NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION TEMP REPAIRS TO DECK

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GASTON **BRIDGE NUMBER** 350159 **INSPECTION CYCLE** 2 **YRS**

ROUTE I85 **ACROSS** CATAWBA RIVER **M.P.** 27.50

LOCATION 0.75 MI. N. JCT. NC273

SUPERSTRUCTURE RC DECK ON AP:PPC GDRS, MN:PL.GDRS(CONT), SIP FORMS, AP.SLAB

SUBSTRUCTURE EBTS:RC CAP & STL.PILES,BT#1-4&10:RCP&B,BT#5-9:RC HAMMERHEAD

SPANS 1@71'3",4@70'0",(1@140'10",2@160'0",1@140'10" CONT), 2@60'0"

LONGITUDE 81° 0' 49.76" **LATITUDE** 35° 15' 27.66"

INSPECTION DATE 05/12/2014 **PRESENT CONDITION** GOOD

PRESENT POSTING N NOT POSTED **PROPOSED POSTING**

OTHER SIGNS PRESENT NONE

SOUTH APPROACH

Fracture Critical	No
Temporary Shoring	No
Scour Critical	No
Scour POA	No

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: 06/09/2014

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **350159**
(8) STRUCTURE NUMBER(FEDERAL) 000000000710159
(5) INVENTORY ROUTE (ON/UNDER) - ON 11000850
(2) STATE HIGHWAY DEPARTMENT DISTRICT 1
(3) COUNTY CODE 71 (4) PLACE CODE 4840
(6) FEATURE INTERSECTED - CATAWBA RIVER
(7) FACILITY CARRIED I85
(9) LOCATION 0.75 MI. N. JCT. NC273
(11)MILEPOINT 27.5
(16)LAT 35° 15' 27.66" (17)LONG 81° 0' 49.76"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel Continuous
TYPE - Stringer Mutlibeam or Girder CODE 402
(44) STRUCTURE TYPE APPR : Prestressed Concrete
TYPE - Stringer Mutlibeam or Girder CODE 502
(45) NUMBER OF SPANS IN MAIN UNIT 4
(46) NUMBER OF APPROACH SPANS 7
(107)DECK STRUCTURE TYPE - 1 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

(27) YEAR BUILT 1958
(106)YEAR RECONSTRUCTED 1988
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 9 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 126000
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 23%
(19) BYPASS OR DETOUR LENGTH 1 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 158 FT
(49) STRUCTURE LENGTH 1073 FT
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 144.08 FT
(52) DECK WIDTH OUT TO OUT 151.25 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 170 FT
(33) BRIDGE MEDIAN - No Median CODE 3
(34) SKEW 0° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 75 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

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 81.83
STATUS = Not Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is on the NHS 1
(26) FUNCTIONAL CLASS - Arterial - Interstate 11
(100)STRAHNET HIGHWAY - Interstate STRAHNET Route 1
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(110)DESIGNATED NATIONAL NETWORK - On the National Network 1
(20) TOLL On Free Road 3
(31) MAINTAIN - State Highway Agency 01
(22) OWNER - State Highway Agency 01
(37) HISTORICAL SIGNIFICANCE - Not Eligible 5

CONDITION — CODE

(58) DECK 5
(59) SUPERSTRUCTURE 7
(60) SUBSTRUCTURE 6
(61) CHANNEL & CHANNEL PROTECTION 6
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD HS 20 + MOD 6
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-53 96
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-22 40
(70) BRIDGE POSTING - No Posting Required 5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED A
DESCRIPTION - Open, No Restriction

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 6
(68) DECK GEOMETRY 9
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 1111
(113)SCOUR CRITICAL BRIDGES 8

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 252000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 05/12/2014
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - YES 48Mo B) 04/16/2013
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 06/09/2014

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
GASTON	12	1	350159	1073 FEET

ROUTE CARRIED : I85

FEATURE INTERSECTED : CATAWBA RIVER

LOCATED : 0.75 MI. N. JCT. NC273

BRIDGE NAME :

CITY : *BELMONT

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
11	FA	NFA	126000 2012	LT 41 RT 41

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1958	SHC	8.16525	I-IR-85-1(58	HS 20 + MOD

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
1988	DOH	8.1636608	TAN	90	ON 9 UNDER 0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :	
VC	0 FT	HC 0 FT	57	FT	23	FT

SUPERSTRUCTURE : RC DECK ON AP:PPC GDRS, MN:CONT.PL.GDRS. (S.I.P. METAL FORMS)

SUBSTRUCTURE : EBTS:RC CAPS/H-PILES; INT.BT.1-4&10:RC P&B;INT.BT.5-9:RC HAMMERHEAD

SPANS : 1@71'-3",4@70',(1@140'-10",2@160',1@140'-10" CONT), 2@60'

BEAMS OR GIRDERS : AP:22 LNS.45"PPC GDRS, MN:18 LNS. 72"CONT.PL.GDRS., ALL@VAR.CTS.

