



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

MVC CHANGE. SEE SKETCH.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY WARREN BRIDGE NUMBER 920049 INSPECTION CYCLE 2 YRS
 ROUTE I85 SBL ACROSS SR1226 M.P. 227100

LOCATION 1.5MI.S.JCT.SR1201

SUPERSTRUCTURE REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS:RC CAPS/RC PILES;INT.BTS:RCP&BEAM

SPANS 1@39'7,1@39',1@66',1@39',1@39'7

LONGITUDE 78° 15' 0.65"

LATITUDE 36° 28' 7.72"

INSPECTION DATE 01/28/2014

PRESENT CONDITION FAIR

PRESENT POSTING Not Posted

PROPOSED POSTING _____

OTHER SIGNS PRESENT NONE



LOOKING NORTH

| | |
|-------------------|-----------|
| 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 | _____ |

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

Run Date: 05/07/2014

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **920049**
 (8) STRUCTURE NUMBER(FEDERAL) 000000001850049
 (5) INVENTORY ROUTE (ON/UNDER) - ON 11000850
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 3
 (3) COUNTY CODE 185 (4) PLACE CODE 0
 (6) FEATURE INTERSECTED - SR1226
 (7) FACILITY CARRIED I85 SBL
 (9) LOCATION 1.5MI.S.JCT.SR1201
 (11)MILEPOINT 227.1
 (16)LAT 36° 28' 7.72" (17)LONG 78° 15' 0.65"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 66.61
 STATUS = Functionally Obsolete

CLASSIFICATION **CODE**

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is on the NHS 1
 (26) FUNCTIONAL CLASS - Arterial - Interstate 01
 (100)STRAHNET HIGHWAY - Interstate STRAHNET Route 1
 (101)PARALLEL STRUCTURE - Left Parallel Structure L
 (102)DIRECTION OF TRAFFIC - 1-way Traffic 1
 (103)TEMPORARY STRUCTURE -
 (110)DESIGNATED NATIONAL NETWORK - On the National Network 1
 (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 Mutlibeam or Girder CODE 302
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 5
 (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 7
 (59) SUPERSTRUCTURE 7
 (60) SUBSTRUCTURE 5
 (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 1
 (64) OPERATING RATING - HS-35 63
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-21 37
 (70) BRIDGE POSTING - No Posting Required 5
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
 DESCRIPTION - Open, No Restriction

AGE AND SERVICE

(27) YEAR BUILT 1957
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Highway CODE 11
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 2
 (29) AVERAGE DAILY TRAFFIC 12000
 (30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 23%
 (19) BYPASS OR DETOUR LENGTH 1 MI

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 5
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES,VERTI & HORIZ 9
 (71) WATERWAY ADEQUACY N
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 1111
 (113)SCOUR CRITICAL BRIDGES N

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 66 FT
 (49) STRUCTURE LENGTH 223 FT
 (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 28 FT
 (52) DECK WIDTH OUT TO OUT 31.5 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 28 FT
 (33) BRIDGE MEDIAN - No Median CODE 1
 (34) SKEW 44° (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 17.083 FT
 (55) MIN LAT UNDERCLEAR RT REF Highway 12.5 FT
 (56) MIN LAT UNDERCLEAR LT REF - 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 24000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 01/28/2014
 (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

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

Structure No: 920049

County: WARREN

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 |
| 3 | SR1226 | 31012260 | 17.17 | | 0 | | | 9 | 2 | 100 | 2012 | 44.75 | H | 17.08 | 12.5 | | 9 | 0 | 2 | 0 |

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: 05/07/2014

COUNTY : WARREN DIVISION : 5 DISTRICT : 3 STRUCTURE NUMBER : 920049 LENGTH : 223 FEET

ROUTE CARRIED : 185 SBL FEATURE INTERSECTED : SR1226

LOCATED : 1.5MI.S.JCT.SR1201 BRIDGE NAME : CITY :

FUNC. CLASS : 01 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 12000 2012 RAIL TYPE : LT 333 RT 333

BUILT : 1957 BY : SHC PROJ : 4950 FED.AID PROJ : 16686 DESIGN LOAD : HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : TAN. SKEW : 134 LANES : ON 2 UNDER 2

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

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:RC CAPS/RC PILES;INT.BTS:RCP&BEAM

SPANS : 1@39'7,1@39',1@66',1@39',1@39'7

BEAMS OR GIRDERS : 4 LINES VARIOUS SIZE I-BEAMS@8' CTS.

