



N.C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MAINTENANCE UNIT

Attention:

BRIDGE INSPECTION REPORT

TYPE OF INSPECTION Routine

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' 01.1"

LATITUDE 36° 28' 07.6"

PRESENT CONDITION FAIR

INVENTORY RATING HS-19

INSPECTION DATE 02/10/2006

OPERATING RATING HS-32

PRESENT POSTING Not Posted

PROPOSED POSTING N.P.

COMPUTER UPDATE 8-1-06

ANALYSIS DATE 7-20-06

POSTING LETTER DATE _____

SUFFICIENCY RATING _____

OTHER SIGNS PRESENT _____



Photo Looking **LOOKING NORTH**

SIGN NOTICE ISSUED FOR	NUMBER 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	_____

***** IDENTIFICATION *****

(1) STATE NAME - NORTH CAROLINA BRIDGE 920049
(8) STRUCTURE NUMBER (FEDERAL) 000000001850049
(5) INVENTORY ROUTE (ON/UNDER) - ON = 111000850
(2) STATE HIGHWAY DEPARTMENT DISTRICT 05
(3) COUNTY CODE 185 (4) PLACE CODE
(6) FEATURES INTERSECTED - SR1226
(7) FACILITY CARRIED - I85 SBL
(9) LOCATION - 1.5MI.S.JCT.SR1201
(11) MILEPOINT 227.100
(16) LAT 36 D 28 M 07.6S (17) LONG 078 D 15 M 01.1S
(98) BORDER BRIDGE STATE CODE PCT SHARE
(99) BORDER BRIDGE STRUCTURE NO. #

***** STRUCTURE TYPE AND MATERIAL *****

(43) STRUCTURE TYPE MAIN: STEEL
TYPE - STRINGER/MBEAM OR GIRDER CODE 302
(44) STRUCTURE TYPE APPR: OTHER
TYPE - OTHER CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 005
(46) NUMBER OF APPROACH SPANS 0000
(107) DECK STRUCTURE TYPE - CONCRETE C-I-P CODE 1
(108) WEARING SURFACE / PROTECTIVE SYSTEM:
A) TYPE OF WEARING SURFACE - BITUMINOUS CODE 6
B) TYPE OF MEMBRANE - NONE CODE 0
C) TYPE OF DECK PROTECTION - NONE CODE 0

***** AGE AND SERVICE *****

(27) YEAR BUILT 1957
(106) YEAR RECONSTRUCTED 0000
(42) TYPE OF SERVICE: ON - HIGHWAY
UNDER - HIGHWAY CODE 11
(28) LANES: ON STRUCTURE 02 UNDER STRUCTURE 02
(29) AVERAGE DAILY TRAFFIC 012000
(30) YEAR OF ADT 2004 (109) TRUCK ADT PCT 23
(19) BYPASS, DETOUR LENGTH 01 MI

***** GEOMETRIC DATA *****

(48) LENGTH OF MAXIMUM SPAN 0066 FT
(49) STRUCTURE LENGTH 000223 FT
(50) CURB OR SIDEWALK: LEFT 00.0 FT RIGHT 00.0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 028.0 FT
(52) DECK WIDTH OUT TO OUT 031.5 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 028 FT
(33) BRIDGE MEDIAN - OPEN MEDIAN CODE 1
(34) SKEW 44 DEG (35) STRUCTURE FLARED NO
(10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.0 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 99 IN
(54) MIN VERT UNDERCLEAR REF - HIGHWAY 17 FT 02 IN
(55) MIN LAT UNDERCLEAR RT REF - HIGHWAY 12.5 FT
(56) MIN LAT UNDERCLEAR LT 00.0 FT

***** NAVIGATION DATA *****

(38) NAVIGATION CONTROL - N.A., NO WATERWAY CODE N
(111) PIER PROTECTION - NOT APPLICABLE CODE
(39) NAVIGATION VERTICAL CLEARANCE 000 FT
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0000 FT