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
8.25 RC/NO AWS		151.25 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :	
144.08 FT	148 FT	LT 0 FT	RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		
HS-22	HS-53	intgd(K)	SV	TTST	DATE

SYSTEM : Primary Interstate

GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE I & A FORM1 (90)A

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
BRIDGE NO. 350159 COUNTY GASTON ROUTE I85 OVER CATAWBA RIVER
STRUCTURE TYPE RC DECK ON AP:PPC GDRS, MN:PL.GDRS(CONT), SIP FORMS, AP.SLAB
ROUTE ORIENTATION S - N SPANS 1@71'3",4@70'0",(1@140'10",2@160'0",1@140'10" CONT), 2@60'0"

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

INSPECTION ITEM			
DECK ITEMS			GRADES
1. WEARING SURFACE			
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE	11	F
	b. TIMBER		
	c. STEEL PLANK		
	d. OPEN GRID		
3. RAILING	a. CONCRETE		G
	b. TIMBER		
	c. ALUMINUM		
	d. STEEL		
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)			
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER		
	b. MISC PREFAB		
	c. COMPRESSION SEAL		F
	d. STANDARD JOINTS		
	e. OPEN JOINTS		
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			G
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59			
10. LONGITUDINAL BEAMS OR GIRDERS			G
11. LONGITUDINAL JOIST OR STRINGERS			
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			G
13. END DIAP'S, CURTAIN WALLS, & CONN'S			
14. FLOOR BEAMS AND CONNECTIONS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			G
16. DRAINAGE SYSTEM (ON STRUCTURE)			G
17. MOVABLE SPAN MACHINERY			
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)			
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		
	b. PILES, POST, SILLS, & BRACING		
	c. BULKHEADS, WING'S, & TIE BACKS		
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		G
	b. ABUT. & BENT COL'S BREASTWALLS		G
	c. ABUT. & INT. BENT PILES		
	d. BACKWALLS, WING'S, RETAIN. WALLS		G
	e. ABUT. & BENT FOOTINGS & SILLS		
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		
	b. PILES, BRACING, AND BULKHEADS		
38. FOUNDATION PILES TYPE MATERIAL			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)			G
40. FENDER SYSTEMS			
41. DRIFT			G

ITEM 61		
45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G
	b. ALIGNMENT	G
	c. SCOUR	G
	d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
50. APPROACH ROADWAY CONDITION		F
51. APPROACH SLABS		F
52. PAINT SYSTEM CODE		
53. UTILITIES		
54. RESPONSE TO LIVE LOAD		G
55. ESTIMATED REMAINING LIFE		35
60. REGULATORY SIGN NOTICE ISSUED		NO
61. PROMPT-ACTION NOTICE ISSUED		NO
62. PRESENTLY POSTED		NO
63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)		5
64. TOTAL SNOOPER INSP. TIME (HRS)		0
65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)		0
70. SI&A GENERAL CONDITION RATINGS		
a. DECK	ITEM 58	5
b. SUPERSTRUCTURE	ITEM 59	7
c. SUBSTRUCTURE	ITEM 60	7
d. CHANNEL & CHANNEL PROT.	ITEM 61	7
71. SI&A FIELD APPRAISAL RATINGS		
a. WATERWAY ADAQUACY		7
b. APPR. RDWY. ALIGNMENT		8
72. FIELD SCOUR EVALUATION		E
USE OF INSP. ACCESSIBILITY EQUIPMENT		
SNOOPER (CODE S, 4, OR N)	HRS	NO
LADDER		NO
BUCKET TRUCK		NO
BOAT		NO
OTHER		NO
SPECIAL INSPECTION REQUESTED FOR		
NOTE		
80. INSPECTED BY:	JMR	
81. REVIEWED BY:		

Bridge I&A Form 1(82)H

State of North Carolina
Dept. of Transportation
Division of Highways

FIELD INSPECTION REPORT

Bridge Inspecion & Analysis

Team Leader **DEREK RICKUS**

Assisted By **EAP**

Item No.	Grade	
2a	**F**	TEMP REPAIR TO DECK AND APPROACH, -L- RT AT NORTH APPROACH, APPROX 10'L X 2'W TEMP REPAIR TO DECK IS CRACKED AND POPPING OUT AT BENT 1, -L- LT, APPROX 60SF. SCATTERED HL CRACKING THROUGHOUT TOP OF RC DECK TEMP REPAIRS TO DECK AND APPROACH SLAB AT NORTH APPROACH, -L- LT. REPAIRS ARE CRACKED AND POPPING OUT. APPROX 10SF.
3a	**G**	GR CONNECTION DAMAGE, NORTHEAST CORNER. CONNECTION IS NOT LOOSE.
6c	**F**	COMPRESSION SEAL AT BENT 9 CRACKED AND OXIDIZED, LEAKING, FULL WIDTH. JOINT SEALS OXIDIZED AND SEPARATING ALLOWING LEAKAGE AT BENTS 1-4, & 10, FULL WIDTH, -L- RT AND -L-LT COMPRESSION SEAL SUNKEN, OXIDIZED AND SEPARATING AT BENT 5, -L- LT
10A	**NO**	no standard or open joints NO CURVED GIRDERS
15	**G**	ELASTOMERIC
36e		NOT VISIBLE
38		NOT VISIBLE
39	**G**	POURED CONCRETE
50	**F**	NORTH APPROACH ROADWAY CRACKED AND LOOSE ALONG APPROACH SLAB, -L- LT, APPROX 5SY
51	**F**	TEMP REPAIRS TO NA SLAB, -L- LT & -L- RT

