPROVEMENT COST \$49,000
 (96) TOTAL PROJECT COST \$296,000
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 2007
 (114) FUTURE ADT 740 (115) YEAR FUTURE ADT 2025

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
 (111) PIER PROTECTION - Not Applicable CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

INSPECTIONS

(90) INSPECTION DATE 10/04/2010
 (92) CRITICAL FEATURE INSPECTION :
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - NO B)
 C) OTHER SPECIAL INSP NO C)
 SCOUR

BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

Run Date: 11/24/2010

COUNTY : ALEXANDER		DIV : 12		DIST : 2		STRUCTURE NUMBER : 010092		LENGTH : 71 FEET	
ROUTE CARRIED : SR1315				FEATURE INTERSECTED : LAMBERT CREEK					
LOCATED : 0.5 MI. N. JCT. SR1316				BRIDGE NAME :				CITY :	
FUNC. CLASS : 09		SYST.ON : NFA		SYST.UNDER : NFA		ADT & YR : 240 2009		RAIL TYPE : LT 227 RT 227	
BUILT : 1963		BY : BMU		PROJ :		FED.AID PROJ :		DESIGN LOAD : Other or Unknown	
REHAB :		BY :		PROJ :		ALIGNMENT : TAN 90		LANES : ON 2 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT				HT. CRN. TO BED : 11 FT				WATER DEPTH : 1 FT	
SUPERSTRUCTURE :		TIMBER DECK ON I-BEAMS							
SUBSTRUCTURE :		END&INT.BTS:TIMBER CAPS&PILES,CONC.ENCASED,TIMBER BULKHEADS							
SPANS :		1@35'6, 1@35'4							
BEAMS OR GIRDERS :		8 LINES OF W16X40 I-BEAMS @ 2'7 CENTERS							
FLOOR : 4X8 TIM,3 AWS		ENCROACHMENT :		DECK (OUT TO OUT) : 20.2 FT					
CLEAR ROADWAY : 19.2 FT		BETWEEN RAILS : 19.8 FT		SIDEWALK OR CURB : LT 0.3 FT RT 0.3 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 : in bm		POSTED : SV 17 TTST 22		DATE 10/27/2008	
SYSTEM : Secondary S.R. Route		GREEN LINE ROUTE : N							
2ND OPENING :		3RD OPENING :		4TH OPENING :		5TH OPENING :			
REMARKS :									

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

BRIDGE: **010092** COUNTY: **Alexander** DATE: **3/5/2009**

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	<i>T</i>	<i>TSE</i>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<i>4</i>	<i>TSE 3/10/09</i>
S I & A ITEM 64 OPERATING RATING		
HS <i>0</i> <i>01</i>	BY:	FK
S I & A ITEM 66 - INVENTORY RATING		
HS <i>0</i> <i>01</i>	BY:	FK

COMMENTS

Temporary Repairs: Post 2 -4 and 6 are supplimented at abutment 2.

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 010092 COUNTY ALEXANDER ROUTE SR1315 OVER LAMBERT CREEK
 STRUCTURE TYPE TIMBER DECK ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1@35'6, 1@35'4

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			
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE			45. CHANNEL & CHANNEL PROT.	a. WATERWAY	7	
	b. TIMBER	2	7		b. ALIGNMENT	7	
	c. STEEL PLANK				c. SCOUR	7	
	d. OPEN GRID				d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
3. RAILING				50. APPROACH ROADWAY CONDITION			
3. RAILING	a. CONCRETE			51. APPROACH SLABS			
	b. TIMBER		7	52. PAINT SYSTEM CODE A 6			
	c. ALUMINUM			53. UTILITIES			
	d. STEEL			54. RESPONSE TO LIVE LOAD 7			
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS				55. ESTIMATED REMAINING LIFE 25			
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) 5			
	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) 7							
				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 6				b. SUPERSTRUCTURE ITEM 59 5			
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE ITEM 60 6			
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S 6				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) 5				a. WATERWAY ADAQUACY 7			
16. DRAINAGE SYSTEM (ON STRUCTURE) 7				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	6		USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING	7		SNOOPER (CODE S, 4, OR N) HRS NO			
	c. BULKHEADS, WING'S, & TIE BACKS	6		LADDER YES			
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	7					
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: <i>afz</i>			
41. DRIFT 7				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 MAX FORD			
Assisted By RAP			
Item No.	Grade		
1	6	RANDOM TRANSVERSE CRACKS IN A.W.S..	
2b	7	TIMBER FLOOR IS GOOD AT THIS TIME.	
10	6	NUMEROUS REPAIRS MADE TO BEAMS AS LISTED BELOW. RUST, SCALE AND PITTING IS PAINTED OVER SINCE PREVIOUS INSPECTION. SEE PHOTOS AND SKETCHES REPAIR, END OF BEAM 2 AT ABUT. B SECTIONED. REPAIR, TOP OF WEB, LT. SIDE BEAM 1 AT ABUT. B. REPAIR, TOP OF WEB, LT. SIDE BEAM 7. REPAIR, WEB PLATE EACH SIDE BEAM 7 APPROX. 8 FT. FROM ABUT. B END OF BEAM. REPAIR OF BEAM 7 AT APPROX. MID SPAN B. BOTT. OF FLANGE, AND WEB PLATES, BOTH SIDES. REPAIR, RT. SIDE AND END OF BEAM 3 AT PIER IN SPAN B. REPAIR, LT. SIDE AND END OF BEAM 3 AT PIER IN SPAN B. RUST, SCALE AND LOSS OF SECTION ALONG LOWER PORTION OF WEBS, AND BEAM FLANGES REMAINS, BUT IS PAINTED OVER. RUST BLEEDING THROUGH IN MANY AREAS. REPAIR, LT. SIDE BEAM 2 AT ABUT. A, END OF WEB AND TOP OF BOTT. FLANGE. REPAIR, TOP OF BOTT. FLANGE, LT. SIDE BEAM 2. REPAIR, END OF BEAM 3 SECTIONED AT ABUT. A. REPAIR, END OF BEAM 4 AT ABUT. A. REPAIR, RT. SIDE BEAM 4 AT ABUT. A.	
12	6	RUST AND SCALE PAINTED OVER.	
15	5	BEARING HARDWARE IS DETERIORATED. BEARINGS HAVE BEEN PAINTED.	

