



NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 BRIDGE MANAGEMENT UNIT

ATTENTION

VERTICAL CLR. CHECKED  
 TEMP. REPAIRS(DECK AND BEAMS, BRGS.)

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GASTON BRIDGE NUMBER 350002 INSPECTION CYCLE 2 YRS 19.7  
 ROUTE NC279 ACROSS I85 M.P. 0

LOCATION 0.5 MI. W. JCT. US29/74

SUPERSTRUCTURE REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE END BENTS:RC CAP & PPC PILES, INT.BENTS:RCP&B ON PILE FTG.

SPANS 1@60'0", 1@64'10", 1@65'1", 1@59'10"

LONGITUDE 81° 8' 58.15"

LATITUDE 35° 16' 7.57"

INSPECTION DATE 07/30/2014

PRESENT CONDITION GOOD

PRESENT POSTING N NOT POSTED

PROPOSED POSTING

OTHER SIGNS PRESENT 4 DELINEATORS

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>          </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>

WEST APPROACH

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	350002		SUFFICIENCY RATING =			76
(8) STRUCTURE NUMBER(FEDERAL)		00000000710002		STATUS =	Functionally Obsolete		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31002790					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	71	(4) PLACE CODE	25580	(112)NBIS BRIDGE SYSTEM -			YES
(6) FEATURE INTERSECTED - I85				(104)HIGHWAY SYSTEM	Is on the NHS		1
(7) FACILITY CARRIED NC279				(26) FUNCTIONAL CLASS -	Other Principal Arterial		14
(9) LOCATION 0.5 MI. W. JCT. US29/74				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route		0
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure		N
(16)LAT 35° 16' 7.57"	(17)LONG	81° 8' 58.15"		(102)DIRECTION OF TRAFFIC -	2-way Traffic		2
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(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			7
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE			6
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION			N
(45) NUMBER OF SPANS IN MAIN UNIT			4	(62) CULVERTS			N
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE - 1		CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	HS 20 + MOD		6
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Load Factor		1
(B) TYPE OF MEMBRANE -		CODE		(64) OPERATING RATING -	HS-51		92
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Load Factor		1
				(66) INVENTORY RATING -	HS-31		55
				(70) BRIDGE POSTING -	No Posting Required		5
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED			A
				DESCRIPTION -	Open, No Restriction		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1963	(67) STRUCTURAL EVALUATION			6
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY			2
(42) TYPE OF SERVICE : ON - Highway - Pedestrian				(69) UNDERCLEARANCES,VERTI & HORIZ			3
UNDER - Highway		CODE	51	(71) WATERWAY ADEQUACY			N
(28) LANES: ON STRUCTURE 6 UNDER STRUCTURE			6	(72) APPROACH ROADWAY ALIGNMENT			8
(29) AVERAGE DAILY TRAFFIC			20000	(36) TRAFFIC SAFETY FEATURES			0101
(30) YEAR OF ADT 2012	(109) TRUCK ADT PCT		12%	(113)SCOUR CRITICAL BRIDGES			N
(19) BYPASS OR DETOUR LENGTH			0 MI	PROPOSED IMPROVEMENTS			
GEOMETRIC DATA				(75) TYPE OF WORK -			CODE
(48) LENGTH OF MAXIMUM SPAN			64 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH			250 FT	(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT 5.2 FT RIGHT			5.2 FT	(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			68 FT	(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT			80.5 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			59 FT	(114)FUTURE ADT 40000	(115) YEAR FUTURE ADT	2025	
(33) BRIDGE MEDIAN - No Median		CODE	0	INSPECTIONS			
(34) SKEW 27°	(35) STRUCTURE FLARED		0	(90) INSPECTION DATE			07/30/2014
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	(92) CRITICAL FEATURE INSPECTION :			(93) CFI DATE
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			68 FT	A) FRACTURE CRIT DETAIL -	NO		A)
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	B) UNDERWATER INSP -	NO		B)
(54) MIN VERT UNDERCLEAR REF Highway			15.92 FT	C) OTHER SPECIAL INSP	NO		C)
(55) MIN LAT UNDERCLEAR RT REF Highway			8.75 FT	SCOUR			
(56) MIN LAT UNDERCLEAR LT REF -			6.33 FT	NAVIGATION DATA			
(38) NAVIGATION CONTROL - Not Applicable		CODE	N	(89) NAVIGATION VERTICAL CLEARANCE			0
(111)PIER PROTECTION -		CODE		(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT
(39) NAVIGATION VERTICAL CLEARANCE			0	(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT				
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT				

