



NC DEPARTMENT OF TRANSPORTATION ATTENTION:
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

Structure Safety Report

4 Year Underwater Element Inspection

COUNTY: WAKE STRUCTURE NUMBER: 911021 FREQUENCY: 48 MONTHS

FACILITY CARRIED: US401 NBL MILE POST: _____

LOCATION: 0.2 MI. S. SR2224

FEATURE INTERSECTED: NEUSE RIVER

LATITUDE: 35° 53' 2.81" LONGITUDE: 78° 31' 40.54"

SUPERSTRUCTURE: RC. FL. ON CONTINUOUS PPC. GDRS.

SUBSTRUCTURE: E.BTS:RC.CAPS/STL.PILES;BTS:RC.DRILLED SHFT. PIERS

SPANS: 2@91'55/64", 2@57' 27/64" CONT.

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

PRESENT CONDITION: Good INSPECTION DATE: 03/14/2017

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



LOOKING NORTH

Sign noticed issued for		Number Required
<u>NO</u>	WEIGHT LIMIT	<u>0</u>
<u>NO</u>	DELINEATORS	<u>0</u>
<u>NO</u>	NARROW BRIDGE	<u>0</u>
<u>NO</u>	ONE LANE BRIDGE	<u>0</u>
<u>NO</u>	LOW CLEARANCE	<u>0</u>

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS YES

INSPECTED BY Brad Cleaver	SIGNATURE 	ASSISTED BY jcb
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Structure Element Scoring

Structure Number: **911021**

Inspection Date **3/14/2017**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	14064	12984	1080	0	0
109	0	Prestressed Concrete Open Girder/Beam	Beam	1480	1480	0	0	0
205	0	Reinforced Concrete Column	Piles and Columns	9	9	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	152	152	0	0	0
233	0	Prestressed Concrete Pier Cap	Caps	54	54	0	0	0
521	233	Concrete Protective Coating	Caps	638	638	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	192	192	0	0	0
521	234	Concrete Protective Coating	Caps	1405	1405	0	0	0
301	0	Pourable Joint Seal	Expansion Joints	135	119	16	0	0
310	0	Elastomeric Bearing	Bearing Device	45	45	0	0	0
515	310	Steel Protective Coating	Bearing Device	40	40	0	0	0
321	0	Reinforced Concrete Approach Slabs	Approaches	1080	1066	14	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	300	282	18	0	0
333	0	Other Bridge Railing	Bridge Rail	300	300	0	0	0

Element Structure Maintenance Quantities

Structure Number: **911021**

Inspection Date **03/14/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	152	0	0	0	152
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	14	1080	0	0	14	1066
Beam	3306	Maintenance Concrete Superstructure Components	0	1480	0	0	0	1480
Bearing Device	3334	Bridge Bearing	0	45	0	0	0	45
Bearing Device	3342	Clean and Paint Steel	0	40	0	0	0	40
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	18	600	0	0	18	582
Caps	3348	Maintenance of Concrete Substructure	0	246	0	0	0	246
Caps	5603	Partial Cleaning and Painting of Structural Steel	0	2043	0	0	0	2043
Deck	3326	Maintenance of Concrete Deck	1080	14064	0	0	1080	12984
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	16	135	0	0	16	119
Piles and Columns	3348	Maintenance of Concrete Substructure	0	9	0	0	0	9

Element Condition and Maintenance Data

Structure Number: 911021

Inspection Date: 03/14/2017

Span 1 Deck Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	4,327	4,027	300	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

300 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. transverse cracking

Span 1 Left Bridge Rail Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	92	83	9	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

9 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. vertical cracking

Span 2 Deck Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	4,327	3,947	380	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

380 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. transverse cracking

Span 2 Left Bridge Rail Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	92	85	7	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

7 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. vertical cracking

Span 3 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,705	2,505	200	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

200 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. transverse cracking

Span 3 Left Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	58	56	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

2 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. vertical cracking

Span 4 Expansion Joint
Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	45	29	16	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

8 Feet of Adjacent Deck or Header: Edge delamination or spall 1 in. or less deep or 6 in. or less in diameter. No exposed rebar. Patched area that is sound.
 multiple edge spalls up to 12" x 2" x 0.5"
 8 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. adhesion loss at the edge spalls