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 MAX FORD			
Assisted By RAP			
Item No.	Grade		
52	6	PAINT SYSTEM, RUST, SCALE AND PITTING PAINTED OVER. RUST BLEEDING THROUGH PAINT IN NUMEROUS AREAS.	
35a	6	AREA OF DECAY APPROX. 10 PERCENT EXTENDS UP TO 4 INCHES INTO TOP RT. END OF PIER CAP. BEARING NOT ADVERSELY AFFECTED AT THIS TIME.	
35c	6	REMAINING CAPS ARE GOOD AT THIS TIME. ONE BOARD DECAYED AT (SE) WING AS MENTIONED AT PREVIOUS INSPECTION.	
36e	7	PIER FOOTING IS GOOD AT THIS TIME.	
45b	7	STREAM FLOWS THROUGH SPAN A ONLY AT THIS TIME.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 010092

County ALEXANDER

Date: 10/04/2010

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3344	Repair / Replace Timber Substructure Components	LF	1	AREA OF DECAY APPROX. 10 PERCENT EXTENDS UP TO 4 INCHES INTO TOP RT. END OF PIER CAP. BEARING NOT ADVERSELY AFFECTED AT THIS TIME.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	8	ONE BOARD DECAYED AT (SE) WING	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



REPAIR, END OF BEAM 2 AT ABUT. B SECTIONED. SEE SKETCH



REPAIR, TOP OF WEB, LT. SIDE BEAM 1 AT ABUT. B. SEE SKETCH



REPAIR, TOP OF WEB, LT. SIDE BEAM 7. SEE SKETCH



PAINT SYSTEM, RUST, SCALE AND PITTING PAINTED OVER



REPAIR, WEB PLATE EACH SIDE BEAM 7 APPROX. 8 FT. FROM ABUT. B END OF BEAM. SEE SKETCH



REPAIR OF BEAM 7 AT APPROX. MID SPAN B. BOT. OF FLANGE, AND WEB PLATES, BOTH SIDES. SEE SKETCH



REPAIR, RT. SIDE BEAM 7 AT APPROX. MID SPAN. SEE SKETCH



REPAIR, RT. SIDE AND END OF BEAM 3 AT PIER IN SPAN B. SEE SKETCH



REPAIR, LT. SIDE AND END OF BEAM 3 AT PIER IN SPAN B. SEE SKETCH



RUST, SCALE AND LOSS OF SECTION ALONG LOWER PORTION OF WEBS, AND BEAM FLANGES REMAINS, BUT IS PAINTED OVER. RUST BLEEDING THROUGH IN MANY AREAS.



AREA OF DECAY APPROX. 10 PERCENT EXTENDS UP TO 4 INCHES INTO TOP RT. END OF PIER CAP.
BEARING NOT ADVERSELY AFFECTED AT THIS TIME.