FLOOR : 7.25 RC/1.5 AWS ENCROACHMENT : DECK (OUT TO OUT) : 31.5 FT

CLEAR ROADWAY : 28 FT BETWEEN RAILS : 28 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-21 OPE.RTG. : HS-35 CONTR.MEMBER : I-Bm B POSTED : SV TTST DATE 12/12/2002

SYSTEM : Primary Interstate GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

| Span | Route Description | Vertical Clearances | | Horizontal Clearances | | |
|------|-------------------|---------------------|---------|-----------------------|------|-------|
| | | MMVC | MVC | Total | Left | Right |
| 3 | SR1226 | 17.1670 | 17.0830 | 44.75 | 0 | 12.50 |

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 920049 COUNTY WARREN ROUTE I85 SBL OVER SR1226
 STRUCTURE TYPE REINFORCED CONCRETE FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1@39'7,1@39',1@66',1@39',1@39'7

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 | | | G | 45. CHANNEL & CHANNEL PROT. | a. WATERWAY | | |
| 2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58 | | | 5 | | b. ALIGNMENT | | |
| a. CONCRETE | | | F | | c. SCOUR | | |
| b. TIMBER | | | | | d. SLOPE PROT., RIP-RAP, DIKES, ETC. | | |
| c. STEEL PLANK | | | | | 50. APPROACH ROADWAY CONDITION | | |
| d. OPEN GRID | | | | 51. APPROACH SLABS | | | |
| 3. RAILING | | | G | 52. PAINT SYSTEM | | | CODE A F |
| a. CONCRETE | | | | 53. UTILITIES | | | |
| b. TIMBER | | | | 54. RESPONSE TO LIVE LOAD | | | G |
| c. ALUMINUM | | | | 55. ESTIMATED REMAINING LIFE | | | 10 |
| d. STEEL | | | G | | | | |
| 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 | | | 4 | 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 | | | G | b. SUPERSTRUCTURE | | | ITEM 59 7 |
| 11. LONGITUDINAL JOIST OR STRINGERS | | | | c. SUBSTRUCTURE | | | ITEM 60 5 |
| 12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S | | | G | d. CHANNEL & CHANNEL PROT. | | | ITEM 61 |
| 13. END DIAP'S, CURTAIN WALLS, & CONN'S | | | F | 71. SI&A FIELD APPRAISAL RATINGS | | | |
| 14. FLOOR BEAMS AND CONNECTIONS | | | | a. WATERWAY ADAQUACY | | | |
| 15. BEARING ASSEMBLIES (INCLUDING MISALIGN) | | | G | b. APPR. RDWY. ALIGNMENT | | | 8 |
| 16. DRAINAGE SYSTEM (ON STRUCTURE) | | | G | | | | |
| 17. MOVABLE SPAN MACHINERY | | | | 72. FIELD SCOUR EVALUATION | | | N |
| 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 | | | F | | | | |
| b. ABUT. & BENT COL'S BREASTWALLS | | | F | | | | |
| 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) | | | F | | | | |
| 40. FENDER SYSTEMS | | | | 80. INSPECTED BY: | | | <i>[Signature]</i> |
| 41. DRIFT | | | | 81. REVIEWED BY: | | | |

