



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE NOTICE ISSUED FOR
WEIGHT LIMIT

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY ALLEGHANY BRIDGE NUMBER 020057 INSPECTION CYCLE 0 YRS
ROUTE SR1193 ACROSS WATERFALL CREEK M.P. 0

LOCATION .1 MI.S.JCT.SR1131

SUPERSTRUCTURE TIMBER FLOOR SALVAGED I-BEAMS

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

SPANS 1 @ 40'-6

LONGITUDE 81° 9' 18.11"

LATITUDE 36° 27' 32.60"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 09/05/2012

OPERATING RATING

PRESENT POSTING SV 41 TTST 44 SV 41 TTST 44

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT (4) DELINEATORS; (2) NARROW BRIDGE SIGN



SOUTH APPROACH LOOKING NORTH

SIGN NOTICE ISSUED FOR		NUMBERED REQUIRED
<u>Yes</u>	WEIGHT LIMIT	<u>1</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

Run Date: 10/22/2012

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	020057		SUFFICIENCY RATING =	16.26		
(8) STRUCTURE NUMBER(FEDERAL)		000000000050057		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31011930					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	5	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -	YES		
(6) FEATURE INTERSECTED -	WATERFALL CREEK			(104)HIGHWAY SYSTEM	Is not on NHS 0		
(7) FACILITY CARRIED	SR1193			(26) FUNCTIONAL CLASS -	Local 09		
(9) LOCATION	.1 MI.S.JCT.SR1131			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route 0		
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure N		
(16)LAT	36° 27' 32.60"	(17)LONG	81° 9' 18.11"	(102)DIRECTION OF TRAFFIC -	2-way Traffic 2		
(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 Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE	5		
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE	4		
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					
(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			1961	(31) DESIGN LOAD	Unknown 0		
(106)YEAR RECONSTRUCTED				(63) OPERATING RATING METHOD -	Load Factor		
(42) TYPE OF SERVICE : ON -	Highway			(64) OPERATING RATING -	HS-1 101		
UNDER -	Waterway		CODE 15	(65) INVENTORY RATING METHOD -	Load Factor		
(28) LANES: ON STRUCTURE	2	UNDER STRUCTURE	0	(66) INVENTORY RATING -	HS-1 101		
(29) AVERAGE DAILY TRAFFIC			350	(70) BRIDGE POSTING -	Posting Required 4		
(30) YEAR OF ADT	2008	(109) TRUCK ADT PCT	6%	(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P		
(19) BYPASS OR DETOUR LENGTH			18 MI	DESCRIPTION -	Posted for Load		
GEOMETRIC DATA				APPRAISAL			
(48) LENGTH OF MAXIMUM SPAN			39 FT	(67) STRUCTURAL EVALUATION	3		
(49) STRUCTURE LENGTH			41 FT	(68) DECK GEOMETRY	3		
(50)CURB OR SIDEWALK: LEFT	.3 FT	RIGHT	.3 FT	(69) UNDERCLEARANCES,VERTI & HORIZ	N		
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			19.083 FT	(71) WATERWAY ADEQUACY	7		
(52) DECK WIDTH OUT TO OUT			20 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	(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			19.083 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	880	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE	09/05/2012		
				(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: 10/22/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ALLEGHANY	11	1	020057	41	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1193	WATERFALL CREEK

LOCATED :	BRIDGE NAME :	CITY :
.1 MI.S.JCT.SR1131		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	350 2008	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1961	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	90	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		9 FT		1		FT

SUPERSTRUCTURE :	TIMBER FLOOR SALVAGED I-BEAMS
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SUBSTRUCTURE :	E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR.CENTERS
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SPANS :	1 @ 40'-6
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BEAMS OR GIRDERS :	13 LINES 18 I-BEAMS @ 1'-6 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/1 AWS		20 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
19.083 FT	19.75 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	intbm#4	SV 41	44	02/24/2009