REPAIR, LT. SIDE BEAM 2 AT ABUT. A, END OF WEB AND TOP OF BOTT. FLANGE. SEE SKETCH



REPAIR, TOP OF BOTT. FLANGE, LT. SIDE BEAM 2. SEE SKETCH



REPAIR, END OF BEAM 3 SECTIONED AT ABUT. A. SEE SKETCH



REPAIR, END OF BEAM 4 AT ABUT. A. SEE SKETCH



REPAIR, RT. SIDE BEAM 4 AT ABUT. A. SEE SKETCH



ONE BOARD DECAYED AT (SE) WING

Structure Data Worksheet

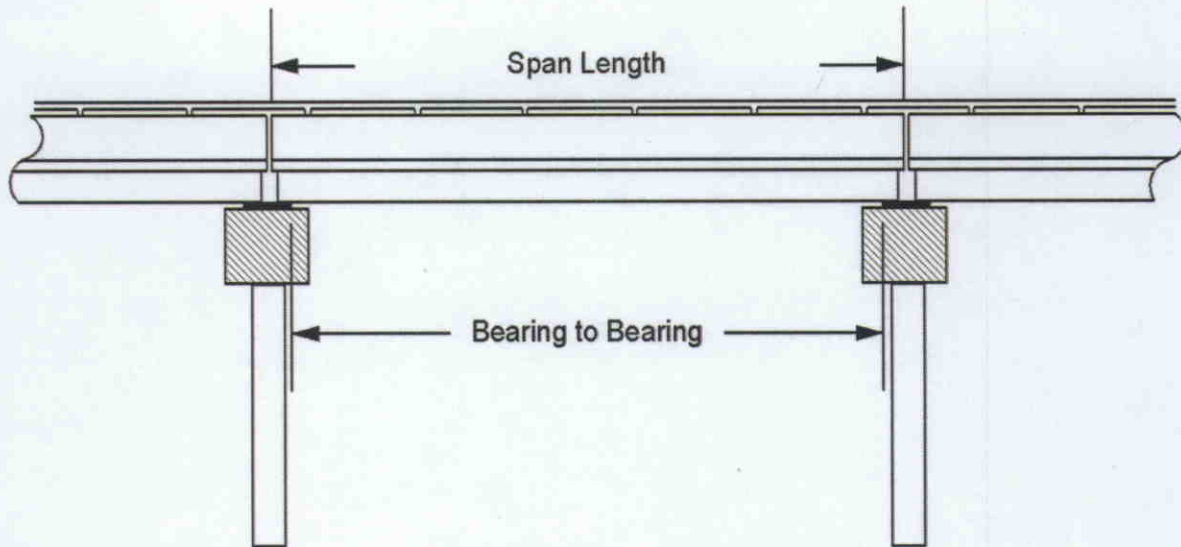
Spans

County: ALEXANDER

Structure No: 010092

Date: 10/04/2010

Inspected By: MF



Span No	Span Length	Bearing to Bearing	Comments
1	35.5	34.25	
2	35.333	34.083	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 010092 County: ALEXANDER Date: 10/04/2010 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	3	TOP OF FILLFACE			
0.28	3	TOP OF FILLFACE			
0.29	5	TOP OF CAP			
0.3	11.5	FACE OF ABUT	0.3	10.3	FACE OF ABUT
5	12.5	WSWE			
17	13.5	BED			
30	12.5	WSWE			
35.5	11	PIER	35.5	10	PIER
68	10.5	FACE OF CONC	68	11	FACE OF CONC
68.01	9.3	TOP OF CONC			
70.5	9.3	TOP OF CONC			
70.51	5	TOP OF CAP			
70.52	3	TOP OF FILLFACE			
70.8	3	TOP OF FILLFACE			

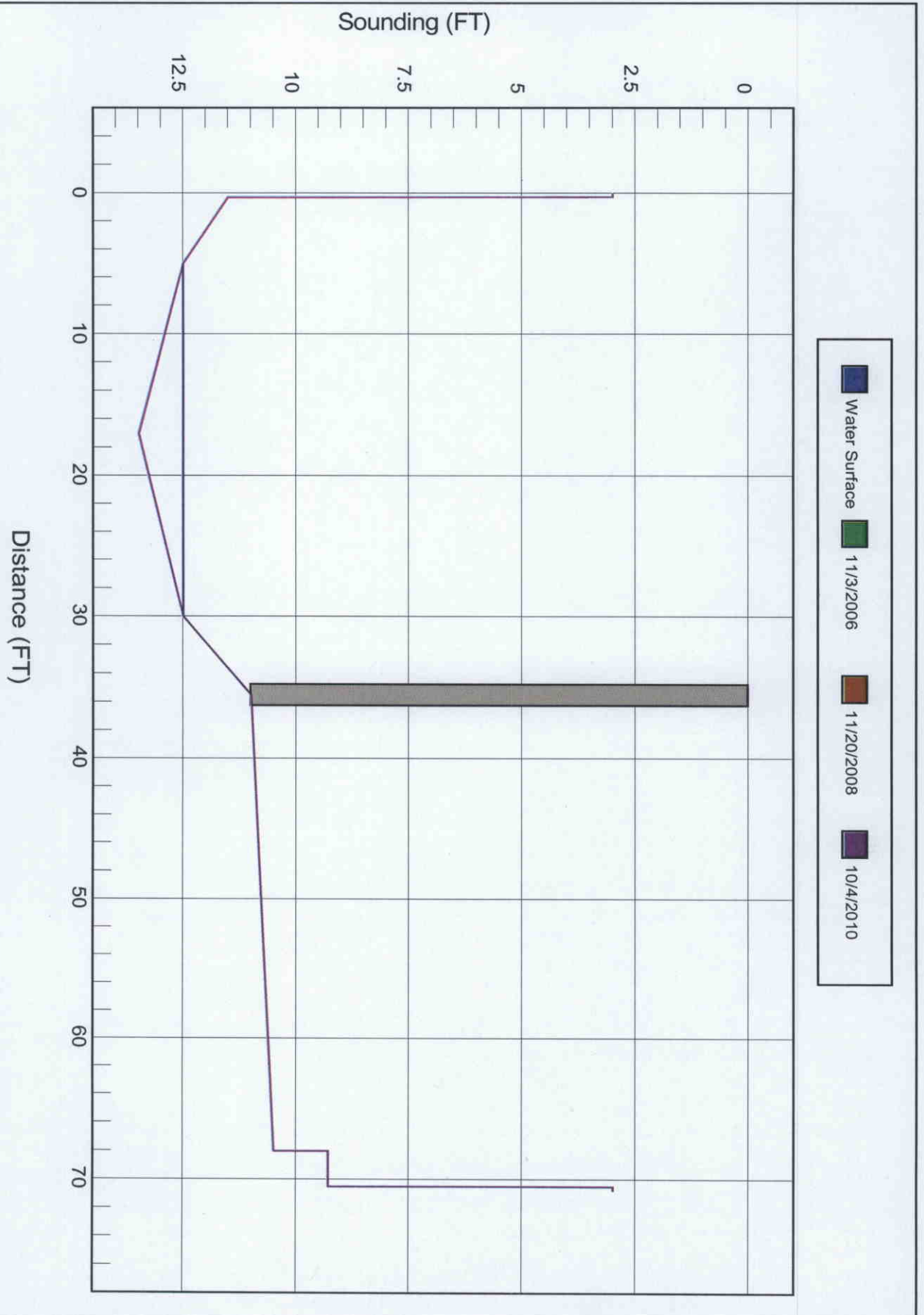
Bridge: 010092

County ALEXANDER

Date: 10/04/2010

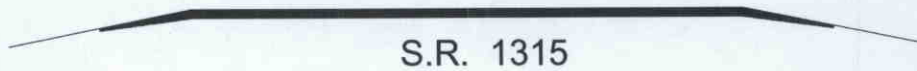
Top of Rail = 0 FT (Sounding)

STREAMBED PROFILE (Downstream)



Bridge Inspection Field Sketch

VERIFIED 10/4/10 R.A. PIERCE, M. FORD



LOOKING NORTH

Roadway	16ft Wide		Looking North
Left Shoulder	5ft Wide		5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPR. RDWY.

Description

APPR. RDWY.