Structure No: 350002

County: GASTON

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Nuner of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1							
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	I 85 S	11000850	15.75	19.70	1	10085		11	3	54000	2012	50.92	H	15.75	8.75	6.17	9	1	1	1
3	I 85 N	11000850	16.17	19.70	1	10085		11	3	54000	2012	51.08	H	15.92	8.75	6.33	9	1	1	1

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 10/17/2014

COUNTY : GASTON                      DIVISION : 12              DISTRICT : 1              STRUCTURE NUMBER : 350002              LENGTH : 250 FEET

ROUTE CARRIED : NC279                      FEATURE INTERSECTED : I85

LOCATED : 0.5 MI. W. JCT. US29/74              BRIDGE NAME :              CITY : GASTONIA

FUNC. CLASS : 14              SYST.ON : FA              SYST.UNDER : NFA              ADT & YR : 20000 2012              RAIL TYPE : LT 139 RT 139

BUILT : 1963              BY : SHC              PROJ : 8.16361              FED.AID PROJ : I-85-1(14)18              DESIGN LOAD : HS 20 + MOD

REHAB :              BY :              PROJ :              ALIGNMENT : TAN              SKEW : 117              LANES : ON 6 UNDER 6

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

SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE : E.BTS:RC CAPS/PPC PILES; INT.BTS:RC P&B/PILE FTGS.

SPANS : 1@60', 1@64'-10", 1@65'-1", 1@59'-10"

BEAMS OR GIRDERS : 12 LINES 33" I-BEAMS @ VARIOUS CTS.

FLOOR : 7.25" RC/NO AWS              ENCROACHMENT : 9" WATER,6" GAS              DECK (OUT TO OUT) : 80.5 FT

CLEAR ROADWAY : 68 FT              BETWEEN RAILS : 78.33 FT              SIDEWALK OR CURB : LT 5.2 FT RT 5.2 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-31              OPE.RTG. : HS-51              CONTR.MEMBER : IB(SpA)              POSTED : SV TTST              DATE

SYSTEM : Primary N.C. Route              GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	I 85 S	15.75	15.75	50.92	6.17	8.75
3	I 85 N	16.17	15.92	51.08	6.33	8.75

Note: All measurements are in feet.

REMARKS :

# BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection  
 BRIDGE NO. 350002 COUNTY GASTON ROUTE NC279 OVER I85  
 STRUCTURE TYPE REINFORCED CONCRETE DECK ON I-BEAMS  
 ROUTE ORIENTATION W - E SPANS 1@60'0", 1@64'10", 1@65'1", 1@59'10"

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

INSPECTION ITEM				ITEM 61				
DECK ITEMS			GRADES					
1. WEARING SURFACE				45. CHANNEL & CHANNEL PROT.	a. WATERWAY			
					b. ALIGNMENT			
					c. SCOUR			
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.			
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58					50. APPROACH ROADWAY CONDITION			
3. RAILING	a. CONCRETE		4	G	51. APPROACH SLABS			
	b. TIMBER				52. PAINT SYSTEM			CODE I G
	c. ALUMINUM			G	53. UTILITIES			G
	d. STEEL			G	54. RESPONSE TO LIVE LOAD			G
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS				G	55. ESTIMATED REMAINING LIFE			18
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				G	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			NO
	c. COMPRESSION SEAL		3	G	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	6	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				G	d. CHANNEL & CHANNEL PROT.	ITEM 61		
13. END DIAP'S, CURTAIN WALLS, & CONN'S				G	71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS					a. WATERWAY ADAQUACY			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				G	b. APPR. RDWY. ALIGNMENT			8
16. DRAINAGE SYSTEM (ON STRUCTURE)				G	72. FIELD SCOUR EVALUATION			
17. MOVABLE SPAN MACHINERY								
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)					USE OF INSP. ACCESSIBILITY EQUIPMENT			
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS				SNOOPER (CODE S, 4, OR N)			HRS NO
	b. PILES, POST, SILLS, & BRACING				LADDER			NO
	c. BULKHEADS, WING'S, & TIE BACKS				BUCKET TRUCK			NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS			F	BOAT			NO
	b. ABUT. & BENT COL'S BREASTWALLS			G	OTHER			NO
	c. ABUT. & INT. BENT PILES			G				
	d. BACKWALLS, WING'S, RETAIN. WALLS			G				
	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:	<i>JL/AL</i>		
41. DRIFT					81. REVIEWED BY:			