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection - Contract

BRIDGE NO. 020057 COUNTY ALLEGHANY

ROUTE SR1193

OVER WATERFALL CREEK

STRUCTURE TYPE TIMBER FLOOR SALVAGED I-BEAMS

ROUTE ORIENTATION S - N

SPANS 1 @ 40'-6

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			F	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
					b. ALIGNMENT	G	
					c. SCOUR	G	
					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			F
	b. TIMBER	1	G	51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM			CODE A F
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER		G	55. ESTIMATED REMAINING LIFE			20
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G				
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			YES
	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)			F				
				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	7	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			G	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)			F	a. WATERWAY ADAQUACY		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		7	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			O
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		F	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)			G				
40. FENDER SYSTEMS				80. INSPECTED BY:	Kevin A.		
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 Inspection & Analysis</u>	
Team Leader KEVIN SU			
Assisted By RP			
Item No.	Grade		
1	F	FULL WIDTH TRANSVERSE CRACKS UP TO 1/8" WIDE ALONG THE DECK BOARDS AND WATER PONDING THROUGHOUT THE BRIDGE [SEE PHOTOS].	
7	F	VEGETATION GROWTH ALONG THE EAST CURB [SEE PHOTO].	
10	F	PEELING PAINT AND SURFACE RUST ALONG THE TOP AND BOTTOM FLANGES OF ALL BEAMS [SEE PHOTOS]. THERE IS DELAMINATING STEEL WITHOUT MEASUREABLE SECTION LOSS ALONG THE BOTTOM FLANGE OF BEAM 13 NEAR ABUTMENT 1 [SEE PHOTO]. THE SALVAGED BEAMS HAVE AREAS OF SURFACE PITTING THROUGHOUT THE BOTTOM FLANGE.	
10A	NO	THERE ARE NO CURVED GIRDERS.	
12	G	SURFACE RUST ON THE INTERMEDIATE DIAPHRAGMS [SEE PHOTO].	
15	F	SURFACE RUST THROUGHOUT THE ANCHOR BOLTS.	
52	F	PEELING PAINT ALONG THE TOP AND BOTTOM FLANGES OF ALL BEAMS AND FRECKLED RUST THROUGHOUT THE INTERMEDIATE DIAPHRAGMS [SEE PHOTOS].	
35b	G	DISCOLORATION, CHECKS AND SPLITS UP TO 1/16" WIDE IN THE ORIGINAL PILES. THERE IS 3/4" GAP WITH LOSS OF BEARING BETWEEN PILE 9 AND ABUTMENT 1 CAP [SEE PHOTO].	
35c	F	THE THIRD BOARD FROM THE TOP AT THE WEST END OF ABUTMENT 1 BULKHEAD HAS A 1'-6" LONG X 4" HIGH X 3" WIDE DECAYED AREA [SEE PHOTO]. THE EAST END OF ABUTMENT 1 BULKHEAD HAS AN 11" LONG X 8" HIGH X 3" WIDE DECAYED AREA [SEE PHOTO].	
39	G	THE EXTERIOR 3' OF TOP BOARD OF THE SOUTHWEST WINGWALL HAS DECAY WITH 1" OUTER SHELL REMAINING [SEE PHOTO]. THE BOTTOM BOARD IS MISSING AT THE SOUTHWEST WINGWALL. THE TOP THREE BOARDS OF THE SOUTHEAST WINGWALL HAVE UP TO 1" OF HORIZONTAL MISALIGNMENT. THE NORTHWEST WINGWALL HAS A 2' LONG X 6 1/2" HIGH X 3" DEEP DECAYED AREA [SEE PHOTO]. RIPRAP UP AGAINST ABUTMENT 2 AND MAKES MOST OF THE BULKHEAD NOT VISIBLE.	

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 KEVIN SU			
Assisted By RP			
Item No.	Grade		
50	F	BOTH APPROACHES HAVE MAP CRACKING UP TO 1/8" WIDE AND HAVE 1" OF SETTLEMENT [SEE PHOTOS]. THE NORTH APPROACH HAS A 10" LONG X 10" WIDE X 1" DEEP POT HOLE AND A 8' WIDE PATCH AT CENTERLINE [SEE PHOTO]. THERE ARE NO PAVEMENT MARKERS AT THE SOUTH APPROACH. THERE IS A FULL WIDTH TRANSVERSE CRACK UP TO 1/8" WIDE ADJACENT TO ABUTMENT 1 AND FULL WIDTH TRANSVERSE CRACKS UP TO 1/16" WIDE WITH PATCHES ADJACENT TO ABUTMENT 2 [SEE PHOTOS]. NORTHWEST POSTING SIGN IS KNOCKED DOWN [PRIORITY MAINTENANCE, SEE PHOTO]. REMOVE NARROW BRIDGE SIGNS APPROACH SLAB THE APPROACH ROADWAY WIDTH DOES NOT EXCEED MORE THAN 2' BELOW THE CLEAR BRIDGE ROADWAY WIDTH.	
60	YES	NORTHWEST POSTING SIGN IS KNOCKED DOWN [SEE PHOTO].	
62	YES	SEVERE 41; TTST 44. NORTHWEST POSTING SIGN IS KNOCKED DOWN [PRIORITY MAINTENANCE, SEE PHOTO].	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 020057

