



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

VERTICAL CLR. CHECKED

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GASTON BRIDGE NUMBER 350137 INSPECTION CYCLE 2 YRS
 ROUTE SR2329 ACROSS I85 M.P. 0

LOCATION 0.4 MI. E. JCT. SR2339

SUPERSTRUCTURE RC DECK ON PLATE GIRDERS (CONT.), SIP FORMS, APPROACH SLABS

SUBSTRUCTURE END BTS:RC CAP ON STL.PILES, INT.BT:RC POST & BEAM,PILE FTG.

SPANS 1@128'8, 1@129'7 CONTINUOUS, COMPOSITE

LONGITUDE 81° 6' 18.22"

LATITUDE 35° 15' 36.67"

INSPECTION DATE 08/26/2014

PRESENT CONDITION GOOD

PRESENT POSTING Not Posted NOT POSTED

PROPOSED POSTING _____

OTHER SIGNS PRESENT NONE

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	_____

WEST APPROACH

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	350137		SUFFICIENCY RATING =			80.94
(8) STRUCTURE NUMBER(FEDERAL)		00000000710137		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31023290					
(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 SR2329				(26) FUNCTIONAL CLASS -	Minor Arterial		16
(9) LOCATION 0.4 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' 36.67"	(17)LONG	81° 6' 18.22"		(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 Continuous				(58) DECK			7
TYPE - Stringer Mutlibeam or Girder		CODE	402	(59) SUPERSTRUCTURE			7
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE			7
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION			N
(45) NUMBER OF SPANS IN MAIN UNIT			2	(62) CULVERTS			N
(46) NUMBER OF APPROACH SPANS				LOAD RATING AND POSTING			
(107)DECK STRUCTURE TYPE - 1		CODE		(31) DESIGN LOAD	HS 20 + MOD		6
(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-35		63
				(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			1995	(67) STRUCTURAL EVALUATION			7
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY			4
(42) TYPE OF SERVICE : ON - Highway - Pedestrian				(69) UNDERCLEARANCES,VERTI & HORIZ			6
UNDER - Highway		CODE	51	(71) WATERWAY ADEQUACY			N
(28) LANES: ON STRUCTURE 5 UNDER STRUCTURE			8	(72) APPROACH ROADWAY ALIGNMENT			8
(29) AVERAGE DAILY TRAFFIC			22000	(36) TRAFFIC SAFETY FEATURES			1111
(30) YEAR OF ADT 2012	(109) TRUCK ADT PCT		6%	(113)SCOUR CRITICAL BRIDGES			N
(19) BYPASS OR DETOUR LENGTH			1 MI	PROPOSED IMPROVEMENTS			
GEOMETRIC DATA				(75) TYPE OF WORK -			CODE
(48) LENGTH OF MAXIMUM SPAN			127 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH			258 FT	(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT			0 FT	(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			64 FT	(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT			67.17 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			64 FT	(114)FUTURE ADT 44000	(115) YEAR FUTURE ADT	2025	
(33) BRIDGE MEDIAN - No Median		CODE	0	INSPECTIONS			
(34) SKEW 2°	(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			64 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			18.167 FT	C) OTHER SPECIAL INSP	NO		C)
(55) MIN LAT UNDERCLEAR RT REF Highway			18 FT	SCOUR			
(56) MIN LAT UNDERCLEAR LT REF -			8 FT	NAVIGATION DATA			
(38) NAVIGATION CONTROL - Not Applicable		CODE	N	(93) CFI DATE			
(111)PIER PROTECTION -		CODE		A) FRACTURE CRIT DETAIL -	NO		A)
(39) NAVIGATION VERTICAL CLEARANCE			0	B) UNDERWATER INSP -	NO		B)
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT	C) OTHER SPECIAL INSP	NO		C)
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT	SCOUR			