Span 4 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,705	2,505	200	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

200 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. transverse cracking

Approach 1 Reinforced Concrete Approach Slab 1

Reinforced Concrete Approach Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforced Concrete Approach Slabs	540	532	8	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

8 Square Feet of Cracking: Width 0.012–0.05 in. or spacing of 1.0–3.0 ft. longitudinal cracking

Approach 2 Reinforced Concrete Approach Slab 2

Reinforced Concrete Approach Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforced Concrete Approach Slabs	540	534	6	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

6 Square Feet of Cracking: Width 0.012–0.05 in. or spacing of 1.0–3.0 ft. longitudinal cracking

Elements Verified

Location	Name	Component	Element Name	Amount
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 4

Left Bridge Rail

0 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
vertical cracking

National Bridge and NC Inspection Items

Structure Number: 911021

Inspection Date: 03/14/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	N
Item 59: Superstructure	0 - 9 , N	N
Item 60: Substructure	0 - 9 , N	7
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	8
Item 72: Approach Roadway Alignment	0 - 9 , N	N

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C			
Drainage System	G, F, P, or C		0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C			
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C			
Estimated Remaining Life	0 - 100 Years			
Superstructure Paint Code				

Note: If NC SMU Inspection Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	N
Inspection Time	Hours	12
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 911021

Inspection Date: 03/14/2017

Item	Substructure - Item 60	Grade	7	Maint Code		Qty.	0
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Details Typical surface rust and scale on steel casings.

Item	Other Equipment Used	Grade	Y	Maint Code		Qty.	0
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Details Drysuit



TYPICAL SURFACE RUST AND SCALE ON STEEL CASINGS



BENT 2 SPAN 2



LOOKING NORTH



LOOKING EAST



LOOKING WEST



LOOKING SOUTH

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

Run Date: 08/16/2017

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **911021**
 (8) STRUCTURE NUMBER(FEDERAL) 000000001831021
 (5) INVENTORY ROUTE (ON/UNDER) - ON 21004010
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 1
 (3) COUNTY CODE 183 (4) PLACE CODE 55000
 (6) FEATURE INTERSECTED - NEUSE RIVER
 (7) FACILITY CARRIED US401 NBL
 (9) LOCATION 0.2 MI. S. SR2224
 (11)MILEPOINT 0
 (16)LAT 35° 53' 2.81" (17)LONG 78° 31' 40.54"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 78.68
 STATUS = Functionally Obsolete

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is on the NHS 1
 (26) FUNCTIONAL CLASS - Other Principal Arterial 14
 (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

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Prestressed Concrete Continuous
 TYPE - Stringer Multibeam or Girder CODE 602
 (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

CONDITION CODE

(58) DECK 6
 (59) SUPERSTRUCTURE 7
 (60) SUBSTRUCTURE 7
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD HS 20 + MOD 6
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-48 86
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-26 46
 (70) BRIDGE POSTING - No Posting Required 5
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
 DESCRIPTION - Open, No Restriction

AGE AND SERVICE

(27) YEAR BUILT 2000
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Waterway CODE 15
 (28) LANES: ON STRUCTURE 3 UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 24000
 (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT 12%
 (19) BYPASS OR DETOUR LENGTH 1 MI

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 7
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 1111
 (113)SCOUR CRITICAL BRIDGES 8

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 89 FT
 (49) STRUCTURE LENGTH 299 FT
 (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 4.83 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 39.5 FT
 (52) DECK WIDTH OUT TO OUT 47.25 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 41 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 39.5 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
 (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
 (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
 (56) MIN LAT UNDERCLEAR LT REF - 000 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 48000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 07/19/2017
 (92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - YES 48Mo B) 03/14/2017
 C) OTHER SPECIAL INSP NO C)
 SCOUR

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
 (111)PIER PROTECTION - CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
 (40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 08/16/2017

COUNTY : WAKE DIVISION : 5 DISTRICT : 1 STRUCTURE NUMBER : 911021 LENGTH : 299 FEET

ROUTE CARRIED : US401 NBL FEATURE INTERSECTED : NEUSE RIVER

LOCATED : 0.2 MI. S. SR2224 BRIDGE NAME : CITY : RALEIGH

FUNC. CLASS : 14 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 24000 2015 RAIL TYPE : LT 639 RT 41

BUILT : 2000 BY : DOH PROJ : 8.1402104 FED.AID PROJ : STP-401(5) DESIGN LOAD : HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : TAN SKEW : 90 LANES : ON 3 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 31 FT WATER DEPTH : 4 FT

SUPERSTRUCTURE : RC. FL. ON CONTINUOUS PPC. GDRS; SIP FORMS

SUBSTRUCTURE : E.BTS:RC.CAPS/STL.PILES;BTS:RC.DRILLED SHFT. PIERS

SPANS : 1@91'-1", 1@91'-7",1@57'-9",1@57'-3" CONT.

