



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE, TEMPORARY REPAIR

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY CALDWELL BRIDGE NUMBER 130123 INSPECTION CYCLE 0 YRS
ROUTE SR1356 ACROSS ESTES MILL CREEK M.P. 0

LOCATION 2.6 MI.SW.JCT.NC90

SUPERSTRUCTURE TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST & SILLS @VAR. CENTERS

SPANS 1 @ 25'-10

LONGITUDE 81° 42' 29.48"

LATITUDE 35° 57' 45.78"

INSPECTION DATE 02/07/2014

PRESENT CONDITION FAIR

PRESENT POSTING SV 19 TTST 25 SV 19 TTST 25 PROPOSED POSTING

OTHER SIGNS PRESENT (2) ONE LANE BRIDGE SIGN, (4) DELINEATORS



LOOKING NORTH

Fracture Critical	<u>No</u>
Temporary Shoring	<u>No</u>
Scour Critical	<u>No</u>
Scour POA	<u>No</u>

SIGN NOTICE ISSUED FOR		NUMBERED REQUIRED
<u>No</u>	WEIGHT LIMIT	
<u>No</u>	DELINEATORS	
<u>No</u>	NARROW BRIDGE	
<u>No</u>	ONE LANE BRIDGE	
<u>No</u>	LOW CLEARANCE	

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

BRIDGE: 130123 COUNTY: CALDWELL DATE: 4/24/2008

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>3</i>	<i>TSE 5/13/08</i>
S I & A ITEM 64 OPERATING RATING		
HS 0	BY:	FK
S I & A ITEM 66 - INVENTORY RATING		
HS 0	BY:	FK

COMMENTS

TEMPORARY REPAIRS:SOME OF THE POSTS ARE SUPPLIMENTED AT BOTH
THE ABUTMENTS.

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

Run Date: 03/06/2014

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	130123		SUFFICIENCY RATING =		32.52	
(8) STRUCTURE NUMBER(FEDERAL)		000000000270123		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31013560					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	27	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	ELIJAH ESTES MILL CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	SR1356			(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION	2.6 MI.SW.JCT.NC90			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	35° 57' 45.78"	(17)LONG	81° 42' 29.48"	(102)DIRECTION OF TRAFFIC -	One Lane Bridge, 2-way Traffic	3	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -	Temporary Structure/Conditions	T	
(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 Multibeam or Girder	CODE	302	(59) SUPERSTRUCTURE		7	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		3	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		7	
(45) NUMBER OF SPANS IN MAIN UNIT			1	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	8	CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	Unknown	0	
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Load Factor	1	
(B) TYPE OF MEMBRANE -		CODE		(64) OPERATING RATING -	HS-1	1	
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-1	1	
				(70) BRIDGE POSTING -	Posting Required	1	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1958	(67) STRUCTURAL EVALUATION		3	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		7	
(42) TYPE OF SERVICE : ON -	Highway			(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER -	Waterway	CODE	15	(71) WATERWAY ADEQUACY		7	
(28) LANES: ON STRUCTURE	1 UNDER STRUCTURE		0	(72) APPROACH ROADWAY ALIGNMENT		8	
(29) AVERAGE DAILY TRAFFIC			100	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2000	(109) TRUCK ADT PCT	%	(113)SCOUR CRITICAL BRIDGES		U	
(19) BYPASS OR DETOUR LENGTH			10 MI				
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN			24 FT				
(49) STRUCTURE LENGTH			26 FT				
(50)CURB OR SIDEWALK: LEFT	1 FT RIGHT		1 FT				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			15.833 FT				
(52) DECK WIDTH OUT TO OUT			18 FT				
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			12 FT				
(33) BRIDGE MEDIAN -	No Median	CODE	0				
(34) SKEW	30°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			15.833 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT				
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		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	200	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE		02/07/2014	
				(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
				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: 03/06/2014

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
CALDWELL	11	2	130123	26	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1356	ELIJAH ESTES MILL CREEK

LOCATED :	BRIDGE NAME :	CITY :
2.6 MI.SW.JCT.NC90		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	100 2000	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1958	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	60	ON 1	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		7 FT		1		FT

SUPERSTRUCTURE :	TIMBER FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS:TIMBER CAPS/TIMBER POST & SILLS @ VAR. CENTERS
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SPANS :	1 @ 25'-10
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BEAMS OR GIRDERS :	8 LINES 12 I-BEAMS @ 2'-4 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/1 AWS		18 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
15.833 FT	17.833 FT	LT 1 FT RT 1 FT

VERT.CL.OVER :	
999.9 FT	

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	INT BM	SV 19	25	09/30/2008

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. 130123 COUNTY CALDWELL
 STRUCTURE TYPE TIMBER FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N

ROUTE SR1356

OVER ESTES MILL CREEK

SPANS 1 @ 25'-10

EVALUATION CODES: CRITICAL (C, 0 - 3); POOR (P, 4); FAIR (F, 5, 6); GOOD (G, 7 - 9)