Structure No: 350137

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
1	I 85 S	11000850	18.75	22.40	1	10085		11	4	56500	2012	68.67	H	18.33	25	7.67	9	1	1	1
2	I 85 N	11000850	18.83	22.40	1	10085		11	4	56500	2012	62	H	18.17	18	8	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: 10/07/2014

COUNTY : GASTON DIVISION : 12 DISTRICT : 1 STRUCTURE NUMBER : 350137 LENGTH : 258 FEET

ROUTE CARRIED : SR2329 FEATURE INTERSECTED : I85

LOCATED : 0.4 MI. E. JCT. SR2339 BRIDGE NAME : CITY : LOWELL

FUNC. CLASS : 16 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 22000 2012 RAIL TYPE : LT 41 RT 41

BUILT : 1995 BY : DOH PROJ : 8.T810703 FED.AID PROJ : IM-NHF-85-1(DESIGN LOAD : HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : TAN SKEW : 88 LANES : ON 5 UNDER 8

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

SUPERSTRUCTURE : RC DECK ON CONT. STEEL PLATE GIRDERS (S.I.P. METAL FORMS)

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

SPANS : 1@128'-8, 1@129'-7 CONTINUOUS

BEAMS OR GIRDERS : 8 LINES CONT. STEEL PLATE GIRDERS @ 8'-6 CENTERS

FLOOR : 8.5 RC/NO AWS ENCROACHMENT : 4LNS 4 PVC(TEL) DECK (OUT TO OUT) : 67.17 FT

CLEAR ROADWAY : 64 FT BETWEEN RAILS : 64 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-35 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
1	I 85 S	18.75	18.3330	68.6670	7.6670	25
2	I 85 N	18.8330	18.1670	62	8	18

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 350137 COUNTY GASTON ROUTE SR2329 OVER 185
 STRUCTURE TYPE RC DECK ON PLATE GIRDERS (CONT.), SIP FORMS, APPROACH SLABS
 ROUTE ORIENTATION W - E SPANS 1@128'8, 1@129'7 CONTINUOUS, 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	
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58		2 G		b. ALIGNMENT	
a. CONCRETE				c. SCOUR	
b. TIMBER				d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
c. STEEL PLANK			50. APPROACH ROADWAY CONDITION		F
d. OPEN GRID			51. APPROACH SLABS	ELS	F
3. RAILING		G	52. PAINT SYSTEM	CODE 10-9-14 W	
a. CONCRETE			53. UTILITIES		G
b. TIMBER			54. RESPONSE TO LIVE LOAD		G
c. ALUMINUM			55. ESTIMATED REMAINING LIFE		46
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		2 G	63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)		5
c. COMPRESSION SEAL			64. TOTAL SNOOPER INSP. TIME (HRS)		
d. STANDARD JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)		
e. OPEN JOINTS					
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			G		
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59			70. SI&A GENERAL CONDITION RATINGS		
10. LONGITUDINAL BEAMS OR GIRDERS			G	a. DECK	ITEM 58 7
11. LONGITUDINAL JOIST OR STRINGERS				b. SUPERSTRUCTURE	ITEM 59 7
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			G	c. SUBSTRUCTURE	ITEM 60 7
13. END DIAP'S, CURTAIN WALLS, & CONN'S			G	d. CHANNEL & CHANNEL PROT.	ITEM 61
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS	
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			G	a. WATERWAY ADAQUACY	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT	8
17. MOVABLE SPAN MACHINERY					
				72. FIELD SCOUR EVALUATION	
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)			USE OF INSP. ACCESSIBILITY EQUIPMENT		
35. TIM SUB STR.				SNOOPER (CODE S, 4, OR N)	HRS NO
a. ABUT. & INT. BENT CAPS & RISERS			LADDER		NO
b. PILES, POST, SILLS, & BRACING			BUCKET TRUCK		NO
c. BULKHEADS, WING'S, & TIE BACKS			BOAT		NO
36. CONC SUB STR.				OTHER	NO
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.				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)			G		
40. FENDER SYSTEMS				80. INSPECTED BY:	<i>JLR</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	THERE IS A TRANSVERSE CRACK IN EACH SPAN ALONG THE CONSTRUCTION JOINTS.	
3a	G	BOTH RAILINGS HAVE HAIRLINE VERTICAL CRACKS WITH EFFLORESCENCE.	
6b	G	SEDIMENT IS PRESENT IN BOTH JOINTS AND THE ARMOR PLATES ARE BEGINNING TO RUST. NO SETTLEMENT OF THE JOINTS IS NOTED.	
10A	NO	NO CURVED GIRDERS	
37b		NOT VISIBLE	
38		NOT VISIBLE	
50	F	THE APPROACHES HAVE MAP CRACKING AND ARE SETTLED 1/2" ALONG THE FILLFACES .	
51	F	APPROACH SLABS HAVE LONG. CRACKING 1/16" TO 1/8" WIDE FOR FULL LENGTH OF THE SLABS.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 350137

