



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMP REPAIRS  
VERT CLR CHECKED

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GASTON BRIDGE NUMBER 350059 INSPECTION CYCLE 2 YRS 19.1  
ROUTE NC7 ACROSS I-85 M.P. 0

LOCATION 0.8 MI. W. JCT. NC279

SUPERSTRUCTURE REINFORCED CONCRETE DECK ON I-BEAMS

ABUT 1:RC CAP ON SPREAD FTG; ABUT 2:RC CAP ON H-PILES; BENTS:RCP&B

SUBSTRUCTURE

SPANS 1@88'0, 1@69'4, 1@75'0, 1@41'0

LONGITUDE 81° 9' 35.94"

LATITUDE 35° 16' 21.34"

INSPECTION DATE 10/08/2013

PRESENT CONDITION GOOD

PRESENT POSTING N NOT POSTED

PROPOSED POSTING

OTHER SIGNS PRESENT NONE



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>        </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>

## NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

Run Date: 12/12/2013

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	350059		SUFFICIENCY RATING =		90.88	
(8) STRUCTURE NUMBER(FEDERAL)		00000000710059		STATUS =	Functionally Obsolete		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31000070					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	71	(4) PLACE CODE	25580		CLASSIFICATION		CODE
(6) FEATURE INTERSECTED - I-85				(112)NBIS BRIDGE SYSTEM -			YES
(7) FACILITY CARRIED NC7				(104)HIGHWAY SYSTEM	Is on the NHS		1
(9) LOCATION 0.8 MI. W. JCT. NC279				(26) FUNCTIONAL CLASS -	Other Principal Arterial		14
(11)MILEPOINT		0		(100)STRAHNET HIGHWAY -	Not a STRAHNET Route		0
(16)LAT 35° 16' 21.34"	(17)LONG	81° 9' 35.94"		(101)PARALLEL STRUCTURE -	No Parallel Structure		N
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(102)DIRECTION OF TRAFFIC -	2-way Traffic		2
(99)BORDER BRIDGE STRUCTURE NO				(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
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE MAIN: Steel							
TYPE - Stringer Multibeam or Girder		CODE	302				
(44) STRUCTURE TYPE APPR :							
TYPE -		CODE	000		CONDITION		CODE
(45) NUMBER OF SPANS IN MAIN UNIT			4	(58) DECK			5
(46) NUMBER OF APPROACH SPANS				(59) SUPERSTRUCTURE			6
(107)DECK STRUCTURE TYPE - 1		CODE		(60) SUBSTRUCTURE			6
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION			N
(A) TYPE OF WEARING SURFACE -		CODE		(62) CULVERTS			N
(B) TYPE OF MEMBRANE -		CODE					
(C) TYPE OF DECK PROTECTION -		CODE			LOAD RATING AND POSTING		CODE
				(31) DESIGN LOAD	HS 20 + MOD		6
				(63) OPERATING RATING METHOD -	Load Factor		1
				(64) OPERATING RATING -	HS-36		65
				(65) INVENTORY RATING METHOD -	Load Factor		1
				(66) INVENTORY RATING -	HS-22		39
				(70) BRIDGE POSTING -	No Posting Required		5
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED			A
				DESCRIPTION -	Open, No Restriction		
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	4 UNDER STRUCTURE		0				
(29) AVERAGE DAILY TRAFFIC			14000				
(30) YEAR OF ADT	2012	(109) TRUCK ADT PCT	12%				
(19) BYPASS OR DETOUR LENGTH			1 MI				
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN			85 FT				
(49) STRUCTURE LENGTH			273 FT				
(50)CURB OR SIDEWALK: LEFT	5 FT RIGHT		5 FT				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			68 FT				
(52) DECK WIDTH OUT TO OUT			80.667 FT				
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			55 FT				
(33) BRIDGE MEDIAN - No Median		CODE	2				
(34) SKEW	16°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			68 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT				
(54) MIN VERT UNDERCLEAR REF Highway			17.417 FT				
(55) MIN LAT UNDERCLEAR RT REF Highway			8.417 FT				
(56) MIN LAT UNDERCLEAR LT REF -			6.417 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				
					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	28000	(115) YEAR FUTURE ADT	2025
					INSPECTIONS		
				(90) INSPECTION DATE			10/08/2013
				(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: 350059

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					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
1	I 85 S RAMP	17000850	18.00		1			11	1	36000	2012	34.83	H	17.42	8.42	6.42	9	1	1	1
2	I 85 N	11000850	18.67	19.10	1	10085		11	3	54000	2012	62.42	H	18.08	19.42	7.00	9	1	1	1
3	I 85 S	11000850	16.25	19.10	1	10085		11	4	54000	2012	61.00	H	15.67	19.00	6.00	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: 12/12/2013

