



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

VERT CLR VERIFIED

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GASTON BRIDGE NUMBER 350136 INSPECTION CYCLE 2 YRS
 ROUTE SR2339 ACROSS I85 M.P. 0

LOCATION 0.6 MI. E. JCT. SR2339

SUPERSTRUCTURE RC DECK ON PRECAST PRESTRESSED CONCRETE GIRDERS

SUBSTRUCTURE END BENTS: RC CAP ON STEEL PILES, INT. BENTS: RC POST & BEAM

SPANS 1@59'3, 2@59'0, 1@59'3, COMPOSITE

LONGITUDE 81° 6' 32.91" LATITUDE 35° 15' 39.04"

INSPECTION DATE 08/26/2014 PRESENT CONDITION GOOD

PRESENT POSTING N NOT POSTED PROPOSED POSTING _____

OTHER SIGNS PRESENT (4) DELINEATORS



WEST APPROACH

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	_____

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	350136		SUFFICIENCY RATING =			76
(8) STRUCTURE NUMBER(FEDERAL)		00000000710136		STATUS =	Functionally Obsolete		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31023390					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	71	(4) PLACE CODE	39480	(112)NBIS BRIDGE SYSTEM -			YES
(6) FEATURE INTERSECTED - I85				(104)HIGHWAY SYSTEM	Is not on NHS		0
(7) FACILITY CARRIED SR2339				(26) FUNCTIONAL CLASS -	Collector		17
(9) LOCATION 0.6 MI. E. JCT. SR2339				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route		0
(11)MILEPOINT			0	(101)PARALLEL STRUCTURE -	No Parallel Structure		N
(16)LAT 35° 15' 39.04"	(17)LONG	81° 6' 32.91"		(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: Prestressed Concrete				(58) DECK			7
TYPE - Stringer Mutlibeam or Girder		CODE	502	(59) SUPERSTRUCTURE			6
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE			7
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION			N
(45) NUMBER OF SPANS IN MAIN UNIT			4	(62) CULVERTS			N
(46) NUMBER OF APPROACH SPANS				LOAD RATING AND POSTING			
(107)DECK STRUCTURE TYPE - 1		CODE		(31) DESIGN LOAD	HS 15		3
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(63) OPERATING RATING METHOD -	Load Factor		1
(A) TYPE OF WEARING SURFACE -		CODE		(64) OPERATING RATING -	HS-55		99
(B) TYPE OF MEMBRANE -		CODE		(65) INVENTORY RATING METHOD -	Load Factor		1
(C) TYPE OF DECK PROTECTION -		CODE		(66) INVENTORY RATING -	HS-30		54
				(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			1960	(67) STRUCTURAL EVALUATION			6
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY			4
(42) TYPE OF SERVICE : ON - Highway				(69) UNDERCLEARANCES,VERTI & HORIZ			3
UNDER - Highway		CODE	11	(71) WATERWAY ADEQUACY			N
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE			6	(72) APPROACH ROADWAY ALIGNMENT			6
(29) AVERAGE DAILY TRAFFIC			4900	(36) TRAFFIC SAFETY FEATURES			0000
(30) YEAR OF ADT 2012	(109) TRUCK ADT PCT		7%	(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			58 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH			237 FT	(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT 1.6 FT RIGHT 1.6 FT			1.6 FT	(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			28.08 FT	(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT			31.33 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			23 FT	(114)FUTURE ADT 9800	(115) YEAR FUTURE ADT	2025	
(33) BRIDGE MEDIAN - No Median		CODE	0	INSPECTIONS			
(34) SKEW 0°	(35) STRUCTURE FLARED		0	(90) INSPECTION DATE			08/26/2014
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	(92) CRITICAL FEATURE INSPECTION :			(93) CFI DATE
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			28.08 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			18 FT	C) OTHER SPECIAL INSP	NO		C)
(55) MIN LAT UNDERCLEAR RT REF Highway			8.67 FT	SCOUR			
(56) MIN LAT UNDERCLEAR LT REF -			7.25 FT	NAVIGATION DATA			
(38) NAVIGATION CONTROL - Not Applicable		CODE	N	(39) 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: 350136