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 350159 County GASTON Date: 05/12/2014

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	NORTH APPROACH ROADWAY CRACKED AND LOOSE ALONG APPROACH SLAB, -L- LT, APPROX 5SY	
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	65	COMPRESSION SEAL SUNKEN, OXIDIZED AND SEPARATING AT BENT 5, -L- LT	
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	65	COMPRESSION SEAL AT BENT 9 CRACKED AND OXIDIZED, LEAKING, FULL WIDTH.	
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	650	JOINT SEALS OXIDIZED AND SEPARATING ALLOWING LEAKAGE AT BENTS 1-4, & 10, FULL WIDTH, -L- RT AND -L-LT	
3318	Maint to Concrete Handrail	LF	3	GR CONNECTION DAMAGE, NORTHEAST CORNER. CONNECTION IS NOT LOOSE.	
3326	Maintain Concrete Deck	SF	10	TEMP REPAIRS TO DECK AND APPROACH SLAB AT NORTH APPROACH, -L- LT. REPAIRS ARE CRACKED AND POPPING OUT. APPROX 10SF.	
3326	Maintain Concrete Deck	SF	60	TEMP REPAIR TO DECK IS CRACKED AND POPPING OUT AT BENT 1, -L- LT, APPROX 60SF.	

Key

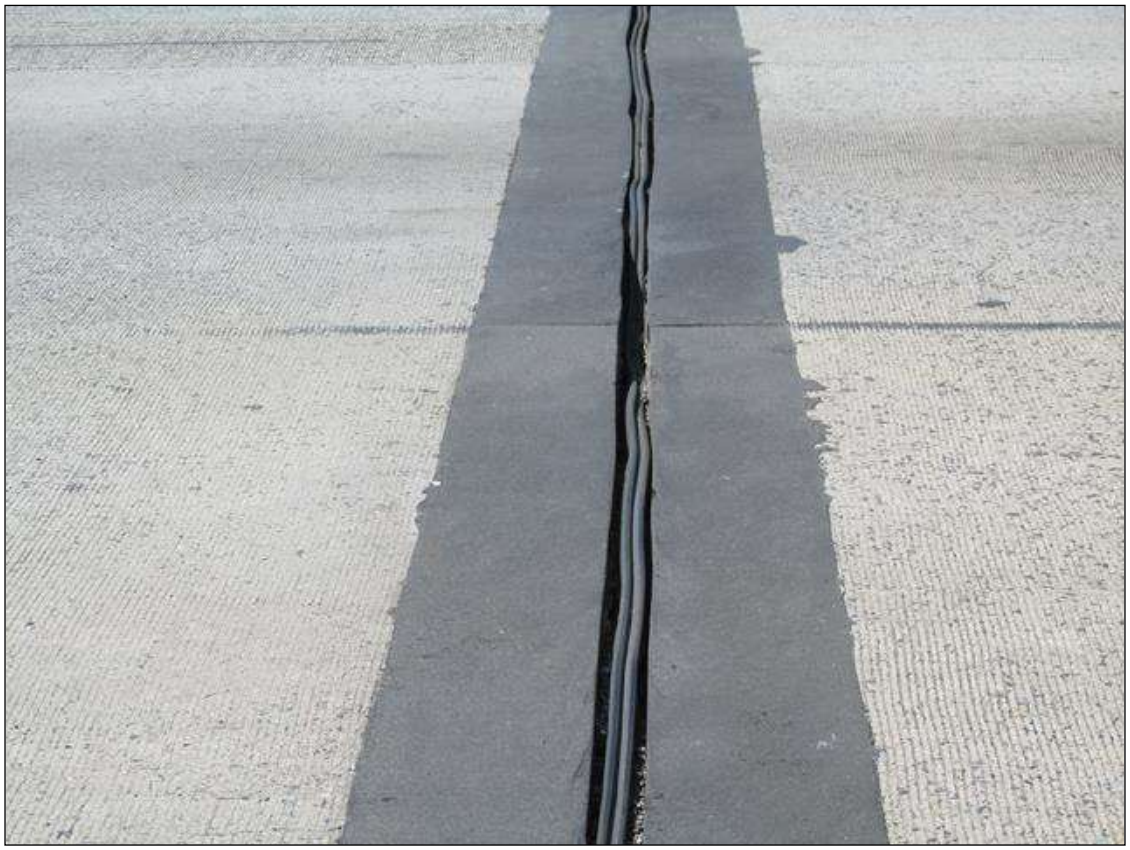
Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

TEMP REPAIR TO DECK AND APPROACH, -L- RT AT NORTH APPROACH, APPROX 10'L X 2'W

COMPRESSION SEAL AT BENT 9 CRACKED AND OXIDIZED, LEAKING, FULL WIDTH, -L- RT

JOINT SEALS OXIDIZED AND SEPARATING ALLOWING LEAKAGE AT BENTS 1-4, & 10, FULL WIDTH, -L- RT AND -L-LT

TEMP REPAIR TO DECK IS CRACKED AND POPPING OUT AT BENT 1, -L- LT, APPROX 60SF.