Bridge No: 010092

Drawn By: RAP

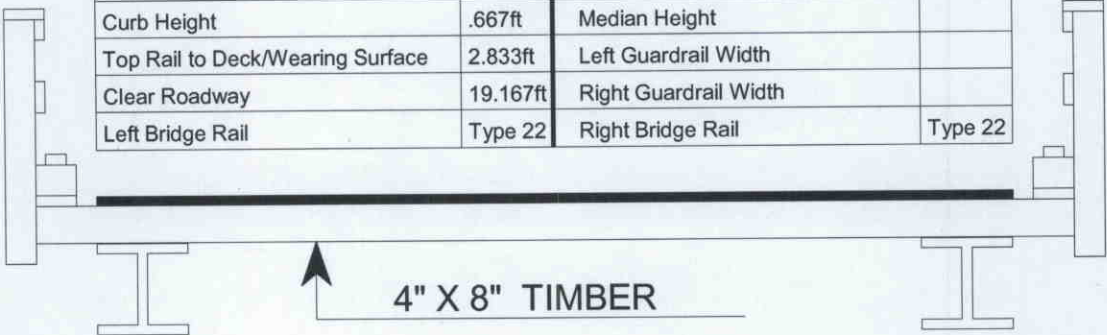
Date: 11/20/08

File Name: S0000001089

Bridge Inspection Field Sketch

VERIFIED 10/4/10 R.A. PIERCE, M. FORD

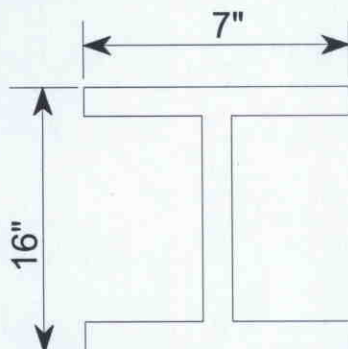
Deck Width/Out to Out	20.167ft	Wearing Surface	.25ft
Between Rails	19.833ft	Median Width	
Curb Height	.667ft	Median Height	
Top Rail to Deck/Wearing Surface	2.833ft	Left Guardrail Width	
Clear Roadway	19.167ft	Right Guardrail Width	
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22



4" X 8" TIMBER

Measurements for Span #	1		
Deck Thickness	0.333	Left Overhang	1
Top of Rail to Bottom of Beam	5	Right Overhang	1

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.583ft	BOTH SPANS SIMILAR
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		



FLANGE THICKNESS: 1/2"
 WEB THICKNESS: 5/16"

Title

SUPER.

Description

DECK SECTION

Bridge No: 010092

Drawn By: RAP

Date: 11/20/08

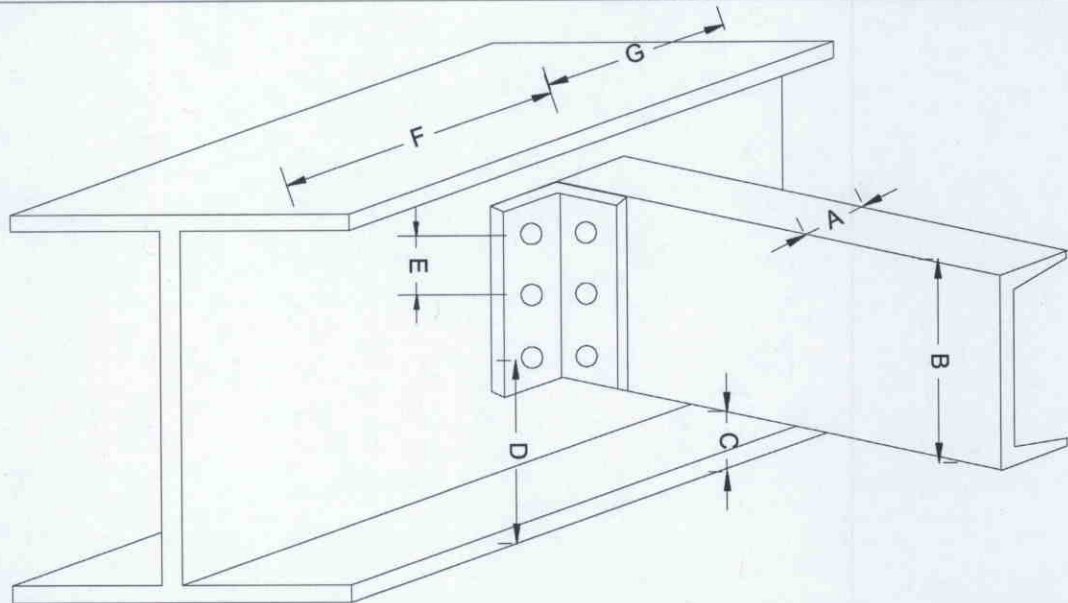
File Name: S0000001090

Bridge Inspection Field Sketch

VERIFIED 10/4/10 R.A. PIERCE, M. FORD

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	2 1/2"	10"	3"	5 1/2"	2 1/2"	11' - 2"	11' - 2"	3/4"

Title
DIAPH.

Description
DIAPH.