County: GASTON

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer 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 SBL	11000850	17.92	22.20	1	10085		11	3	56500	2012	51.75	H	17.83	8.5	7.25	9	1	1	1
3	I 85 NBL	11000850	18.25	22.20	1	10085		11	3	56500	2012	51.92	H	18	8.67	7.25	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: 10/01/2014

COUNTY : GASTON DIVISION : 12 DISTRICT : 1 STRUCTURE NUMBER : 350136 LENGTH : 237 FEET

ROUTE CARRIED : SR2339 FEATURE INTERSECTED : I85

LOCATED : 0.6 MI. E. JCT. SR2339 BRIDGE NAME : CITY : LOWELL

FUNC. CLASS : 17 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 4900 2012 RAIL TYPE : LT 111 RT 111

BUILT : 1960 BY : SHC PROJ : 8.16315 FED.AID PROJ : I-85-1(6)20 DESIGN LOAD : HS 15

REHAB : BY : PROJ : ALIGNMENT : TAN SKEW : 90 LANES : ON 2 UNDER 6

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

SUPERSTRUCTURE : RC DECK ON PRESTRESSED CONCRETE GIRDERS

SUBSTRUCTURE : E.BTS: RC CAPS/H-PILES; INT. BTS: RC POST & BEAM

SPANS : 1@59'-3, 2@59', 1@59'-3

BEAMS OR GIRDERS : 4 LINES 45 PRESTRESSED CONCRETE GIRDERS @ 8' CENTERS

FLOOR : 6.25 RC/NO AWS ENCROACHMENT : WATER MAIN DECK (OUT TO OUT) : 31.33 FT

CLEAR ROADWAY : 28.08 FT BETWEEN RAILS : 31.25 FT SIDEWALK OR CURB : LT 1.6 FT RT 1.6 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-30 OPE.RTG. : HS-55 CONTR.MEMBER : intbm POSTED : SV TTST DATE

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

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	I 85 SBL	17.92	17.83	51.75	7.25	8.50
3	I 85 NBL	18.25	18	51.92	7.25	8.67

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 350136 COUNTY GASTON ROUTE SR2339 OVER I85
 STRUCTURE TYPE RC DECK ON PRECAST PRESTRESSED CONCRETE GIRDERS
 ROUTE ORIENTATION W - E SPANS 1@59'3, 2@59'0, 1@59'3, COMPOSITE