COMPRESSION SEAL SUNKEN, OXIDIZED AND SEPARATING AT BENT 5, -L- LT

SCATTERED HL CRACKING THROUGHOUT TOP OF RC DECK

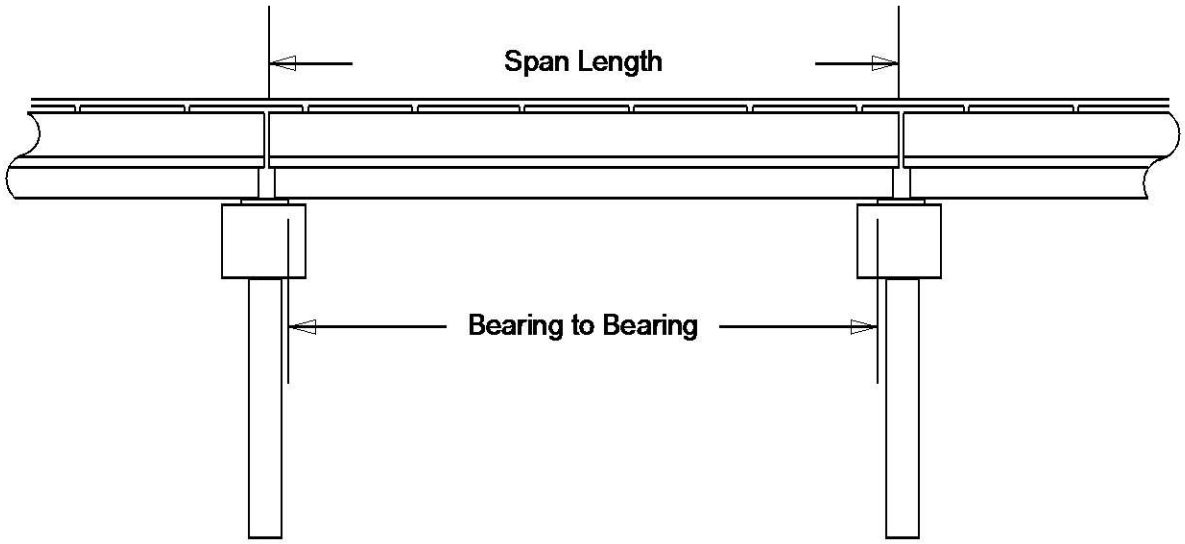
TEMP REPAIRS TO DECK AND APPROACH SLAB AT NORTH APPROACH, -L- LT. REPAIRS ARE CRACKED AND POPPING OUT. APPROX 10SF.

NORTH APPROACH ROADWAY CRACKED AND LOOSE ALONG APPROACH SLAB, -L- LT, APPROX 5SY

GR CONNECTION DAMAGE, NORTHEAST CORNER. CONNECTION IS NOT LOOSE.

Structure Data Worksheet

County: GASTON **Structure No:** 350159 **Date:** 05/12/2014 **Inspected By:** DCR



Span No	Span Length	Bearing to Bearing	Comments
1	71.250'	69.292'	
2	70.000'	68.542'	
3	70.000'	68.500'	
4	70.000'	68.500'	
5	70.000'	68.292'	
6	140.833'	138.833'	
7	160.000'	158.042'	
8	160.000'	158.000'	
9	140.833'	138.917'	
10	60.000'	58.292'	
11	60.000'	58.042'	NBIS = 1061.252'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 350159 **County:** GASTON **Date:** 05/12/2014 **By:** DCR