COUNTY : DIVISION : DISTRICT: STRUCTURE NUMBER : LENGTH :  
 GASTON 12 1 350059 273 FEET

ROUTE CARRIED : FEATURE INTERSECTED :  
 NC7 I-85

LOCATED : BRIDGE NAME : CITY :  
 0.8 MI. W. JCT. NC279 GASTONIA

FUNC. CLASS : SYST.ON : SYST.UNDER : ADT & YR : RAIL TYPE :  
 14 FA NFA 14000 2012 LT 139 RT 139

BUILT : BY : PROJ : FED.AID PROJ : DESIGN LOAD :  
 1963 SHC 8.16361 HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : SKEW : LANES :  
 TAN 74 ON 4 UNDER 0

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

SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE : EBT.1:RC CAP/SPREAD FTGS; EBT.2:RC CAP/H-.PILES,INT.BT:RC P&B

SPANS : 1 @ 88', 1 @ 69'-4, 1 @ 75', 1 @ 41'

BEAMS OR GIRDERS : 12 LNS.@VAR.CTS,SP1:W36X230 I-BMS,#2:36 I-BMS,#3:27,30,36 I-BMS

FLOOR : ENCROACHMENT : DECK (OUT TO OUT) :  
 7.5 RC SLAB 12LN UTIL PIPES 80.667 FT

CLEAR ROADWAY : BETWEEN RAILS : SIDEWALK OR CURB :  
 68 FT 78 FT LT 5 FT RT 5 FT

VERT.CL.OVER :  
 999.9 FT

INV.RTG. : OPE.RTG. : CONTR.MEMBER : POSTED : DATE  
 HS-22 HS-36 IntBmA3 SV TTST

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

## UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
1	I 85 S RAMP	18	17.4170	34.8340	6.4170	8.4170
2	I 85 N	18.6670	18.0830	62.4170	7	19.4170
3	I 85 S	16.25	15.6670	61	6	19

Note: All measurements are in feet.

REMARKS :

# BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection  
 BRIDGE NO. 350059 COUNTY GASTON ROUTE NC7 OVER I-85  
 STRUCTURE TYPE REINFORCED CONCRETE DECK ON I-BEAMS  
 ROUTE ORIENTATION W - E SPANS 1@88'0, 1@69'4, 1@75'0, 1@41'0

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

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES	45. CHANNEL & CHANNEL PROT.			
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		G	50. APPROACH ROADWAY CONDITION			F
	b. TIMBER			51. APPROACH SLABS			
	c. ALUMINUM		G	52. PAINT SYSTEM CODE I			G
	d. STEEL			53. UTILITIES			G
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS							
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)							
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			54. RESPONSE TO LIVE LOAD			G
	b. MISC PREFAB			55. ESTIMATED REMAINING LIFE			19
	c. COMPRESSION SEAL			60. REGULATORY SIGN NOTICE ISSUED			NO
	d. STANDARD JOINTS	5	F	61. PROMPT-ACTION NOTICE ISSUED			NO
	e. OPEN JOINTS			62. PRESENTLY POSTED			NO
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)							
				70. SI&A GENERAL CONDITION RATINGS			
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59				a. DECK ITEM 58			5
10. LONGITUDINAL BEAMS OR GIRDERS				b. SUPERSTRUCTURE ITEM 59			6
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE ITEM 60			6
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT. ITEM 61			
13. END DIAP'S, CURTAIN WALLS, & CONN'S							
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			8
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING			SNOOPER (CODE S, 4, OR N)		HRS	NO
	c. BULKHEADS, WING'S, & TIE BACKS			LADDER			NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		F	BUCKET TRUCK			NO
	b. ABUT. & BENT COL'S BREASTWALLS		G	BOAT			NO
	c. ABUT. & INT. BENT PILES			OTHER			NO
	d. BACKWALLS, WING'S, RETAIN. WALLS		G				
	e. ABUT. & BENT FOOTINGS & SILLS		G				
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INSPECTION REQUESTED FOR			
	b. PILES, BRACING, AND BULKHEADS		G				
38. FOUNDATION PILES TYPE MATERIAL				G			NOTE
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)				G			
40. FENDER SYSTEMS							
41. DRIFT							
				80. INSPECTED BY:		J.H. R.L.	
				81. REVIEWED BY:			