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES	ITEM 61			
1. WEARING SURFACE			G	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE				b. ALIGNMENT	G	
	b. TIMBER	1	G		c. SCOUR	G	
	c. STEEL PLANK				d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
	d. OPEN GRID			50. APPROACH ROADWAY CONDITION	G		
3. RAILING	a. CONCRETE			51. APPROACH SLABS			
	b. TIMBER		G	52. PAINT SYSTEM CODE A	G		
	c. ALUMINUM			53. UTILITIES			
	d. STEEL			54. RESPONSE TO LIVE LOAD	G		
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G	55. ESTIMATED REMAINING LIFE	15		
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)			
	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	7		
10. LONGITUDINAL BEAMS OR GIRDERS			G	b. SUPERSTRUCTURE ITEM 59	7		
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				71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS				a. WATERWAY ADAQUACY	7		
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				b. APPR. RDWY. ALIGNMENT	7		
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	72. FIELD SCOUR EVALUATION			
17. MOVABLE SPAN MACHINERY				L			
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)				USE OF INSP. ACCESSIBILITY EQUIPMENT			
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		F	SNOOPER (CODE S, 4, OR N)	HRS	NO	
	b. PILES, POST, SILLS, & BRACING		TSE F	LADDER		NO	
	c. BULKHEADS, WING'S, & TIE BACKS		P F	BUCKET TRUCK		NO	
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		3/3/14	BOAT		NO	
	b. ABUT. & BENT COL'S BREASTWALLS			OTHER		NO	
	c. ABUT. & INT. BENT PILES						
	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:	Don Williams		
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 MARK A AVERETTE			
Assisted By JMS			
Item No.	Grade		
1	G	UP TO 1/4" TRANSVERSE CRACKS IN TOP OF DECK ASPHALT WEARING SURFACE. UP TO 1/16" LONGITUDINAL AND TRANSVERSE CRACKS IN DECK ASPHALT WEARING SURFACE.	
3b	F	2 1/2" X 1 1/2" X 3 1/2" DEEP AREA OF DECAY IN WEST BRIDGE RAIL NEAR ABUTMENT 1. PEELING PAINT WITH CHECKS ON WEST BRIDGE RAIL.	
4	G	13" X 3" X 1" DEEP AREA OF DECAY IN SOUTH END OF EAST CURB. CHECKS AND CRACKS IN EAST AND WEST CURBS.	
7	F	VEGETATION GROWTH IN EAST GUTTER.	
10	G	PEELING PAINT WITH SURFACE RUST ON BOTH FLANGES OF EACH BEAM. FLAKING RUST ON TOP FLANGE OF BEAM 1.	
10A	NO	NO CURVED BEAMS.	
35a	F	5" NORTHERN LEAN OF ABUTMENT 1 8" SOUTHERN LEAN OF ABUTMENT 2. FULL LENGTH UP TO 1/8" HORIZONTAL CRACK IN ABUTMENT 2 CAP.	
35b	F	56" X 6" X 4" DEEP AREA OF DECAY IN BULKHEAD PILE AT EAST END OF ABUTMENT 1. VERTICAL CRACK IN PILE 5 OF ABUTMENT 2 (ALL PILES SIMILAR). LACK OF BEARING AT PILE 4 OF ABUTMENT 2 TEMPORARY REPAIR. UP TO 15" X 5" X 1 1/2" DEEP AREA OF DECAY IN BULKHEAD PILE ON WEST END OF ABUTMENT 1.	

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 MARK A AVERETTE			
Assisted By JMS			
Item No.	Grade		
35c	P	(3) UP TO 60" X 10" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL. 26" X 8" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL. 16" X 5 1/2" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS. 7' X 6" X 3" DEEP AREA OF DECAY IN ABUTMENT 2 BULKHEAD BOARDS BEHIND PILE 5. 36" X 8" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS. (2) 43" X 3 1/2" X 2" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS. 9" X 2 1/2" X 3/4" DEEP AREA OF DECAY IN ABUTMENT 1 BULKHEAD BOARDS BETWEEN PILES 4 AND 5. VEGETATION GROWTH ON SOUTHEAST WINGWALL (ALL WINGWALLS SIMILAR). 3 1/2" X 7 1/2" X 3" DEEP AREA OF DECAY IN EAST END OF ABUTMENT 1 BULKHEAD BOARD. 19" X 3" X 3" DEEP AREA OF DECAY IN EAST END OF ABUTMENT 1 BULKHEAD BOARDS. 60" X 2 1/2" X 3" DEEP AREA OF DECAY IN SOUTHEAST WINGWALL. 27" X 3" X 3" DEEP AREA OF DECAY IN NORTHEAST WINGWALL. 11" X 4" X 3" DEEP AREA OF DECAY ON EAST END OF ABUTMENT 2 BULKHEAD BOARDS. 8 1/2" X 1 1/2" X 2" DEEP AREA OF DECAY ON EAST END OF ABUTMENT 2 BULKHEAD BOARDS. 72" X 17" X 3" DEEP AREA OF DECAY IN NORTHWEST WINGWALL. 12" X 10" X 3" DEEP AREA OF DECAY AND MISALIGNED BOARDS IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 130123