County ALLEGHANY

Date: 09/05/2012

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3250	Install or Replace Ground Mounted Signs	SF	2	NORTHWEST POSTING SIGN KNOCKED DOWN [PRIORITY MAINTENANCE].	
2816	Asphalt Surface Repair or Replacement	SY	193	MAP CRACKING UP TO 1/8" WIDE IN BOTH APPROACHES AND A 10" LONG X 10" WIDE X 1" DEEP POT HOLE IN THE NORTH APPROACH. FULL WIDTH TRANSVERSE CRACK UP TO 1/8" WIDE ALONG ABUTMENT 1 IN THE SOUTH APPROACH. NO PAVEMENT MARKERS. WATER PONDING THROUGHOUT THE BRIDGE. FULL WIDTH TRANSVERSE CRACKS UP TO 1/8" WIDE ALONG THE DECK BOARDS.	
3250	Install or Replace Ground Mounted Signs	SF	1	NORTHWEST POSTING SIGN KNOCKED DOWN.	
3344	Repair / Replace Timber Substructure Components	LF	5	UP TO 3/4" HIGH LOSS OF BEARING BETWEEN ABUTMENT 1 CAP AND PILE 9.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	7	EXTERIOR 3' OF THE SOUTHWEST WINGWALL TOP BOARD HAS DECAY WITH 1" OUTER SHELL REMAINING. BOTTOM BOARD IS MISSING AT THE SOUTHWEST WINGWALL. 1'-6" LONG X 4" HIGH X 3" WIDE DECAYED AREA IN THE THIRD BOARD FROM THE TOP AT THE WEST END OF ABUTMENT 1. 11" LONG X 8" HIGH X 3" WIDE DECAYED AREA IN THE EAST END OF ABUTMENT 1 BULKHEAD. 2' LONG X 6 1/2" HIGH X 3" DEEP DECAYED AREA IN THE NORTHWEST WINGWALL.	
3376	Clean/Wash Bridge Decks	SF	80	VEGETATION GROWTH ALONG THE EAST CURB.	
5603	Partial Cleaning and Painting of Structural Steel	SF	1100	PEELING PAINT AND SURFACE RUST ALONG THE TOP AND BOTTOM FLANGES OF ALL BEAMS AND INTERMEDIATE DIAPHRAGMS.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020057 County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3250	Install or Replace Ground Mounted Signs	2 SF
Location:		
Right Rail	Bent/Span No. 2	POSTING SIGN AT NORTH APPROACH
Priority Level	Status	
Critical Finding	Analysis Notification	
Submitted Date:	Submitted By:	Assisted By:
09/13/2012	K. SU	R PRUETT
Details		
NORTHWEST POSTING SIGN KNOCKED DOWN [PRIORITY MAINTENANCE].		



NORTHWEST POSTING SIGN KNOCKED DOWN [PRIORITY MAINTENANCE]



MAP CRACKING UP TO 1/8" WIDE WITH A 10" LONG X 10" WIDE X 1" DEEP POT HOLE AND A 8' WIDE PATCH ALONG THE CENTERLINE OF THE NORTH APPROACH



FULL WIDTH TRANSVERSE CRACKS UP TO 1/16" WIDE WITH PATCHES AND 1" SETTLEMENT ADJACENT TO ABUTMENT 2 AT THE NORTH APPROACH



