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** 350126 **INSPECTION CYCLE** 2 **YRS** 18.500

ROUTE MODENA STREET **ACROSS** I85 **M.P.** 0

LOCATION 1.3 MI. N. JCT. US321

SUPERSTRUCTURE REINFORCED CONCRETE DECK ON I-BEAMS, APPROACH SLABS

SUBSTRUCTURE ABUTS:RC SPILL THROUGH, INTBTS:RC POST&BEAM ON SPREAD FTGS.

SPANS 1@64'0, 1@68'2, 1@67'10, 1@60'6

LONGITUDE 81° 9' 58.19" **LATITUDE** 35° 16' 40.49"

PRESENT CONDITION GOOD **INVENTORY RATING**

INSPECTION DATE 09/06/2012 **OPERATING RATING**

PRESENT POSTING Not Posted **PROPOSED POSTING**

COMPUTER UPDATE **ANALYSIS DATE**

POSTING LETTER DATE **SUFFICIENCY RATING**

OTHER SIGNS PRESENT NONE

WEST APPROACH

SIGN NOTICE ISSUED FOR		NUMBERED REOUIRED
No	WEIGHT LIMIT	
No	DELINEATORS	
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 10/05/2012

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **350126**
(8) STRUCTURE NUMBER(FEDERAL) 000000000710126
(5) INVENTORY ROUTE (ON/UNDER) - ON 50000000
(2) STATE HIGHWAY DEPARTMENT DISTRICT 1
(3) COUNTY CODE 71 (4) PLACE CODE 25580
(6) FEATURE INTERSECTED - I85
(7) FACILITY CARRIED MODENA STREET
(9) LOCATION 1.3 MI. N. JCT. US321
(11)MILEPOINT 0
(16)LAT 35° 16' 40.49" (17)LONG 81° 9' 58.19"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
TYPE - Stringer Mutlibeam or Girder CODE 302
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 4
(46) NUMBER OF APPROACH SPANS
(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 1963
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway - Pedestrian
UNDER - Highway CODE 51
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 4700
(30) YEAR OF ADT 2010 (109) TRUCK ADT PCT 7%
(19) BYPASS OR DETOUR LENGTH 1 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 67 FT
(49) STRUCTURE LENGTH 261 FT
(50)CURB OR SIDEWALK: LEFT 5.1 FT RIGHT 5.1 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 28 FT
(52) DECK WIDTH OUT TO OUT 40.458 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 32 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 32° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Highway 16.167 FT
(55) MIN LAT UNDERCLEAR RT REF Highway 8.083 FT
(56) MIN LAT UNDERCLEAR LT REF - 6.667 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - Not Applicable CODE N
(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 = 66.42
STATUS = Functionally Obsolete

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Collector 17
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(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

CONDITION — CODE

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

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD HS 20 + MOD 6
(63) OPERATING RATING METHOD - Load Factor
(64) OPERATING RATING - HS-51 191
(65) INVENTORY RATING METHOD - Load Factor
(66) INVENTORY RATING - HS-30 154
(70) BRIDGE POSTING - No Posting Required 5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED A
DESCRIPTION - Open, No Restriction

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 5
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES,VERTI & HORIZ 3
(71) WATERWAY ADEQUACY N
(72) APPROACH ROADWAY ALIGNMENT 7
(36) TRAFFIC SAFETY FEATURES 0111
(113)SCOUR CRITICAL BRIDGES N

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 9600 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 09/06/2012
(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

Structure No: 350126 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*					STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade			
	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	16.42	18.50	1	10085		11	3	49500	2011	50.75	H	16.33	8.58	6.17	9	1	1	1
3	I 85	11000850	16.25	18.50	1	10085		11	3	49500	2011	50.75	H	16.17	8.08	6.67	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: 10/05/2012

COUNTY : GASTON
DIVISION : 12
DISTRICT: 1
STRUCTURE NUMBER : 350126
LENGTH : 261 FEET

ROUTE CARRIED : MODENA STREET
FEATURE INTERSECTED : I85

LOCATED : 1.3 MI. N. JCT. US321
BRIDGE NAME :
CITY : GASTONIA

FUNC. CLASS : 17
SYST.ON : FA
SYST.UNDER : NFA
ADT & YR : 4700 2010
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 : 122
LANES : ON 2 UNDER 0

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

SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS, APPROACH SLABS

SUBSTRUCTURE : ABUTS:RC SPILL THROUGH, INTBTS:RC POST&BEAM ON SPREAD FTGS.