| Bridge I&A Form 1(82)H | | FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u> | |
|--|-------|--|--|
| State of North Carolina Dept. of Transportation Division of Highways | | | |
| Team Leader Vernon Hicks | | | |
| Assisted By PDC | | | |
| Item No. | Grade | | |
| 1 | G | WEARING SURFACE TRANSVERSE CRACKS OVER INTERIOR BENTS. | |
| 2a | F | CONCRETE DECK HAIRLINE TO 1/32 IN. WIDE TRANSVERSE AND MAP CRACKS IN BOTTOM OF DECK AND OVERHANGS WITH SPOTS OF EFFLO LEAKAGE . DELAMINATION AND PATCHES IN BOTTOM OF DECK. SPOTS OF WATER STAINS BETWEEN BOTTOM OF DECK AND BEAM FLANGES. RANDOM SPOTS OF SURFACE TO 1 IN. DEEP SPALLS IN BOTTOM OF OVERHANGS WITH EXPOSED REBAR. | |
| 3d | G | STEEL RAILS THERE IS SCRAPE DAMAGE IN THE RETROFIT RAIL THE ENTIRE LENGTH OF BRIDGE. DAMAGED GUARDRAIL TERMINAL AT NORTH WEST CORNER. | |
| 10 | G | LONGITUDINAL BEAMS SURFACE TO 1/16 IN.D PITS IN WEBS AROUND END DIAPHRAGM . 1/8 IN. SECTION LOSS IN BOTTOM FLANGE IN BEAM 3 AT BENT 1 BEARING. THERE IS 1/16 IN. PITTING AND RUST AT THE SOUTH END OF BEAM 4 SPAN 5 3 FT. ADJACENT TO INT. BENT 4. SURFACE TO 1/8 IN. SECTION LOSS IN FLANGES AROUND BEARINGS. 1/2 IN. DEADLOAD DEFLECTION. | |
| 10A | NO | PAINT IS FLAKING AND PEELING OFF. NO CURVED GIRDERS | |
| 13 | F | END DIAPHRAGMS THE END DIAPHRAGMS ARE CRACKED AND DELAMINATED AND SPALLED IN SPOTS WITH REBARS EXPOSED BELOW. | |
| 15 | G | BEARING ASSEMBLIES THE BEARING PLATES ARE DELAMINATED AND RUSTY IN SPOTS. | |
| 16 | G | DRAINAGE DEBRIS IN DRAIN HOLES ATENDS OF BRIDGE. | |
| 52 | F | PAINT SYSTEM PAINT IS PEELING AND FLAKING IN VARIOUS LOCATIONS. | |

| | | | |
|---|--------------|--|--|
| 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 Vernon Hicks | | | |
| Assisted By PDC | | | |
| Item No. | Grade | | |
| 36a | F | CONCRETE CAPS HAIRLINE CRACKS AND SCALING IN FACES . THE TOPS OF CAPS ARE SCALED HEAVILY WITH EXPOSED COARSE AGGREGATE . HAIRLINE MAP CRACKS AND DELAMINATION IN BOTTOM OF CAPS. 1/32 IN. WIDE X 5 FT. LONG CRACK IN FACE OF BENT 3 SPAN 3 SIDE LOCATED 6 IN. DOWN FROM TOP EDGE FROM BEAM 1 INTO BAY 2. 21 IN. DIAMETER X 1 1/2 DEEP SPALL IN BOTTOM OF CAP BETWEEN COLUMN 2 AND COLUMN 3 WITH EXPOSED REBARS. HAIRLINE TO 1/16 IN. WIDE X 15 FT. LONG CRACK EXTENDING FROM BAY 1 TO BAY 3 4 IN. TO 8 IN. DOWN FROM TOP IN SPAN 4 SIDE FACE OF BENT 3 CAP. | |
| 39 | F | SLOPE PROTECTION GROUNDHOG HOLES IN UNPROTECTED SLOPES. SOME EROSION IN FILL MATERIAL UNDER SPANS 1 AND 5 . VEGETATION AND VINES ARE GROWING AROUND AND UNDER BRIDGE . | |
| 62 | NO | NOT POSTED | |