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		<h1>FIELD INSPECTION REPORT</h1> <p><u>Bridge Inspection &amp; Analysis</u></p>	
Team Leader DEREK RICKUS			
Assisted By EAP			
Item No.	Grade		
2a	F	TEMP REPAIRS TO CONCRETE DECK, SCATTERED THROUGHOUT ALL SPANS AND ALL LANES. PATCHES UP TO APPROX 64SF IN SIZE.  TYP SPALLING IN DECK, UP TO 1SF AREAS, SCATTERED, WITH SOME RESTEEL EXPOSED.  SPALLING WITH RESTEEL EXPOSED, -L- RT, INSIDE LANE, SPAN 2. APPROX 1SF AREA.	
4	F	CURB AT THE NE APPROACH HAS A 2 FT LONG AREA CRACKED AND BROKEN DUE TO COLLISION DAMAGE.	
6d	F	JOINT SEAL AT EA CRACKED WITH SECTIONS MISSING. APPROX 10' OF LOSS. REMAINING 10' IS LOOSE.	
10	G	BEAMS PAINTED SINCE LAST INSPECTION.	
10A	NO	NO CURVED GIRDERS	
36a	F	CRACKING IN RC CAP, BENT 1, BAY 1, APPROX 8'L, 1/4"W.  CRACKING IN RC CAP, BENT 1, BAY 10, APPROX 6'L X 1/4"W  CRACKING IN ABUT 2 CAP UNDER BEAMS 1-2. APPROX 12'L X 1/4"W.  CRACKING IN BENT 3, BOTTOM SIDE OF CAP BETWEEN PILES 1-2, APPROX 8'L X 1/4"W.  CRACKING IN ABUT 2 CAP UNDER BEAMS 10-11. APPROX 10'L X 1/4"W.  CRACKING IN BENT 3 CAP UNDER BEAMS 10-11. APPROX 8'L X 1/4"W.	
36b	G	THE WEST FACE OF BT. 2 CAP UNDER BEAM. 11 HAS 3' LONG X 8" HIGH SPALL IN PROGRESS.  BENT 2, COLUMN 5 HAS A 14 INCH HIGH X 6 INCH WIDE X 1 INCH DEEP SPALL ON THE SW CORNER ADJACENT TO THE MEDIAN BARRIER.	
36e	G	NOT VISIBLE, BUT NO SETTLEMENT EVIDENT.	
37b	G	ABUTMENT 2 STEEL FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.	

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		
38	G	NOT VISIBLE, BUT NO SETTLEMENT EVIDENT.	
50	F	WEST APPROACH ROADWAY CRACKED AND SUNKEN UP TO 1", 20'W X 5'L	

## BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 350059

County GASTON

Date: 10/08/2013

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	10	WEST APPROACH ROADWAY CRACKED AND SUNKEN UP TO 1", 20'W X 5'L	
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	20	JOINT SEAL CRACKED WITH SECTIONS MISSING. APPROX 10' OF LOSS. REMAINING 10' IS LOOSE.	
3326	Maintain Concrete Deck	SF	20	TYP SPALLING IN DECK, UP TO 1SF AREAS, SCATTERED, WITH SOME RESTEEL EXPOSED.	
3348	Maintain Concrete Substructure Components	LF	8	CRACKING IN BENT 3, BOTTOM SIDE OF CAP BETWEEN PILES 1-2, APPROX 8'L X 1/4"W.	
3348	Maintain Concrete Substructure Components	LF	12	CRACKING IN ABUT 2 CAP UNDER BEAMS 1-2. APPROX 12'L X 1/4"W.	

### Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined





CRACKING IN RC CAP, BENT 1, BAY 1, APPROX 8'L X 1/4"W.



CRACKING IN RC CAP, BENT 1, BAY 10, APPROX 6'L X 1/4"W



WEST APPROACH ROADWAY CRACKED AND SUNKEN UP TO 1", 20'W X 5'L



TEMP REPAIRS TO CONCRETE DECK, SCATTERED THROUGHOUT ALL SPANS AND ALL LANES. PATCHES UP TO APPROX 64SF IN SIZE.





TYP SPALLING IN DECK, UP TO 1SF AREAS, SCATTERED, WITH SOME RESTEEL EXPOSED.



SPALLING WITH RESTEEL EXPOSED, -L- RT, INSIDE LANE, SPAN 2. APPROX 1SF AREA.





JOINT SEAL AT EAST APPROACH CRACKED WITH SECTIONS MISSING. APPROX 10' OF LOSS. REMAINING 10' IS LOOSE.



CRACKING IN ABUT 2 CAP UNDER BEAMS 1-2. APPROX 12'L X 1/4"W.



