



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE-BEAMS; UPDATES MADE
TO APPROACH ROADWAY SKETCH AND TYPICAL
SECTION SKETCH

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: DAVIDSON STRUCTURE NUMBER: 280055 FREQUENCY: 24 MONTHS
FACILITY CARRIED: NC47 MILE POST: _____
LOCATION: 0.3 MI. W. JCT. SR2346
FEATURE INTERSECTED: FLAT SWAMP CREEK
LATITUDE: 35° 41' 11" LONGITUDE: 80° 9' 5.13"
SUPERSTRUCTURE: REINFORCED CONCRETE DECK ON I-BEAMS
SUBSTRUCTURE: E.BENTS:RC CAP ON TIMBER PILES,INT.BENTS:2COL.RC POST & BEAM
SPANS: 3@30'1"
☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION
PRESENT CONDITION: Poor INSPECTION DATE: 01/07/2016
POSTED SV: 22 POSTED TTST: 29
OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING EAST

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>

INSPECTED BY MATTHEW MOYER	SIGNATURE <i>Matthew Moyer</i>	ASSISTED BY DAVID WAGNER
-------------------------------	-----------------------------------	-----------------------------

Span Element Report

Structure Number: 280055

Inspection Date: 01/07/2016

Span Number 1

Span Length 30.0833 Feet

Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	848	648	200	0	0	200	3326
107		Steel Open Girder/Beam	124	0	116	8	0	124	3314
515	107	Steel Protective Coating	752	144	0	600	8	608	3342
215		Reinforced Concrete Abutment	36	36	0	0	0	0	3350
234		Reinforced Concrete Pier Cap	24	24	0	0	0	0	3348
331		Reinforced Concrete Bridge Railing	62	0	62	0	0	62	3318
510		Wearing Surface	722	122	0	600	0	600	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2

Span Length 30.0833 Feet

Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	848	636	210	2	0	212	3326
107		Steel Open Girder/Beam	124	0	108	16	0	124	3314
515	107	Steel Protective Coating	752	336	0	400	16	416	3342
205		Reinforced Concrete Column	2	2	0	0	0	0	3348
234		Reinforced Concrete Pier Cap	23	23	0	0	0	0	3348
301		Pourable Joint Seal	24	24	0	0	0	0	3310
331		Reinforced Concrete Bridge Railing	62	0	55	7	0	62	3318
510		Wearing Surface	722	120	0	602	0	602	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 3

Span Length 30.0833 Feet

Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	848	520	10	318	0	328	3326
107		Steel Open Girder/Beam	124	0	116	8	0	124	3314
515	107	Steel Protective Coating	752	144	0	600	8	608	3342
205		Reinforced Concrete Column	2	2	0	0	0	0	3348
215		Reinforced Concrete Abutment	36	36	0	0	0	0	3350
234		Reinforced Concrete Pier Cap	47	45	0	2	0	2	3348
301		Pourable Joint Seal	24	24	0	0	0	0	3310
331		Reinforced Concrete Bridge Railing	62	0	35	27	0	62	3318
510		Wearing Surface	722	121	0	601	0	601	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantities

Structure Number: 280055

Inspection Date: 01/07/2016

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	848	648	200	0	0	200	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	31	0	31	0	0	31	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	31	0	31	0	0	31	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	722	122	0	600	0	600	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☒ Beam	2	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☒ Beam	3	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☒ Beam	4	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	

Structure Number: 280055

Inspection Date: 01/07/2016

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	848	636	210	2	0	212	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	31	0	27	4	0	31	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	31	0	28	3	0	31	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	722	120	0	602	0	602	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	31	0	27	4	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	84	0	100	4	104	3342	
☒ Beam	2	107	Steel Open Girder/Beam	31	0	27	4	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	84	0	100	4	104	3342	
☒ Beam	3	107	Steel Open Girder/Beam	31	0	27	4	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	84	0	100	4	104	3342	
☒ Beam	4	107	Steel Open Girder/Beam	31	0	27	4	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	84	0	100	4	104	3342	
☐ Expansion Joints	1	301	Pourable Joint Seal	24	24	0	0	0	0	3310	☐ Requested

Structure Number: 280055

Inspection Date: 01/07/2016

Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	848	520	10	318	0	328	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	31	0	14	17	0	31	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	31	0	21	10	0	31	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	722	121	0	601	0	601	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☒ Beam	2	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☒ Beam	3	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☒ Beam	4	107	Steel Open Girder/Beam	31	0	29	2	0	31	3314	☐ Requested
Protective System		515	Steel Protective Coating	188	36	0	150	2	152	3342	
☐ Expansion Joints	1	301	Pourable Joint Seal	24	24	0	0	0	0	3310	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 280055

Inspection Date: 01/07/2016

Span Number 1

Span	1	Deck	1	Component Name:	Reinforced Concrete Deck					
------	---	------	---	-----------------	--------------------------	--	--	--	--	--