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 920049

County WARREN

Date: 01/28/2014

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

| MMS Code | Description of Function | Unit | Quantity | Remarks | Est. Cost |
|----------|---|------|----------|--|-----------|
| 3314 | Maintain Steel Superstructure Components | LF | 128 | LONGITUDINAL BEAMS SURFACE TO 1/16 IN. DEEP PITS IN WEBS AROUND END DIAPHRAGM . 1/8 IN. SECTION LOSS IN BOTTOM FLANGE IN BEAM 3 AT BENT 1 BEARING. THERE IS 1/16 IN. PITTING AND RUST AT THE SOUTH END OF BEAM 4 SPAN 5 3 FT. ADJACENT TO INTERSECTION AT BENT BENT. BENT 4. END DIAPHRAGMS 6 THE END DIAPHRAGMS ARE CRACKED AND DELAMINATED AND SPALLED IN SPOTS WITH REBARS EXPOSED BELOW. | |
| 3348 | Maintain Concrete Substructure Components | LF | 20 | 21 IN. DIAMETER X 1 1/2 DEEP SPALL IN BOTTOM OF CAP BETWEEN COLUMN 2 AND COLUMN 3 WITH EXPOSED REBARS. HAIRLINE TO 1/16 IN. WIDE X 15 FT. LONG CRACK EXTENDING FROM BAY 1 TO BAY 3 4 IN. TO 8 IN. DOWN FROM TOP IN SPAN 4 SIDE FACE OF BENT 3 CAP. 1/32 IN. WIDE X 5 FT. LONG CRACK IN FACE OF BENT 3 SPAN 3 SIDE LOCATED 6 IN. DOWN FROM TOP EDGE FROM BEAM 1 INTO BAY 2. | |

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



DAMAGED GUARDRAIL TERMINAL @ NORTH WEST CORNER



DAMAGED GUARDRAIL @ WEST SIDE THROUGH OUT BRIDGE



DRAIN BLOCKED WITH DIRT AND DEBRIS @ SOUTH WEST CORNER



SPALL IN DIAPHRAGM OVER INTERIOR BENT 1 RIGHT SIDE WITH EXPOSED STEEL



SPALL IN DIAPHRAGM WITH EXPOSED STEEL OVER INTERIOR BENT 2 RIGHT SIDE



SPALL IN BOTTOM OF CAP WITH EXPOSED STEEL @ INTERIOR BENT 3 BETWEEN COLUMN 2 AND COLUMN 3 (10 IN DIAMETER X 2 IN DEEP)



SPALL IN DIAPHRAGM WITH EXPOSED STEEL OVER INTERIOR BENT 3 SPAN 4 SIDE BAY 2



SPALL UNDER BOTTOM OF CAP WITH EXPOSED STEEL @ INTERIOR BENT 4 BETWEEN COLUMN 2 AND COLUMN 3 (4FT LONG X 2FT WIDE X 3 IN DEEP)