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
3353	Maintenance or Repair of Concrete Bridge Approach Slabs	EA	2	APPROACH SLABS HAVE LONG. CRACKING 1/16" TO 1/8" WIDE FOR FULL LENGTH OF THE SLABS.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

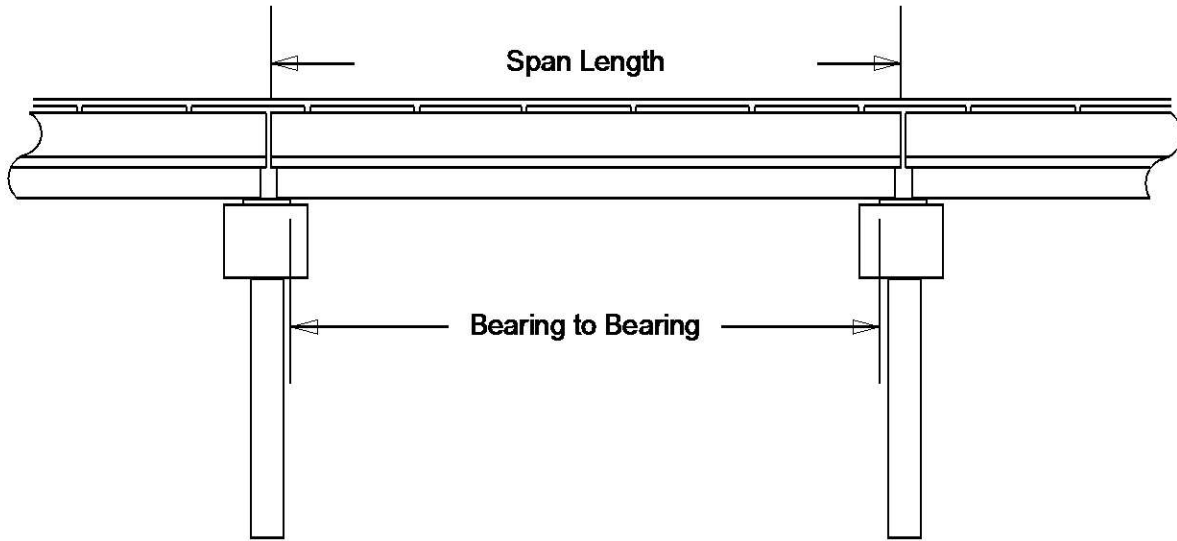


APPROACH SLABS HAVE LONG. CRACKING 1/16" TO 1/8" WIDE FOR FULL LENGTH OF THE SLABS.