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		
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58					c. SCOUR		
a. CONCRETE		4	G		d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
b. TIMBER					50. APPROACH ROADWAY CONDITION		
c. STEEL PLANK				51. APPROACH SLABS			
d. OPEN GRID				52. PAINT SYSTEM			
3. RAILING				CODE			
a. CONCRETE			G	53. UTILITIES			G
b. TIMBER				54. RESPONSE TO LIVE LOAD			G
c. ALUMINUM				55. ESTIMATED REMAINING LIFE			21
d. STEEL							
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS				G			
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED			NO
6. DECK EXP JTS. OR DEVICES. NO. OF EACH				61. PROMPT-ACTION NOTICE ISSUED			NO
a. STEEL PL OR FINGER				62. PRESENTLY POSTED			NO
b. MISC PREFAB				63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			5
c. COMPRESSION SEAL				64. TOTAL SNOOPER INSP. TIME (HRS)			0
d. STANDARD JOINTS		3	G	65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			0
e. OPEN JOINTS							
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				b. SUPERSTRUCTURE		ITEM 59	6
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE		ITEM 60	7
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.		ITEM 61	
13. END DIAP'S, CURTAIN WALLS, & CONN'S				G			
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				a. WATERWAY ADAQUACY			
16. DRAINAGE SYSTEM (ON STRUCTURE)				b. APPR. RDWY. ALIGNMENT			6
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.				USE OF INSP. ACCESSIBILITY EQUIPMENT			
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.				b. ABUT. & BENT COL'S BREASTWALLS			NO
a. ABUT. & INT. BENT CAPS		G		BOAT			NO
c. ABUT. & INT. BENT PILES				OTHER			NO
d. BACKWALLS, WING'S, RETAIN. WALLS		G					
e. ABUT. & BENT FOOTINGS & SILLS							
37. STEEL SUB STR.				SPECIAL INSPECTION REQUESTED FOR			
a. ABUT. & INT. BENT CAPS & RISERS							
b. PILES, BRACING, AND BULKHEADS							
38. FOUNDATION PILES TYPE MATERIAL				NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)				F			
40. FENDER SYSTEMS				80. INSPECTED BY:		<i>Jan Rd</i>	
41. DRIFT				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 DEREK RICKUS			
Assisted By EAP			
Item No.	Grade		
2a	G	SCATTERED COARSE AGGREGATE EXPOSURE IN TOP OF RC DECK	
10	F	CRACKING IN BEAM 1 END OVER BENT 2, SPAN 3. APPROX 2SF SPALLING IN BEAM ENDS WITH RESTEEL EXPOSED, OVER BENT 1, BEAM1 IN SPANS 1 AND 2.	
10A	NO	NO CURVED GIRDERS	
15	G	SCATTERED SURFACE CORROSION ON BEARINGS THROUGHOUT SUPERSTRUCTURE, CONCENTRATED AT BENTS.	
36a	G	SPALLING WITH RESTEEL EXPOSED ON SOUTH END OF BENT 2 CAP, APPROX 2SF.	
38		NOT VISIBLE	
39	F	SCATTERED CRACKING IN POURED CONCRETE SLOPE PROTECTION	
50	F	WEST APPROACH HEAVED, CRACKED, AND POTHOLING.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 350136

County GASTON

Date: 08/26/2014

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	24	WEST APPROACH HEAVED, CRACKED, AND POTHOLING.	
3306	Maintain Concrete Superstructure Components	SF	2	CRACKING IN BEAM 1 END OVER BENT 2, SPAN 3. APPROX 2SF	
3306	Maintain Concrete Superstructure Components	SF	4	SPALLING IN BEAM ENDS WITH RESTEEL EXPOSED, OVER BENT 1, BEAM1 IN SPANS 1 AND 2.	
3334	Bridge Bearings	EA	28	SCATTERED SURFACE CORROSION ON BEARINGS THROUGHOUT SUPERSTRUCTURE, CONCENTRATED AT BENTS.	
3348	Maintain Concrete Substructure Components	LF	2	SPALLING WITH RESTEEL EXPOSED ON SOUTH END OF BENT 2 CAP, APPROX 2SF.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



SCATTERED CRACKING IN POURED CONCRETE SLOPE PROTECTION



SCATTERED COARSE AGGREGATE EXPOSURE IN TOP OF RC DECK



WEST APPROACH HEAVED, CRACKED, AND POTHOLING.



SCATTERED SURFACE CORROSION ON BEARINGS THROUGHOUT SUPERSTRUCTURE, CONCENTRATED AT BENTS.



SPALLING WITH RESTEEL EXPOSED ON SOUTH END OF BENT 2 CAP, APPROX 2SF.