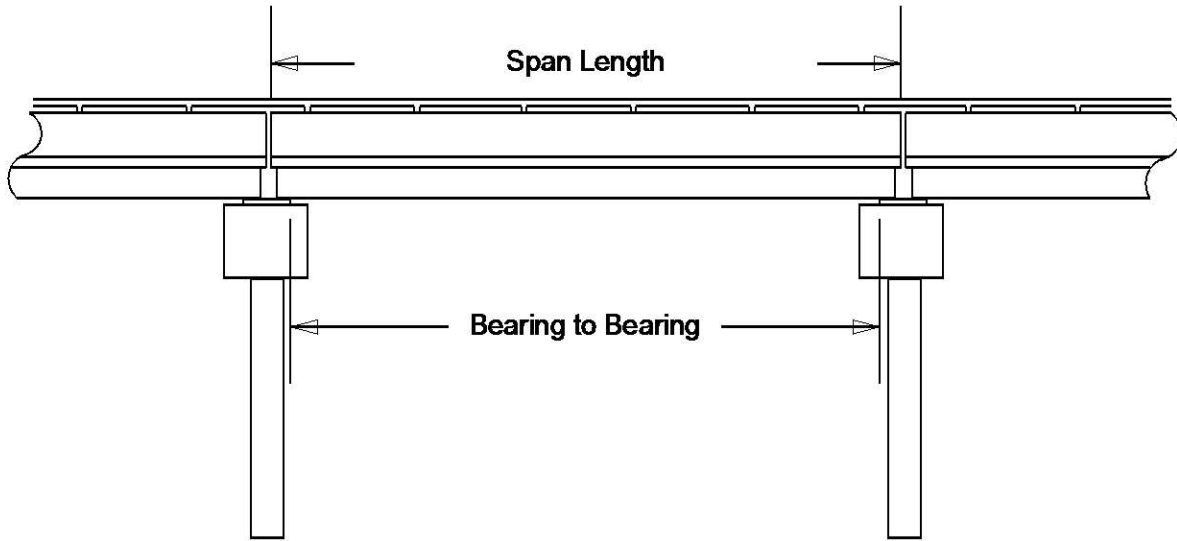


RODENT HOLES IN SLOPE @ END BENT 2

Structure Data Worksheet

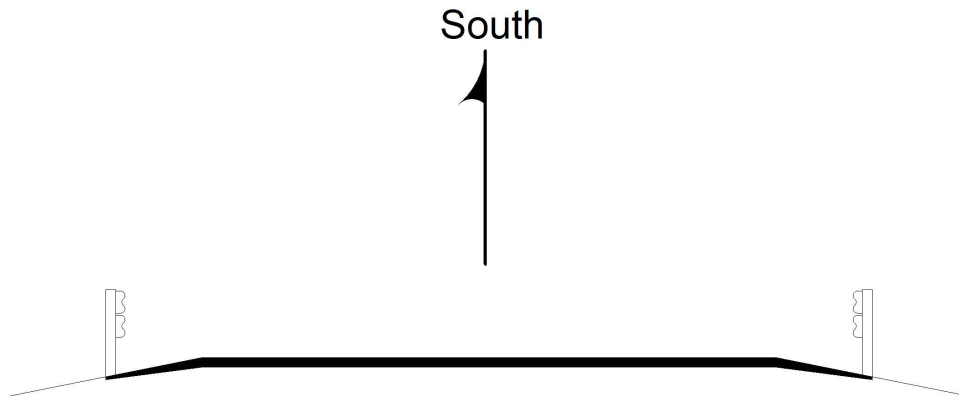
Spans

County: WARREN Structure No: 920049 Date: 01/28/2014 Inspected By: VMH



| Span No | Span Length | Bearing to Bearing | Comments |
|---------|-------------|--------------------|----------|
| 1 | 39.583 ft. | | |
| 2 | 39 ft. | | |
| 3 | 66 ft. | | |
| 4 | 39 ft. | | |
| 5 | 39.583 ft. | | |

Bridge Inspection Field Sketch



| | | | |
|-----------------|---------------|---------------|---------------|
| Roadway | 24ft Wide | 2 Paved Lanes | Looking South |
| Left Shoulder | 2ft Wide | 2ft Paved | |
| Right Shoulder | 2ft Wide | 2ft Paved | |
| Left Guardrail | 2ft from road | | |
| Right Guardrail | 2ft from road | | |