County CALDWELL

Date: 02/07/2014

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 TSE	16" X 5 1/2" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS.	
 3344	Repair / Replace Timber Substructure Components	LF	10 3/3/14	7' X 6" X 3" DEEP AREA OF DECAY IN ABUTMENT 2 BULKHEAD BOARDS BEHIND PILE 5. 36" X 8" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS.	
 3344	Repair / Replace Timber Substructure Components	LF	5	56" X 6" X 4" DEEP AREA OF DECAY IN BULKHEAD PILE AT EAST END OF ABUTMENT 1.	
 3346	Repair / Maintain Timber Wings & Blkhds	SF	14 TSE	(3) UP TO 60" X 10" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL. 26" X 8" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL	
3344	Repair / Replace Timber Substructure Components	LF	14	(2) 43" X 3 1/2" X 2" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS. 9" X 2 1/2" X 3/4" DEEP AREA OF DECAY IN ABUTMENT 1 BULKHEAD BOARDS BETWEEN PILES 4 AND 5. 3 1/2" X 7 1/2" X 3" DEEP AREA OF DECAY IN EAST END OF ABUTMENT 1 BULKHEAD BOARD. 19" X 3" X 3" DEEP AREA OF DECAY IN EAST END OF ABUTMENT 1 BULKHEAD BOARDS. 11" X 4" X 3" DEEP AREA OF DECAY ON EAST END OF ABUTMENT 2 BULKHEAD BOARDS. 8 1/2" X 1 1/2" X 2" DEEP AREA OF DECAY ON EAST END OF ABUTMENT 2 BULKHEAD BOARDS. 12" X 10" X 3" DEEP AREA OF DECAY AND MISALIGNED BOARDS IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS. UP TO 15" X 5" X 1 1/2" DEEP AREA OF DECAY IN BULKHEAD PILE ON WEST END OF ABUTMENT 1.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 130123

County CALDWELL

Date: 02/07/2014

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	10	60" X 2 1/2" X 3" DEEP AREA OF DECAY IN SOUTHEAST WINGWALL. 27" X 3" X 3" DEEP AREA OF DECAY IN NORTHEAST WINGWALL. 72" X 17" X 3" DEEP AREA OF DECAY IN NORTHWEST WINGWALL.	
3376	Clean/Wash Bridge Decks	SF	52	VEGETATION GROWTH IN EAST GUTTER.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130123

County CALDWELL

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF
Location:		
Abutment Substructure	Bent/Span No. 1	ABUTMENT 1 BULKHEAD BOARDS
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/07/2014	MARK A AVERETTE	JONATHAN M SIMPSON
Details		
16" X 5 1/2" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS.		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	10 LF
Location:		
Abutment Substructure	Bent/Span No. 2	ABUTMENT 2 BULKHEAD BOARDS
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/07/2014	MARK A AVERETTE	JONATHAN M SIMPSON
Details		
7' X 6" X 3" DEEP AREA OF DECAY IN ABUTMENT 2 BULKHEAD BOARDS BEHIND PILE 5. 36" X 8" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130123 County CALDWELL

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	5 LF
Location:		
Abutment Substructure	Bent/Span No. 1	ABUTMENT 1 POST
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/11/2014	MARK A AVERETTE	JONATHAN M SIMPSON
Details		
56" X 6" X 4" DEEP AREA OF DECAY IN BULKHEAD PILE AT EAST END OF ABUTMENT 1.		

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhdrs	14 SF
Location:		
Abutment Substructure	Bent/Span No. 1	SOUTHWEST WINGWALL
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/07/2014	MARK A AVERETTE	JONATHAN M SIMPSON
Details		
(3) UP TO 60" X 10" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL. 26" X 8" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL		



(3) UP TO 60" X 10" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL



26" X 8" X 3" DEEP AREA OF DECAY IN SOUTHWEST WINGWALL



16" X 5 1/2" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS



7' X 6" X 3" DEEP AREA OF DECAY IN ABUTMENT 2 BULKHEAD BOARDS BEHIND PILE 5



36" X 8" X 3" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS



UP TO 1/4" TRANSVERSE CRACKS IN TOP OF DECK ASPHALT WEARING SURFACE



UP TO 1/16" LONGITUDINAL AND TRANSVERSE CRACKS IN DECK ASPHALT WEARING SURFACE



VEGETATION GROWTH IN EAST GUTTER



PEELING PAINT WITH CHECKS ON WEST BRIDGE RAIL



13" X 3" X 1" DEEP AREA OF DECAY IN SOUTH END OF EAST CURB



CHECKS AND CRACKS IN WEST CURB (EAST CURB SIMILAR)