CRACKING IN BENT 3, BOTTOM SIDE OF CAP BETWEEN PILES 1-2, APPROX 8'L X 1/4"W.



CRACKING IN ABUT 2 CAP UNDER BEAMS 10-11. APPROX 10'L X 1/4"W.



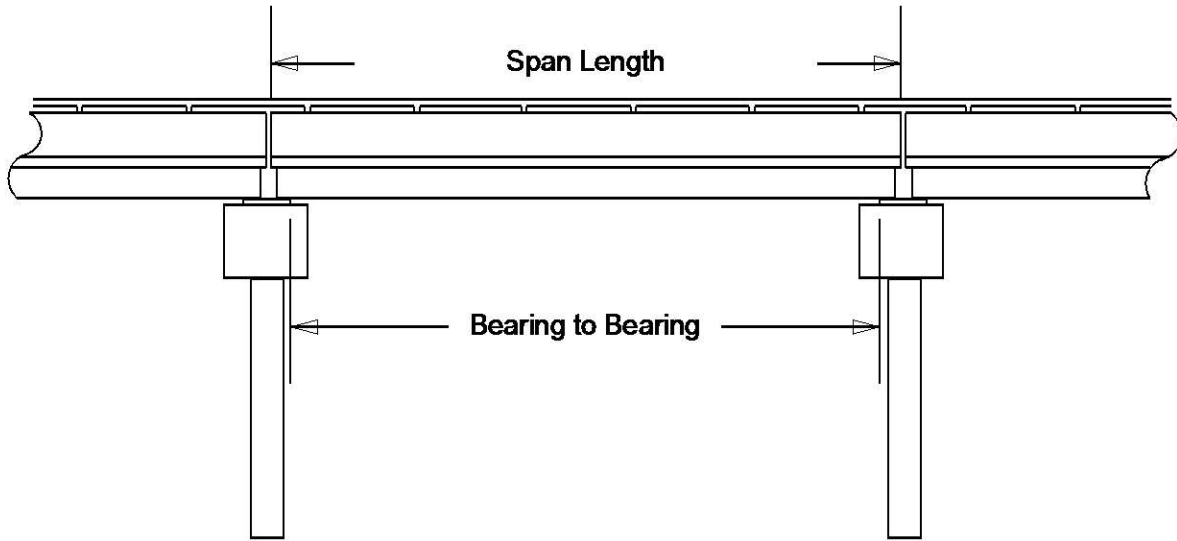


CRACKING IN BENT 3 CAP UNDER BEAMS 10-11. APPROX 8'L X 1/4"W.

# Structure Data Worksheet

Spans

County: GASTON      Structure No: 350059      Date: 10/08/2013      Inspected By: DCR



Span No	Span Length	Bearing to Bearing	Comments
1	41'	38.167	
2	75'	73.333	
3	69.333'	67.667	
4	88'	85.167	NBIS=269.333'

# Bridge Inspection Field Sketch



Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	West Bound
Left Shoulder	7.5ft Wide	5ft Paved	2.5ft Unpaved
Right Guardrail			
Left Guardrail			
Median	16.5ft Wide	0.5ft High	
Right Lanes			
Roadway	28.5ft Wide	3 Paved Lanes	East Bound
Left Shoulder	7ft Wide	2ft Paved	5ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED BY DEREK RICKUS ON 10-8-2013