SPANS : 1@64'0, 1@68'2, 1@67'10, 1@60'6

BEAMS OR GIRDERS : 6LNS I-BMS@7'0 CTS,SP#1&4:W36X135,#2&3:W36X160EXT,W36X150INT

FLOOR : 7 1/2 RC SLAB
ENCROACHMENT : UTILITY LINES
DECK (OUT TO OUT) : 40.458 FT

CLEAR ROADWAY : 28 FT
BETWEEN RAILS : 38.25 FT
SIDEWALK OR CURB : LT 5.1 FT RT 5.1 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-30
OPE.RTG. : HS-51
CONTR.MEMBER : Int.bmsSpD
POSTED : SV TTST DATE

SYSTEM : Primary Muncipal roads over State System
GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	I 85 SBL	16.4170	16.3330	50.75	6.1670	8.5830
3	I 85	16.25	16.1670	50.75	6.6670	8.0830

Note: All measurements are in feet.

REMARKS :

BRIDGE I & A FORM1 (90)A

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
BRIDGE NO. 350126 COUNTY GASTON ROUTE MODENA STREET OVER I85
STRUCTURE TYPE REINFORCED CONCRETE DECK ON I-BEAMS, APPROACH SLABS
ROUTE ORIENTATION W - E SPANS 1@64'0, 1@68'2, 1@67'10, 1@60'6

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	4	F
	b. TIMBER		
	c. STEEL PLANK		
	d. OPEN GRID		
3. RAILING	a. CONCRETE		
	b. TIMBER		
	c. ALUMINUM		G
	d. STEEL		G
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)			G
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER		
	b. MISC PREFAB		
	c. COMPRESSION SEAL		
	d. STANDARD JOINTS	5	G
	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			F
11. LONGITUDINAL JOIST OR STRINGERS			
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			G
13. END DIAP'S, CURTAIN WALLS, & CONN'S			G
14. FLOOR BEAMS AND CONNECTIONS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			F
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		G
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			

ITEM 61		
45. CHANNEL & CHANNEL PROT.	a. WATERWAY	
	b. ALIGNMENT	
	c. SCOUR	
	d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
50. APPROACH ROADWAY CONDITION		F
51. APPROACH SLABS		G
52. PAINT SYSTEM CODE A		F
53. UTILITIES		G
54. RESPONSE TO LIVE LOAD		G
55. ESTIMATED REMAINING LIFE		24
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)		6
64. TOTAL SNOOPER INSP. TIME (HRS)		
65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)		
70. SI&A GENERAL CONDITION RATINGS		
a. DECK	ITEM 58	5
b. SUPERSTRUCTURE	ITEM 59	5
c. SUBSTRUCTURE	ITEM 60	7
d. CHANNEL & CHANNEL PROT.	ITEM 61	NA
71. SI&A FIELD APPRAISAL RATINGS		
a. WATERWAY ADAQUACY		NA
b. APPR. RDWY. ALIGNMENT		7
72. FIELD SCOUR EVALUATION		
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:	[illegible]	
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 **DJA**