Structure Data Worksheet

Spans

County: GASTON Structure No: 350137 Date: 08/26/2014 Inspected By: DCR



Span No	Span Length	Bearing to Bearing	Comments
1	128.667'	126.667'	
2	129.583'	127.292'	NBIS = 252.5'

Bridge Inspection Field Sketch

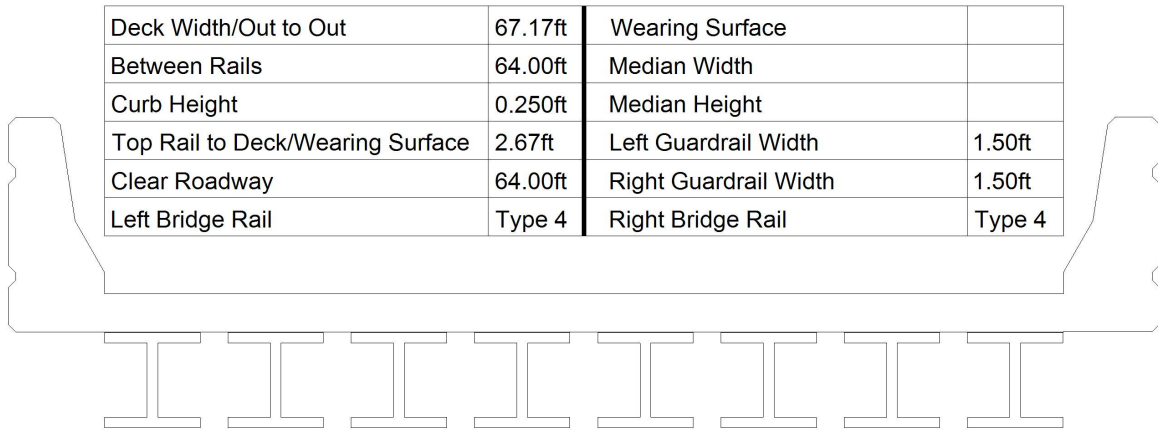


Roadway	60.00ft Wide	5 Paved Lanes	Looking East
Left Shoulder	2ft Wide	2.00ft Paved	
Right Shoulder	2ft Wide	2.00ft Paved	
Left Guardrail	2.50ft from road		
Right Guardrail	2.50ft from road		

VERIFIED BY ERIC PATTERSON ON 8-26-2014

Title APPROACH ROADWAY		Description LOOKING EAST	
Bridge No: 350137	Drawn By: DJA	Date: 8/21/2008	File Name: S0298000770

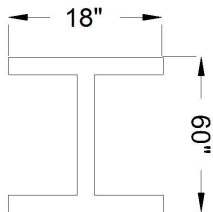
Bridge Inspection Field Sketch



Deck Width/Out to Out	67.17ft	Wearing Surface	
Between Rails	64.00ft	Median Width	
Curb Height	0.250ft	Median Height	
Top Rail to Deck/Wearing Surface	2.67ft	Left Guardrail Width	1.50ft
Clear Roadway	64.00ft	Right Guardrail Width	1.50ft
Left Bridge Rail	Type 4	Right Bridge Rail	Type 4

Measurements for Span #	1	SPAN 2 SIMILAR	
Deck Thickness	0.71	Left Overhang	3.83
Top of Rail to Bottom of Beam		Right Overhang	3.83

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	8.50ft	
2	Steel I Beam	8.50ft	
3	Steel I Beam	8.50ft	
4	Steel I Beam	8.50ft	
5	Steel I Beam	8.50ft	
6	Steel I Beam	8.50ft	
7	Steel I Beam	8.50ft	
8	Steel I Beam		



NOTE: 4 LINES OF 4" DIAM. PVC TELEDUCT IN BAY 7

FLANGE THICKNESS = 7/8"
WEB THICKNESS = 7/8"