VMH 1/28/14

Title
APPROACH ROADWAY

Description
APPROACH ROADWAY

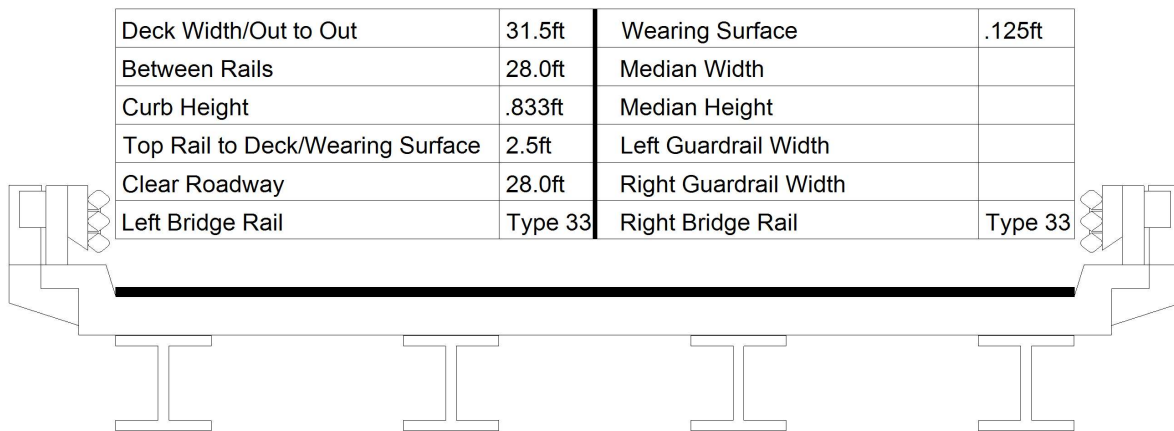
Bridge No: 920049

Drawn By: VMH

Date: 3/27/2008

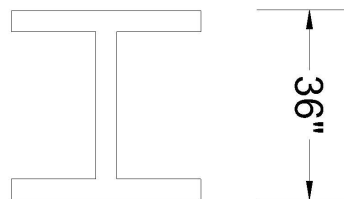
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Bridge Inspection Field Sketch

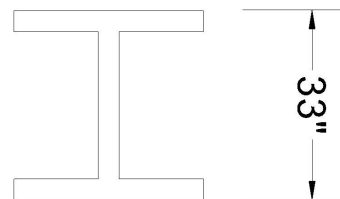


| | | | |
|-------------------------------|------|-------------------|-------|
| Measurements for Span # | 1 | ALL SPANS SIMILAR | |
| Deck Thickness | .604 | Left Overhang | 3.667 |
| Top of Rail to Bottom of Beam | 6.25 | Right Overhang | 3.667 |

| Beam No | Beam Type | Spacing | Comments |
|---------|--------------|---------|--------------------|
| 1 | Steel I Beam | 8.0ft | 10" X 36" I BEAM |
| 2 | Steel I Beam | 8.0ft | 33" X 130 # I BEAM |
| 3 | Steel I Beam | 8.0ft | 33" X 130 # I BEAM |
| 4 | Steel I Beam | | 10" X 36" I BEAM |