Item No.	Grade	
2a	**F**	DECK ROADWAY SURFACE HAS SCATTERED DIAGONAL CRACKING ALONG THE JOINTS AND MODERATE MAP CRACKING. ROADWAY SURFACE HAS NUMEROUS POPOUTS AND TRANSVERSE CRACKS SOME WITH EXPOSED REBAR IN THE EASTBOUND LANE OF SPAN 1. SPAN 3 HAS SIMILAR CRACKING. DIAG. CRACKING ALONG THE END SPANS. SPAN 1 HAS EPOXY TYPE REPAIRS ALONG THE CL OF RDWY. AND IN THE RT. LANE FOR MOST OF THE SPAN LENGTH.
10	**F**	LIGHT SURFACE ALONG THE FLGS. ESPEC. THE EXTERIOR. MINOR CORROSION ON BEAM ENDS DUE TO LOSS OF PAINT.
15	**F**	LIGHT SURFACE RUST
52	**F**	LIGHT SURFACE CORROSION ON BEAM ENDS AND BEARINGS DUE TO PAINT FAILURE.
36a	**G**	WEST FACE OF BENT 1 CAP HAS A 6 INCH WIDE X 4 INCH HIGH X 1 INCH DEEP SPALL UNDER BEAM 5 OF SPAN 1.
36b	**G**	EAST FACE OF BENT 3, COLUMN 3 HAS A VERTICAL H/L CRACK 10 FT LONG STARTING AT THE GROUND. WEST FACE OF COLUMN 3 HAS A SIMILAR BUT SHORTER CRACK. EAST FACE AND WEST FACE OF COLUMN 1 HAS SIMILAR CRACKING.
50	**F**	ASPHALT CHIPPING ALONG THE APPROACH SLAB AND RDWY. FOR TE WEST AND EAST APPROACHES

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 350126 County GASTON Date: 09/06/2012

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	22	ASPHALT CHIPPING ALONG THE APPROACH SLAB AND RDWY. FOR TE WEST AND EAST APPROACHES	
3326	Maintain Concrete Deck	SF	4959	DECK ROADWAY SURFACE HAS SCATTERED DIAGONAL CRACKING ALONG THE JOINTS AND MODERATE MAP CRACKING. ROADWAY SURFACE HAS NUMEROUS POPOUTS AND TRANSVERSE CRACKS SOME WITH EXPOSED REBAR IN THE EASTBOUND LANE OF SPAN 1. SPAN 3 HAS SIMILAR CRACKING.	
5603	Partial Cleaning and Painting of Structural Steel	SF	1000	LIGHT SURFACE ALONG THE FLGS. ESPEC. THE EXTERIOR.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

LIGHT SURFACE ALONG THE FLGS. ESPEC. THE EXTERIOR.

ASPHALT CHIPPING ALONG THE APPROACH SLAB AND RDWY. FOR TE WEST AND EAST APPROACHES

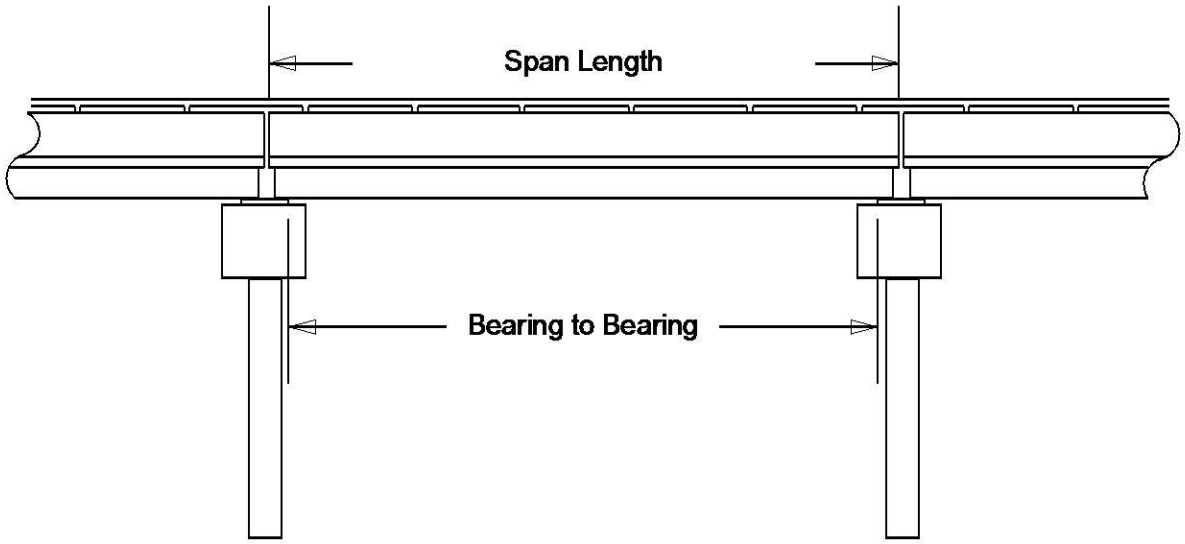
DECK ROADWAY SURFACE HAS SCATTERED DIAGONAL CRACKING ALONG THE JOINTS AND MODERATE MAP CRACKING.
ROADWAY SURFACE HAS NUMEROUS POPOUTS AND TRANSVERSE C

DIAG. CRACKING ALONG THE END SPANS.