FULL WIDTH TRANSVERSE CRACKS UP TO 1/8" WIDE IN ASPHALT WEARING SURFACE ALONG THE DECK BOARDS



WATER PONDING THROUGHOUT THE BRIDGE



VEGETATION GROWTH ALONG THE EAST CURB



FULL WIDTH TRANSVERSE CRACK UP TO 1/8" WIDE WITH 1" SETTLEMENT ALONG ABUTMENT 1 OF THE SOUTH APPROACH



EXTERIOR 3' OF TOP BOARD OF THE SOUTHWEST WINGWALL HAS DECAY WITH 1" OUTER SHELL
REMAINING



1'-6" LONG X 4" HIGH X 3" WIDE DECAYED AREA IN THE THIRD BOARD FROM THE TOP AT THE WEST END OF ABUTMENT 1



PEELING PAINT AND SURFACE RUST ALONG THE BOTTOM FLANGE OF BEAM 13 (OTHERS SIMILAR)



FRECKLED RUST ON THE INTERMEDIATE DIAPHRAGMS (BAY 2 SHOWN)



SURFACE RUST AND PEELING PAINT ALONG THE TOP FLANGE OF BEAM 1 (OTHERS SIMILAR)



UP TO 3/4" HIGH LOSS OF BEARING BETWEEN ABUTMENT 1 CAP AND PILE 9



11" LONG X 8" HIGH X 3" WIDE DECAYED AREA IN THE EAST END OF ABUTMENT 1 BULKHEAD



DELAMINATING STEEL WITHOUT MEASUREABLE SECTION LOSS ALONG THE BOTTOM FLANGE OF BEAM 13
NEAR ABUTMENT 1

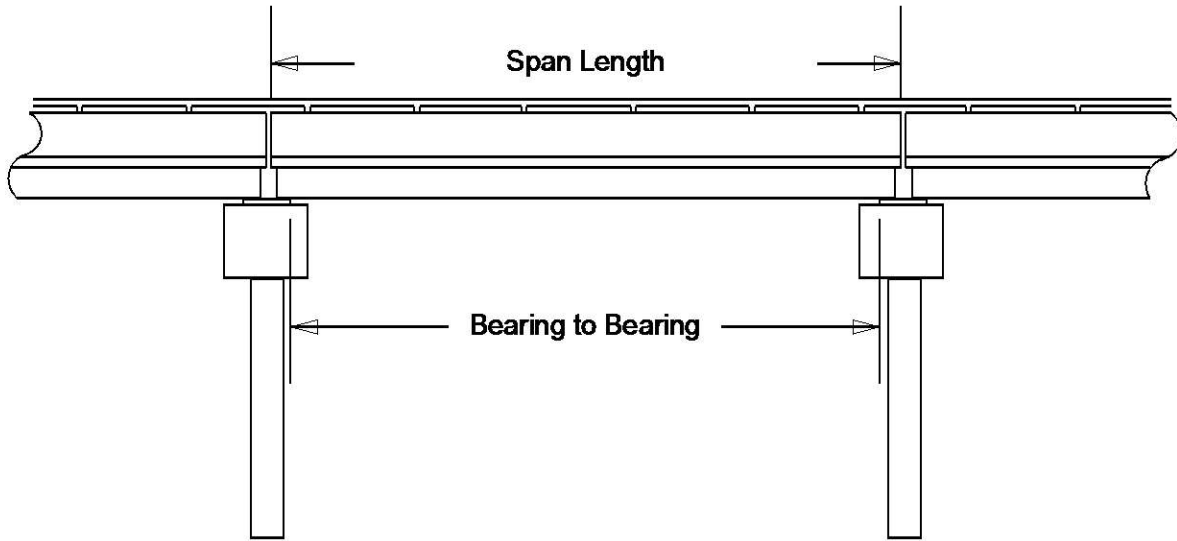


2' LONG X 6 1/2" HIGH X 3" DEEP DECAYED AREA IN THE NORTHWEST WINGWALL

Structure Data Worksheet

Spans

County: ALLEGHANY Structure No: 020057 Date: 09/05/2012 Inspected By: KS



Span No	Span Length	Bearing to Bearing	Comments
1	40'-6"	39'-4"	NBIS LENGTH = 38'-0"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 020057 County: ALLEGHANY Date: 09/05/2012 By: KS