SUFFICIENCY RATING = 65.8
STATUS = FUNCTIONALLY OBSOLETE

***** CLASSIFICATION ***** CODE

(112) NBIS BRIDGE LENGTH - YES
(104) HIGHWAY SYSTEM - NHS ROUTE 1
(26) FUNCTIONAL CLASS - PRINCIPAL ARTERIAL- INTER 01
(100) DEFENSE HIGHWAY - YES DEFENSE HWY 1
(101) PARALLEL STRUCTURE - LF STR OF PARALLEL BRGS L
(102) DIRECTION OF TRAFFIC - 1-WAY TRAFFIC 1
(103) TEMPORARY STRUCTURE - NOT TEMPORARY
(110) DESIGNATED NATIONAL NETWORK - PART OF NETWORK 1
(20) TOLL - ON FREE ROAD 3
(21) MAINTAIN - STATE HIGHWAY AGENCY 01
(22) OWNER - STATE HIGHWAY AGENCY 01
(37) HISTORICAL SIGNIFICANCE - NOT ELIGIBLE 5

***** CONDITION ***** CODE

(58) DECK 6
(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
(64) OPERATING RATING - LF HS-32 157
(66) INVENTORY RATING - LF HS-19 134
(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 3
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL 9
(71) WATERWAY ADEQUACY N
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 1111
(113) SCOUR CRITICAL BRIDGES N

***** PROPOSED IMPROVEMENTS *****

(75) TYPE OF WORK - REPLACE FOR DEFICIENCY CODE 311
(76) LENGTH OF STRUCTURE IMPROVEMENT 000223 FT
(94) BRIDGE IMPROVEMENT COST \$ 723,000
(95) ROADWAY IMPROVEMENT COST \$ 181,000
(96) TOTAL PROJECT COST \$ 1,085,000
(97) YEAR OF IMPROVEMENT COST ESTIMATE 2006
(114) FUTURE ADT 024000 (115) YEAR FUTURE ADT 2025

***** INSPECTIONS *****

(90) INSPECTION DATE 02/2006 (91) FREQUENCY 24 MO
(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO - MO A)
B) UNDERWATER INSP - NO - MO B)
C) OTHER SPECIAL INSP - NO - MO C)
SCOUR - NOT EVALUATED

***** IDENTIFICATION *****

(1) STATE NAME - NORTH CAROLINA BRIDGE 920049
(8) STRUCTURE NUMBER (FEDERAL) 000000001850049
(5) INVENTORY ROUTE (ON/UNDER) - UNDER = 231012260
(2) STATE HIGHWAY DEPARTMENT DISTRICT 05
(3) COUNTY CODE 185 (4) PLACE CODE
(6) FEATURES INTERSECTED -
(7) FACILITY CARRIED - I85 SEL
(9) LOCATION - 1.5MI.S.JCT.SR1201
(11) MILEPOINT 000.000
(16) LAT 36 D 28 M 07.6S (17) LONG 078 D 15 M 01.1S
(98) BORDER BRIDGE STATE CODE PCT SHARE
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(106) YEAR RECONSTRUCTED 0000
(42) TYPE OF SERVICE: ON - HIGHWAY
UNDER - HIGHWAY CODE 11
(28) LANES: ON STRUCTURE 02 UNDER STRUCTURE 02
(29) AVERAGE DAILY TRAFFIC 000190
(30) YEAR OF ADT 2003 (109) TRUCK ADT PCT 00
(19) BYPASS, DETOUR LENGTH 00 MI

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(100) DEFENSE HIGHWAY - NOT DEFENSE HWY 0
(101) PARALLEL STRUCTURE - LF STR OF PARALLEL BRGS L
(102) DIRECTION OF TRAFFIC - 2-WAY TRAFFIC 2
(103) TEMPORARY STRUCTURE - NOT TEMPORARY
(110) DESIGNATED NATIONAL NETWORK - NOT PART OF 0
(20) TOLL - ON FREE ROAD 3
(21) MAINTAIN - STATE HIGHWAY AGENCY 01
(22) OWNER - STATE HIGHWAY AGENCY 01
(37) HISTORICAL SIGNIFICANCE - NOT ELIGIBLE 5

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C) OTHER SPECIAL INSP - NO - MO C)
SCOUR - NOT EVALUATED

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE ROUTINE

BRIDGE NO. 920049 COUNTY WARREN ROUTE 185 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 CODE : 0 -2 CRITICAL, 3 & 4 POOR, 5 & 6 FAIR, 7 -9 GOOD