SPAN 1 HAS EPOXY TYPE REPAIRS ALONG THE CL OF RDWY. AND IN THE RT. LANE FOR MOST OF THE SPAN LENGTH.

Structure Data Worksheet

County: GASTON **Structure No:** 350126 **Date:** 09/06/2012 **Inspected By:** DCR



Span No	Span Length	Bearing to Bearing	Comments
1	64.0'	61.667'	NBIS=59.333'
2	68.167'	66.833'	NBIS=65.500'
3	67.833'	66.792'	NBIS=65.750'
4	60.500'	58.167'	NBIS=55.833'

Bridge Inspection Field Sketch

SECTION @ 50' FROM WEST FILLFACE

Roadway	28ft Wide	2 Paved Lanes	Looking East
Left Shoulder	8ft Wide	2ft Paved	6ft Unpaved
Right Shoulder	6.667ft Wide	2ft Paved	4.667ft Unpaved
Left Guardrail	8ft from road		
Right Guardrail	6.667ft from road		

VERIFIED 9-6-2012 BY DELVIN ADAMS

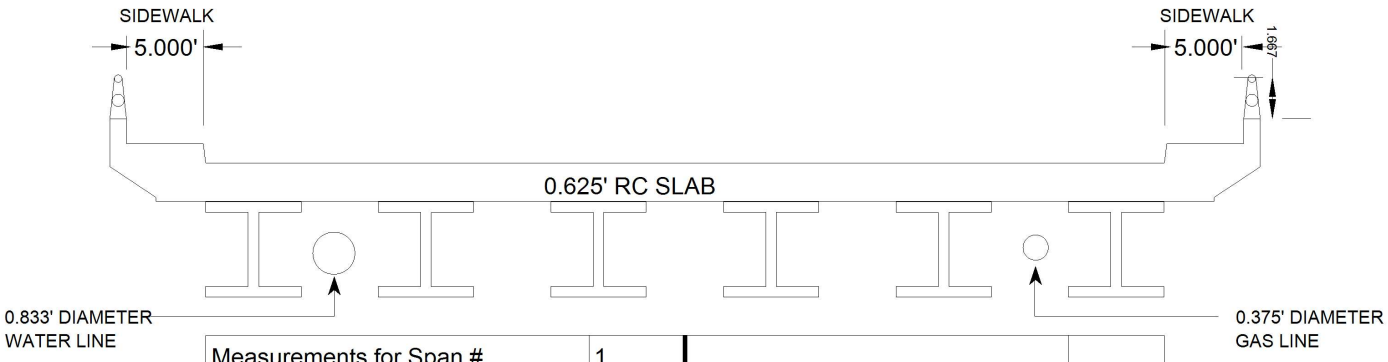
Title	**Description**		
APPROACH ROADWAY	LOOKING EAST		
Bridge No: 350126	**Drawn By:** DCR	**Date:** 9/4/08	**File Name:** S0146030620

Bridge Inspection Field Sketch

RAIL TYPE : 13

TYPICAL SECTION LOOKING EAST

Deck Width/Out to Out	40.458ft	Wearing Surface	
Between Rails	38.25ft	Median Width	
Curb Height	0.958ft	Median Height	
Top Rail to Deck/Wearing Surface	3.167ft	Left Guardrail Width	
Clear Roadway	28ft	Right Guardrail Width	
Left Bridge Rail	Type 13	Right Bridge Rail	Type 13



Measurements for Span #	1		
Deck Thickness	0.625	Left Overhang	2.729
Top of Rail to Bottom of Beam	7.667	Right Overhang	2.729