Element: 12 Name Reinforced Concrete Deck Qty: 848 Lvl 2: 200 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 200

Defect Description:

200 SF. OF EFFLORESCENCE WITH TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS IN BOTTOM OF DECK
END DIAPHRAGM BAY 1 AT BENT 1: 3 FT. LONG TRANSVERSE CRACK 1/16" WIDE WITH EFFLORESCENCE
END DIAPHRAGM SOUTH OVERHANG AT BENT 1: 12" X 3" X 1" DEEP SPALL WITH EXPOSED REBAR

Span	1	Bridge Rail	1	Component Name:	Concrete Railing					
------	---	-------------	---	-----------------	------------------	--	--	--	--	--

Element: 331 Name Reinforced Concrete Bridge Ra Qty: 31 Lvl 2: 31 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 31

Defect Description:

31 FT. OF SCALING WITH EXPOSED COARSE AGGREGATE IN RAIL AND CURB

Span	1	Bridge Rail	2	Component Name:	Concrete Railing					
------	---	-------------	---	-----------------	------------------	--	--	--	--	--

Element: 331 Name Reinforced Concrete Bridge Ra Qty: 31 Lvl 2: 31 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 31

Defect Description:

31 FT. OF SCALING WITH EXPOSED COARSE AGGREGATE IN RAIL AND CURB

Span	1	Wearing Surfaces		Component Name:	Asphalt Wearing Surface					
------	---	------------------	--	-----------------	-------------------------	--	--	--	--	--

Element: 510 Name Wearing Surface Qty: 722 Lvl 2: 0 Lvl 3: 600 Lvl 4: 0 Maint. Qty: 600

Defect Description:

600 SF. OF ALLIGATOR CRACKING

Span	1	Beam	1	Component Name:	Plate Girder					
------	---	------	---	-----------------	--------------	--	--	--	--	--

Element: 107 Name Steel Open Girder/Beam Qty: 31 Lvl 2: 29 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 31

Defect Description:

2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
IN WEB AT BENT 1
2 SF. OF PEELING PAINT ON FLANGES AND WEB
29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	1	Beam	2	Component Name:	Plate Girder					
------	---	------	---	-----------------	--------------	--	--	--	--	--

Element: 107 Name Steel Open Girder/Beam Qty: 31 Lvl 2: 29 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 31

Defect Description:

2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
IN WEB AT BENT 1
2 SF. OF PEELING PAINT ON FLANGES AND WEB
29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	1	Beam	3	Component Name:	Plate Girder					
------	---	------	---	-----------------	--------------	--	--	--	--	--

Element: 107 Name Steel Open Girder/Beam Qty: 31 Lvl 2: 29 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 31

Defect Description:

2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
IN WEB AT BENT 1
2 SF. OF PEELING PAINT ON FLANGES AND WEB
29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	1	Beam	4	Component Name:	Plate Girder					
------	---	------	---	-----------------	--------------	--	--	--	--	--

Element: 107 Name Steel Open Girder/Beam Qty: 31 Lvl 2: 29 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 31

Defect Description:

Structure Number: 280055

Inspection Date: 01/07/2016

2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1
 2 SF. OF PEELING PAINT ON FLANGES AND WEB
 29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span Number 2

Span	2	Deck	1	Component Name:	Reinforced Concrete Deck				
------	---	------	---	-----------------	--------------------------	--	--	--	--

Element:	12	Name	Reinforced Concrete Deck	Qty:	848	Lvl 2:	210	Lvl 3	2	Lvl 4	0	Maint. Qty	212
----------	----	------	--------------------------	------	-----	--------	-----	-------	---	-------	---	------------	-----

Defect Description:

24" X 10" X 1" DEEP SPALL IN TOP OF DECK IN EASTBOUND LANE, 3 FT. FROM BENT 1
 200 SF. OF EFFLORESCENCE WITH TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS IN BOTTOM OF DECK
 END DIAPHRAGM SOUTH OVERHANG AT BENT 1: 14" X 4" X 3" DEEP SPALL WITH EXPOSED REBAR
 10 SF. AREA WITH MULTIPLE SPALLS WITH EXPOSED UP TO 4" DIAMETER X 1/2" DEEP IN BOTTOM OF DECK NORTH
 AND SOUTH OVERHANG

Span	2	Bridge Rail	1	Component Name:	Concrete Railing				
------	---	-------------	---	-----------------	------------------	--	--	--	--

Element:	331	Name	Reinforced Concrete Bridge Ra	Qty:	31	Lvl 2:	27	Lvl 3	4	Lvl 4	0	Maint. Qty	31
----------	-----	------	-------------------------------	------	----	--------	----	-------	---	-------	---	------------	----

Defect Description:

40" X 7" X 1/4" DEEP AREA OF SCALING IN CURB 8 FT. FROM BENT 1
 27 FT. OF SCALING WITH EXPOSED COARSE AGGREGATE IN RAIL AND CURB