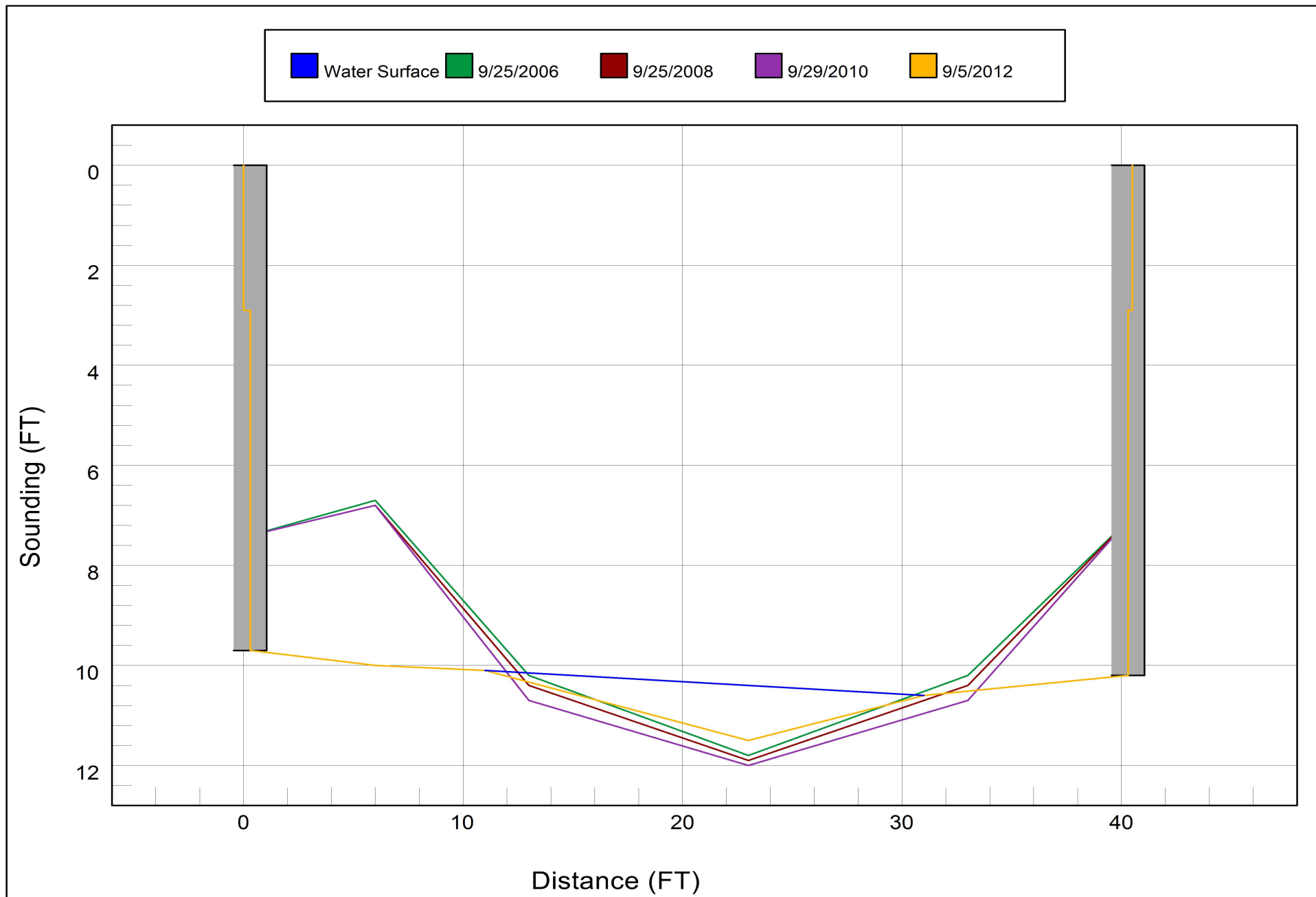
Record sounding from top of rail. Other location if needed: _____

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	0				
0.001	2.9	TOP OF FILL FACE			
0.299	2.9	TOP OF FILL FACE			
0.3	5.1	Top of Cap			
0.301	9.7	FACE OF ABUTMENT 1	0.301	7	FACE OF ABUTMENT 1
6	10	GROUNDLINE			
11	10.1	Water Surface/Water Edge (WSWE)			
23	11.5	STREAMBED			
31	10.6	Water Surface/Water Edge (WSWE)			
40.299	10.2	FACE OF ABUTMENT 2	40.299	10.2	FACE OF ABUTMENT 2
40.3	5.1	Top of Cap			
40.301	2.9	TOP OF FILL FACE			
40.499	2.9	TOP OF FILL FACE			
40.5	0				

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

SR 1193



Roadway	18ft Wide	2 Paved Lanes	Looking North
Left Shoulder	5ft Wide		5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 9/29/10 G.ROBBINS
VERIFIED 9/5/12 BY KCI

Title

APRW

Description

APPROACH ROADWAY

Bridge No: 020057

Drawn By: G.R.R.