VERIFIED BY ERIC PATTERSON ON 8-26-2014

Title

DECK DIMENSIONS

Description

TYPICAL SECTION

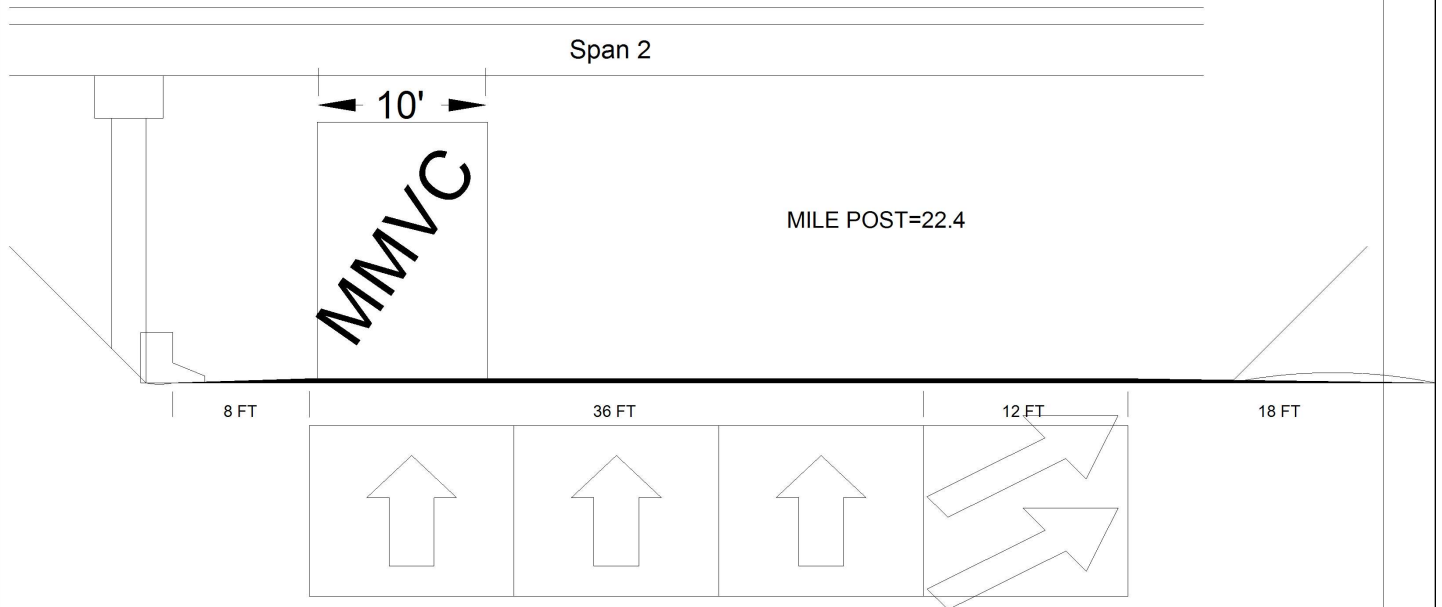
Bridge No: 350137

Drawn By: DJA

Date: 8/21/2008

File Name: S0298000771

Bridge Inspection Field Sketch

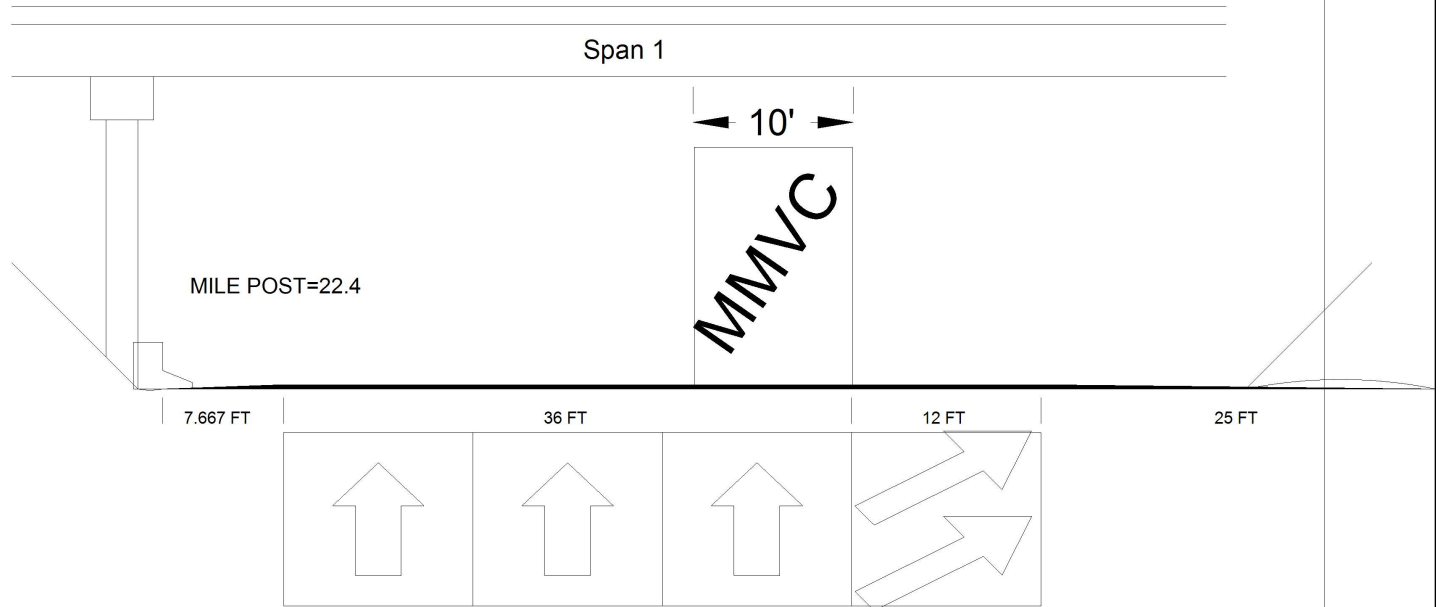


Roadway 1		Direction of Traffic	North
Distance to Left Rail	8FT	Distance to Right Rail	
Distance to Left Toe of Slope		Distance to Left Bent	9.583FT
Distance to Right Toe of Slope	18FT	Distance to Right Bent	
MMVC	18.833 Ft at Beam 1, 0 FT from LEFT EDGE OF ROADWAY		
MVC	18.167 Ft at Beam 1, 0 FT from RIGHT EDGE OF RIGHT THRU LANE		

VERIFIED BY ERIC PATTERSON ON 8-26-2014

Title SPAN #2 OVER I-85 NORTHBOUND	Description SPAN #2 UNDERCLEARANCE
Bridge No: 350137	Drawn By: DJA
Date: 8/21/2008	File Name: S0298000772