(2) 43" X 3 1/2" X 2" DEEP AREA OF DECAY IN WEST END OF ABUTMENT 1 BULKHEAD BOARDS



9" X 2 1/2" X 3/4" DEEP AREA OF DECAY IN ABUTMENT 1 BULKHEAD BOARDS BETWEEN PILES 4 AND 5



VEGETATION GROWTH ON SOUTHEAST WINGWALL (ALL WINGWALLS SIMILAR)



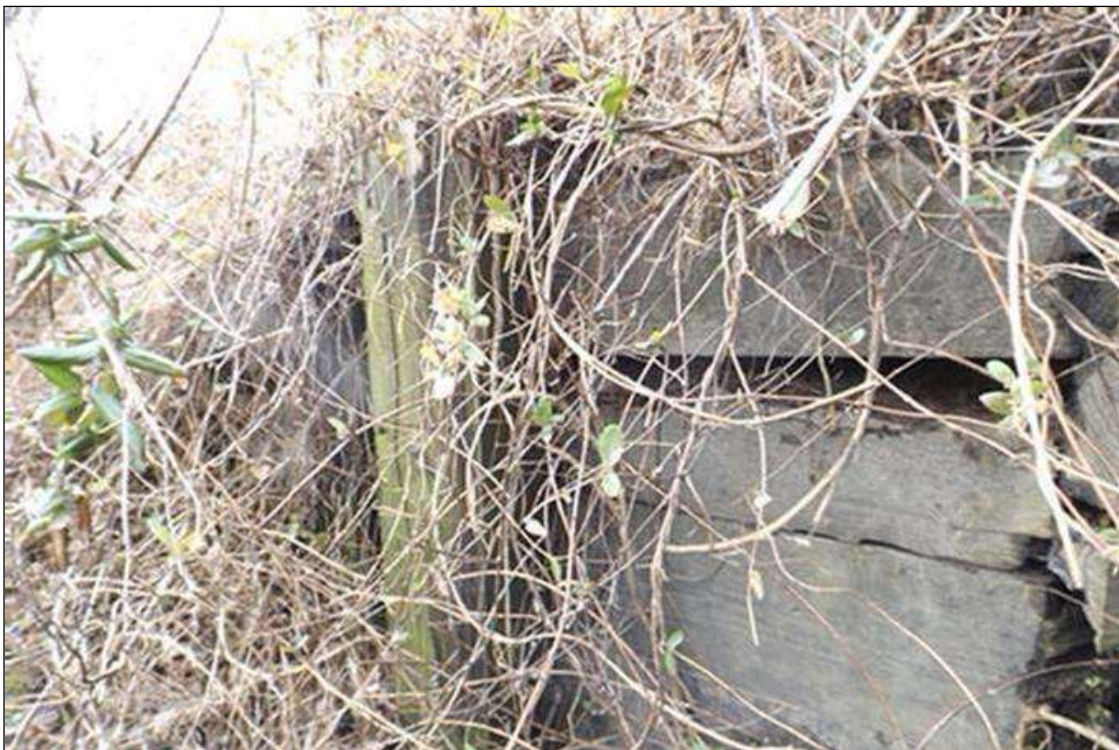
56" X 6" X 4" DEEP AREA OF DECAY IN BULKHEAD PILE AT EAST END OF ABUTMENT 1



3 1/2" X 7 1/2" X 3" DEEP AREA OF DECAY IN EAST END OF ABUTMENT 1 BULKHEAD BOARD



19" X 3" X 3" DEEP AREA OF DECAY IN EAST END OF ABUTMENT 1 BULKHEAD BOARDS



60" X 2 1/2" X 3" DEEP AREA OF DECAY IN SOUTHEAST WINGWALL



5" NORTHERN LEAN OF ABUTMENT 1



2 1/2" X 1 1/2" X 3 1/2" DEEP AREA OF DECAY IN WEST BRIDGE RAIL NEAR ABUTMENT 1



PEELING PAINT WITH SURFACE RUST ON BOTH FLANGES OF BEAM 3 (ALL BEAMS SIMILAR)



FLAKING RUST ON TOP FLANGE OF BEAM 1



27" X 3" X 3" DEEP AREA OF DECAY IN NORTHEAST WINGWALL



8" SOUTHERN LEAN OF ABUTMENT 2



11" X 4" X 3" DEEP AREA OF DECAY ON EAST END OF ABUTMENT 2 BULKHEAD BOARDS



8 1/2" X 1 1/2" X 2" DEEP AREA OF DECAY ON EAST END OF ABUTMENT 2 BULKHEAD BOARDS



FULL LENGTH UP TO 1/8" HORIZONTAL CRACK IN ABUTMENT 2 CAP



VERTICAL CRACK IN PILE 5 OF ABUTMENT 2 (ALL PILES SIMILAR)