INSPECTION ITEM			ITEM 61		
DECK ITEMS		GRADES			
1. WEARING SURFACE		5	45 CHANNEL & CHANNEL PROT.	a. WATERWAY	
2 DECK NO. OF EA TYPE		5		b. ALIGNMENT	
SPN GRADE				c. SCOUR	
RATES SI & A ITEM 58				d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
3 RAILING		6	50 APPROACH ROADWAY CONDITION		6
a. CONCRETE			51 APPROACH SLABS		
b. TIMBER			52 PAINT SYSTEM		CODE A 6
c. ALUMINUM			53 UTILITIES		
d. STEEL		6	54 RESPONSE TO LIVE LOAD		7
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS		6	55 ESTIMATED REMAINING LIFE		4
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 DEVICES			63 TOT. FIELD INSP TIME (INCLUDE WRITE UP)(M/H)		6
c. COMPRESSION SEAL			64 TOTAL SNOOPER INSP. TIME (HRS)		0
d. STANDARD JOINTS		4	65 TOTAL TRAFFIC CONTROL TIME (M/H)		0
e. OPEN JOINTS					
7. DECK DEBRIS (INCLUDE EXCESS SAND/GRAVEL)		6			
			70 SI&A GENERAL CONDITION RATINGS		
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59			a. DECK	ITEM 58	6
10. LONGITUDINAL BEAMS OR GIRDERS		7	b. SUPERSTRUCTURE	ITEM 59	7
11. LONGITUDINAL JOIST OR STRINGERS			c. SUBSTRUCTURE	ITEM 60	5
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S		8	d. CHANNEL & CHANNEL PROT.	ITEM 61	NA
13. END DIAP'S, CURTAIN WALLS, & CONN'S		6			
14. FLOOR BEAMS AND CONNECTIONS			71 SI&A FIELD APPRAISAL RATINGS		
15. BEARING ASSEMBLIES (INCLUDE MISALIGN)		6	a. WATERWAY ADAQUACY		NA
16. DRAINAGE SYSTEM (ON STRUCTURE)		6	b. APPR. RDWY. ALIGNMENT		
17. MOVABLE SPAN MACHINERY					
			72 FIELD SCOUR EVALUATION		N
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)					
35. TIM SUB STR.			USE OF INSP. ACCESSIBILITY EQUIPMENT		
a. ABUT. & INT. BENT CAPS & RISERS			SNOOPER (CODE P, S, 4, OR N)		No No
b. PILES, POST, SILLS, & BRACING			LADDER		Yes
c. BULKHEADS, WING'S & TIE BACKS					
36. CONC SUB STR.			OVERSIDE LADDER		
a. ABUT. & INT. BENT CAPS		5	BUCKET TRUCK		No
b. ABUT. & BENT COL'S BREASTWALLS		7	BOAT		No
c. ABUT. & INT. BENT PILES			OTHER		
d. BACKWALLS, WING'S, RETAIN. WLLS		6			
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)		6			
40 FENDER SYSTEMS			80 INSPECTED BY:		
41 DRIFT			81 REVIEWED BY		

State of North Carolina
 Dept. of Transportation
 Division of Highways

FIELD INSPECTION REPORT

Bridge Inspection & Analysis

Team Leader: VMH

Assisted by: WCM

Item No	Grade	
1	5	WEARING SURFACE 5 THE ASPHALT IS MAP CRACKED AND DELINATED FROM THE CURBLINES OVER 3 FT. THE ASPHALT HAS BEEN PATCHED IN SPOTS AND IS COMING UP.
2a	5	CONCRETE DECK 5 HAIRLINE TO 1/32 IN. WIDE TRANSVERSE AND MAP CRACKS IN BOTTOM OF DECK AND OVERHANGS WITH SPOTS OF EFFLO LEAKAGE . SPOTS OF HONEYCOMBING 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.
3a	6	CONCRETE RAILS 6 HAIRLINE CRACKS AND SCALING IN FACES WITH EXPOSED COARSE AGGREGATE .
3d	6	STEEL RAILS 6 THERE IS SCRAPE DAMAGE IN THE RETROFIT RAIL THE ENTIRE LENGTH OF BRIDGE . THE APPROACH GUARDRAIL HAS DAMAGE AT THE NORTH EAST CORNER.
4	6	CURBS 6 HEAVY SCALING IN FACES WITH EXPOSED COARSE AGGREGATE . SURFACE TO 1 IN. DEEP SPALLS WITH EXPOSED REBARS.
6d	7	STANDARD JOINTS 7 TRANSVERSE CRACKS IN ASPHALT OVER FILLED JOINTS. SOME DIRT AND DEBRIS IN JOINTS.
7	6	DECK DEBRIS 6 DIRT AND DEBRIS ALONG CURBLINES.