BEAMS OR GIRDERS : SPNS.1&2 5LNS. 54IN;SPNS.3&4 5LNS. 45IN CONT. PPC.GDRS.

FLOOR : 8.4 RC/NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 47.25 FT

CLEAR ROADWAY : 39.5 FT BETWEEN RAILS : 44.33 FT SIDEWALK OR CURB : LT 0 FT RT 4.83 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-26 OPE.RTG. : HS-48 CONTR.MEMBER : PS I-Gir C POSTED : SV TTST DATE

SYSTEM : Primary U.S. Route GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

REMARKS :

Bridge Inspection Field Sketch



MEASUREMENTS TAKEN 40 FEET SOUTH OF BRIDGE LOOKING NORTH

Roadway	36ft Wide	3 Paved Lanes	Looking North
Left Shoulder	2.5ft Wide	2.5ft Paved	
Right Shoulder	8ft Wide	2.5ft Paved	5.5ft Unpaved
Left Guardrail	2.5ft from road		
Right Guardrail	8ft from road		

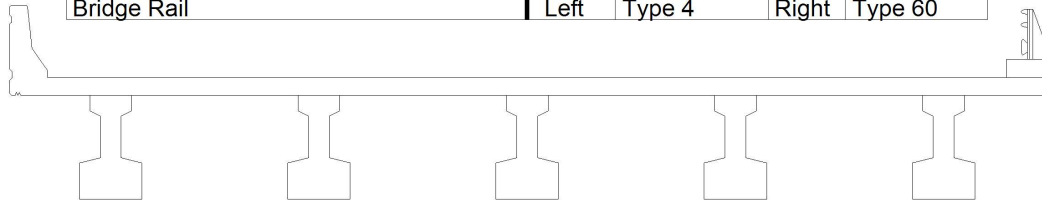
MODIFIED RIGHT GUARDRAIL, ADDED LEFT GUARDRAIL

MODIFIED BY B.TYSON 7/19/17

Title APPROACH ROADWAY		Description APPROACH NBL	
Bridge No: 911021	Drawn By: TFM	Date: 7/7/2009	File Name: S0006002805

Bridge Inspection Field Sketch

Deck Width/Out to Out	47.25ft	Between Rails	44.33ft
Clear Roadway	39.5ft	Wearing Surface	
Median Width		Median Height	
Curb Height		Left	Right 0.5ft
Sidewalk Width		Left	Right 4.83ft
Clear Roadway (Rail to Median)		Left	Right
Guardrail Width		Left 1.42ft	Right 1.33ft
Top of Rail to Deck/Wearing Surface		Left 2.67ft	Right 3.5ft
Bridge Rail		Left Type 4	Right Type 60



Measurements for Span #	1		
Deck Thickness	0.7	Left Overhang	3.25
Top of Rail to Bottom of Beam	8.5 (LT)	Right Overhang	3.16

Beam Number	Beam Type	Spacing	Comments
1	PPC Girder	10.21ft	TYPE 4 GIRDERS
2	PPC Girder	10.21ft	TYPE 4 GIRDERS
3	PPC Girder	10.21ft	TYPE 4 GIRDERS
4	PPC Girder	10.21ft	TYPE 4 GIRDERS
5	PPC Girder	ft	TYPE 4 GIRDERS

Top of Rail to Bottom of Beam = 10.041 (RT)