EXTERIOR BEAMS



INTERIOR BEAMS

VMH 1/28/14

Title
TYPICAL SECTION

Description
TYPICAL SECTION

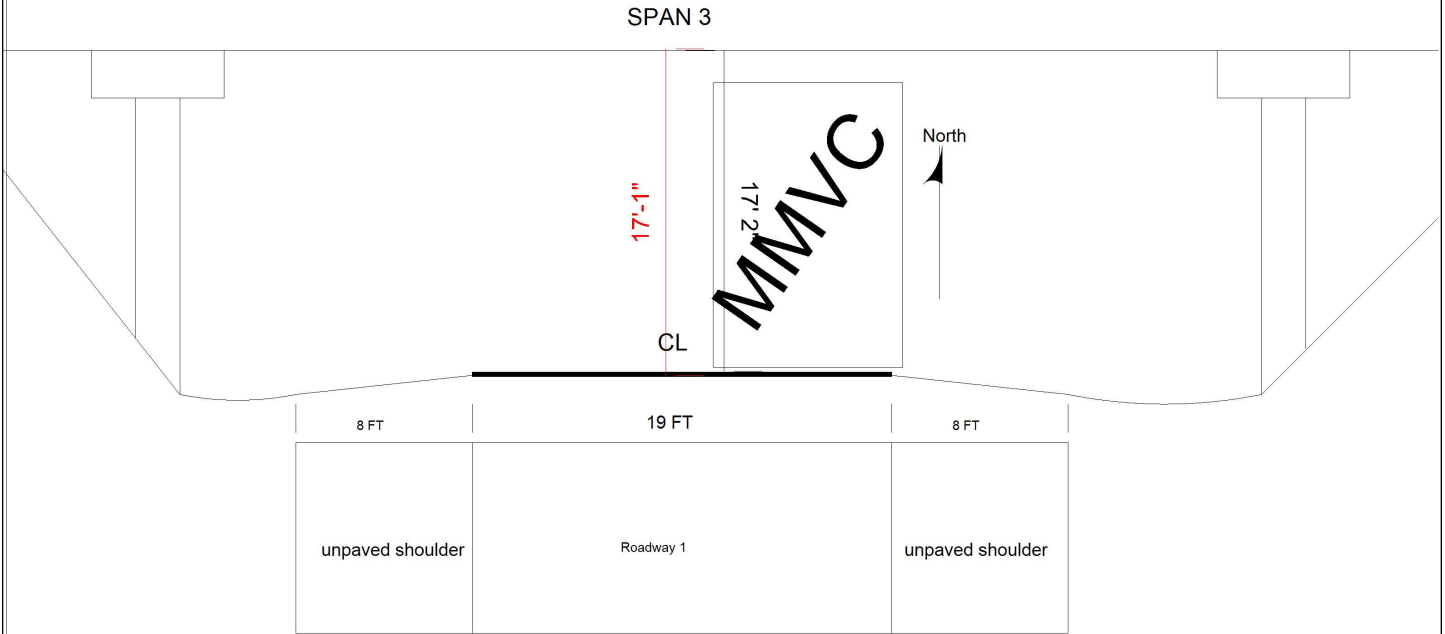
Bridge No: 920049

Drawn By: VMH

Date: 3/27/2008

File Name: S0026001751

Bridge Inspection Field Sketch

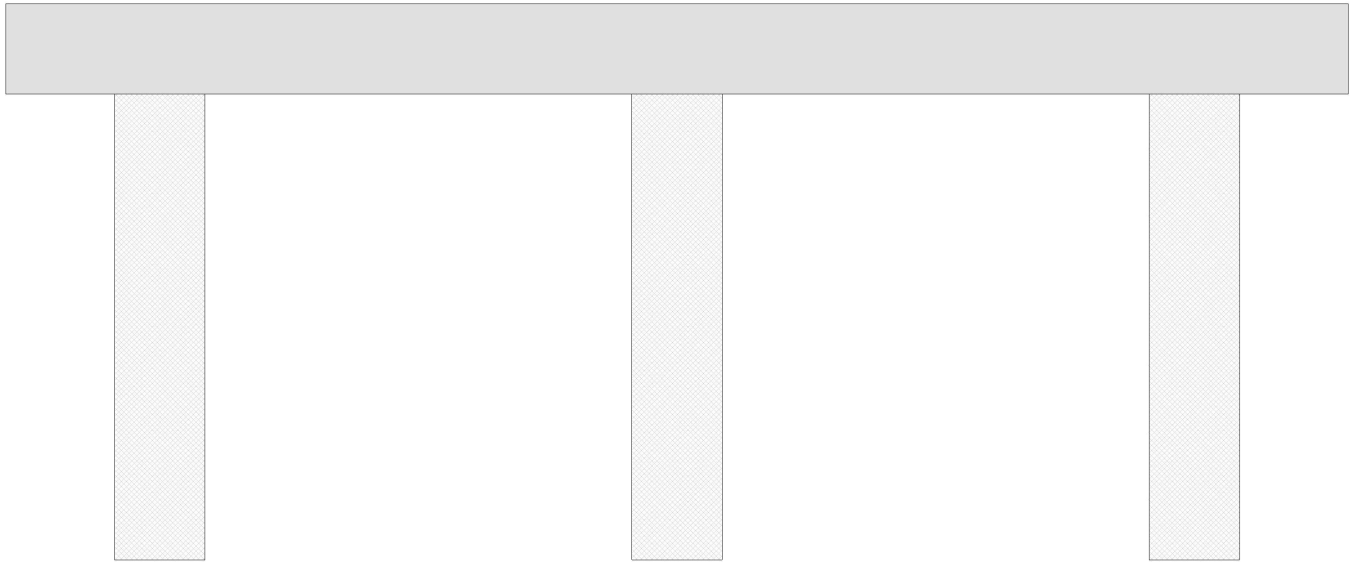


| | | |
|-----------|--|--|
| Roadway 1 | Distance to South Bound Guardrail | |
| | Distance to North Bound Guardrail | |
| | Distance to South Bound Toe of Slope | |
| | Distance to South Bound Bent or Columns 13.25 FT | |
| | Distance to North Bound Toe of Slope | |
| | Distance to North Bound Bent or Columns 12.5 FT | |
| | Maximum Minimum Vertical Clearance 17.167 FT @ 10FT Measured From RT EDGE on Beam No 4 | |
| | Minimum Vertical Clearance 17.083 FT @ 0 Measured From CENTER on Beam No 4 | |

VMH 1/28/14

| | | | |
|---------------------------------|----------------------|---------------------------------------|-------------------------------|
| Title UNDERCLEARANCES | | Description UNDERCLEARANCES | |
| Bridge No: 920049 | Drawn By: VMH | Date: 3/27/2008 | File Name: S0026001752 |

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. | | | | |
| 37.100 ft. | 2.500 ft. | 2.500 ft. | 4.250 ft. | 4.250 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 | 14.3 ft. | 2.5 ft. | | | Vertical | No | No | No | No |