Item No	Grade	
10	7	<p>LONGITUDINAL BEAMS 7</p> <p>SURFACE TO 1/16 IN.D PITS IN WEBS AROUND END DIAPHRAGM .</p> <p>SURFACE TO 1/8 IN. SECTION LOSS IN FLANGES AROUND BEARINGS.</p> <p>1/2 IN. DEADLOAD DEFLECTION.</p> <p>PAINT IS FLAKING AND PEELING OFF.</p> <p>1/8 IN. SECTION LOSS IN BOTTOM FLANGE IN BEAM 3 AT BENT 1 BEARING.</p> <p>THERE IS 1/16 IN. PITTING AND RUST AT THE SOUTH END OF BEAM 4 SPAN 5 3 FT. ADJACENT TO INTERIOR BENT 4.</p>
13	6	<p>END DIAPHRAGMS 6</p> <p>THE END DIAPHRAGMS ARE CRACKED AND DELAMINATED AND SPALLED IN SPOTS WITH REBARS EXPOSED BELOW.</p>
15	6	<p>BEARING ASSEMBLIES 6</p> <p>THE BEARING PLATES ARE RUSTY IN SPOTS.</p>
36a	5	<p>CONCRETE CAPS 5</p> <p>HAIRLINE CRACKS AND SCALING IN FACES .</p> <p>THE TOPS OF CAPS ARE SCALED HEAVILY WITH EXPOSED COARSE AGGREGATE .</p> <p>HAIRLINE MAP CRACKS AND DELAMINATION IN BOTTOM OF CAPS.</p> <p>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.</p> <p>21 IN. DIAMETER X 1 1/2 DEEP SPALL IN BOTTOM OF CAP BETWEEN COLUMN 2 AND COLUMN 3 WITH EXPOSED REBARS.</p> <p>BENT 3</p> <p>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.</p>
36b	7	<p>CONCRETE COLUMNS 7</p> <p>HAIRLINE TO 1/32 IN. WIDE VERTICAL CRACKS IN FACES OF COLUMNS.</p>
36d	6	<p>CONCRETE BACKWALLS WINGWALLS 6</p> <p>HAIRLINE CRACKS AND SCALING IN FACES .</p> <p>THE RETAINING WALL BETWEEN DUAL BRIDGES AT SOUTH END IS LEANING IN 3/4 IN. / 12 IN. AT TOP AND IS SETTLED 4 IN. VERTICALLY.</p>
39	6	<p>SLOPE PROTECTION 6</p>

Item No	Grade	
50	6	<p>GROUNDHOG HOLES IN UNPROTECTED SLOPES. SOME EROSION IN FILL MATERIAL UNDER SPANS 1 AND 5 .</p> <p>VEGETATION AND VINES ARE GROWING AROUND AND UNDER BRIDGE .</p> <p>APPROACH ROADWAY CONDITION 6</p> <p>UNEVENNESS IN APPROACHES MAKES TRAFIC BOUNCE ONTO AND OFF BRIDGE .</p> <p>PATCHES IN BOTH APPROACHES .</p>
52	6	<p>PAINT SYSTEM 6</p> <p>PAINT IS PEELING AND FLAKING</p>