LACK OF BEARING AT PILE 4 OF ABUTMENT 2 TEMPORARY REPAIR



72" X 17" X 3" DEEP AREA OF DECAY IN NORTHWEST WINGWALL



12" X 10" X 3" DEEP AREA OF DECAY AND MISALIGNED BOARDS IN WEST END OF ABUTMENT 2 BULKHEAD BOARDS

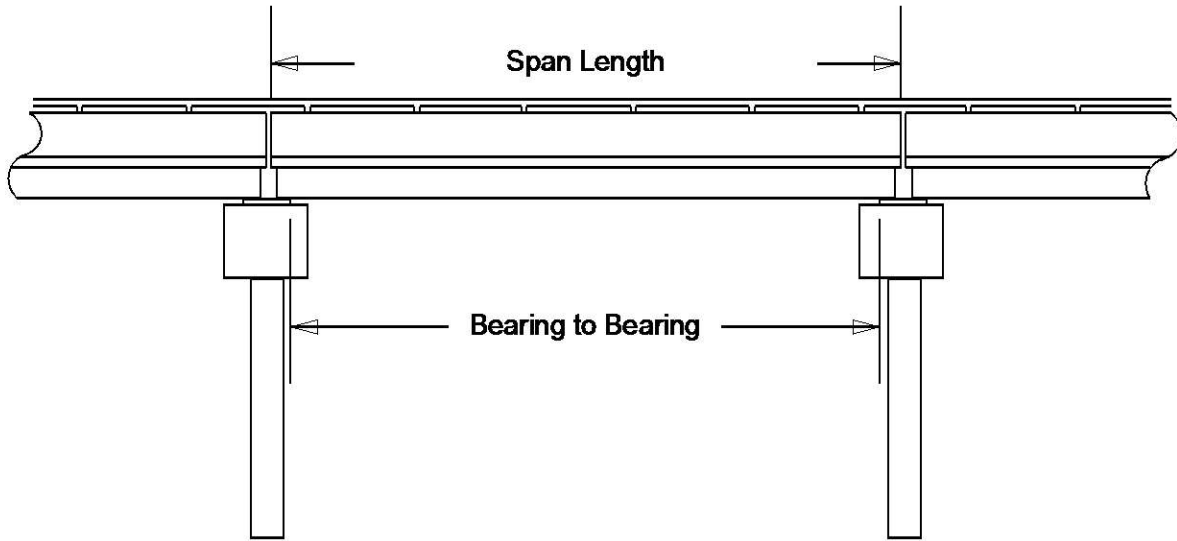


UP TO 15" X 5" X 1 1/2" DEEP AREA OF DECAY IN BULKHEAD PILE ON WEST END OF ABUTMENT 1

Structure Data Worksheet

Spans

County: CALDWELL Structure No: 130123 Date: 02/07/2014 Inspected By: MAA



Span No	Span Length	Bearing to Bearing	Comments
1	25.833'	24.167'	NBIS LENGTH = 23.5'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 130123 County: CALDWELL Date: 02/07/2014 By: MAA

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 BACKWALL			
0.3	3	TOP OF BACKWALL			
0.31	4.7	Top of Cap			
0.32	8.6	FACE OF ABUTMENT	0.32	8.4	FACE OF ABUTMENT
8	9.6	Water Surface/Water Edge (WSWE)			
14	10.2				
23	9.9	Water Surface/Water Edge (WSWE)			
25.5	8.4	FACE OF ABUTMENT	25.5	7.9	FACE OF ABUTMENT
25.51	4.7	Top of Cap			
25.52	3	TOP OF BACKWALL			
25.8	3	TOP OF BACKWALL			