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	7.000 ft.	1.0' X 2.958' W/ 0.068 FLG. & 0.042 WEB
2	Steel I Beam	7.000 ft.	1.0' X 2.958' W/ 0.068 FLG. & 0.042 WEB
3	Steel I Beam	7.000 ft.	1.0' X 2.958' W/ 0.068 FLG. & 0.042 WEB
4	Steel I Beam	7.000 ft.	1.0' X 2.958' W/ 0.068 FLG. & 0.042 WEB
5	Steel I Beam	7.000 ft.	1.0' X 2.958' W/ 0.068 FLG. & 0.042 WEB
6	Steel I Beam		1.0' X 2.958' W/ 0.068 FLG. & 0.042 WEB

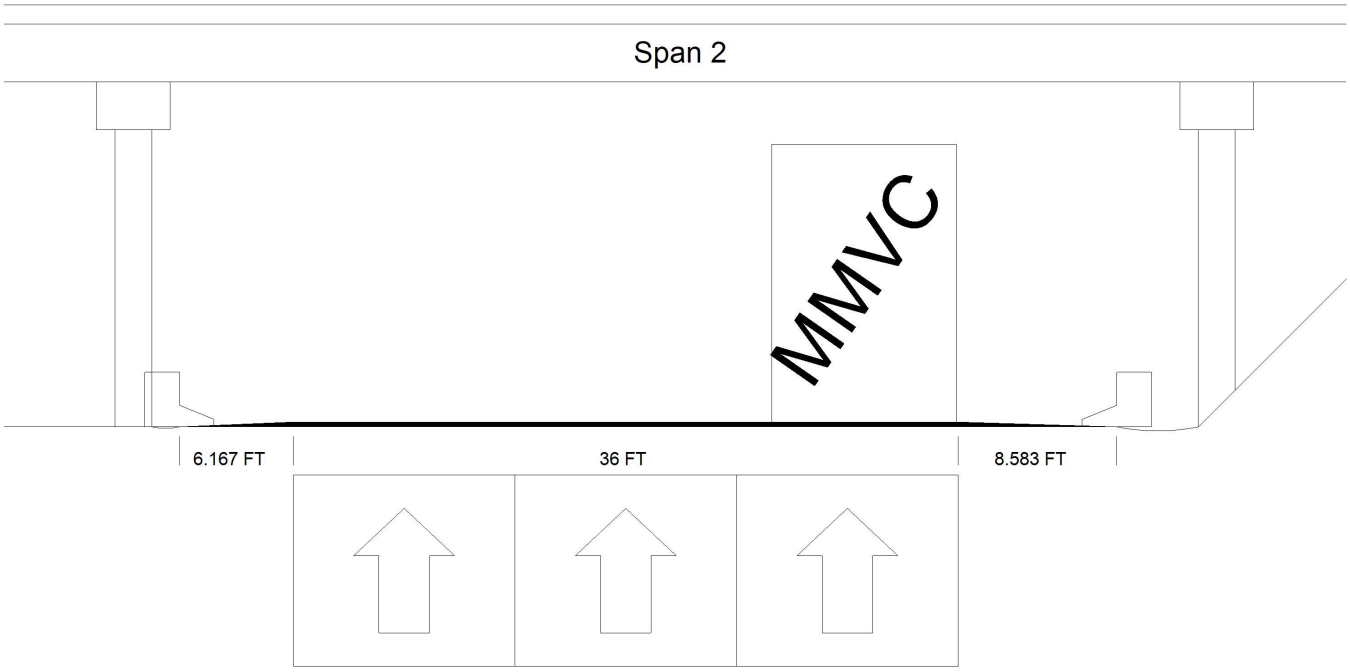
VERIFIED 9-6-2012 BY DELVIN ADAMS

Title
DECK DIMENSIONS

Description
SUPERSTRUCTURE

Bridge No: 350126 | **Drawn By:** DCR | **Date:** 9/4/08 | **File Name:** S0146030621

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	South
Distance to Left Rail	6.167FT	Distance to Right Rail	8.583FT
Distance to Left Toe of Slope		Distance to Left Bent	7.667FT
Distance to Right Toe of Slope	13FT	Distance to Right Bent	10.083FT
MMVC	16.417 Ft at Beam 1, 10 FT from RIGHT EDGE OF ROADWAY		
MVC	16.333 Ft at Beam 1, 0 FT from LEFT EDGE OF ROADWAY		