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

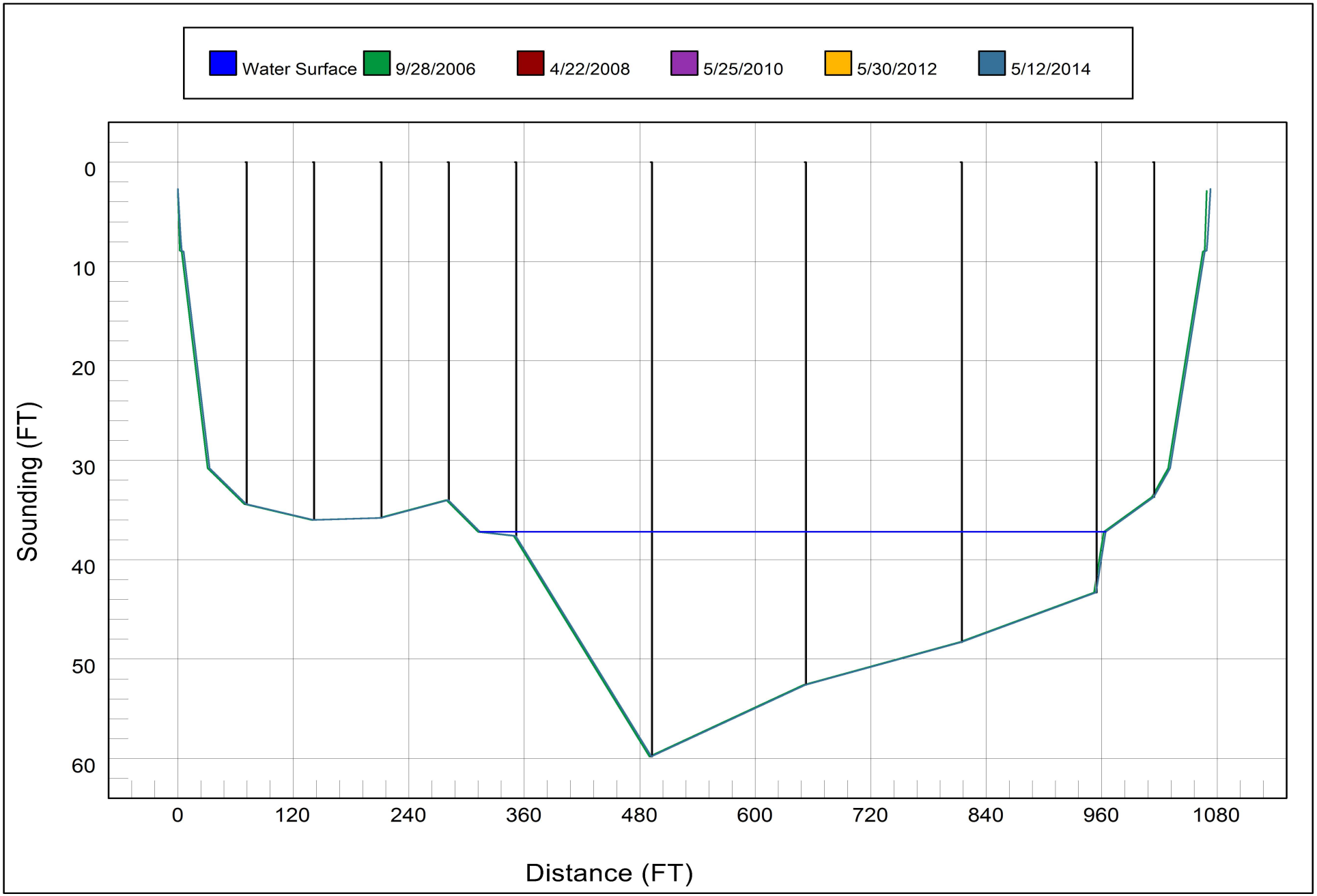
Distance from Highwater Mark to top of rail: **Location of Highwater Mark:**

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.7	FF ABUT 1			
3	7.7	ABUT 1			
4	8.9	SF ABUT 1	4	8.9	SF ABUT 1
6	9	TOP OF SLOPE			
33	30.8	BOTTOM OF SLOPE			
71	34.4	C/L BENT 1	71	32.8	C/L BENT 1
141	36	C/L BENT 2	141	35.9	C/L BENT 2
211	35.8	C/L BENT 3	211	35.6	C/L BENT 3
281	34	C/L BENT 4	281	33.4	C/L BENT 4
314	37.2	WS AND WE			
351	37.6	C/L BENT 5	351	47.0	C/L BENT 5
492	59.8	C/L BENT 6	492	61.0	C/L BENT 6
652	52.6	C/L BENT 7	652	46.6	C/L BENT 7
814	48.3	C/L BENT 8	814	42.7	C/L BENT 8
954	43.3	C/L BENT 9	954	38.1	C/L BENT 9
964	37.2	WS AND WE			
1014	33.7	C/L BENT 10	1014	31.4	C/L BENT 10
1031	30.8	BOTTOM OF SLOPE			
1067	9	TOP OF SLOPE			
1069	8.9	SF ABUT 2	1069	8.9	SF ABUT 2
1070	7.7	ABUT 2			
1073	2.7	FF ABUT 2			