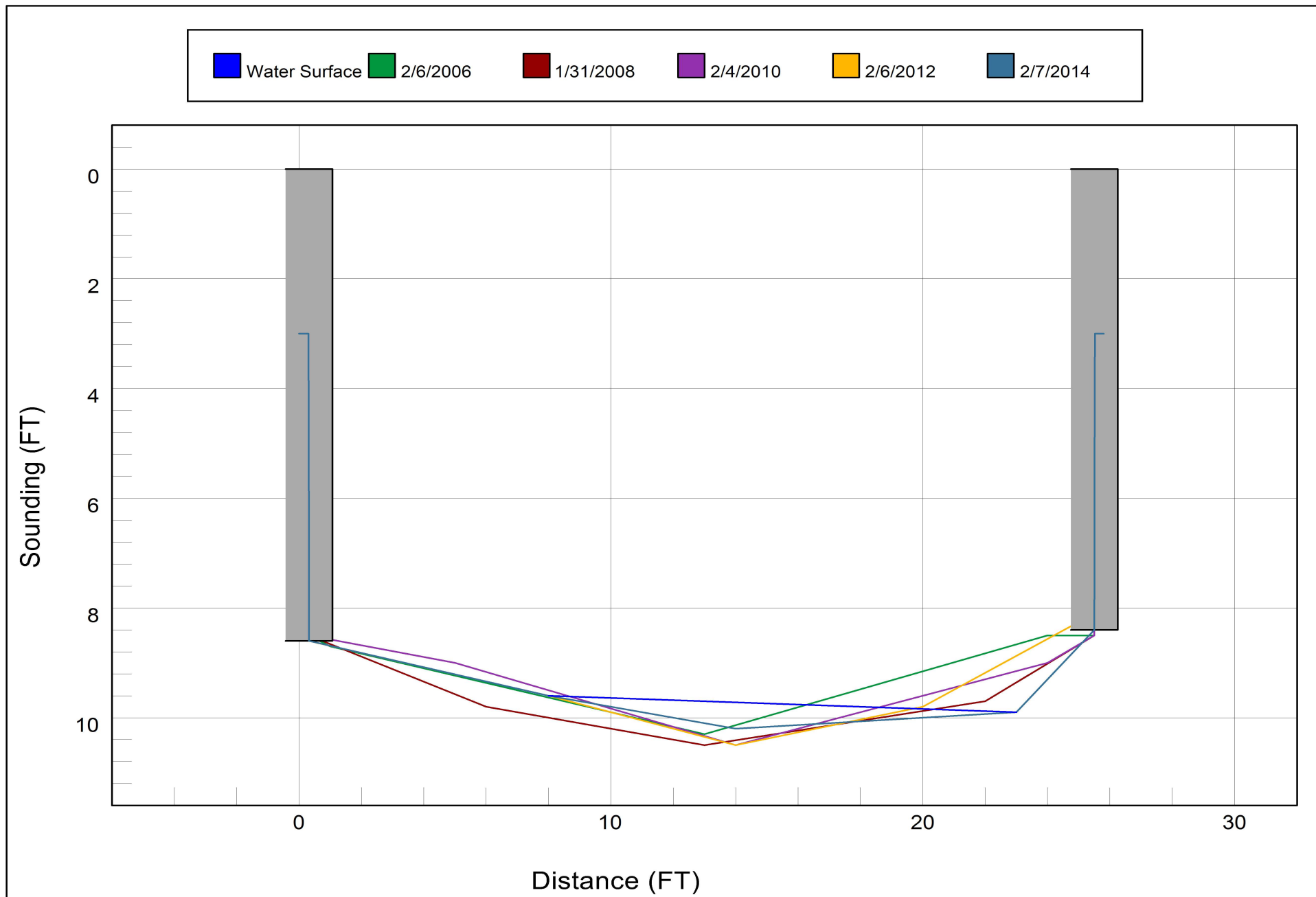
Bridge: 130123

County CALDWELL

Date: 02/07/2014

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	12ft Wide	2 Unpaved Lanes	Looking North
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	2ft Wide		2ft Unpaved
Left Guardrail			
Right Guardrail			

SKETCH MODIFIED 2/7/14 BY MAA

Title

APPROACH.

Description

APPROACH. ROADWAY.