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge 920049

County WARREN

Date 02/10/2006

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

Function Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
556	Bridge approaches, surfacing or pavement replacement or repair	Man-Hours	32	UNEVENNESS IN APPROACHES MAKES TRAFIC BOUNCE ONTO AND OFF BRIDGE .	
583	Maintenance of concrete pier and abutments	Man-Hours	32	21 IN. DIAMETER X 1 1/2 DEEP SPALL IN BOTTOM OF CAP BETWEEN COLUMN 2 AND COLUMN 3 WITH EXPOSED REBARS.	
585	Maintenance of slope and shore devices	Man-Hours	32	GROUNDHOG HOLES IN UNPROTECTED SLOPES. SOME EROSION IN FILL MATERIAL UNDER SPANS 1 AND 5 .	
578	General Maintenance of superstructure	Man-Hours	32	SURFACE TO 1/16 IN. DEEP PITS IN WEBS AROUND END DIAPHRAGM . SURFACE TO 1/8 IN. SECTION LOSS IN FLANGES AROUND BEARINGS. PAINT IS FLAKING AND PEELING OFF STRUCTURAL STEEL COMPONENTS.	

Bridge #: 920049

County: WARREN

Date: 02/10/2006

Condition Photos



MISSING ASPHALT AND PATCHES IN WEARING SURFACE IN WEARING SURFACE IN OF SPAN 1



SPALL IN BAY1 SPAN 1 DIAPHRAGM OTHERS SIMILAR

Bridge #: 920049

County: WARREN

Date: 02/10/2006

Condition Photos



TRANSVERSE CRACK IN BOTTOM OF DECK OF BAY 1 SPAN 1



CRACKED AND SPALLED RIGHT OVERHANG DIAPHRAGM AT BENT 2



SPALL WITH EXPOSED REBAR IN BOTTOM OF CAP OF BENT 3 BETWEEN COLUMN 2 AND COLUMN 3



RUST IN TOP FLANGE OF BEAM 1 SPAN 5



RUST IN ENDS OF BEAM 1 SPAN 4 AND SPAN 5 AT BENT 4



CRACK IN SPAN 5 SIDE OF BENT 4



CRACKS AND PATCHES IN WEARING SURFACE IN WEARING SURFACE OF SPAN 5



CRACKS PATCHES IN WEARING SURFACE AND VOIDS IN ASPHALT WEARING SURFACE OF SPAN 4

SPANS 2 AND 3 SIMILAR

Bridge #: 920049

County: WARREN

Date: 02/10/2006

Condition Photos



SCRAPE DAMAGE IN LEFT SIDE GUARDRAIL

B80028

BRIDGE MAINTENANCE UNIT
DATA ON EXISTING STRUCTURE

RUN DATE 08/01/06

COUNTY: DIV.: DIST.: STRUCTURE NUMBER: LENGTH:
WARREN 05 3 92 0049 223 FEET

ROUTE CARRIED: FEATURE INTERSECTED:
I85 SBL SR1226

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

FUNC. CLASS: SYST.ON: SYST.UNDER: ADT & YR: RAIL TYPE:
IR FA NONFA 12000 04 LT 333 RT 333

BUILT: BY: PROJ: FED.AID PROJ: DESIGN LOAD:
1957 SHC 4950 16686 HS20+MOD

REHAB: BY: PROJ: ALIGNMENT: SKEW: LANES:
TAN. 134 ON 02 UNDER 02

NAVIGATION: HT.CRN.TO BED: WATER DEPTH:
VC --- FT HC ---- FT --- FT --- 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: ENCROACHMENTS: DECK (OUT TO OUT):
7.25 RC/1.5 AWS 031.5

CLEAR ROADWAY: BETWEEN RAILS: SIDEWALK OR CURB:
028.0 028 .0 LT 00.0 RT 00.0

VERT.CL.OVER: VERT.CL.UNDER: HOR.CL.UNDER: SPECIAL PERMIT:
99 FT 99 IN 17 FT 02 IN 44.8 FT

INV.RTG.: OPE.RTG.: CONTR.MEMBER: POSTED:
HS- 19 HS- 32 SV -- TTST -- DATE --

SYSTEM: GREEN LINE ROUTE:
3 INTERSTATE YES

2ND OPENING: 3RD OPENING: 4TH OPENING: 5TH OPENING:

REMARKS:

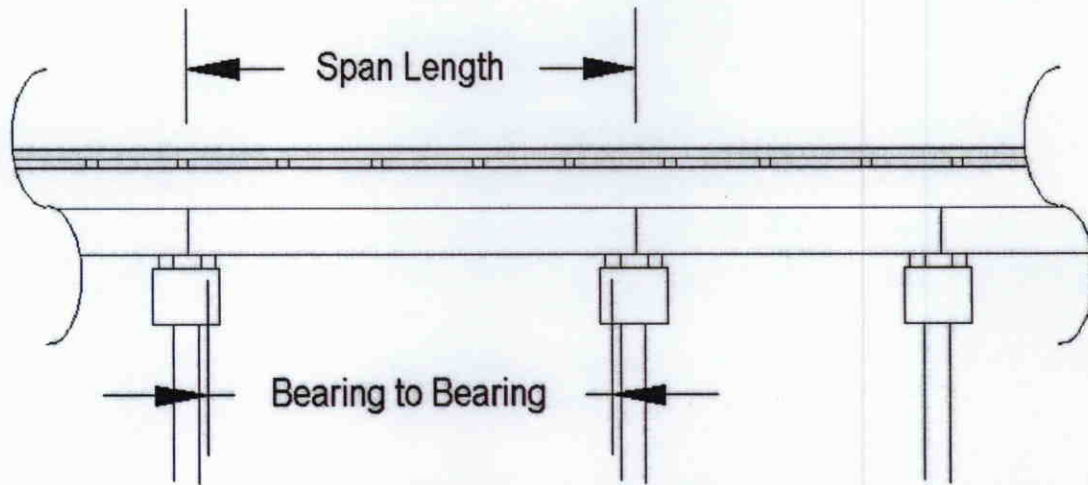
Structure Data Worksheet

Bridge #: 920049

County: WARREN

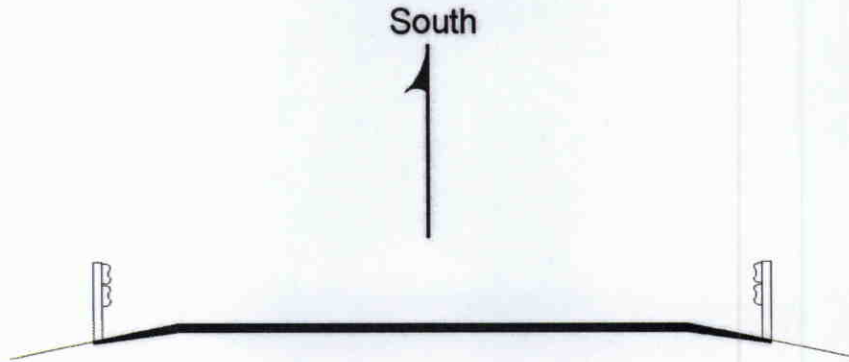
Date: 02/10/2006

By: VMH



Span	Length	Brg to Brg	Comments
1	39.583 ft.		
2	39 ft.		
3	66 ft.		
4	39 ft.		
5	39.583 ft.		

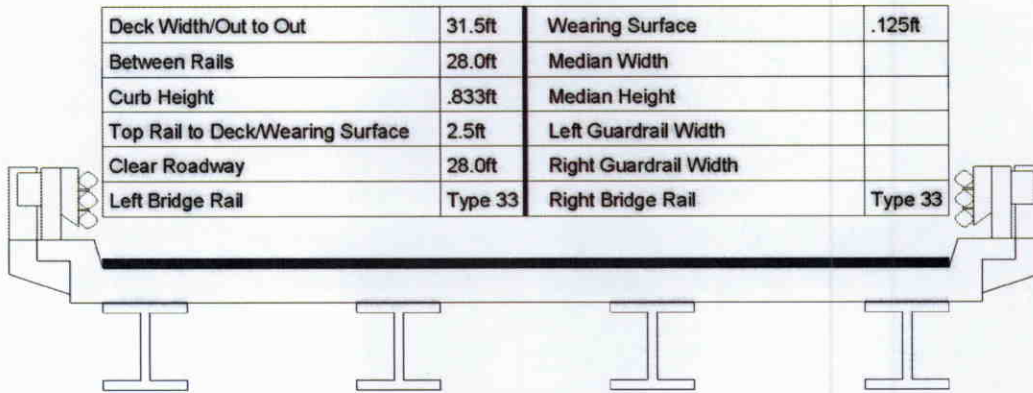
Bridge Inspection Field Sketch



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		

Title APPROACH ROADWAY		Description APPROACH ROADWAY	
Bridge No: 920049	Drawn By: WCM	Date: 01/05/2006	File Name: S0026001750