Date: 09/25/2008

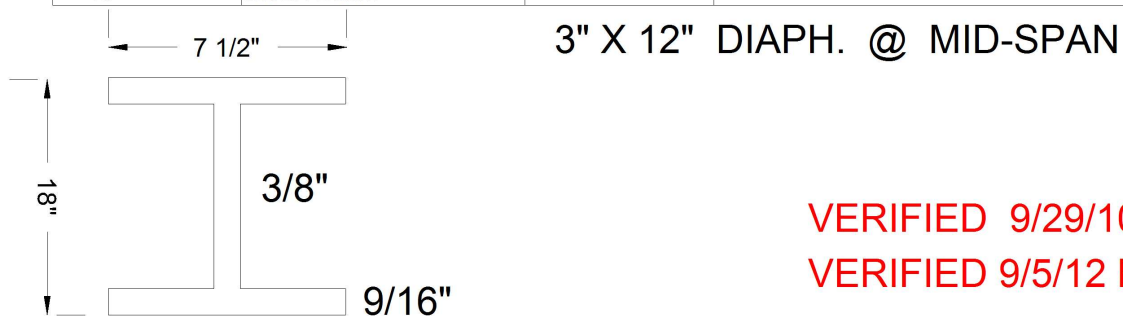
File Name: S0130001209

Bridge Inspection Field Sketch

Deck Width/Out to Out	20.0ft	Wearing Surface	0.083ft
Between Rails	19.750ft	Median Width	
Curb Height	0.709ft	Median Height	
Top Rail to Deck/Wearing Surface	2.917ft	Left Guardrail Width	
Clear Roadway	19.083ft	Right Guardrail Width	
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22

Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.0
Top of Rail to Bottom of Beam	5.00	Right Overhang	1.0

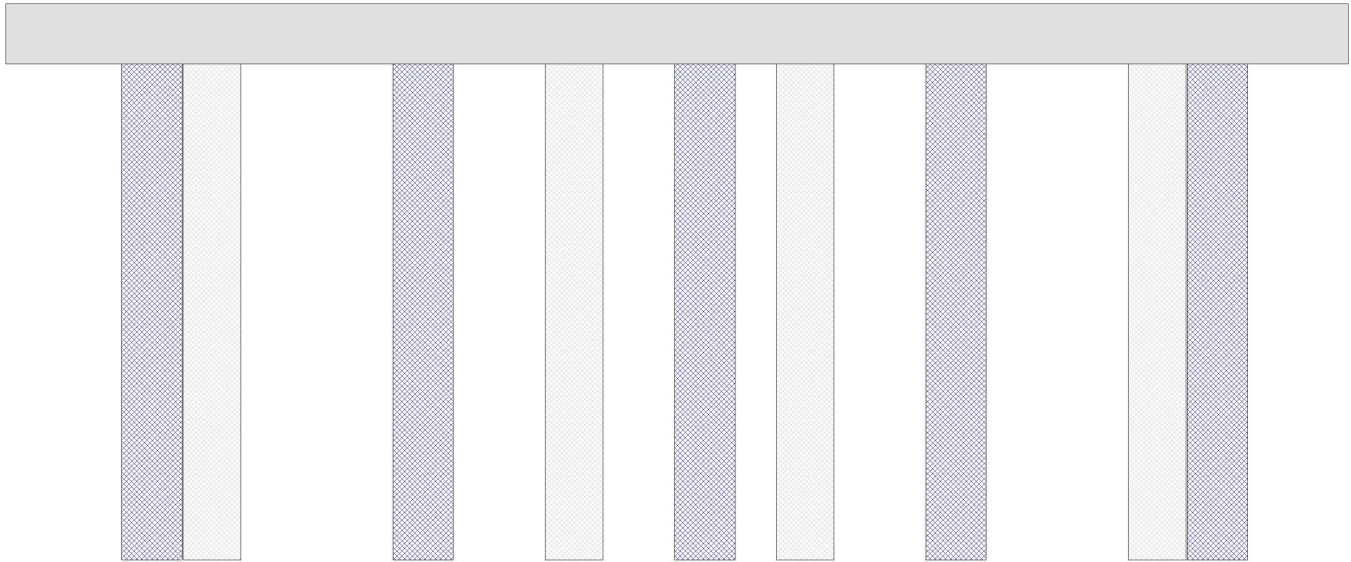
Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	1.500ft	
2	Steel I Beam	1.500ft	
3	Steel I Beam	1.500ft	
4	Steel I Beam	1.500ft	
5	Steel I Beam	1.500ft	
6	Steel I Beam	1.500ft	
7	Steel I Beam	1.500ft	
8	Steel I Beam	1.500ft	
9	Steel I Beam	1.500ft	
10	Steel I Beam	1.500ft	
11	Steel I Beam	1.500ft	
12	Steel I Beam	1.500ft	
13	Steel I Beam		