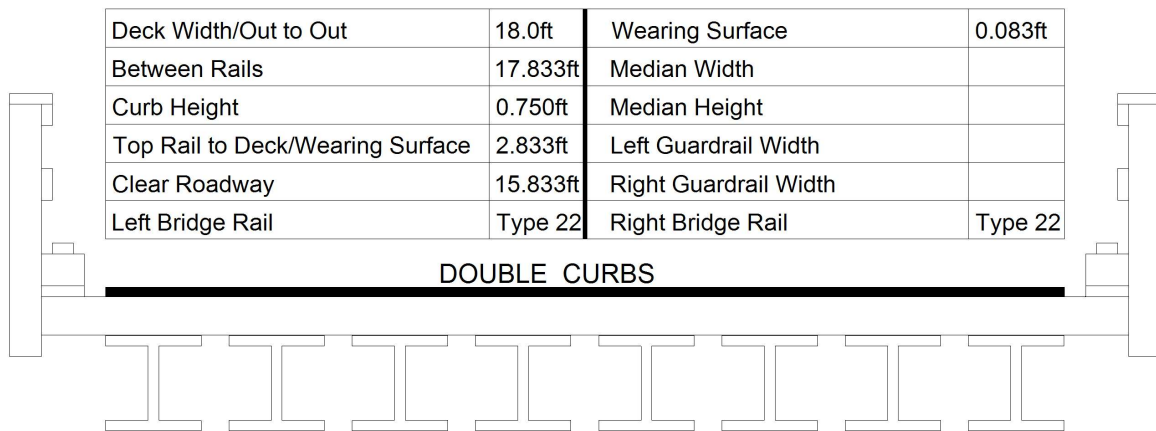
Bridge No: 130123

Drawn By: G.R.R

Date: 01/31/2008

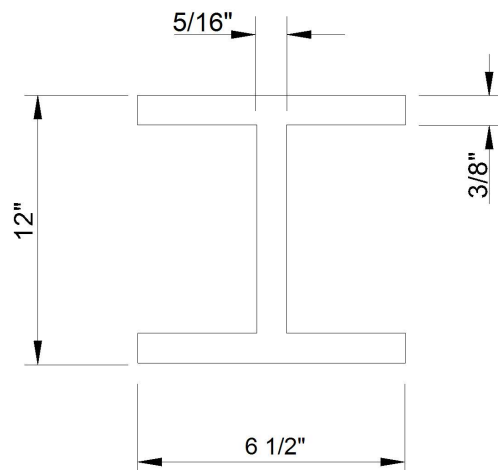
File Name: S0126000568

Bridge Inspection Field Sketch



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.833
Top of Rail to Bottom of Beam	4.583	Right Overhang	0.833

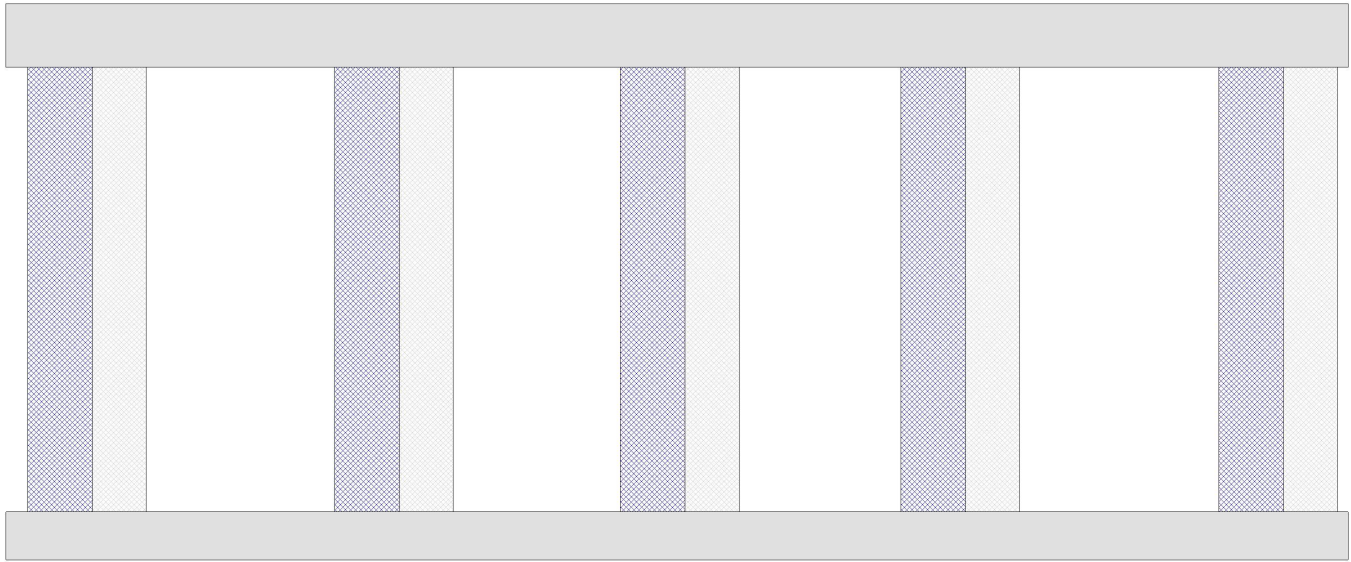
Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.333ft	
2	Steel I Beam	2.333ft	
3	Steel I Beam	2.333ft	
4	Steel I Beam	2.333ft	
5	Steel I Beam	2.333ft	
6	Steel I Beam	2.333ft	
7	Steel I Beam	2.333ft	
8	Steel I Beam		



SKETCH VERIFIED 2/7/14 BY MAA

Title TYPICAL SECTION		Description LOOKING NORTH	
Bridge No: 130123	Drawn By: DCW	Date: 01/31/2008	File Name: S0126000563