Bridge No: 010092

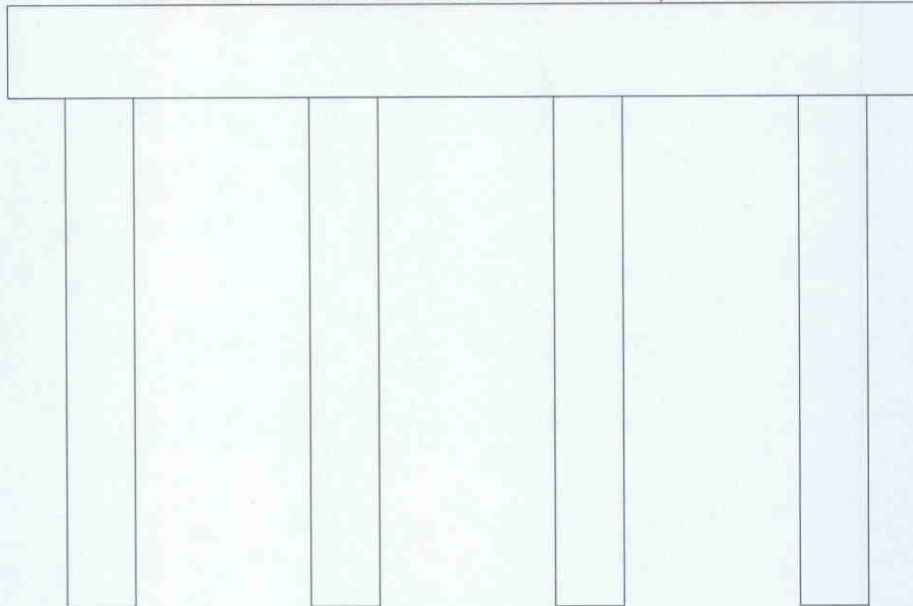
Drawn By: RAP

Date: 11/20/08

File Name: S0000001091

Bridge Inspection Field Sketch

VERIFIED 10/4/10 R.A. PIERCE, M. FORD



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	20.167ft Long	0.99ft Wide	0.979ft High
Left Overhang	1.083ft	Lt Cap/Beam Overhang	0.917ft
Right Overhang	1.083ft	Rt Cap/Beam Overhang	1ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	6		1		Vertical
2	Wood or Timber	Pile Bent	6		1		Vertical
3	Wood or Timber	Pile Bent	6		1		Vertical
4	Wood or Timber	Pile Bent			1		Vertical

Title

SUBST. 1

Description

ABUT. # 1

Bridge No: 010092

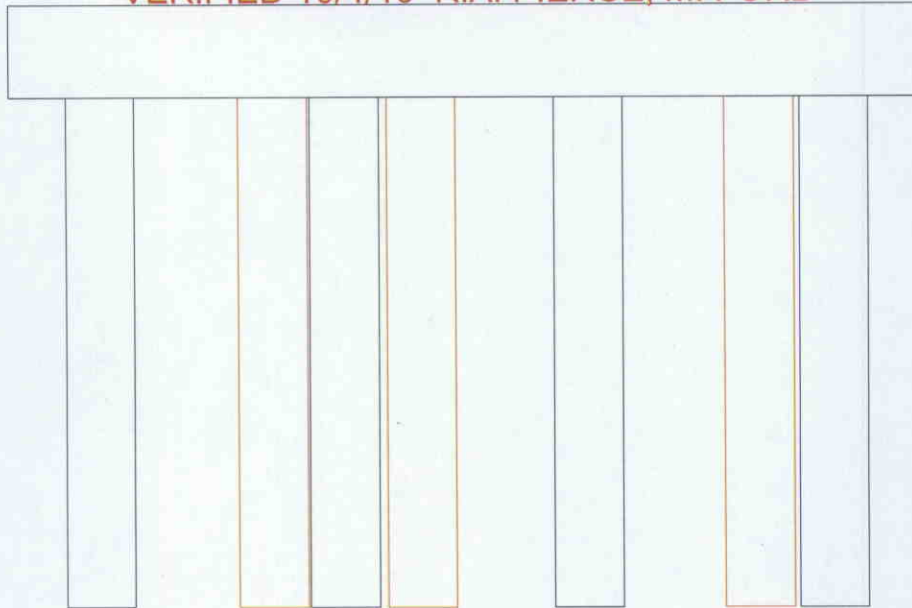
Drawn By: RAP

Date: 11/20/08

File Name: S0000001092

Bridge Inspection Field Sketch

VERIFIED 10/4/10 R.A. PIERCE, M. FORD



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	20.167ft Long	1ft Wide	0.979ft High
Left Overhang	1.083ft	Lt Cap/Beam Overhang	0.917ft
Right Overhang	1.083ft	Rt Cap/Beam Overhang	1ft

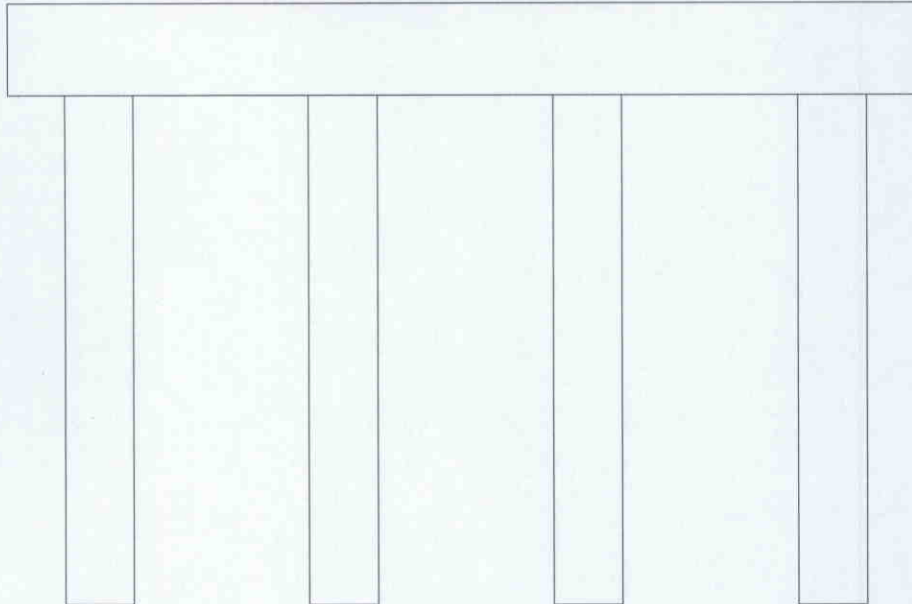
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5		1		Vertical
2	Wood or Timber	Pile Bent	1		0.833		Vertical
3	Wood or Timber	Pile Bent	1		1		Vertical
4	Wood or Timber	Pile Bent	5		0.833		Vertical
5	Wood or Timber	Pile Bent	5.167		1		Vertical
6	Wood or Timber	Pile Bent	1.083		1	1	Vertical
7	Wood or Timber	Pile Bent			1		Vertical