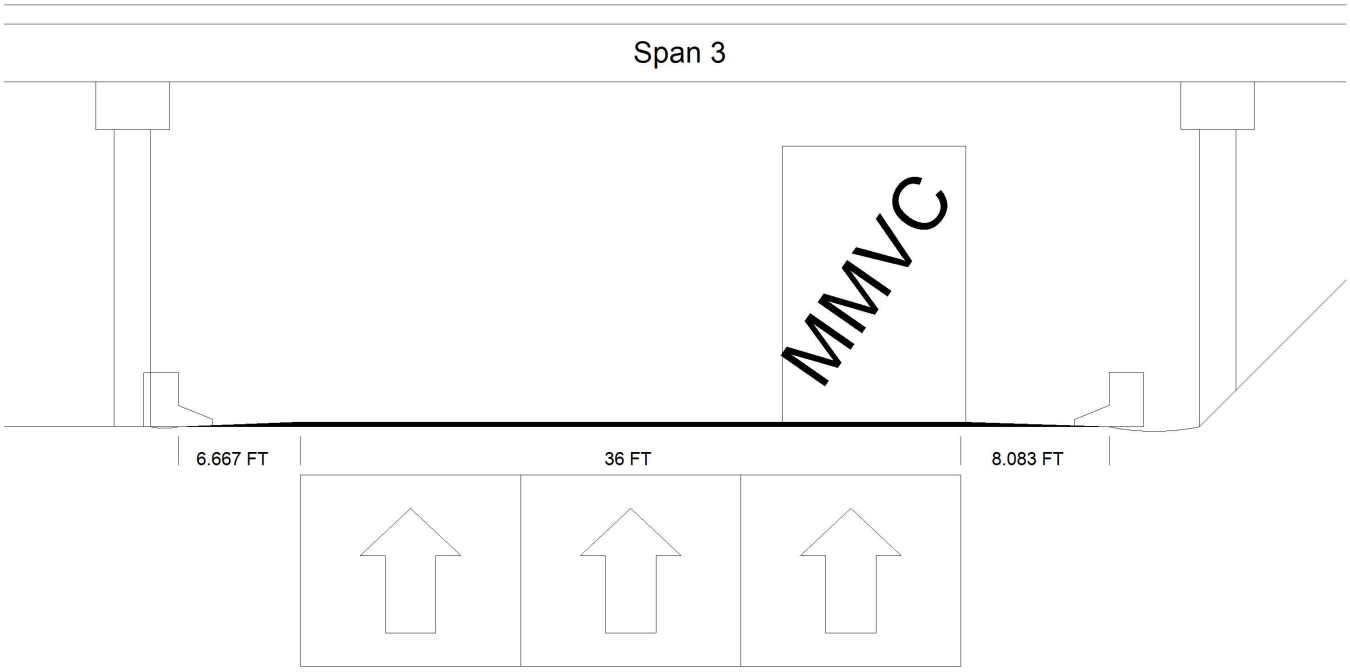
MILEPOST 18.5

VERIFIED 9-6-2012 BY DELVIN ADAMS

Title	**Description**
SPAN #2 OVER I-85 SB	SPAN #2 UNDERCLEARANCE

Bridge No: 350126	**Drawn By:** DCR	**Date:** 9/4/08	**File Name:** S0146030622

Bridge Inspection Field Sketch



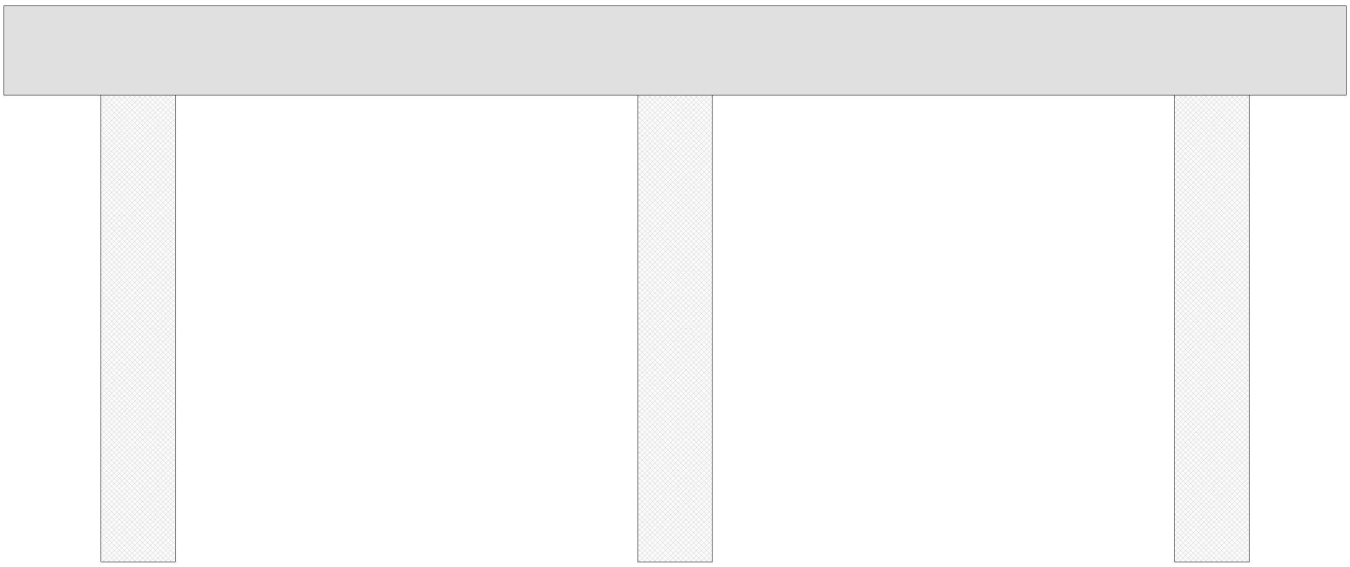
Roadway 1		Direction of Traffic	North
Distance to Left Rail	6.667FT	Distance to Right Rail	8.083FT
Distance to Left Toe of Slope		Distance to Left Bent	8.167FT
Distance to Right Toe of Slope	13FT	Distance to Right Bent	9.583FT
MMVC	16.25 Ft at Beam 1, 10 FT from RIGHT EDGE OF ROADWAY		
MVC	16.167 Ft at Beam 1, 0 FT from LEFT EDGE OF ROADWAY		

MILEPOST 18.5

VERIFIED 9-6-2012 BY DELVIN ADAMS

Title	**Description**		
SPAN #3 OVER I-85 NB	SPAN #3 UNDERCLEARANCE		
Bridge No: 350126	**Drawn By:** DCR	**Date:** 9/4/08	**File Name:** S0146030623

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.
45.000 ft.	3.000 ft.	3.000 ft.	4.500 ft.	4.500 ft.	1.833 ft.	1.833 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	18.000 ft.	2.500 ft.	3.000 ft.		Vertical	No	No	No	No
2	Concrete	18.000 ft.	2.500 ft.	3.000 ft.		Vertical	No	No	No	No
3	Concrete		2.500 ft.	3.000 ft.		Vertical	No	No	No	No