NO CURVED GIRDERS

E BTS: RC CAPS/STL.PILES

SPANS 1 AND 2

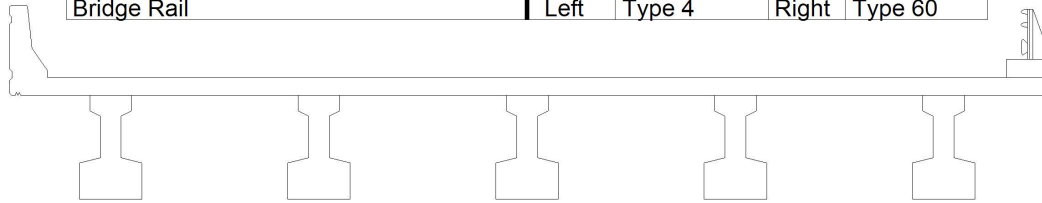
MODIFIED OUT TO OUT, BETWEEN RAILS, CLEAR ROADWAY,
SIDEWALK WIDTH, RIGHT GAURDRAIL WIDTH, OVERHANGS,
BEAM SPACING, TOP OF RAIL TO BOTTOM OF BEAM.

MODIFIED BY B.TYSON 7/19/17

Title TYPICAL SECTION		Description CROSS SECTION	
Bridge No: 911021	Drawn By: TFM	Date: 7/7/2009	File Name: S0006002806

Bridge Inspection Field Sketch

Deck Width/Out to Out	47.25ft	Between Rails	44.33ft
Clear Roadway	39.5ft	Wearing Surface	
Median Width		Median Height	
Curb Height		Left	Right 0.5ft
Sidewalk Width		Left	Right 4.83ft
Clear Roadway (Rail to Median)		Left	Right
Guardrail Width		Left 1.42ft	Right 1.33ft
Top of Rail to Deck/Wearing Surface		Left 2.67ft	Right 3.5ft
Bridge Rail		Left Type 4	Right Type 60



Measurements for Span #	3		
Deck Thickness	0.7	Left Overhang	3.25
Top of Rail to Bottom of Beam	7.58(LT)	Right Overhang	3.16

Beam Number	Beam Type	Spacing	Comments
1	PPC Girder	10.21ft	TYPE 3 GIRDER
2	PPC Girder	10.21ft	TYPE 3 GIRDER
3	PPC Girder	10.21ft	TYPE 3 GIRDER
4	PPC Girder	10.21ft	TYPE 3 GIRDER
5	PPC Girder	ft	TYPE 3 GIRDER

Top of Rail to Bottom of Beam = 9.12(RT)