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		<b>FIELD INSPECTION REPORT</b> <u>Bridge Inspeccion &amp; Analysis</u>	
Team Leader DEREK RICKUS			
Assisted By EAP			
Item No.	Grade		
2a	G	DECK REHABED SINCE LAST INSP.	
10	G	STEEL PAINTED IN PAST.	
10A	NO	NO CURVED GIRDERS	
36a	F	CRACKING ON THE LT. EXTERIOR DIAPH. AT BENT 1. CRACKING ALONG THE EAST FACE OF BENT 1 UNDER BEAM. 10.	
36e		NOT VISIBLE	
38		NOT VISIBLE	
50	G	THE APPROACHES PATCHED IN PAST FULL WIDTH X 15' LONG.	

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 350002

County GASTON

Date: 07/30/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	8	THE EXTERIOR CONC. DIAPH. HAVE CRACKING WITH REBAR EXPOSED.	
3348	Maintain Concrete Substructure Components	LF	80	HORIZ. CRACKING ALONG MOST OF THE LENGTH ALONG THE TOP CORNER OF THE SOUTH FACE OF BENT 1 CAP.	

**Key**



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



HORIZ. CRACKING ALONG MOST OF THE LENGTH ALONG THE TOP CORNER OF THE EAST FACE OF BENT 3 CAP.



CRACKING ALONG THE SOUTH FACE OF BENT 3 UNDER BEAM. 4.





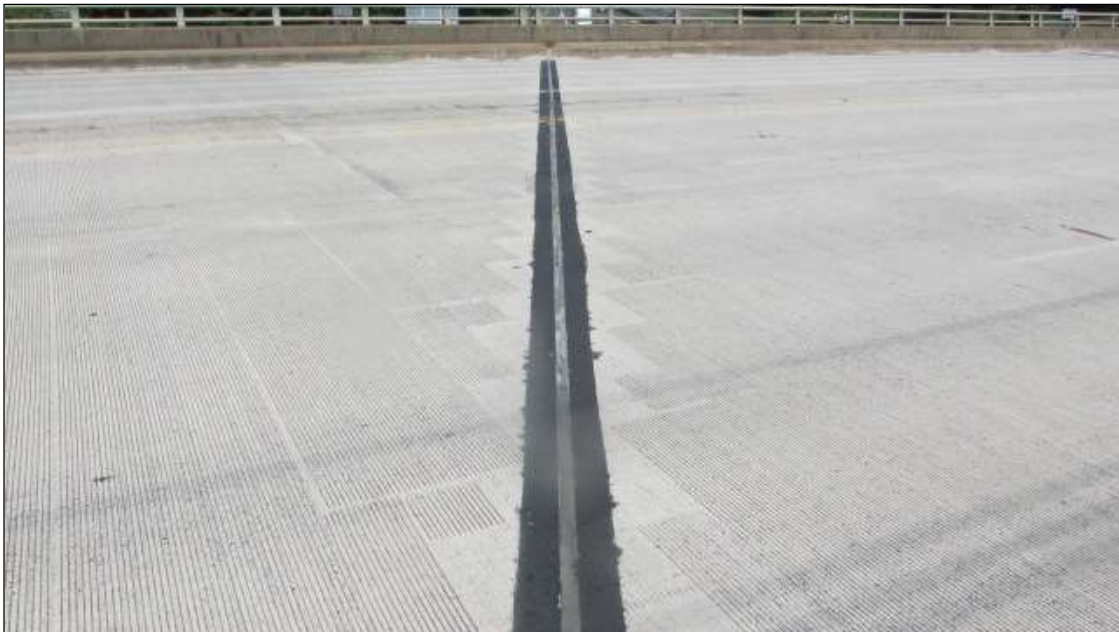
STEEL PAINTED IN PAST.



THE APPROACHES PATCHED IN PAST FULL WIDTH X 15' LONG.



DECK REHABED SINCE LAST INSP.