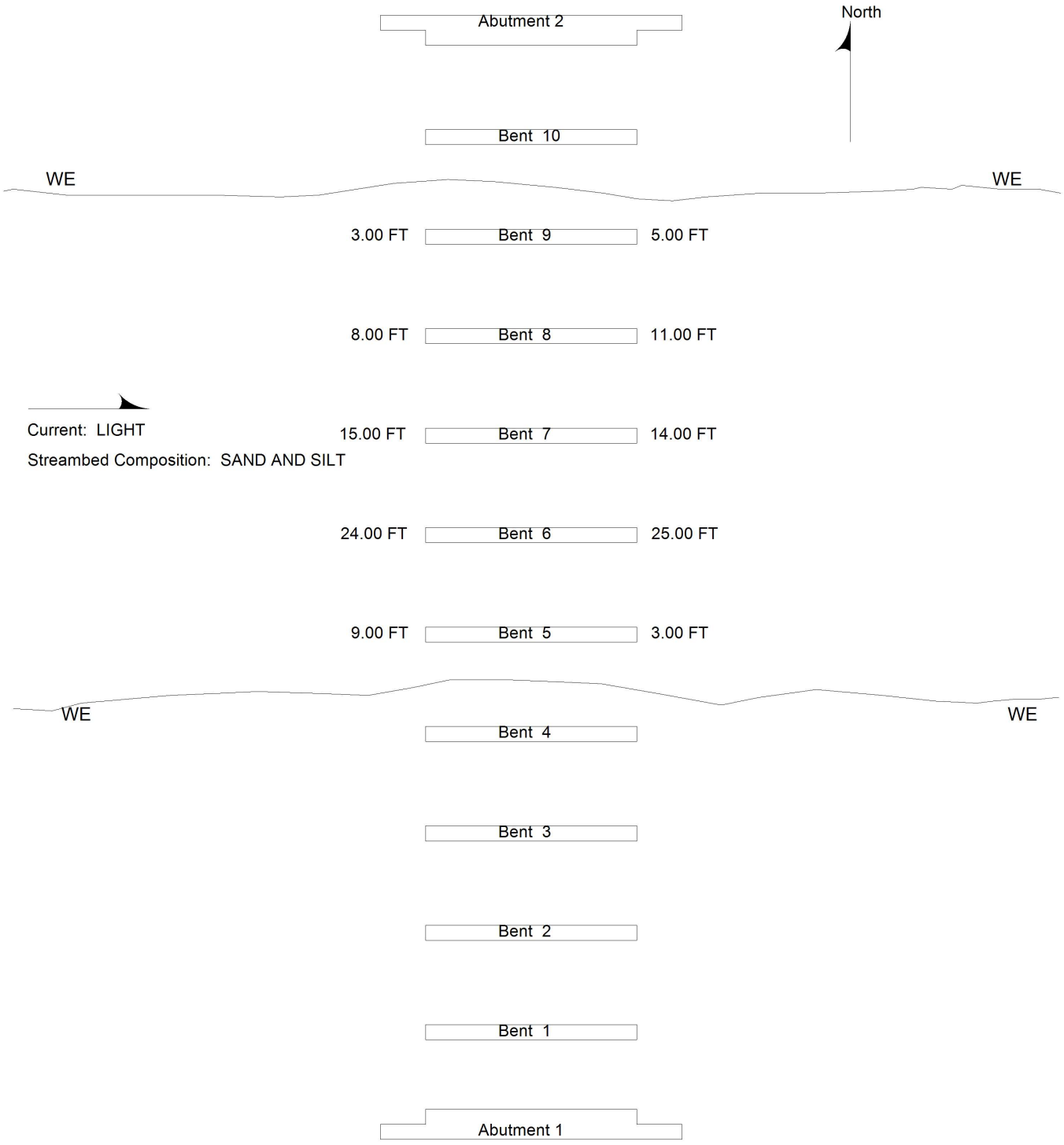
Bridge: 350159 County GASTON Date: 05/12/2014