Bridge Inspection Field Sketch

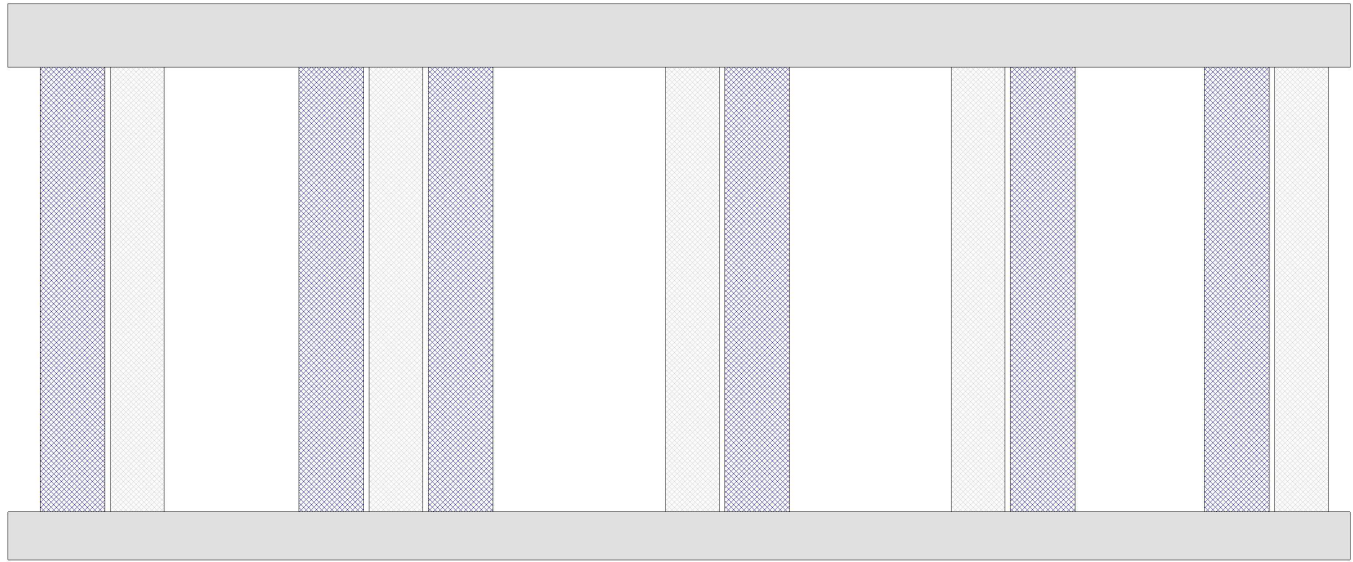


Cap Information			Material TIMBER							
Length 20.75 ft.	Width 0.833 ft.	Height 0.98 ft.	Left Overhang 0.833 ft.	Right Overhang 0.75 ft.	Left Beam to End of Cap. .583 ft.	Right Beam to End of Cap. 1 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	.917 ft.	1 ft.	0.833 ft.		Vertical	No	Yes	No	No
2	Timber	3.833 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
3	Timber	.917 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
4	Timber	3.5 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
5	Timber	.917 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
6	Timber	3.417 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
7	Timber	.917 ft.	1 ft.			Vertical	No	Yes	No	No
8	Timber	4 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
9	Timber	0.917 ft.	1 ft.			Vertical	No	Yes	No	No
10	Timber		.833 ft.	.833 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents:							

SKETCH VERIFIED 2/7/14 BY MAA

Title SUB 1		Description SUB AB 1	
Bridge No: 130123	Drawn By: G.R.R.	Date: 01/31/2008	File Name: S0130000563

Bridge Inspection Field Sketch



Cap Information				Material Timber						
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
20.75 ft.	0.833 ft.	0.98 ft.	1 ft.	0.75 ft.	.917 ft.	.833 ft.				
Subcap Information				Material						
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information				Material						
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	1 ft.	1 ft.	.833 ft.		Vertical	No	Yes	No	No
2	Timber	3 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
3	Timber	1 ft.	1 ft.	.833 ft.		Vertical	No	Yes	No	No
4	Timber	1 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
5	Timber	3.5833 ft.	1 ft.	.833 ft.		Vertical	No	Yes	No	No
6	Timber	1 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
7	Timber	3.417 ft.	1 ft.			Vertical	No	Yes	No	No
8	Timber	1 ft.	.833 ft.	.833 ft.		Vertical	No	No	No	No
9	Timber	3 ft.	1 ft.	.833 ft.		Vertical	No	Yes	No	No
10	Timber	1 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
11	Timber		.833 ft.	0.833 ft.		Vertical	No	No	No	No
Bent/Abutment #: 2 Similar Bents:										

SKETCH VERIFIED 2/7/14 BY MAA

Title ABUTMENT 2		Description LOOKING NORTH	
Bridge No: 130123	Drawn By: G.R.R.	Date: 01/31/2008	File Name: S0130000564



LOOKING NORTH



LOOKING SOUTH



UPSTREAM VIEW, LOOKING WEST



DOWNSTREAM VIEW, LOOKING EAST



BRIDGE RAIL ON EAST SIDE (WEST SIDE SIMILAR)



DELINEATOR AT SOUTHEAST CORNER (ALL CORNERS SIMILAR)



WEIGHT LIMIT SIGN AT SOUTH APPROACH (NORTH APPROACH SIMILAR)



UPSTREAM PROFILE, LOOKING EAST



DOWNSTREAM PROFILE, LOOKING WEST



UNDERSIDE OF SUPERSTRUCTURE



ABUTMENT 2 (ABUTMENT 1 SIMILAR)



NORTHWEST WINGWALL (ALL OTHERS SIMILAR)



ONE LANE BRIDGE SIGN IN SOUTH APPROACH (NORTH APPROACH SIMILAR)



TEMPORARY REPAIR - ABUTMENT 1 PILES (ABUTMENT 2 SIMILAR)