Bridge Inspection Field Sketch

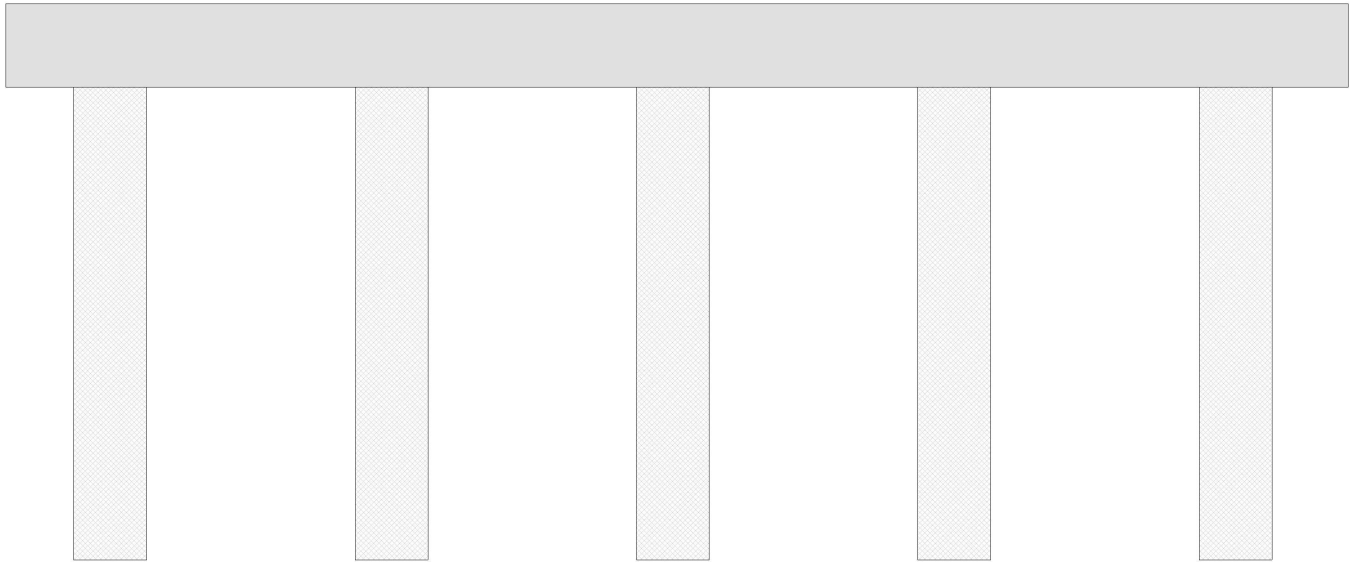


Roadway 1		Direction of Traffic	South
Distance to Left Rail	7.667FT	Distance to Right Rail	
Distance to Left Toe of Slope		Distance to Left Bent	9.25FT
Distance to Right Toe of Slope	25FT	Distance to Right Bent	
MMVC	18.75 Ft at Beam 1, 0 FT from RIGHT EDGE OF RIGHT THRU LANE		
MVC	18.333 Ft at Beam 1, 0 FT from LEFT EDGE OF ROADWAY		

VERIFIED BY ERIC PATTERSON ON 8-26-2014

Title SPAN #1 OVER I-85 SOUTHBOUND	Description SPAN #1 UNDERCLEARANCE
Bridge No: 350137	Drawn By: DJA
Date: 8/21/2008	File Name: S0298000773

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.				
64.400 ft.	4.000 ft.	4.000 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	13.5 ft.	3.5 ft.			Vertical	No	No	No	No
2	Concrete	13.5 ft.	3.5 ft.			Vertical	No	No	No	No
3	Concrete	13.5 ft.	3.5 ft.			Vertical	No	No	No	No
4	Concrete	13.5 ft.	3.5 ft.			Vertical	No	No	No	No
5	Concrete		3.5 ft.			Vertical	No	No	No	No
<p>VERIFIED BY ERIC PATTERSON ON 8-26-2014</p>										
Bent/Abutment #: 1			Similar Bents: NONE							