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



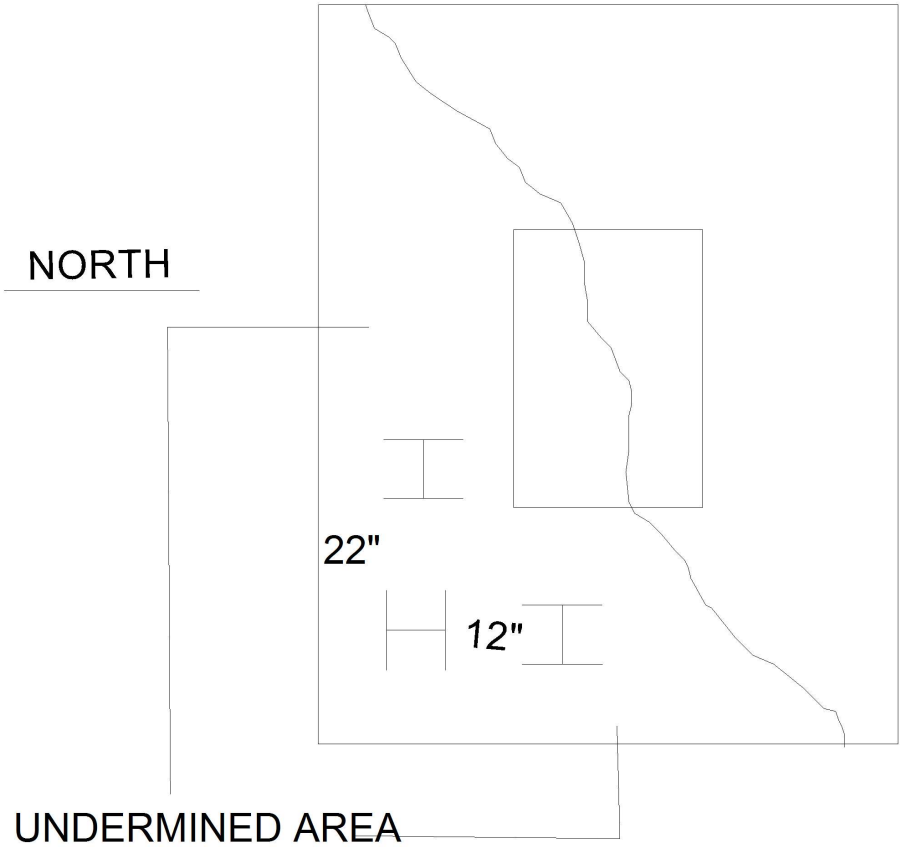
Title	Description
350159	PLAN VIEW

Bridge No:	Drawn By:	Date:	File Name:
350159	JOHN HOUSTON	4/16/2013	S0150000025

Bridge Inspection Field Sketch

VERIFIED 4-16-13 JCH

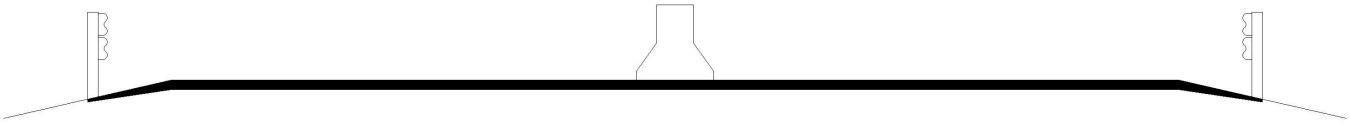
BENT # 5 C-1



Title	Description
SCOUR DETAIL	BENT # 5 UNDERMINING

Bridge No:	Drawn By:	Date:	File Name:
350159	JOHN HOUSTON	10/12/2005	S0150000026

Bridge Inspection Field Sketch



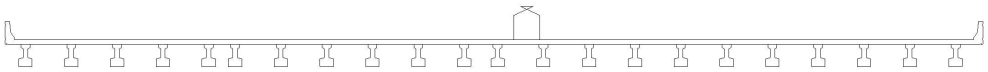
Left Lanes			
Roadway	75.0ft Wide	4 Paved Lanes	South Bound
Left Shoulder	3ft Wide	3.0ft Paved	
Right Shoulder	12ft Wide	12.0ft Paved	
Left Guardrail	3.0ft from road		
Right Guardrail	12.0ft from road		
Median	3.00ft Wide	2.67ft High	
Right Lanes			
Roadway	65.0ft Wide	4 Paved Lanes	North Bound
Left Shoulder	3ft Wide	3.0ft Paved	
Right Shoulder	12ft Wide	12.0ft Paved	
Left Guardrail	3.0ft from road		
Right Guardrail	12.0ft from road		

VERIFIED BY DEREK RICKUS ON 5-12-2014

Title	**Description**		
APPROACH ROADWAY	LOOKING NORTH		
Bridge No: 350159	**Drawn By:** DJA	**Date:** 4/16/2008	**File Name:** S0298000799

Bridge Inspection Field Sketch

Deck Width/Out to Out	151.25ft	Between Rails			148.00ft
Clear Roadway	144.08ft	Wearing Surface			
Median Width	3.92ft	Median Height			5.00ft
Curb Height		Left	0.33ft	Right	0.33ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left	75ft	Right	65ft
Guardrail Width		Left	1.50ft	Right	1.50ft
Top of Rail to Deck/Wearing Surface		Left	2.67ft	Right	2.67ft
Bridge Rail		Left	Type 4	Right	Type 4



Measurements for Span #	1		
Deck Thickness	0.69	Left Overhang	3.17
Top of Rail to Bottom of Beam	7.67	Right Overhang	3.42

Beam Number	Beam Type	Spacing	Comments
1	PPC Girder	7.083ft	
2	PPC Girder	7.083ft	
3	PPC Girder	7.083ft	
4	PPC Girder	7.083ft	
5	PPC Girder	4.083ft	
6	PPC Girder	7.083ft	
7	PPC Girder	7.083ft	
8	PPC Girder	7.083ft	
9	PPC Girder	7.083ft	
10	PPC Girder	7.083ft	
11	PPC Girder	5.167ft	
12	PPC Girder	7.083ft	
13	PPC Girder	7.083ft	
14	PPC Girder	7.083ft	
15	PPC Girder	7.083ft	
16	PPC Girder	7.083ft	
17	PPC Girder	7.083ft	
18	PPC Girder	7.083ft	
19	PPC Girder	7.083ft	
20	PPC Girder	7.083ft	
21	PPC Girder	7.083ft	
22	PPC Girder	ft	

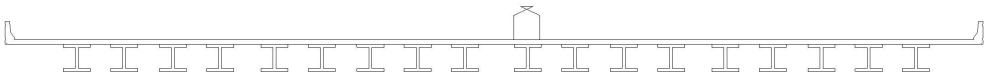
Title VERIFIED BY DEREK RICKUS ON 5-12-2014
SUPERSTRUCTURE SPANS #1-5, 10 & 11

Description TYPICAL SECTION (NON-CONTINUOUS SPANS)

Bridge No: 350159 | **Drawn By:** DJA | **Date:** 4/16/2008 | **File Name:** S0298000800

Bridge Inspection Field Sketch

Deck Width/Out to Out	151.25ft	Between Rails				148.00ft
Clear Roadway	144.08ft	Wearing Surface				
Median Width	3.92ft	Median Height				5.00ft
Curb Height		Left	0.33ft	Right	0.33ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left	75ft	Right	65ft	
Guardrail Width		Left	1.50ft	Right	1.50ft	
Top of Rail to Deck/Wearing Surface		Left	2.67ft	Right	2.67ft	
Bridge Rail		Left	Type 4	Right	Type 4	



Measurements for Span #	6		
Deck Thickness	0.69	Left Overhang	4.08
Top of Rail to Bottom of Beam	9.33	Right Overhang	4.08

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
2	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
3	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
4	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
5	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
6	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
7	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
8	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
9	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
10	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
11	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
12	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
13	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
14	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
15	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
16	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
17	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING
18	Steel I Beam	ft	SEE PLANS FOR SIZE AND SPACING