PILE # 2,4,6 ARE SUPPLIMENTS

Title SUBST. 2		Description ABUT. # 2	
Bridge No: 010092	Drawn By: RAP	Date: 11/20/08	File Name: S0138001817

Bridge Inspection Field Sketch

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Bent #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	20.167ft Long	0.99ft Wide	0.979ft High
Left Overhang	1.083ft	Lt Cap/Beam Overhang	0.833ft
Right Overhang	1.083ft	Rt Cap/Beam Overhang	1ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	6		1		Vertical
2	Wood or Timber	Pile Bent	6		1		Vertical
3	Wood or Timber	Pile Bent	6		1		Vertical
4	Wood or Timber	Pile Bent			1		Vertical

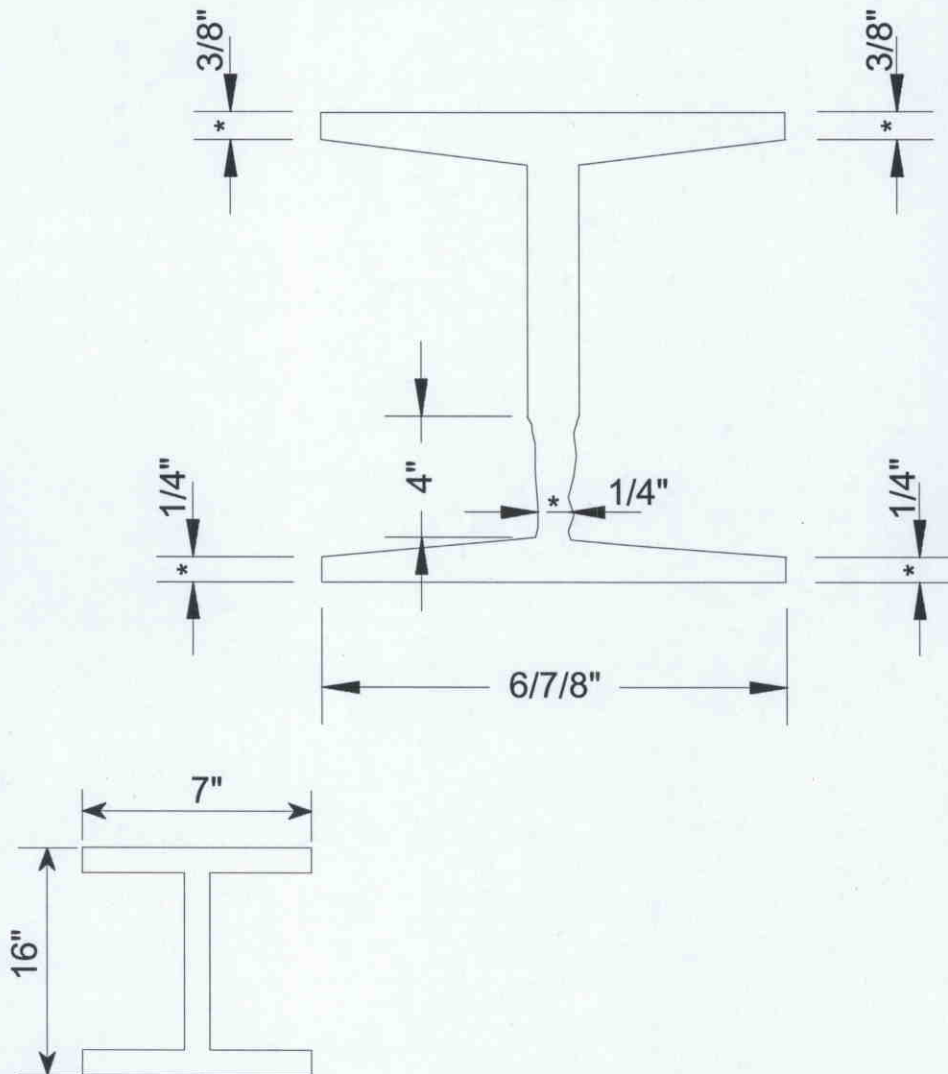
Title SUBST. 3		Description PIER	
Bridge No: 010092	Drawn By: RAP	Date: 11/20/08	File Name: S0138001818

Bridge Inspection Field Sketch

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SECTION LOSS ON ALL BMS.

LOSS EXTENDS FULL LENGTH



FLANGE THICKNESS: $\frac{1}{2}$ "
WEB THICKNESS: $\frac{5}{16}$ "

ORIGINAL SECTION

SCALE: N.T.S.