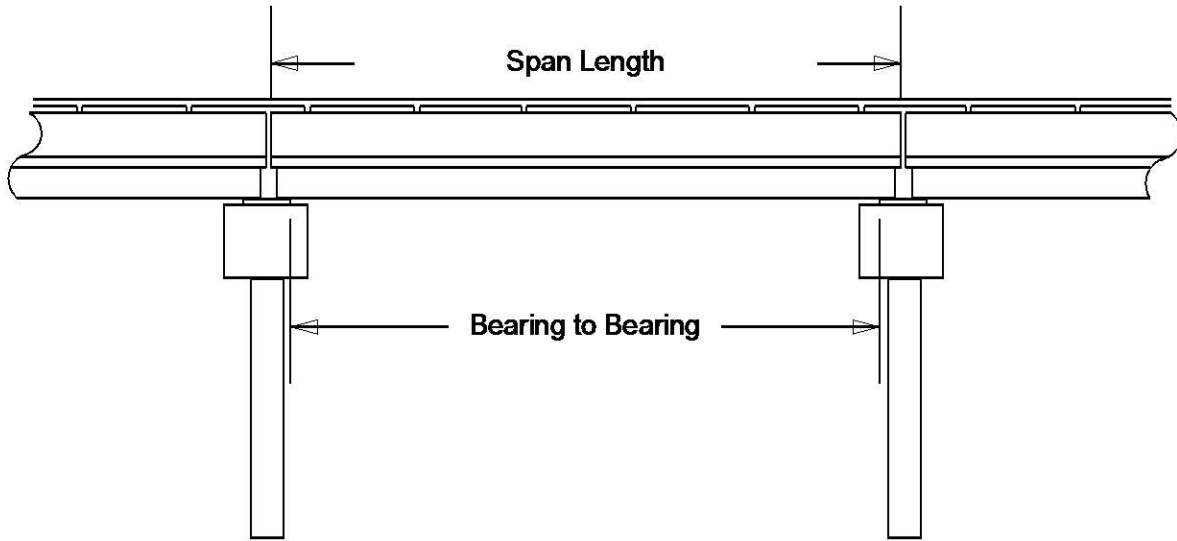


JOINTS REWORKED SINCE LAST INSP.

# Structure Data Worksheet

Spans

County: GASTON      Structure No: 350002      Date: 07/30/2014      Inspected By: DCR



Span No	Span Length	Bearing to Bearing	Comments
1	60.00	57.917'	
2	64.83	63.747'	
3	65.08	63.667'	
4	59.83	57.765'	NBIS = 247'

# Bridge Inspection Field Sketch



Roadway	55.00ft Wide	6 Paved Lanes	Looking East
Left Shoulder	2ft Wide	2.00ft Paved	
Right Shoulder	2ft Wide	2.00ft Paved	
Left Guardrail			
Right Guardrail	6.50ft from road		

VERIFIED BY ERIC PATTERSON ON 7-30-2014

**Title**

APPROACH ROADWAY WIDTH

**Description**

APPROACH ROADWAY WIDTH

Bridge No: 350002

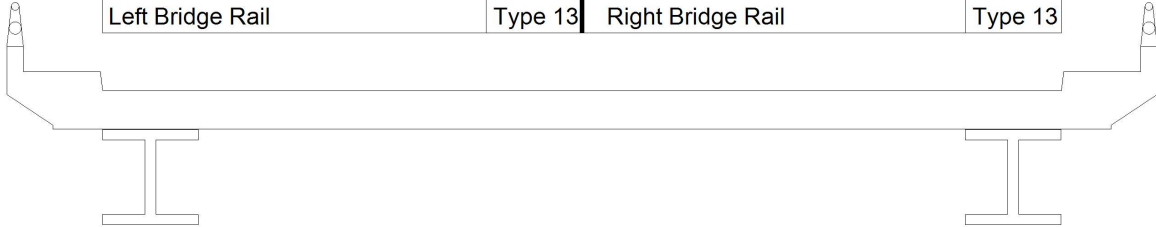
Drawn By: DCR

Date: 8/28/08

File Name: S0286000095

# Bridge Inspection Field Sketch

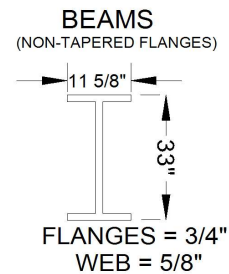
Deck Width/Out to Out	80.50ft	Wearing Surface	
Between Rails	78.33ft	Median Width	
Curb Height	0.83ft	Median Height	
Top Rail to Deck/Wearing Surface	5.00ft	Left Guardrail Width	1.10ft
Clear Roadway	68.00ft	Right Guardrail Width	1.10ft
Left Bridge Rail	Type 13	Right Bridge Rail	Type 13