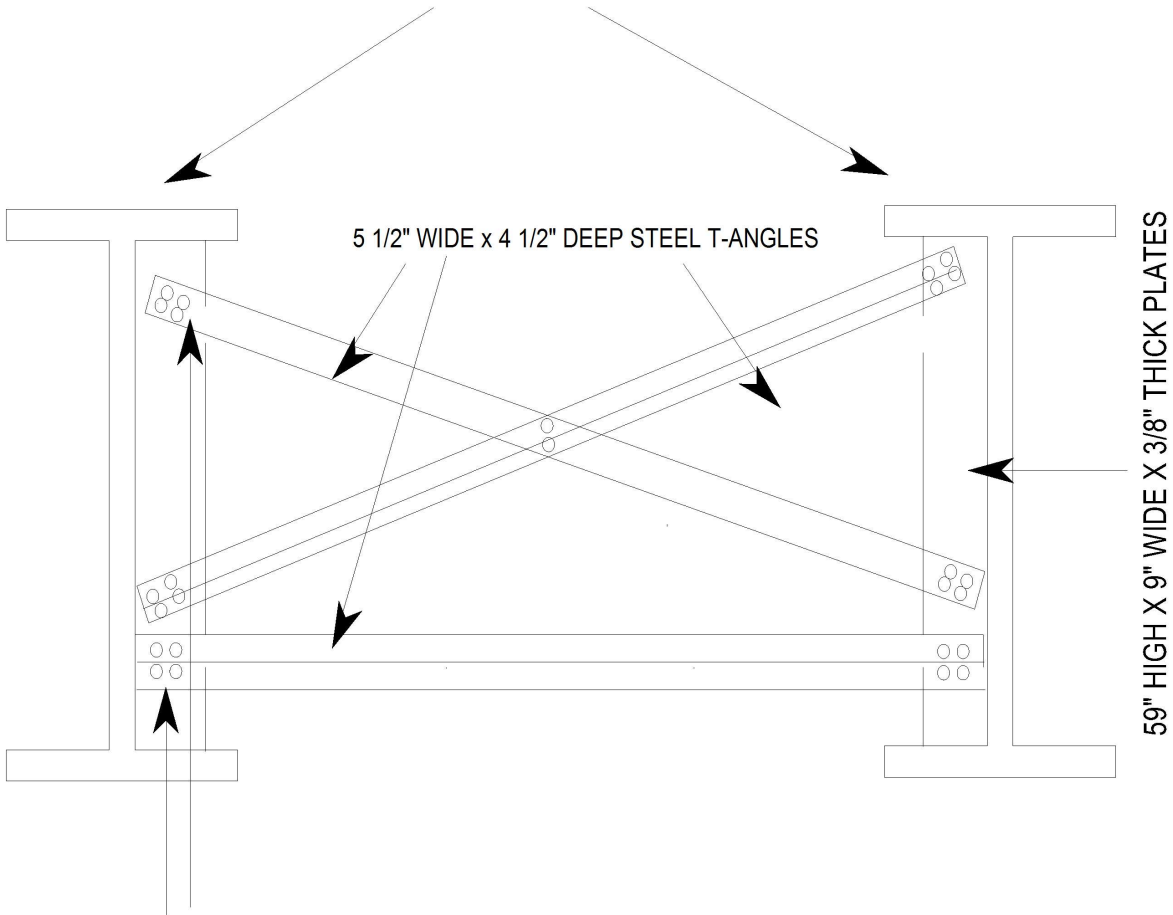
Title				Description			
BENT 1				SUBSTRUCTURE DETAILS			
Bridge No:	350137	Drawn By:	DEREK RICKUS	Date:	8/15/2012	File Name:	S0142001848

Bridge Inspection Field Sketch

INTERMEDIATE DIAPHRAGMS (WEATHERING STEEL)

LOCATIONS : 1/5 POINTS OF SPANS

I-BEAMS



3/4" BOLTS (5" FROM BOTTOM BOLTS TO BOTTOM FLANGE,
14" MIDDLE BOLTS TO BOTTOM FLANGE,
41" TOP BOLTS TO BOTTOM FLANGE,

VERIFIED BY ERIC PATTERSON ON 8-26-2014

Title
DIAPH

Description
DETAILS

Bridge No: 350137

Drawn By: DEREK RICKUS

Date: 8/15/2012

File Name: S0142001849



BENT 1



ABUT. 2



UTILITY IN BAY 7



GUARDRAIL ATTACHED TO THE BRIDGE RAIL FOR ALL FOUR CORNERS



GUARDRAIL END FOR ALL FOUR CORNERS



EAST APPROACH



GUARDRAIL LOOKING EAST



SIGN ATTACHED TO THE RT. RAIL IN SPAN 2 OVER THE ROADWAY.



GUARDRAIL LOOKING WEST



WEST APPROACH



ABUT. 1



LOOKING SOUTH



SIGN ATTACHED TIO THE RT, RAIL IN SPAN 2



LOOKING NORTH