Title		Description	
SECT. LOSS 1		ALL BMS.	
Bridge No: 010092	Drawn By: RAP	Date: 11/20/08	File Name: S0138072420

Bridge Inspection Field Sketch

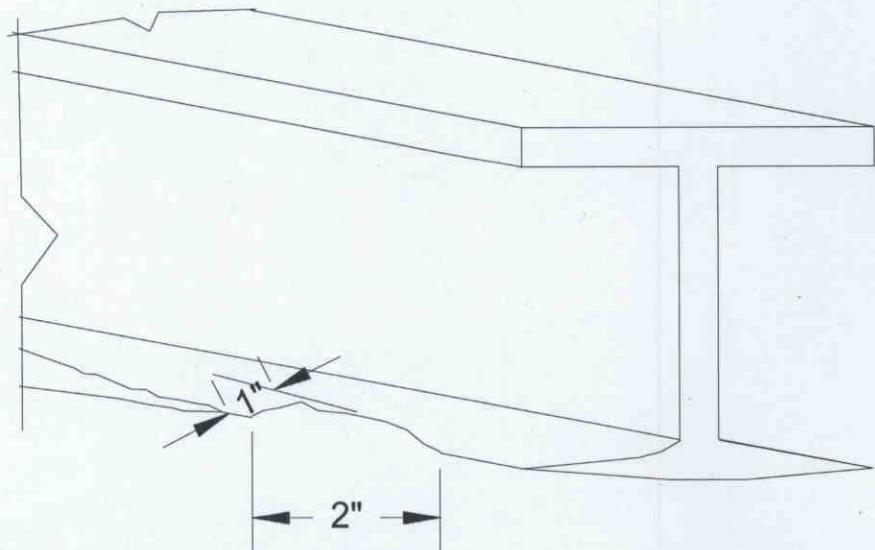
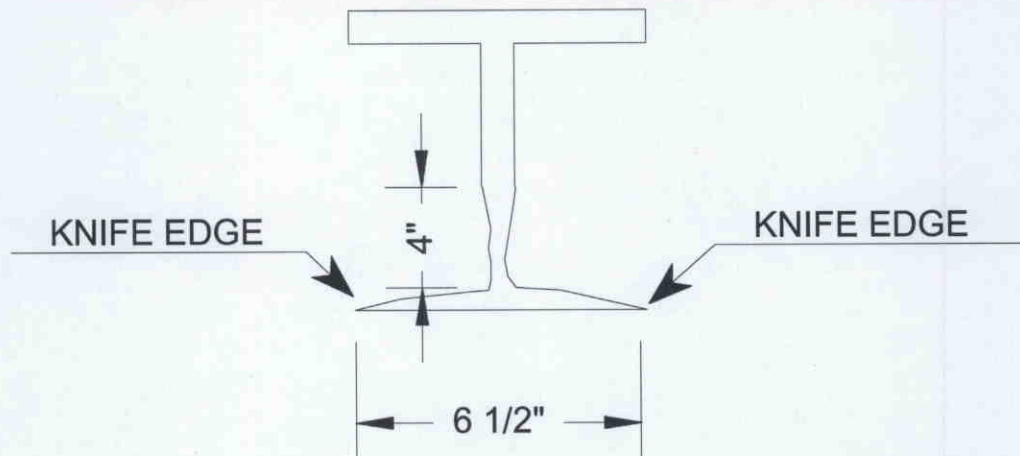
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SECT. LOSS ON BM. # 3 SPAN # 1 @ ABUT. # 1

LOSS EXTENDS FROM END OF BM. BACK APPROX. 12"

SEE SECT. LOSS 1 FOR ORIGINAL SECTION

FEW BM. ENDS REPAIRED: SEE BM. REPAIR SHEETS.



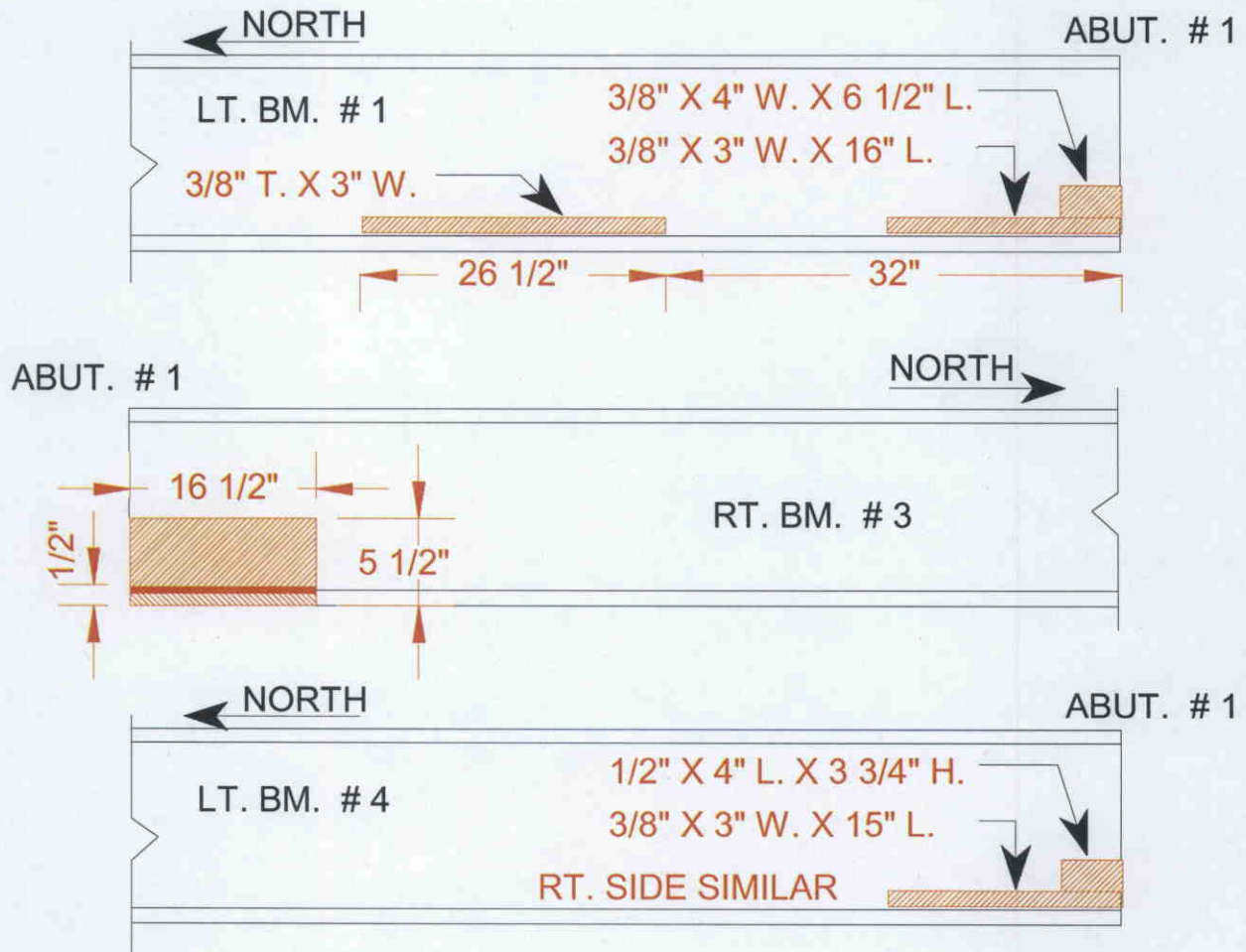
SCALE: N.T.S.