CRACKING IN BEAM 1 END OVER BENT 2, SPAN 3. APPROX 2SF

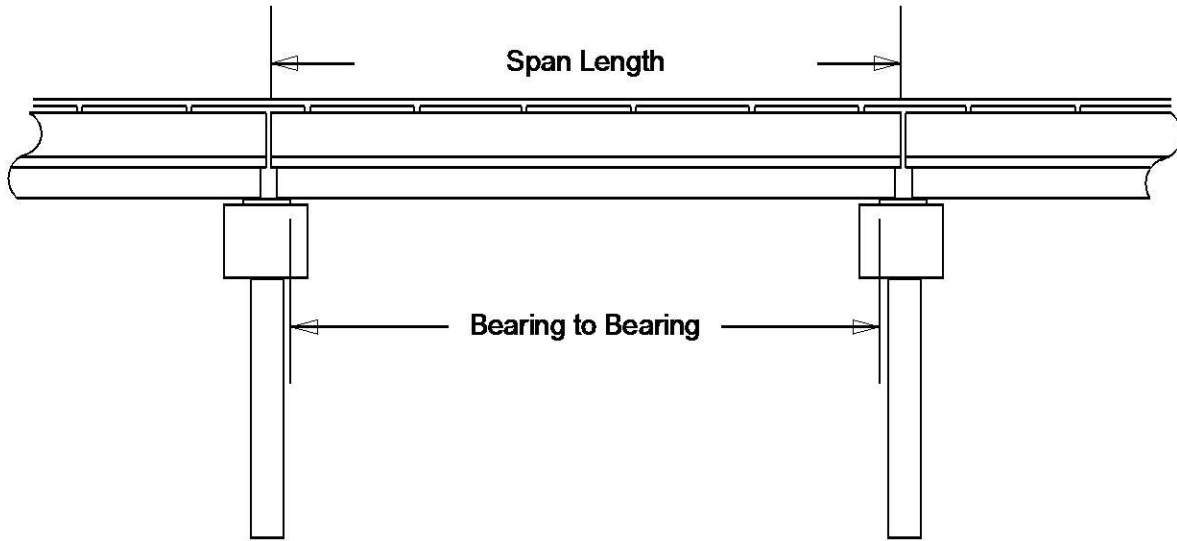


SPALLING IN BEAM ENDS WITH RESTEEL EXPOSED, OVER BENT 1, BEAM1 IN SPANS 1 AND 2.

Structure Data Worksheet

Spans

County: GASTON Structure No: 350136 Date: 08/26/2014 Inspected By: DCR



Span No	Span Length	Bearing to Bearing	Comments
1	59.250'	57.292'	
2	59.000'	57.625'	
3	59.000'	57.625'	
4	59.250'	57.292'	NBIS = 230.5'

Bridge Inspection Field Sketch



Roadway	23.33ft Wide	2 Paved Lanes	Looking East
Left Shoulder	8ft Wide		8.00ft Unpaved
Right Shoulder	7.67ft Wide		7.67ft Unpaved
Left Guardrail			
Right Guardrail	7.67ft from road		

VERIFIED BY DEREK RICKUS ON 8/26/2014

Title

EAST APPROACH ROADWAY

Description

LOOKING WEST

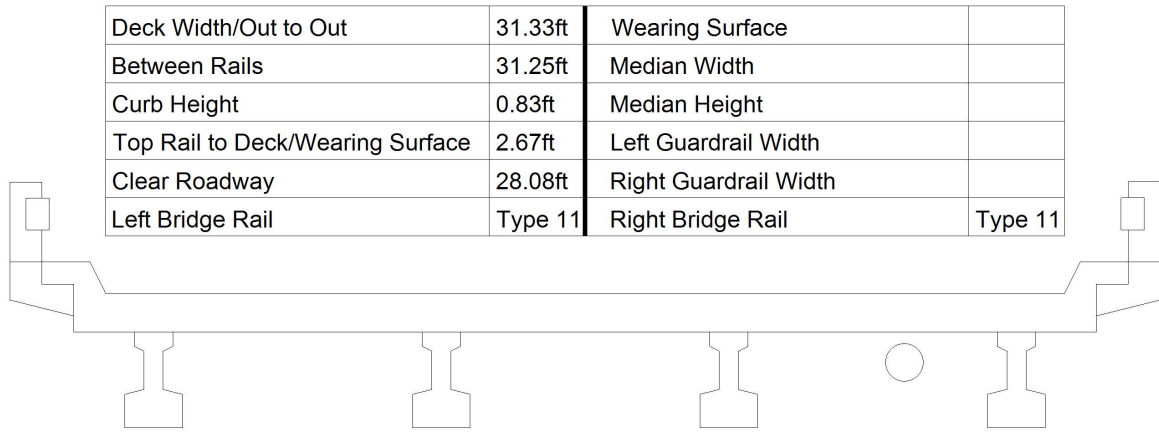
Bridge No: 350136

Drawn By: DJA

Date: 8/21/2008

File Name: S0298000766

Bridge Inspection Field Sketch



Deck Width/Out to Out	31.33ft	Wearing Surface	
Between Rails	31.25ft	Median Width	
Curb Height	0.83ft	Median Height	
Top Rail to Deck/Wearing Surface	2.67ft	Left Guardrail Width	
Clear Roadway	28.08ft	Right Guardrail Width	
Left Bridge Rail	Type 11	Right Bridge Rail	Type 11