**Title**  
APPROACH

**Description**  
LOOKING EAST

Bridge No: 350059

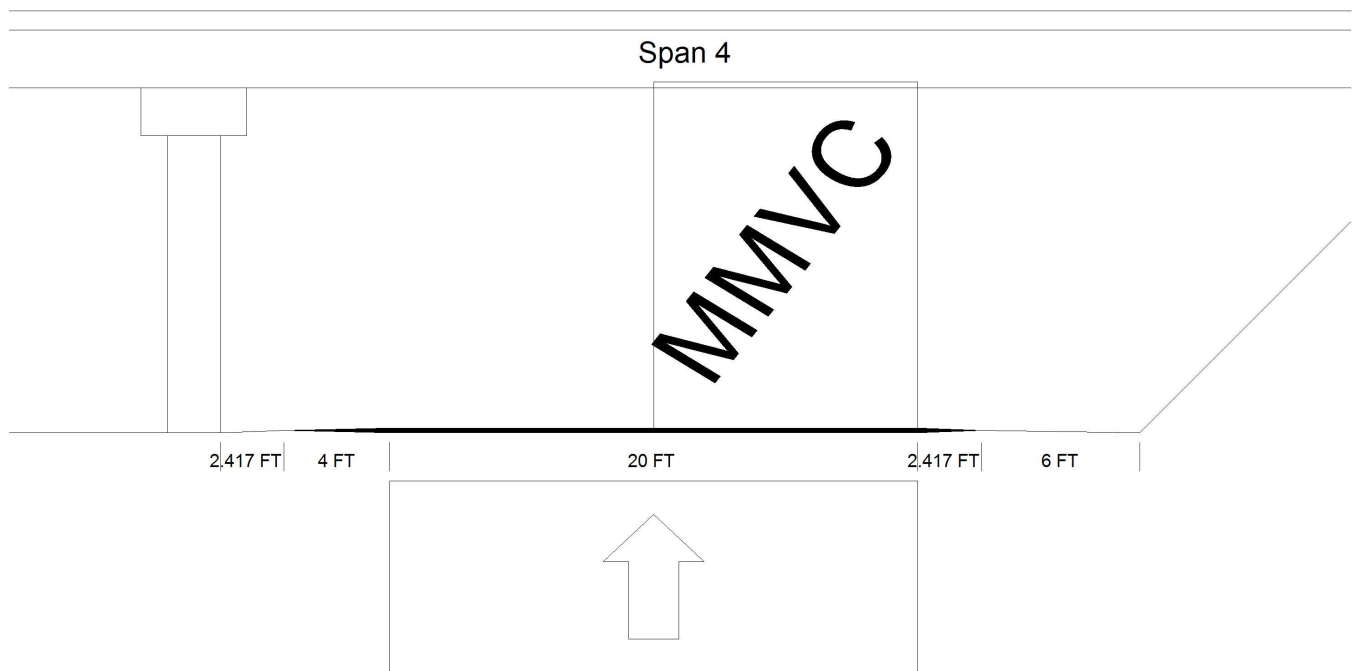
Drawn By: DCR

Date: 10/4/2007

File Name: S0142001491



# Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope		Distance to Left Bent	6.417FT
Distance to Right Toe of Slope	8.417FT	Distance to Right Bent	
MMVC	18 Ft at Beam 1, 10 FT from FROM RT. EDGE OF RDWY		
MVC	17.417 Ft at Beam 1, 0.1 FT from LT. EDGE OF RDWY		

VERIFIED BY DEREK RICKUS ON 10-8-2013

**Title**  
RAMP LANE

**Description**  
VETICAL CLEARANCE DETAILS

**Bridge No:** 350059

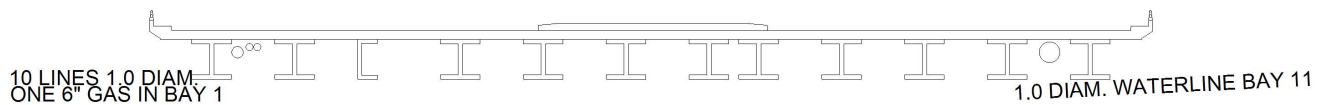
**Drawn By:** DCR

**Date:** 10/5/2007

**File Name:** S0142001493

# Bridge Inspection Field Sketch

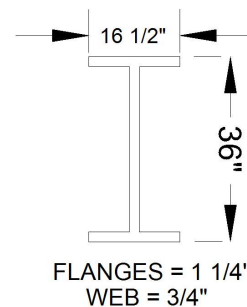
Deck Width/Out to Out	80.667ft	Between Rails	78ft
Clear Roadway	68ft	Wearing Surface	
Median Width	16.25ft	Median Height	0.5ft
Curb Height		Left	1ft
Sidewalk Width		Left	5ft
Clear Roadway (Rail to Median)		Left	26ft
Guardrail Width		Left	1.104ft
Top of Rail to Deck/Wearing Surface		Left	4.167ft
Bridge Rail		Left	Type 13



Measurements for Span #	4		
Deck Thickness	0.625	Left Overhang	5
Top of Rail to Bottom of Beam	7.167	Right Overhang	5

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	6.667ft	
2	Steel I Beam	6.667ft	
3	Steel Channel	6.667ft	
4	Steel I Beam	6.667ft	
5	Steel I Beam	6.667ft	
6	Steel I Beam	6.667ft	
7	Steel I Beam	4.0ft	
8	Steel I Beam	6.667ft	
9	Steel I Beam	6.667ft	
10	Steel I Beam	6.667ft	
11	Steel I Beam	6.667ft	
12	Steel I Beam		