VERIFIED 9/29/10 DWELBORN
VERIFIED 9/5/12 BY KCI

Title		Description	
TS		SUPER	
Bridge No: 020057	Drawn By: DCW	Date: 09/25/2008	File Name: S0126001062

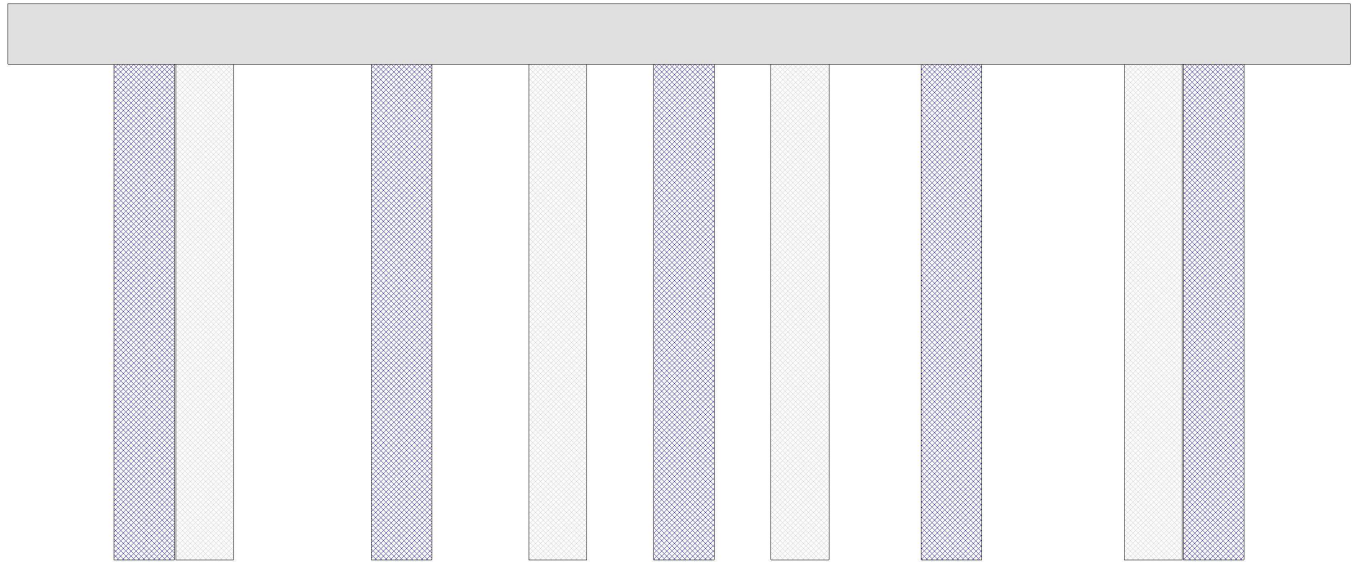
Bridge Inspection Field Sketch



Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
22.250 ft.	1.000 ft.	1.000 ft.	2.417 ft.	2.250 ft.	2.083 ft.	2.000 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.	1 ft.		Vertical	No	Yes	No	No
2	Timber	3.5 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
3	Timber	2.5 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
4	Timber	2.167 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
5	Timber	1.667 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
6	Timber	2.5 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
7	Timber	3.333 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
8	Timber	1 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
9	Timber		1 ft.	1 ft.		Vertical	No	Yes	No	No
VERIFIED 9/29/10 G.ROBBINS VERIFIED 9/5/12 BY KCI										
Bent/Abutment #: 1			Similar Bents:							