NOTE: A 12" DIAM. C.I. UTILITY IS ATTACHED IN BAY 3

Measurements for Span #	1	SPANS 2 TO 4 SIMILAR	
Deck Thickness	0.52	Left Overhang	3.50
Top of Rail to Bottom of Beam		Right Overhang	3.67

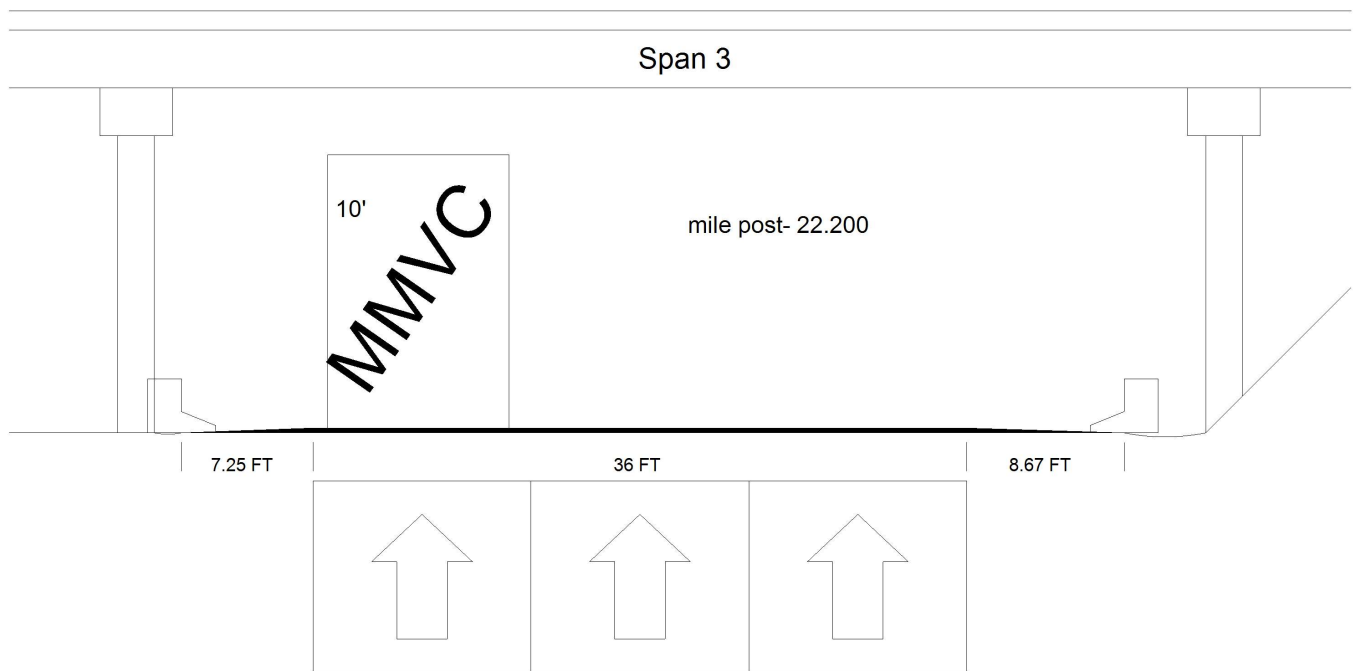
Beam No	Beam Type	Spacing	Comments
1	PPC Girder	8.00ft	SEE PLANS FOR GIRDER SIZE
2	PPC Girder	8.00ft	SEE PLANS FOR GIRDER SIZE
3	PPC Girder	8.00ft	SEE PLANS FOR GIRDER SIZE
4	PPC Girder		SEE PLANS FOR GIRDER SIZE