## BEAMS (NON-TAPERED FLANGES)



VERIFIED BY DEREK RICKUS ON 10-8-2013

**Title**  
DECK SECTION

**Description**  
TOP AND BOTTOM DETAILS

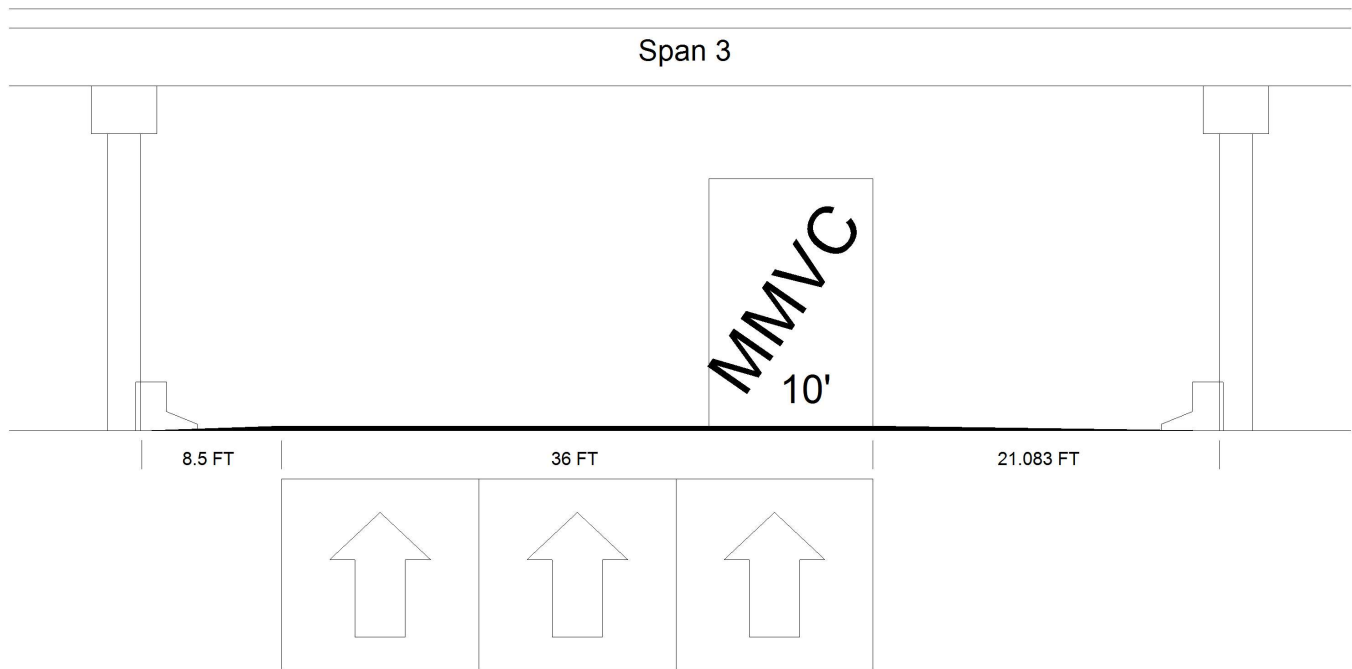
Bridge No: 350059

Drawn By: DCR

Date: 10/4/2007

File Name: S0142001492

# Bridge Inspection Field Sketch

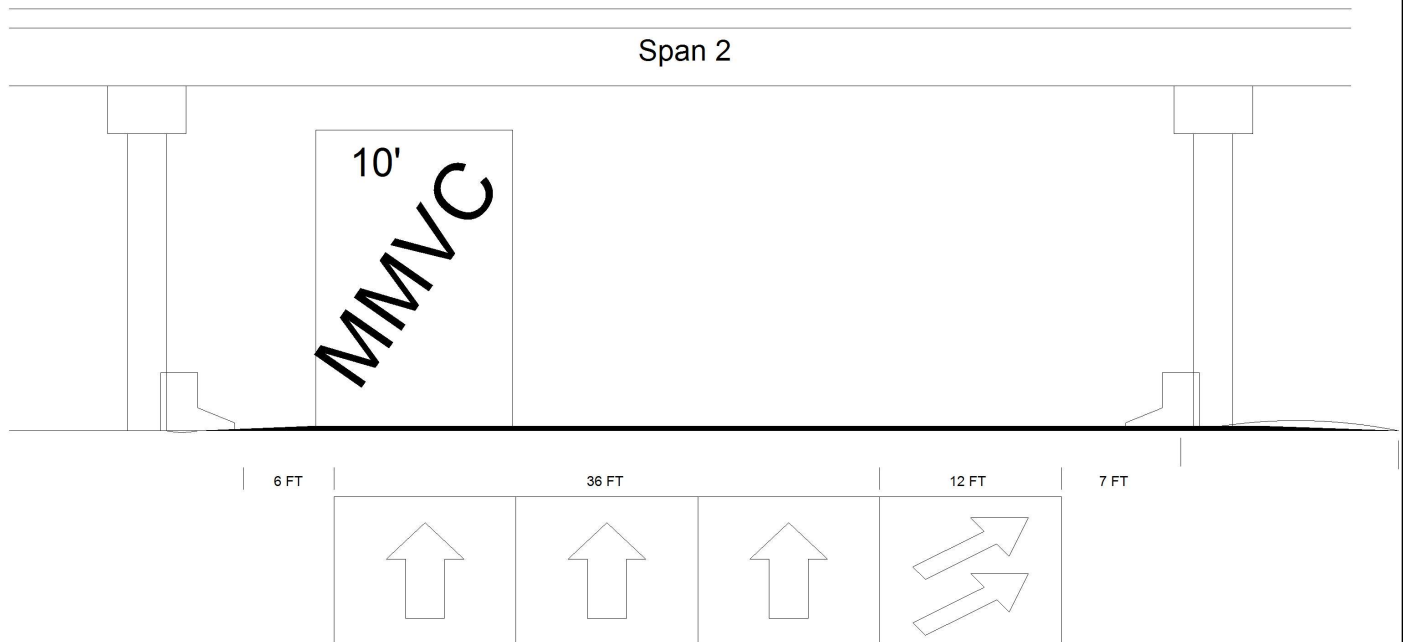


Roadway 1		Direction of Traffic	North
Distance to Left Rail	7FT	Distance to Right Rail	19.417FT
Distance to Left Toe of Slope		Distance to Left Bent	8.583FT
Distance to Right Toe of Slope		Distance to Right Bent	21.083FT
MMVC	18.667 Ft at Beam 1, 10 FT from FROM RT. EDGE OF RT. LANE		
MVC	18.083 Ft at Beam 1, 1 FT from FROM LT. EDGE OF THE LT. LANE		

VERIFIED BY DEREK RICKUS ON 10-8-2013

<b>Title</b> NORTH BOUND LANE		<b>Description</b> VERTICAL CLEARANCE DETAILS	
<b>Bridge No:</b> 350059	<b>Drawn By:</b> DCR	<b>Date:</b> 10/5/2007	<b>File Name:</b> S0142001494

# Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	South
Distance to Left Rail	6FT	Distance to Right Rail	7FT
Distance to Left Toe of Slope		Distance to Left Bent	7.583FT
Distance to Right Toe of Slope		Distance to Right Bent	8.583FT
MMVC	16.25 Ft at Beam 1, 10 FT from FROM LT. EDGE OF THE LT. LANE (LOOKING SOUTH)		
MVC	15.667 Ft at Beam 1, 1 FT from FROM RT. EDGE OF THE RAMP LANE		