NO CURVED GIRDERS

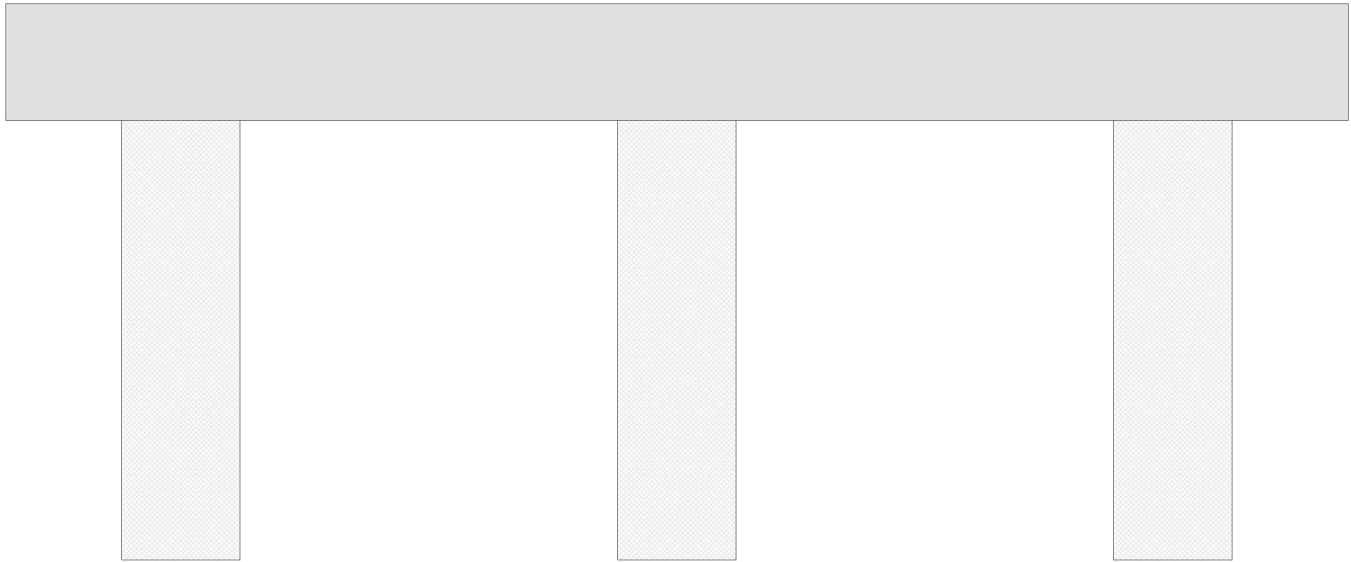
SPANS 3 AND 4

MODIFIED OUT TO OUT, BETWEEN RAILS, CLEAR ROADWAY,
SIDEWALK WIDTH, RIGHT GAURDRAIL WIDTH, OVERHANGS,
BEAM SPACING, TOP OF RAIL TO BOTTOM OF BEAM.

MODIFIED BY B.TYSON 7/19/17

Title TYPICAL 2	Description Typical
Bridge No: 911021	Drawn By: RJF
Date: 7/20/2015	File Name: S0598000122