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Title DECK DIMENSIONS		Description TYPICAL SECTION	
Bridge No: 350136	Drawn By: DJA	Date: 8/21/2008	File Name: S0298000767

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North
Distance to Left Rail	7.25FT	Distance to Right Rail	8.67FT
Distance to Left Toe of Slope		Distance to Left Bent	8.75FT
Distance to Right Toe of Slope	13.17FT	Distance to Right Bent	10.17FT
MMVC	18.25 Ft at Beam 1, 10 FT from LEFT EDGE OF PAVEMENT		
MVC	18 Ft at Beam 1, 0 FT from RIGHT EDGE OF PAVEMENT		

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Title

NORTHBOUND UNDERCLEARANCE

Description

NORTHBOUND UNDERCLEARANCE

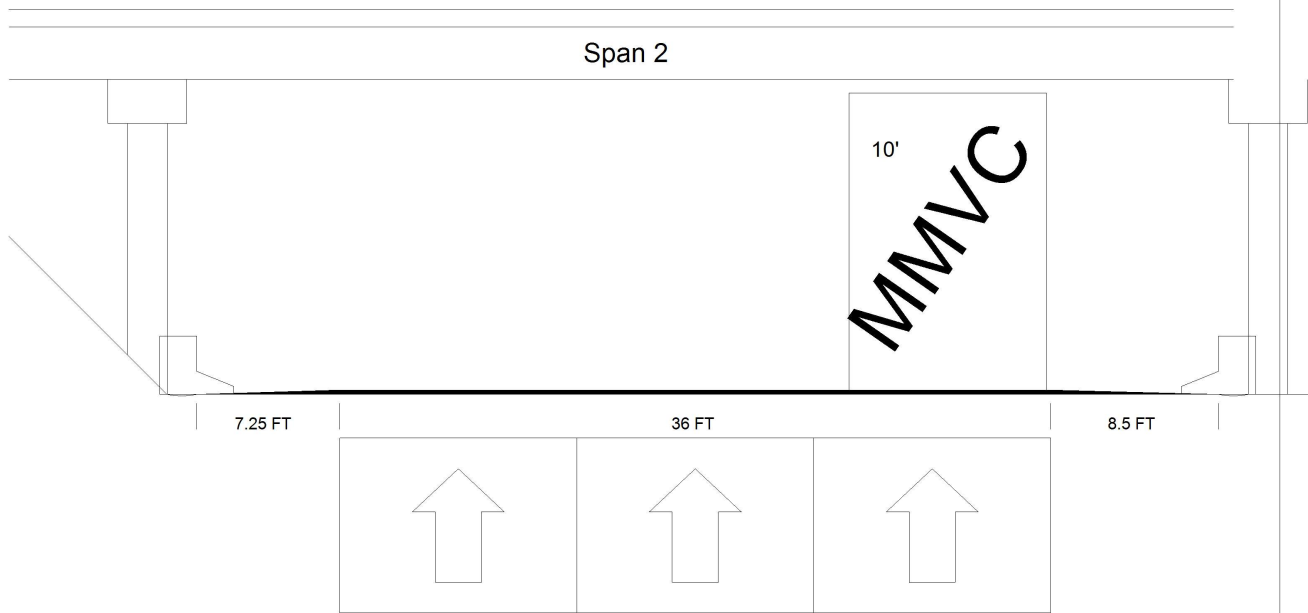
Bridge No: 350136

Drawn By: DJA

Date: 8/21/2008

File Name: S0298000768

Bridge Inspection Field Sketch

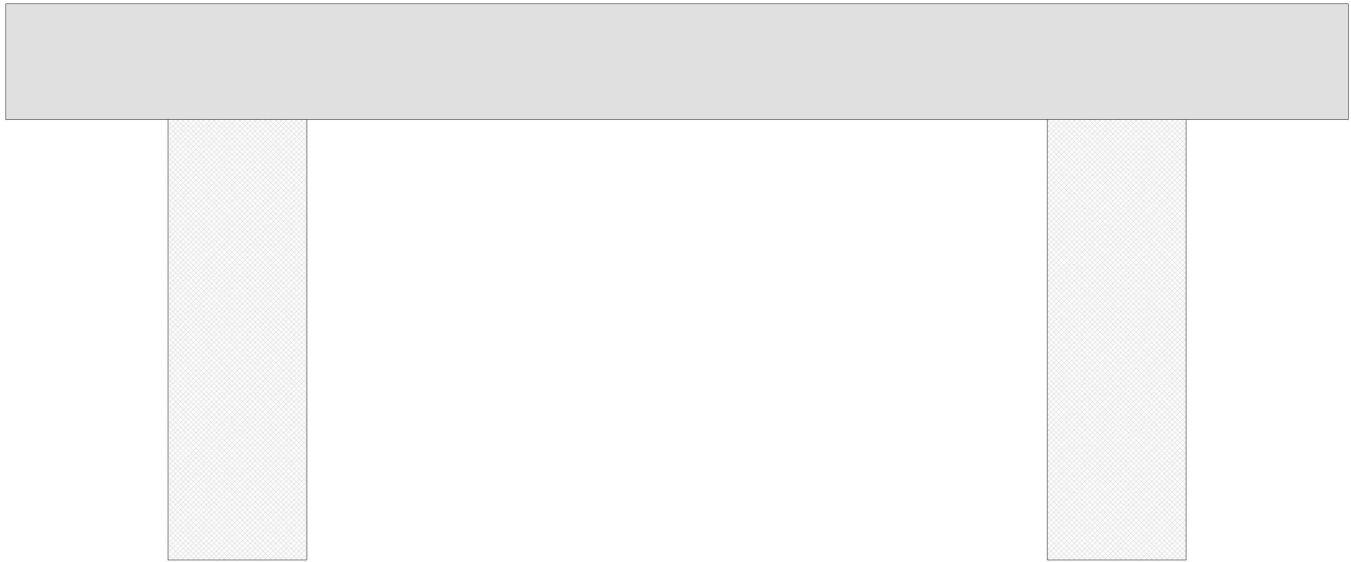


Roadway 1		Direction of Traffic	South
Distance to Left Rail	7.25FT	Distance to Right Rail	8.5FT
Distance to Left Toe of Slope		Distance to Left Bent	8.75FT
Distance to Right Toe of Slope		Distance to Right Bent	10FT
MMVC	17.92 Ft at Beam 1, 10 FT from RIGHT EDGE OF PAVEMENT		