Measurements for Span #	1	SPANS 2 TO 4 SIMILAR	
Deck Thickness	0.60	Left Overhang	4.92
Top of Rail to Bottom of Beam	8.4'	Right Overhang	4.92

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	6.67ft	
2	Steel I Beam	6.67ft	
3	Steel I Beam	6.67ft	
4	Steel I Beam	6.67ft	
5	Steel I Beam	6.67ft	
6	Steel I Beam	4.00ft	
7	Steel I Beam	4.00ft	
8	Steel I Beam	6.67ft	
9	Steel I Beam	6.67ft	
10	Steel I Beam	6.67ft	
11	Steel I Beam	6.67ft	
12	Steel I Beam		

NOTE: 6" DIAM. GASLINE AND 9" DIAM. WATERLINE ATTACHED UNDER FIRST BAY ON NORTH SIDE



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**Title**

TYPICAL SECTION

**Description**

TYPICAL SECTION

Bridge No: 350002

Drawn By: DCR

Date: 8/28/08

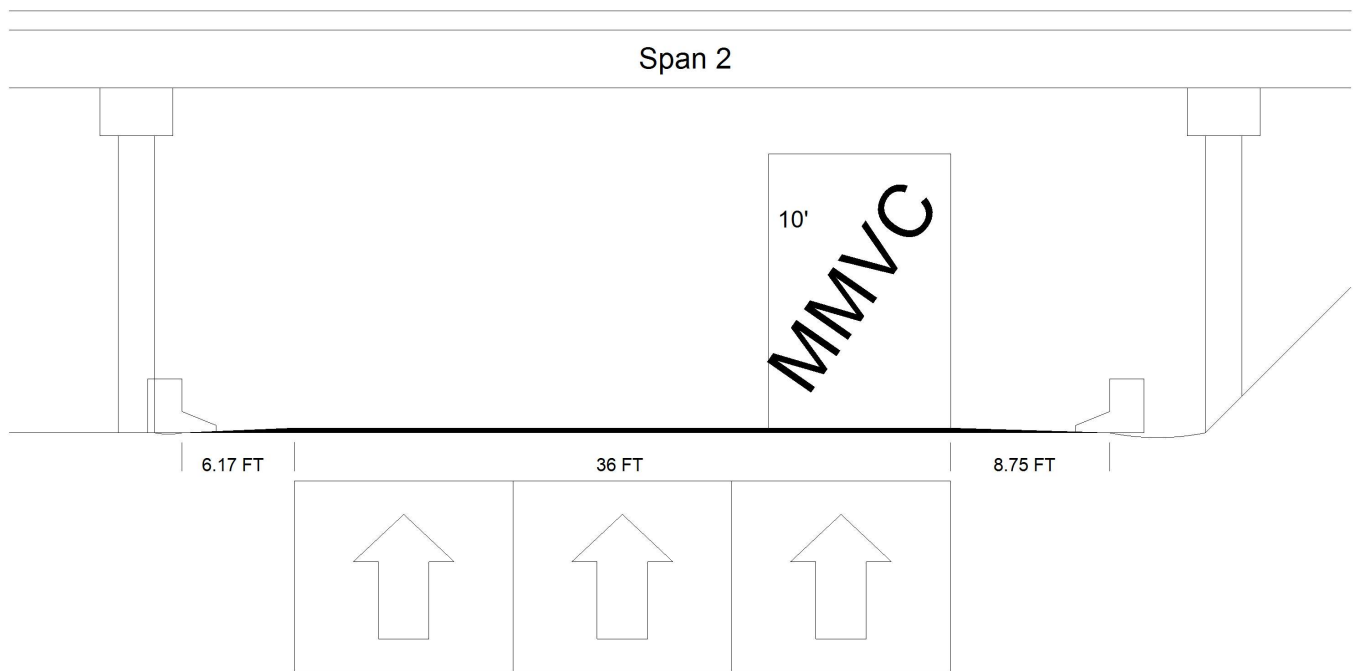
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# Bridge Inspection Field Sketch

DELETE SKETCH

Title	Description
UNDERCLEARANCE	UNDERCLEARANCE
Bridge No: 350002	Drawn By: SJP
Date: 08/08/2006	File Name: S0286000097

# Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	South
Distance to Left Rail	6.17FT	Distance to Right Rail	8.75FT
Distance to Left Toe of Slope		Distance to Left Bent	7.67FT
Distance to Right Toe of Slope	14FT	Distance to Right Bent	10.25FT
MMVC	15.75 Ft at Beam 12, 0 FT from RIGHT EDGE OF PAVEMENT		
MVC	15.75 Ft at Beam 12, 0 FT from RIGHT EDGE OF PAVEMENT		

MILEPOST 19.7

VERIFIED BY ERIC PATTERSON ON 7-30-2014

**Title**

SOUTHBOUND UNDERCLEARANCE

**Description**

SOUTHBOUND UNDERCLEARANCE

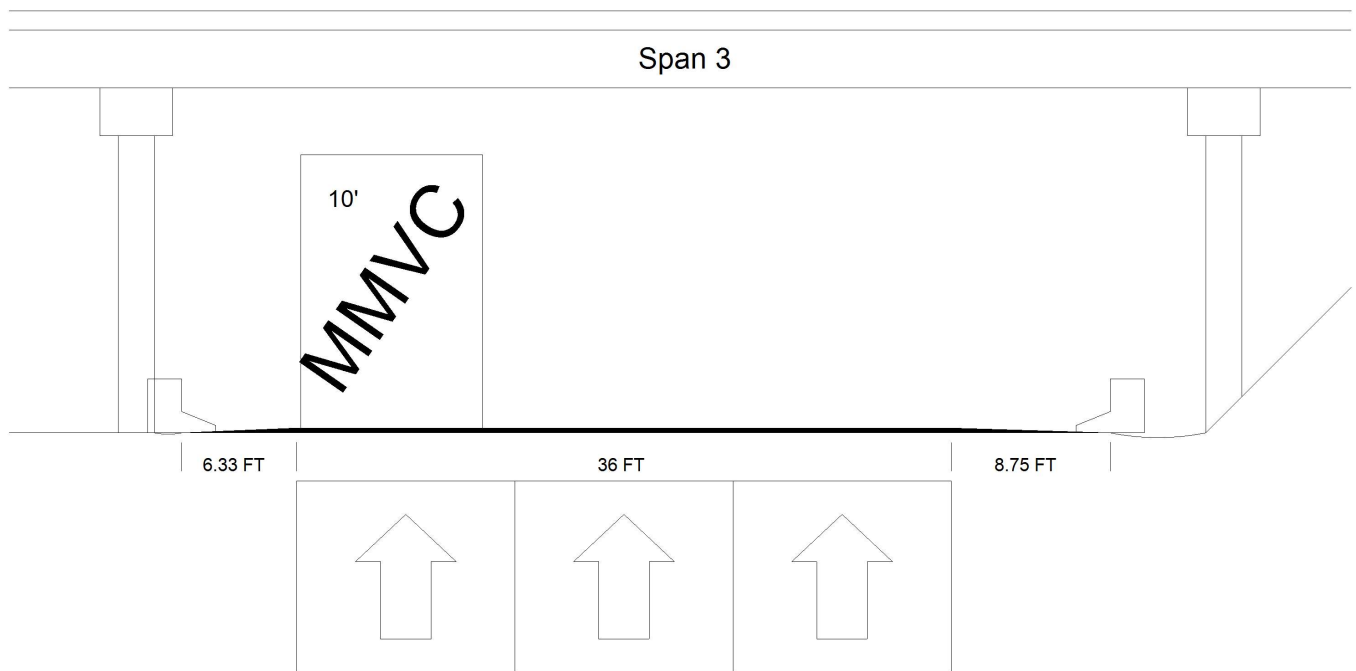
Bridge No: 350002

Drawn By: DCR

Date: 8/28/08

File Name: S0286000166

# Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North
Distance to Left Rail	6.33FT	Distance to Right Rail	8.75FT
Distance to Left Toe of Slope		Distance to Left Bent	7.83FT
Distance to Right Toe of Slope	14FT	Distance to Right Bent	10.25FT
MMVC	16.17 Ft at Beam 12, 0 FT from LEFT EDGE OF PAVEMENT		
MVC	15.92 Ft at Beam 12, 36 FT from LEFT EDGE OF PAVEMENT		