NOTE: A SMALL I-BEAM HAS BEEN ATTACHED TO LOWER PORTION OF CROSS FRAMES ADJACENT TO GIRDERS 1, 3, 7, 10, 13, 16, AND 18 IN THE CONTINUOUS SPANS
THESE I-BEAMS ARE 6" WIDE X 6 1/4" HIGH WITH 3/4" FLANGE AND 1/4" WEB

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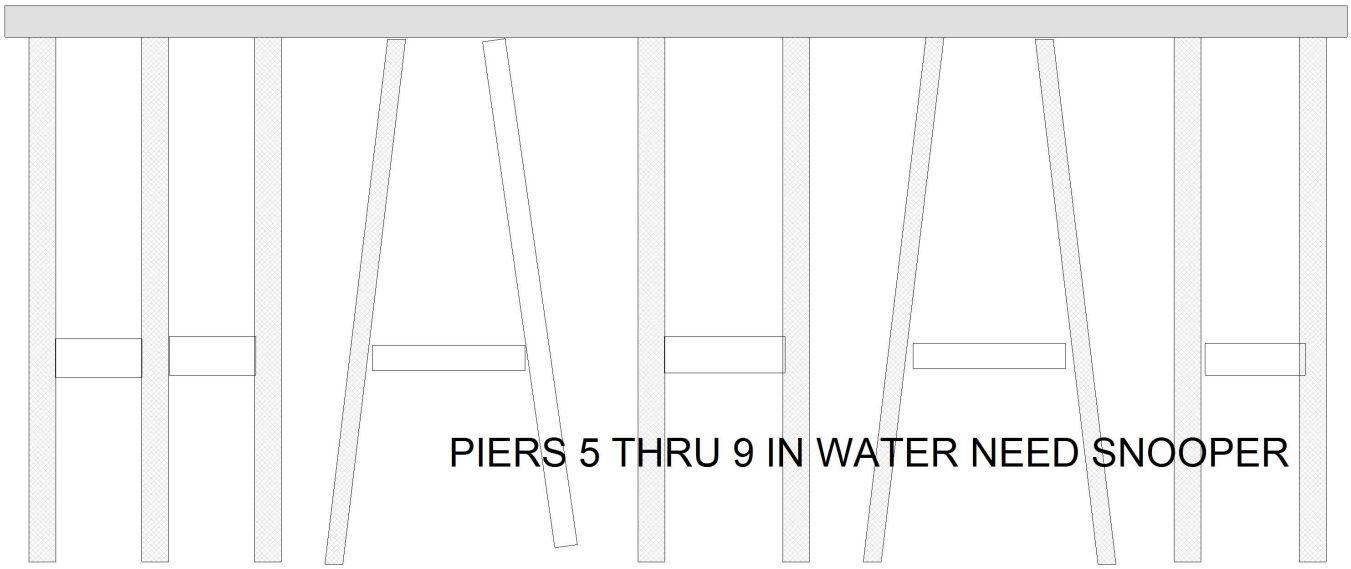
Title	**Description**
SUPERSTRUCTURE SPANS #6-9	TYPICAL SECTION (CONTINUOUS SPANS)

Bridge No: 350159	**Drawn By:** DJA	**Date:** 4/16/2008	**File Name:** S0298000802

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
149.833 ft.	3.500 ft.	3.500 ft.	4.167 ft.	4.167 ft.	3.250 ft.	3.250 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	Concrete	12.583 ft.	3.0 ft.			Vertical	No	No	No	No
2	Concrete	12.583 ft.	3.0 ft.			Vertical	No	No	No	No
3	Concrete	11.333 ft.	3.0 ft.			Vertical	No	No	No	No
4	Concrete	18.5 ft.	2.0 ft.	2.0 ft.		Battered	No	No	No	No
5	Concrete	13.0 ft.	2.0 ft.	2.0 ft.		Battered	No	No	No	No
6	Concrete	16.167 ft.	3.0 ft.			Vertical	No	No	No	No
7	Concrete	12.667 ft.	3.0 ft.			Vertical	No	No	No	No
8	Concrete	18.333 ft.	2.0 ft.	2.0 ft.		Battered	No	No	No	No
9	Concrete	12.667 ft.	2.0 ft.	2.0 ft.		Battered	No	No	No	No
10	Concrete	14.0 ft.	3.0 ft.			Vertical	No	No	No	No
11	Concrete		3.0 ft.			Vertical	No	No	No	No

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Bent/Abutment #: 1 Similar Bents: 2,3,4 AND 10

Title	**Description**
SUBSTRUCUTRE	BENTS 1 THRU 4 AND BENT 10

Bridge No: 350159	**Drawn By:** DEREK RICKUS	**Date:** 5/30/2012	**File Name:** S0142001794

ABUTMENT 2

TYP BENT FOR 1-4, & 10

UPSTREAM

TYP BENT FOR 5-9

DOWNSTREAM

NORTH APPROACH

TYP GR CONNECTION

SOUTH APPROACH

ABUTMENT 1

GUARDRAIL LOOKING SOUTH, -L- RT

LOOKING UPSTREAM

LOOKING DOWNSTREAM

GUARDRAIL LOOKING SOUTH, -L- LT

GUARDRAIL LOOKING NORTH, -L- LT

GUARDRAIL LOOKING NORTH, -L- RT