Title		Description	
SECT. LOSS 2		BM. # 2 SPAN # 1 @ ABUT. # 1	
Bridge No: 010092	Drawn By: RAP	Date: 11/20/08	File Name: S0138072421

Bridge Inspection Field Sketch

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REPAIRS TO BM. # 2 - 4 IN SPAN # 1 @ ABUT. # 1

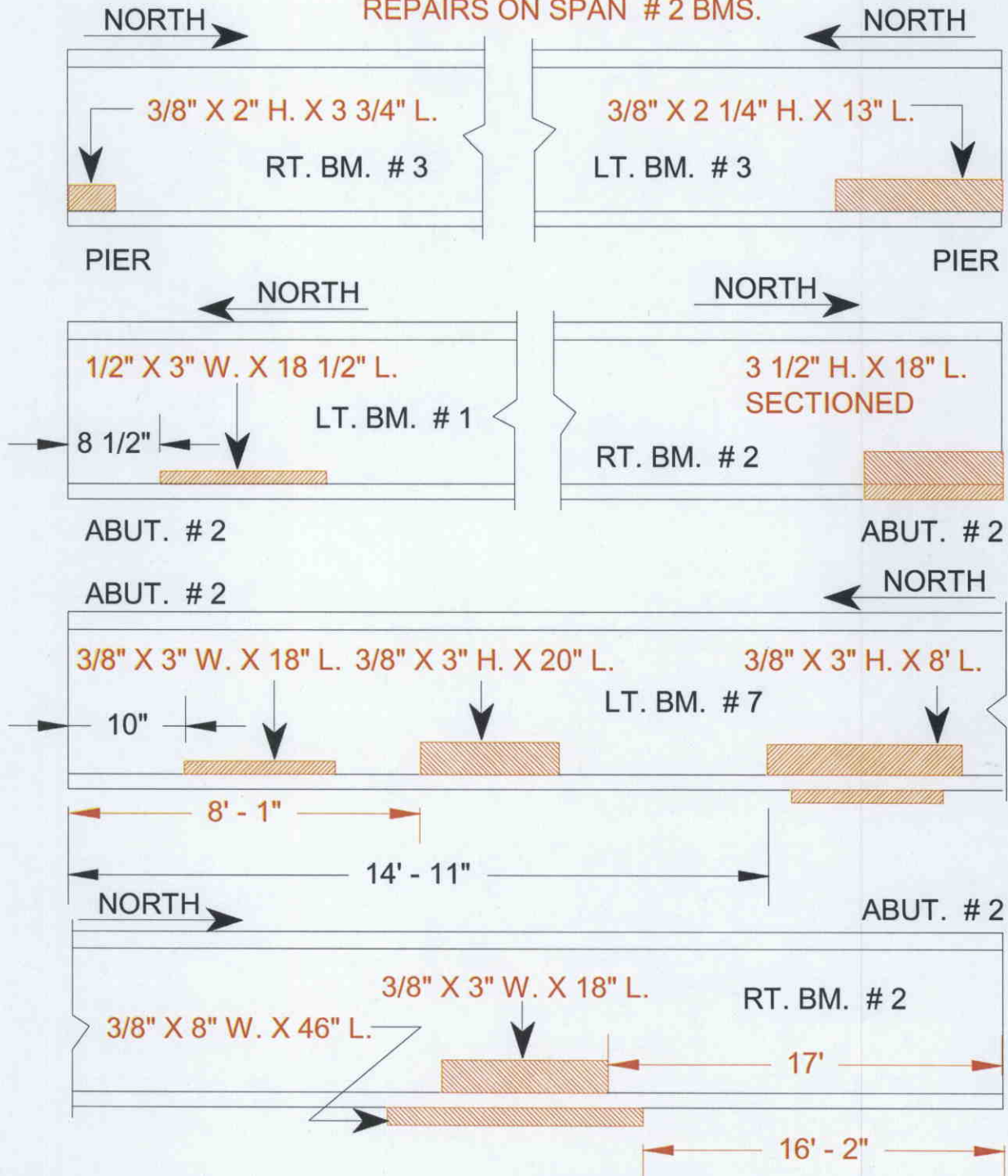


Title BM. REPAIR		Description SPAN # 1 @ ABUT. # 1	
Bridge No: 010092	Drawn By: RAP	Date: 10/4/2010	File Name: S0138072583

Bridge Inspection Field Sketch

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REPAIRS ON SPAN # 2 BMS.



Title

BM. REPAIR # 2

Description

SPAN # 2

Bridge No: 010092

Drawn By: RAP

Date: 10/4/2010

File Name: S0138072584



SOUTH TO NORTH



UPSTREAM



DOWNSTREAM



LOOKING SOUTH



ABUT. B



WEST PROFILE



NORTH FACE OF PIER



ABUT. A



WEST PROFILE



EAST PROFILE