MVC	17.83 Ft at Beam 1, 24 FT from RIGHT EDGE OF PAVEMENT		

VERIFIED BY DEREK RICKUS ON 8/26/2014

Title	Description		
SOUTHBOUND UNDERCLEARANCE	SOUTHBOUND UNDERCLEARANCE		
Bridge No: 350136	Drawn By: DJA	Date: 8/21/2008	File Name: S0298000769

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.				
29.000 ft.	3.000 ft.	2.500 ft.	5.000 ft.	5.000 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	Concrete	19.0 ft.	3.0 ft.	3.0 ft.		Vertical	No	No	No	No
2	Concrete		3.0 ft.	3.0 ft.		Vertical	No	No	No	No
3							No	No	No	No
VERIFIED BY DEREK RICKUS ON 8/26/2014										
Bent/Abutment #: 1			Similar Bents: 2 AND 3							

Title				Description				
SUBSTRUCTURE				DETAILS				
Bridge No: 350136		Drawn By: DEREK RICKUS			Date: 8/15/2012		File Name: S0142001847	



BENT 3



12" DIP HANGING FROM STEEL SUPPORTS IN BAY 3



ABUTMENT 2



GR END, NORTHEAST CORNER



EAST APPROACH



NO GR, EAST APPROACH NORTHEAST CORNER. NO GR AT WEST APPROACH.



GR NOT ATTACHED, NORTHEAST CORNER



DATA PLATE, NORTHEAST CORNER



GUARDRAIL LOOKING EAST



WEST APPROACH



ABUTMENT 1



BENT 1



LOOKING SOUTH



BENT 2



LOOKING NORTH