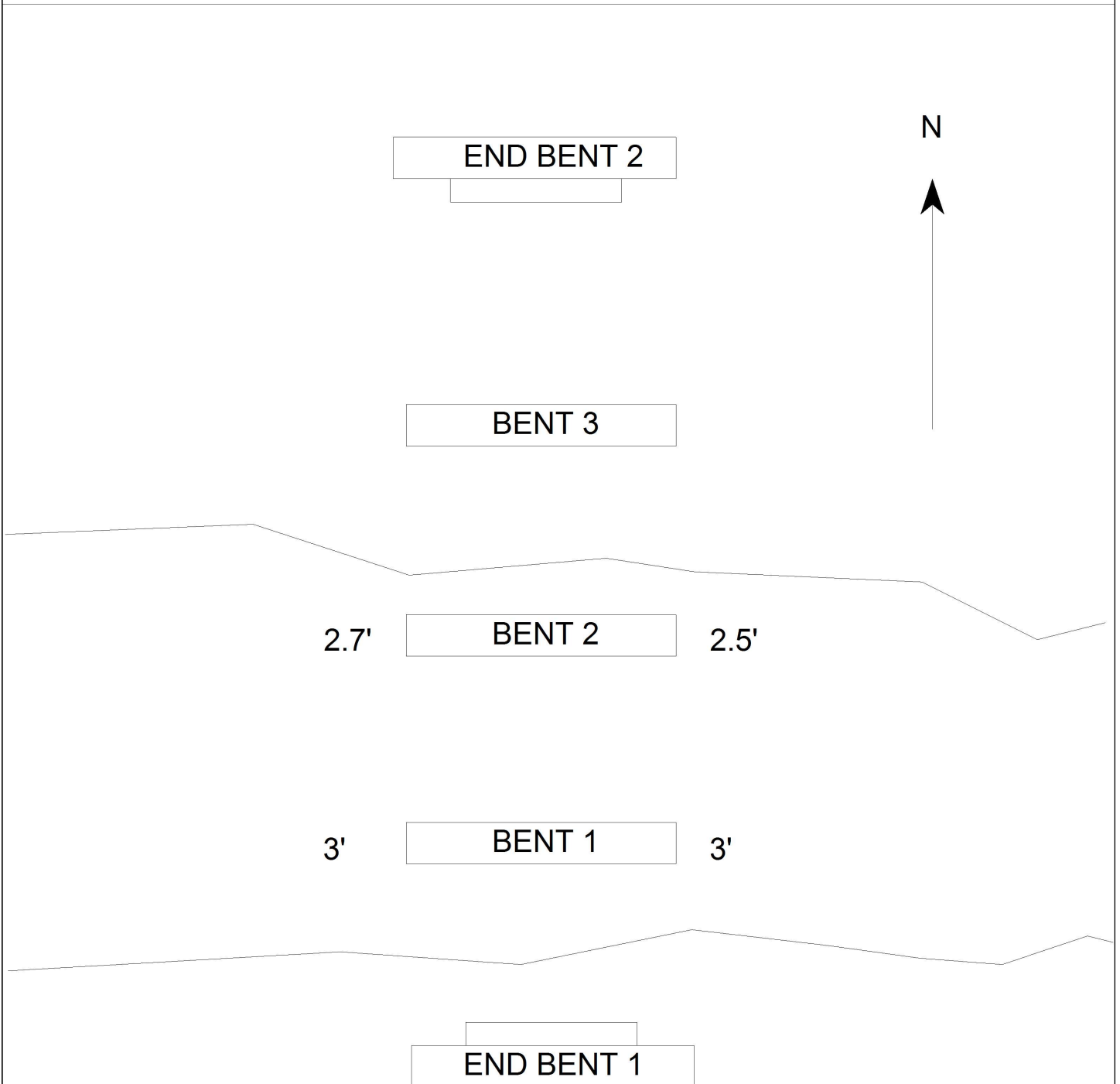
Bridge Inspection Field Sketch



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.				
45.333 ft.	4.160 ft.	4.164 ft.	6.000 ft.	6.000 ft.	2.250 ft.	2.250 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	16.67 ft.	4 ft.			Vertical	No	No	No	No
2	Concrete	16.67 ft.	4 ft.			Vertical	No	No	No	No
3	Concrete		4 ft.			Vertical	No	No	No	No
<p>BENTS 1 AND 2</p> <p>MODIFIED CAP HEIGHT, LENGTH, OVERHANGS, COLUMN SPACING.</p> <p>MODIFIED BY B.TYSON 7/19/17</p>										
Bent/Abutment #: 1			Similar Bents: 2 and 3							

Title				Description			
SUBSTRUCTURE				INTERMEDIATE BENTS			
Bridge No:	911021	Drawn By:	RJF	Date:	7/20/2015	File Name:	S0598000123

Bridge Inspection Field Sketch

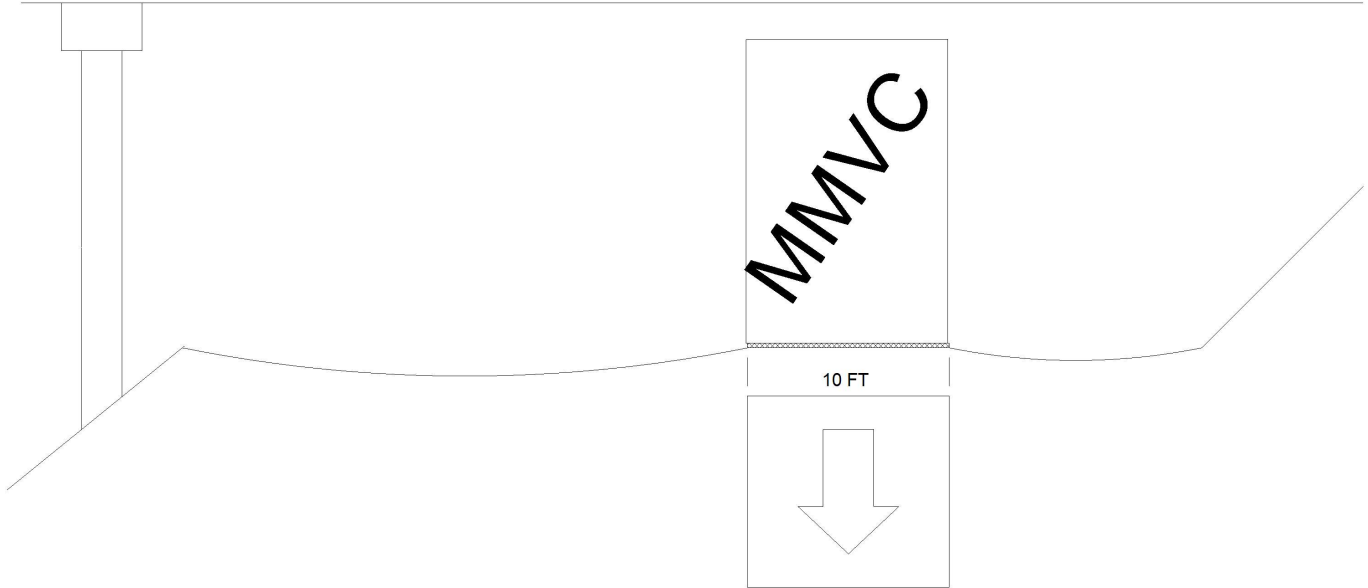


WATER SURFACE: 29FT @ BENT 1 EAST SIDE
 BOTTOM COMP: SAND, CLAY W/1FT PROBE

Title PLAN VIEW		Description WATERWAY	
Bridge No: 911021	Drawn By: JCB	Date: 3/15/2017	File Name: S0158001334