VERIFIED BY DEREK RICKUS ON 10-8-2013

## Title

SOUTH BOUND LANE

## Description

VERTICAL CLREARANCE DETAILS

Bridge No: 350059

Drawn By: DCR

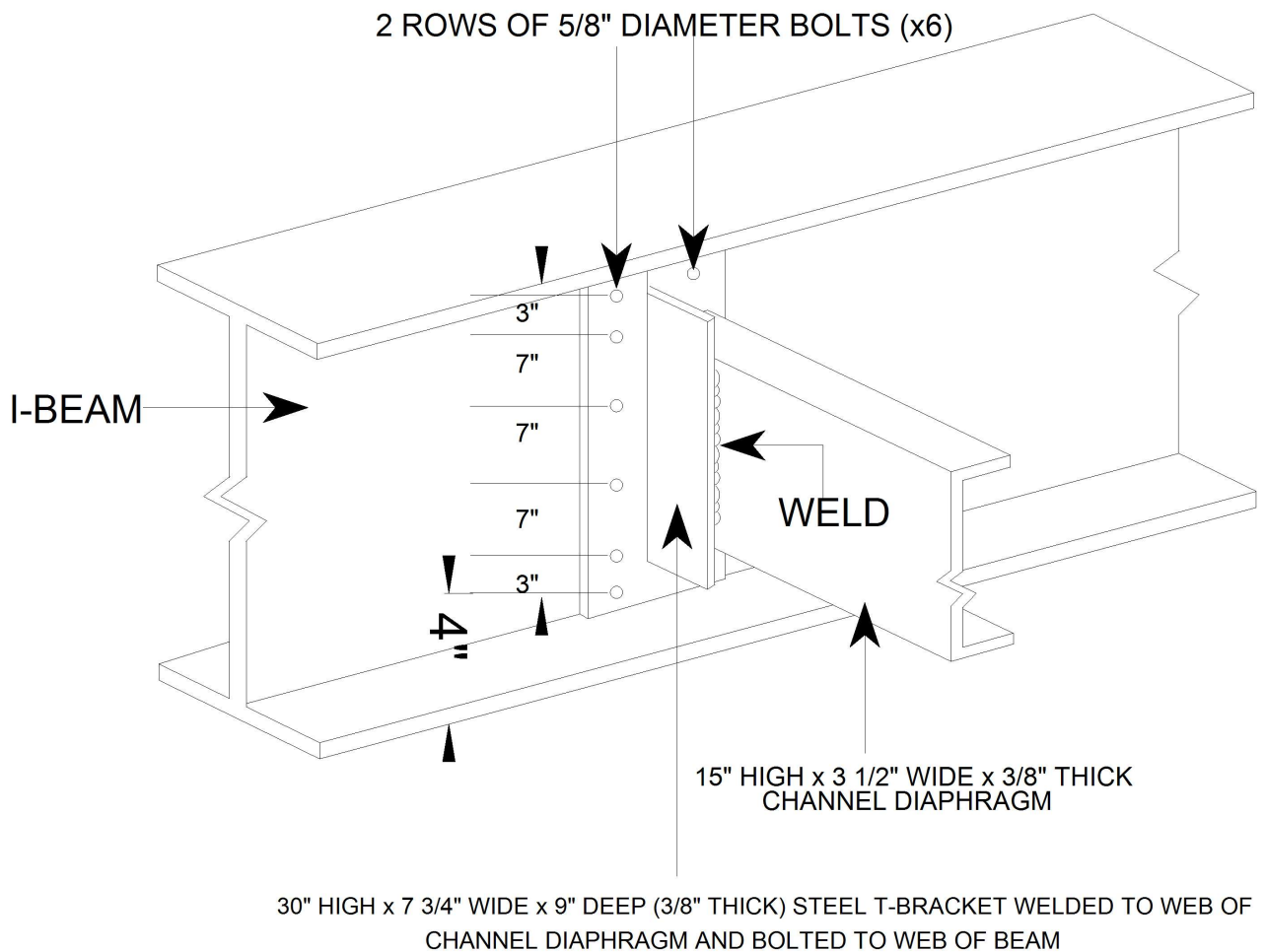
Date: 10/5/2007

File Name: S0142001495

# Bridge Inspection Field Sketch

## DIAPHRAGM DETAILS

LOCATIONS : 1/4 POINTS OF SPANS



VERIFIED BY DEREK RICKUS ON 10-8-2013

Title		Description	
INTERMEDIATE DIAPHRAGMS		DIAPHRAGM DETAILS	
Bridge No:	350059	Drawn By:	DELVIN ADAMS
		Date:	10/25/2011
		File Name:	S0146031589

Bridge Inspection Field Sketch										
<div style="position: absolute; top: 10px; left: 10px; width: 100%; height: 20px; background-color: #cccccc;"></div> <div style="position: absolute; top: 110px; left: 10px; width: 20px; height: 250px; background-color: #cccccc;"></div> <div style="position: absolute; top: 110px; left: 280px; width: 20px; height: 250px; background-color: #cccccc;"></div> <div style="position: absolute; top: 110px; left: 480px; width: 20px; height: 250px; background-color: #cccccc;"></div> <div style="position: absolute; top: 110px; left: 680px; width: 20px; height: 250px; background-color: #cccccc;"></div> <div style="position: absolute; top: 110px; left: 880px; width: 20px; height: 250px; background-color: #cccccc;"></div>										
Cap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
78.000 ft.	3.000 ft.	3.500 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	17.0 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
2	Concrete	17.0 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
3	Concrete	17.0 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
4	Concrete	17.0 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
5	Concrete		2.5 ft.	3 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1      Similar Bents: 2 AND 3										
Title						Description				
BENT						DETAILS				
Bridge No: 350059			Drawn By: DEREK RICKUS			Date: 10/8/2013		File Name: S0142002135		





CRASH BARRIER, EBL, EXIT 19



LOOKING EAST



BENT 1



GANGED CONDUITS HANGING FROM STEEL SUPPORTS, BAY 1





ABUTMENT 1



12" DIP HANGING FROM STEEL SUPPORTS, BAY 10



WEST APPROACH



DATA PLATE, SW CORNER





EAST APPROACH



ABUTMENT 2



BENT 3



BENT 2





LOOKING WEST