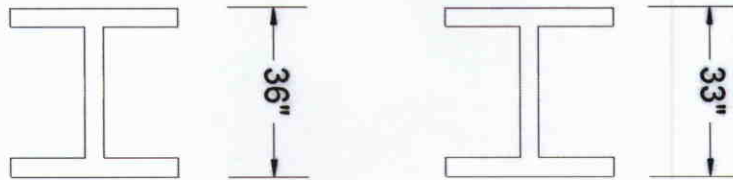
Bridge Inspection Field Sketch



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

SEE PLANS FOR SUBSTRUCTURE DETAILS

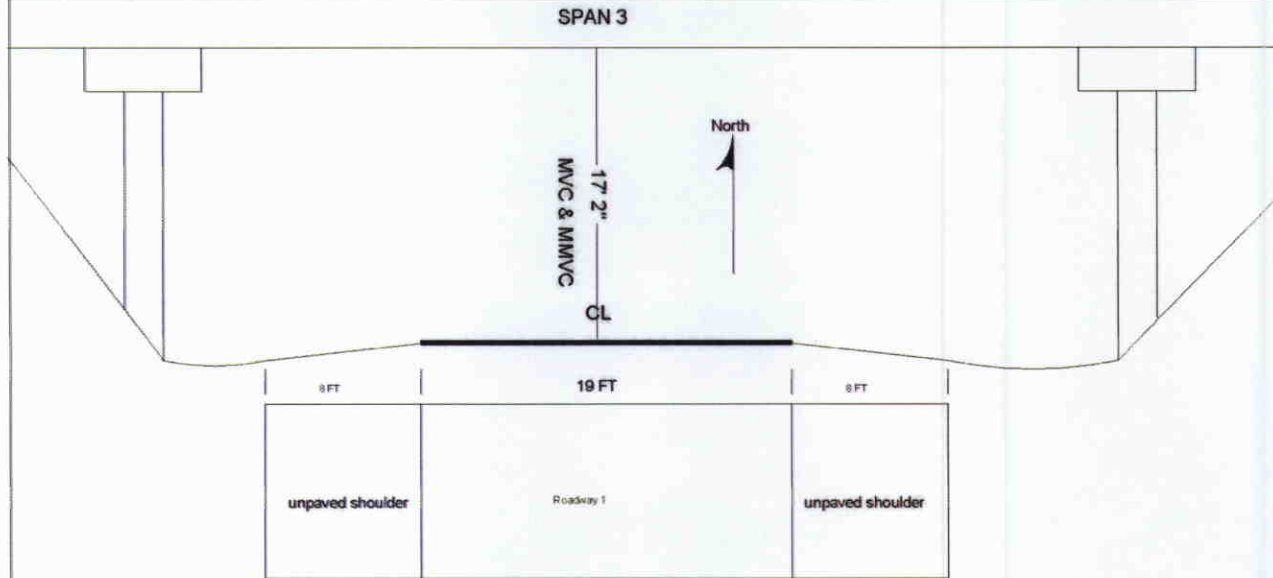


EXTERIOR BEAMS

INTERIOR BEAMS

Title TYPICAL SECTION	Description TYPICAL SECTION
Bridge No: 920049	Drawn By: WCM
Date: 01/05/2006	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 @ 0 Measured From CENTER on Beam No 4
	Minimum Vertical Clearance 17.167 FT @ 0 Measured From CENTER on Beam No 4

Title		Description	
UNDERCLEARANCES		UNDERCLEARANCES	
Bridge No: 920049	Drawn By: WCM	Date: 01/05/2006	File Name: S0026001752