Bridge Inspection Field Sketch

Span 1



Roadway 1		Direction of Traffic	East West
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope	28FT	Distance to Left Bent	42.25FT
Distance to Right Toe of Slope	12.5FT	Distance to Right Bent	
MMVC	8.5 Ft at Beam 5, AT RIGHT EDGE OF TRAIL		
MVC	8.5 Ft at Beam 5, AT RIGHT EDGE OF TRAIL		

Title
VERTICAL CLEARANCE

Description
LOOKING EAST

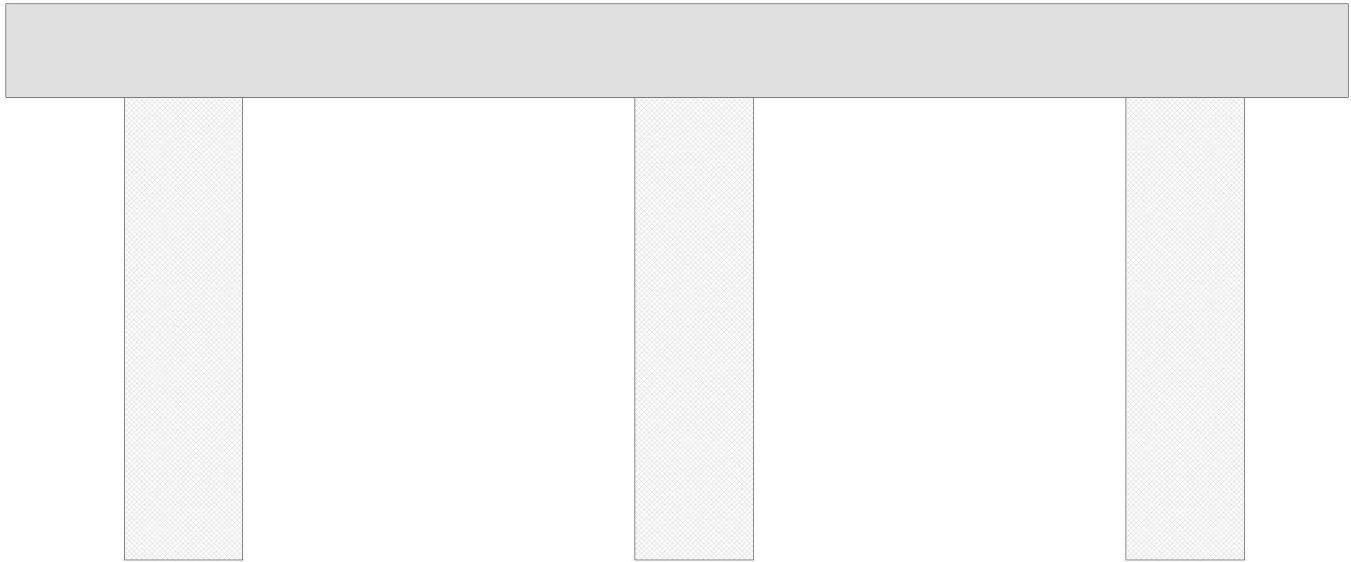
Bridge No: 911021

Drawn By: BT

Date: 7/19/2017

File Name: S0614000064

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.				
45.333 ft.	4.167 ft.	3.167 ft.	6.000 ft.	5.500 ft.	2.250 ft.	2.250 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	17.25 ft.	4 ft.			Vertical	No	No	No	No
2	Concrete	16.583 ft.	4 ft.			Vertical	No	No	No	No
3	Concrete		4 ft.			Vertical	No	No	No	No
Bent/Abutment #: 3			Similar Bents:							

Title SUBSTRUCTURE 1				Description BENT 3			
Bridge No: 911021	Drawn By: BT	Date: 7/20/2017	File Name: S0614000066				