Title		Description	
SUB 1		SUB AB 1	
Bridge No: 020057	Drawn By: G.R.R.	Date: 09/25/2008	File Name: S0130001207

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.				
22.167 ft.	1.000 ft.	1.000 ft.	2.250 ft.	2.250 ft.	2.000 ft.	2.000 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.	1 ft.		Vertical	No	Yes	No	No
2	Timber	3.25 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
3	Timber	2.583 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
4	Timber	2.082 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
5	Timber	1.917 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
6	Timber	2.5 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
7	Timber	3.333 ft.	1 ft.	1 ft.		Vertical	No	Yes	No	No
8	Timber	1 ft.	0.958 ft.	0.833 ft.		Vertical	No	No	No	No
9	Timber		1 ft.	1 ft.		Vertical	No	Yes	No	No
VERIFIED 9/29/10 G.ROBBINS VERIFIED 9/5/12 BY KCI										
Bent/Abutment #: 2			Similar Bents:							

Title

SUB 2

Description

SUB AB 2

Bridge No: 020057

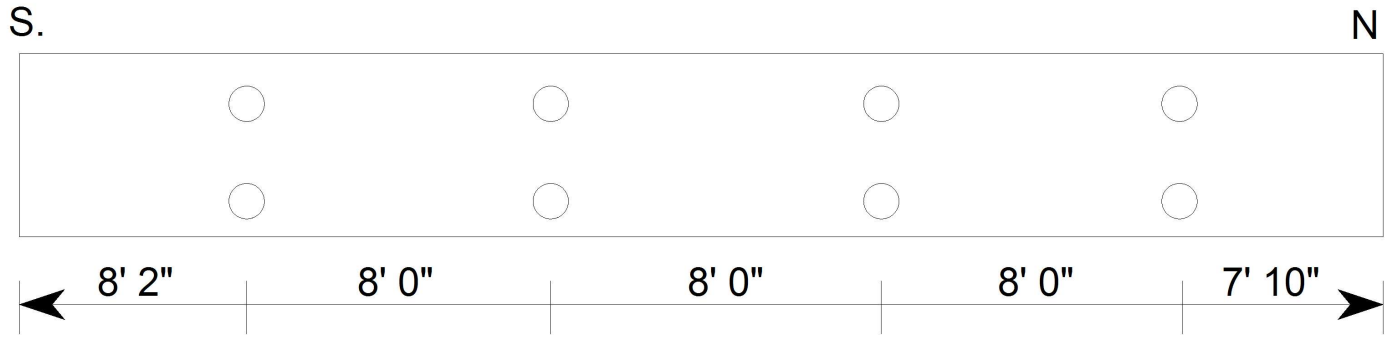
Drawn By: G.R.R.

Date: 09/25/2008

File Name: S0130001208

Bridge Inspection Field Sketch

13/16" DIA. HOLES IN BOTTOM FLANGE BM. 1 & 4



VERIFIED 9/29/10 G.ROBBINS
VERIFIED 9/5/12 BY KCI

Title
HOLES

Description
BM. HOLES

Bridge No: 020057

Drawn By: DCW

Date: 09/25/2008

File Name: S0126001063



NORTH APPROACH LOOKING SOUTH



LOOKING UPSTREAM (EAST)



LOOKING DOWNSTREAM (WEST)



SOUTH APPROACH LOOKING NORTH



SOUTHEAST POSTING SIGN



WEST BRIDGE RAIL (EAST SIMILAR)



ASPHALT WEARING SURFACE



ABUTMENT 1 ELEVATION



ABUTMENT 2 ELEVATION



SUPERSTRUCTURE



LOOKING UPSTREAM (EAST) FROM BELOW



LOOKING DOWNSTREAM (WEST) FROM BELOW



INTERMEDIATE DIAPHRAGM IN BAY 1 (OTHERS SIMILAR)



BEAM 4 BEARING AT ABUTMENT 1 (OTHERS SIMILAR)



EAST BRIDGE RAIL TO BEAM CONNECTION (WEST SIMILAR)



WEST ELEVATION



EAST ELEVATION



SOUTHEAST NARROW BRIDGE SIGN (NORTHWEST SIMILAR)