Bridge #: 920049

County: WARREN

Date: 02/10/2006

Structure Photos



LOOKING NORTH



APPROACH 2



END BENT 1



BEARING AT LEFT SIDE OF BENT 1

Bridge #: 920049

County: WARREN

Date: 02/10/2006

Structure Photos



SUPERSTRUCTURE OF SPAN 1

SPAN 5 SIMILAR



END OF BEAM 1 AT END BENT 1

OTHERS AT END BENT 1 SIMILAR



BENT 3 OTHERS SIMILAR



SUPERSTRUCTURE OF SPAN 2 SPANS 3 AND 4 SIMILAR



WEST SIDE LOOKING EAST



END BENT 2

PHOTO 1 OF 2

Bridge #: 920049

County: WARREN

Date: 02/10/2006

Structure Photos



END BENT 2

PHOTO 2 OF 2



EAST SIDE LOOKING WEST

Bridge #: 920049

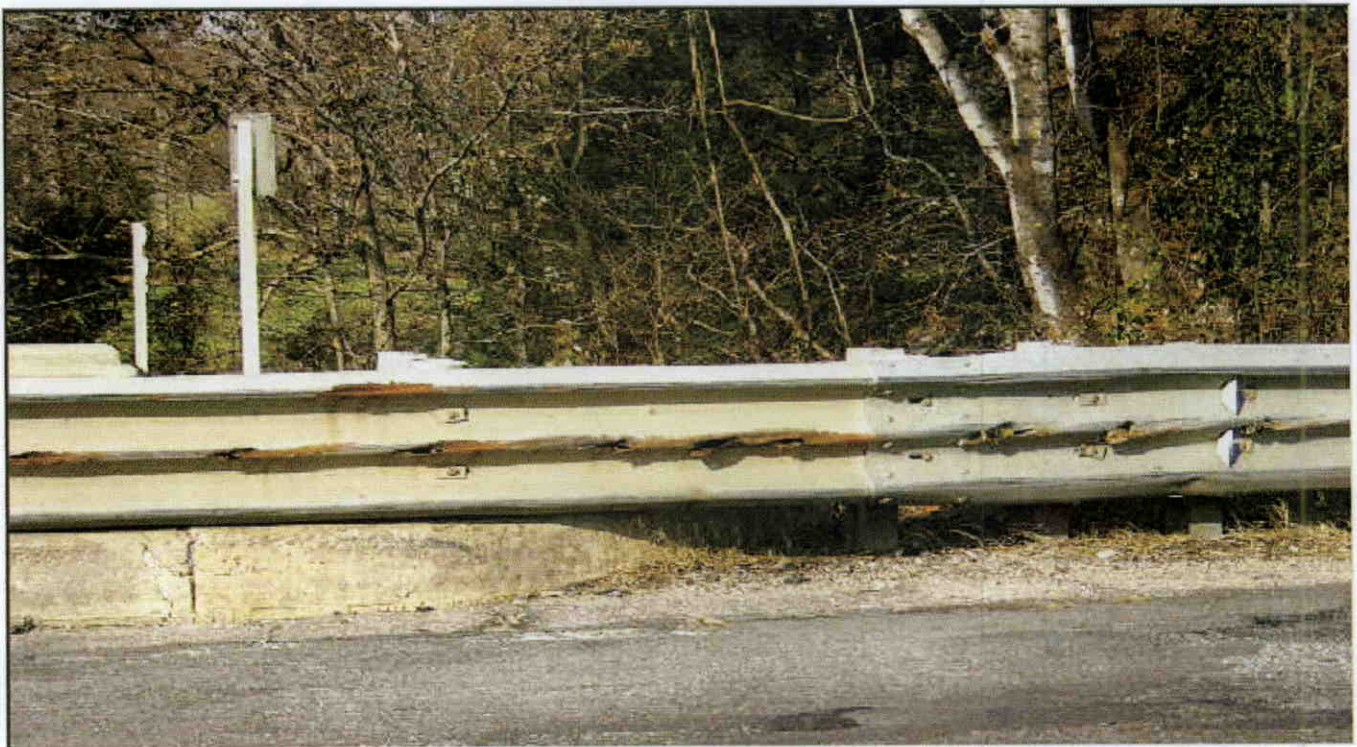
County: WARREN

Date: 02/10/2006

Structure Photos



ASPHALT WEARING SURFACE OVER BENT 4 OTHERS SIMILAR



LEFT GUARDRAIL ATTACHMENT AT END BENT 2 OTHERS SIMILAR



LOOKING SOUTH



RIGHT GUARDRAIL TERMINAL AT APPROACH 2

LEFT SIDE AT APPROACH 2 AND RIGHT SIDE OF APPROACH 1 SIMILAR