| 2 | Concrete | 14.3 ft. | 2.5 ft. | | | Vertical | No | No | No | No |
| 3 | Concrete | | 2.5 ft. | | | Vertical | No | No | No | No |
| | | | | | | | | | | |
| Bent/Abutment #: 1 | | | Similar Bents: Bent 2, 3, and 4 | | | | | | | |

| | | | | | | | | | | |
|--------------------------|--|----------------------|--|------------------------------------|-------------------------|--|-------------------------------|--------------------|--|--|
| Title BENT 1 | | | | Description SUBSTRUCTURE | | | | VMH 1/28/14 | | |
| Bridge No: 920049 | | Drawn By: VMH | | | Date: 12/10/2009 | | File Name: S0022001542 | | | |



GUARDRAIL TERMINAL @ NORTH EAST CORNER



LOOKING SOUTH



APPROACH ROADWAY @ NORTH END (SOUTH END SIMILAR)



GUARDRAIL ATTACHMENT @ NORTH WEST CORNER (ALL OTHERS SIMILAR)



JOINT @ END BENT 2 (END BENT 1 SIMILAR)



ASPHALT WEARING SURFACE SPAN 5 TOP OF DECK (ALL OTHER SPANS SIMILAR)



JOINT OVER INTERIOR BENT 4 (ALL OTHERS SIMILAR)



LOOKING WEST



LOOKING EAST



GUARDRAIL TERMINAL @ SOUTH WEST CORNER (SOUTH EAST CORNER SIMILAR)



LOOKING NORTH



END BENT 1 / SLOPE (END BENT 2 / SLOPE SIMILAR)



SUPERSTRUCTURE SPAN 2 (ALL OTHER SPANS SIMILAR)



INTERIOR BENT 1 (ALL OTHERS SIMILAR)



WEST SIDE LOOKING EAST PHOTO 1 OF 2



WEST SIDE LOOKING EAST PHOTO 2 OF 2



EAST SIDE LOOKING WEST PHOTO 1 OF 2



EAST SIDE LOOKING WEST PHOTO 2 OF 2