Bent/Abutment #: 1 Similar Bents: 2,3

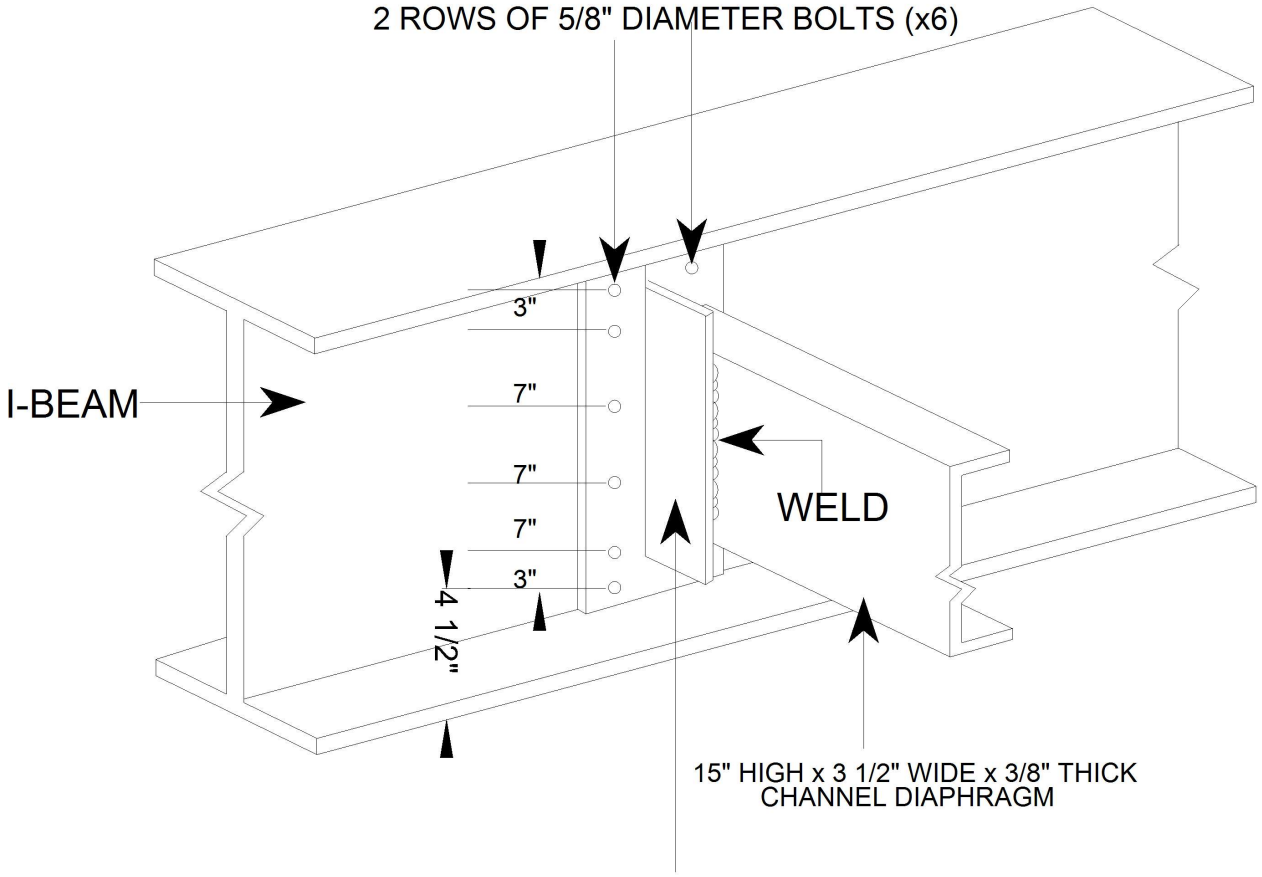
Title	**Description**
INTERIOR BENTS	SUBSTRUCTURE DETAILS

Bridge No: 350126	**Drawn By:** DELVIN ADAMS	**Date:** 9/6/2012	**File Name:** S0146031720

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS : 1/3 POINTS OF SPANS



30" HIGH x 7 3/4" WIDE x 9" DEEP (3/8" THICK) STEEL T-BRACKET WELDED TO WEB OF CHANNEL DIAPHRAGM AND BOLTED TO WEB OF BEAM

Title	**Description**		
INTERMEDIATE DIAPHRAGMS	DIAPHRAGM DETAILS		
Bridge No: 350126	**Drawn By:** DELVIN ADAMS	**Date:** 9/6/2012	**File Name:** S0146031721

LOOKING NORTH

BENT 3

BENT 1

LOOKING SOUTH

BENT 2

ABUT. 1

GAS UTILITY UNDER SPAN 5 PHONE INFOR.

GAS LINE UNDER BAY 5

UTILITY HANGER FOR GAS LINE

UTILITY UNDER BAY 1

UTILITY HANGER IN BAY 1

GUARDRAIL END FOR ALL FOUR CORNERS NORTHWEST SHOWN

WEST APPROACH

GUARDRAIL ATTACHED TO THE BRIDGE RAILS FOR ALL FOUR CORNERS (NORTHWEST SHOWN)

GUARDRAIL LOOKING WEST

GUARDRAIL LOOKING EAST

BRIDGE INFOR. PLATE FOR THE NORTHEAST AND SOUTHWEST CORNERS (NORTHEAST SHOWN)

EAST APPROACH

ABUT. 2