MILEPOST 19.7

VERIFIED BY ERIC PATTERSON ON 7-30-2014

**Title**

NORTHBOUND UNDERCLEARANCE

**Description**

NORTHBOUND UNDERCLEARANCE

Bridge No: 350002

Drawn By: DCR

Date: 8/28/08

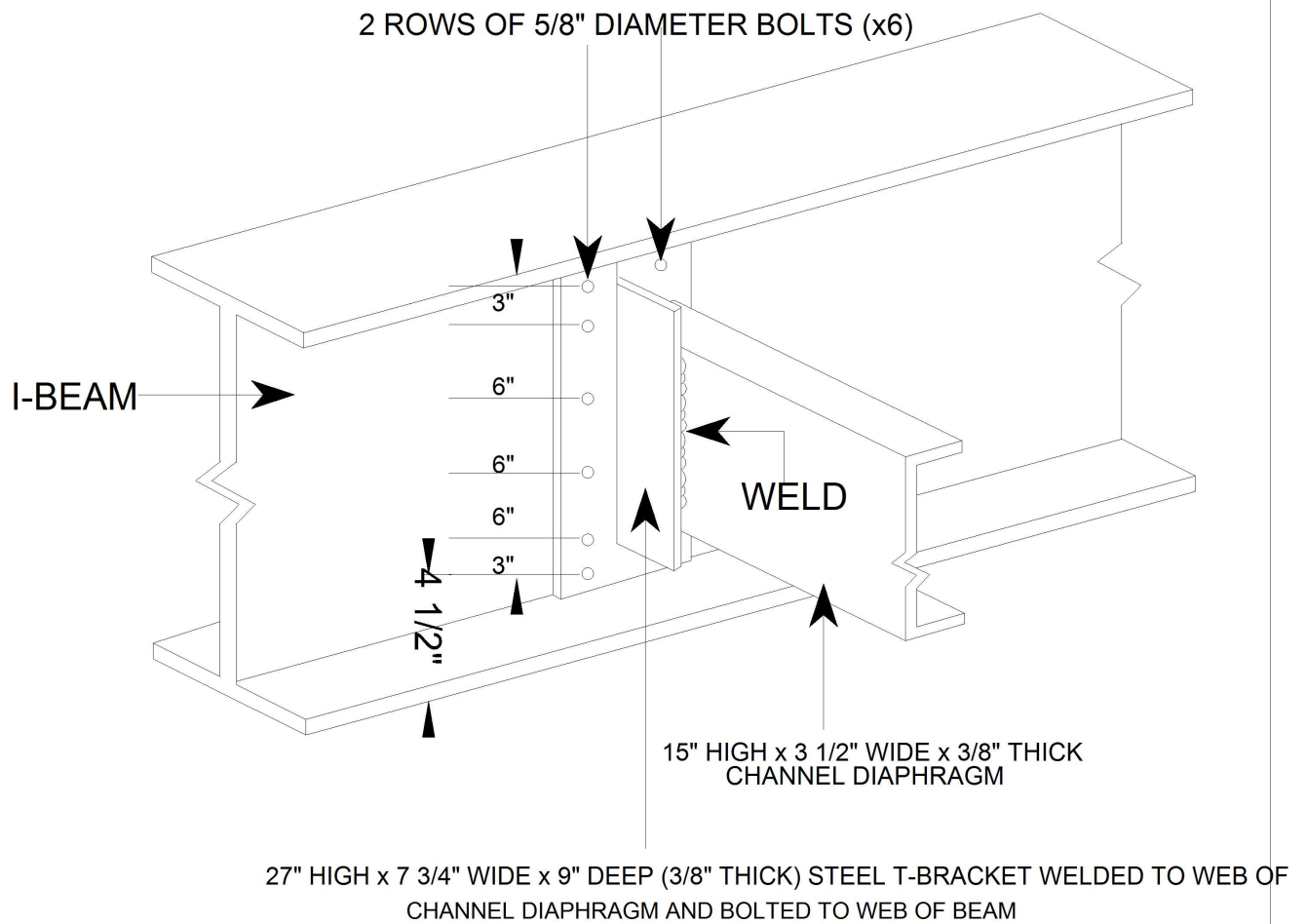
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# Bridge Inspection Field Sketch

## DIAPHRAGM DETAILS

LOCATIONS : 1/3 POINTS OF SPANS



VERIFIED BY ERIC PATTERSON ON 7-30-2014

**Title**

INTERMEDIATE DIAPHRAGMS

**Description**

DIAPHRAGM DETAILS

Bridge No:

350002

Drawn By:

DELVIN ADAMS

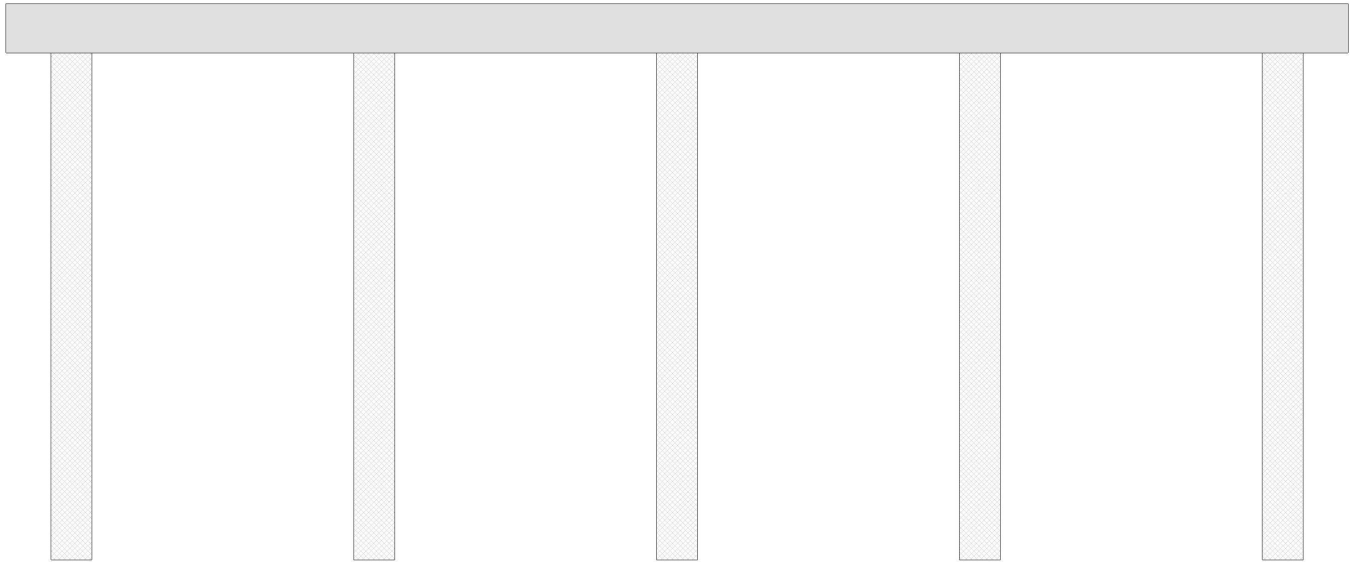
Date:

8/7/2012

File Name:

S0146031696

# Bridge Inspection Field Sketch



<b>Cap Information</b>			<b>Material</b> Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
82.000 ft.	3.000 ft.	3.000 ft.	4.000 ft.	4.000 ft.	2.500 ft.	2.500 ft.				
<b>Subcap Information</b>			<b>Material</b>							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
<b>Sill Information</b>			<b>Material</b>							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	18.500 ft.	2.500 ft.	3.000 ft.		Vertical	No	No	No	No
2	Concrete	18.500 ft.	2.500 ft.	3.000 ft.		Vertical	No	No	No	No
3	Concrete	18.500 ft.	2.500 ft.	3.000 ft.		Vertical	No	No	No	No
4	Concrete	18.500 ft.	2.500 ft.	3.000 ft.		Vertical	No	No	No	No
5	Concrete		2.500 ft.	3.000 ft.		Vertical	No	No	No	No
<p><b>VERIFIED BY ERIC PATTERSON ON 7-30-2014</b></p>										
<b>Bent/Abutment #:</b> 1			<b>Similar Bents:</b> 2,3							

<b>Title</b>				<b>Description</b>			
INTERIOR BENTS				SUBSTRUCTURE DETAILS			
<b>Bridge No:</b>	350002	<b>Drawn By:</b>	DELVIN ADAMS	<b>Date:</b>	8/7/2012	<b>File Name:</b>	S0146031697



BENT 2



BENT 3



ABUT.2



EAST APPROACH





GUARDRAIL END FOR THE NORTHEAST AND SOUTHWEST CORNERS



INFOR. PLATE AT THE NORTHEAST CORNER



GUARDRAIL ATTACHED TO THE BRIDGE RAIL FOR THE SOUTHEAST AND NORTHWEST CORNERS



GUARDRAIL LOOKING EAST





GUARDRAIL LOOKING WEST



WEST APPROACH



WEST APPROACH



INFOR. PLATE AT THE SOUTHWEST CORNER





ABUT. 1



BENT 1



LOOKING NORTH



LOOKING SOUTH