Span	2	Bridge Rail	2	Component Name:	Concrete Railing				
------	---	-------------	---	-----------------	------------------	--	--	--	--

Element:	331	Name	Reinforced Concrete Bridge Ra	Qty:	31	Lvl 2:	28	Lvl 3	3	Lvl 4	0	Maint. Qty	31
----------	-----	------	-------------------------------	------	----	--------	----	-------	---	-------	---	------------	----

Defect Description:

36" X 7" X 1/4" DEEP AREA OF SCALING IN CURB 8 FT. FROM BENT 1
 28 FT. OF SCALING WITH EXPOSED COARSE AGGREGATE IN RAIL AND CURB

Span	2	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
------	---	------------------	--	-----------------	-------------------------	--	--	--	--

Element:	510	Name	Wearing Surface	Qty:	722	Lvl 2:	0	Lvl 3	602	Lvl 4	0	Maint. Qty	602
----------	-----	------	-----------------	------	-----	--------	---	-------	-----	-------	---	------------	-----

Defect Description:

24" X 10" X FULL DEPTH POTHOLE IN EASTBOUND LANE, 3 FT. FROM BENT 1
 600 SF. OF ALLIGATOR CRACKING

Span	2	Beam	1	Component Name:	Plate Girder				
------	---	------	---	-----------------	--------------	--	--	--	--

Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	27	Lvl 3	4	Lvl 4	0	Maint. Qty	31
----------	-----	------	------------------------	------	----	--------	----	-------	---	-------	---	------------	----

Defect Description:

2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
 IN WEB AT BENT 1
 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
 IN WEB AT BENT 2
 4 SF. OF PEELING PAINT ON FLANGES AND WEB
 27 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 100 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	2	Beam	2	Component Name:	Plate Girder				
------	---	------	---	-----------------	--------------	--	--	--	--

Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	27	Lvl 3	4	Lvl 4	0	Maint. Qty	31
----------	-----	------	------------------------	------	----	--------	----	-------	---	-------	---	------------	----

Defect Description:

2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
 IN WEB AT BENT 1
 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP
 IN WEB AT BENT 2
 4 SF. OF PEELING PAINT ON FLANGES AND WEB
 27 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 100 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	2	Beam	3	Component Name:	Plate Girder				
------	---	------	---	-----------------	--------------	--	--	--	--

Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	27	Lvl 3	4	Lvl 4	0	Maint. Qty	31
----------	-----	------	------------------------	------	----	--------	----	-------	---	-------	---	------------	----

Defect Description:

2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1
 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2
 4 SF. OF PEELING PAINT ON FLANGES AND WEB
 27 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 100 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	2	Beam	4	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	27	Lvl 3	4	Lvl 4	0	Maint. Qty	31

Defect Description:

2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1
 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2
 4 SF. OF PEELING PAINT ON FLANGES AND WEB
 27 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 100 SF. OF PEELING PAINT ON FLANGES AND WEB

Span Number 3

Span	3	Deck	1	Component Name:		Reinforced Concrete Deck							
Element:	12	Name	Reinforced Concrete Deck	Qty:	848	Lvl 2:	10	Lvl 3	318	Lvl 4	0	Maint. Qty	328

Defect Description:

24" X 6" X 4" DEEP, 48" X 6" X 12" DEEP AND 24" X 6" X 6" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF DECK SOUTH OVERHANG
 300 SF. OF EFFLORESCENCE WITH TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS IN BOTTOM OF DECK
 72" X 18" X 6" DEEP AND 24" X 4" X 3" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF DECK NORTH OVERHANG
 END DIAPHRAGM BAY 1 AT BENT 2: 3 FT. LONG TRANSVERSE CRACK 1/16" WIDE WITH EFFLORESCENCE
 END DIAPHRAGM BAY 3 AT BENT 2: 3 FT. LONG TRANSVERSE CRACK 1/16" WIDE WITH EFFLORESCENCE
 10 SF. AREA WITH MULTIPLE SPALLS WITH EXPOSED UP TO 4" DIAMETER X 1/2" DEEP IN BOTTOM OF DECK NORTH AND SOUTH OVERHANG

Span	3	Bridge Rail	1	Component Name:		Concrete Railing							
Element:	331	Name	Reinforced Concrete Bridge Ra	Qty:	31	Lvl 2:	14	Lvl 3	17	Lvl 4	0	Maint. Qty	31

Defect Description:

17 FT. X 7" X 1/4" DEEP AREA OF SCALING IN CURB NEAR MID SPAN
 14 FT. OF SCALING WITH EXPOSED COARSE AGGREGATE IN RAIL AND CURB

Span	3	Bridge Rail	2	Component Name:		Concrete Railing							
Element:	331	Name	Reinforced Concrete Bridge Ra	Qty:	31	Lvl 2:	21	Lvl 3	10	Lvl 4	0	Maint. Qty	31

Defect Description:

120" X 7" X 1/4" DEEP AREA OF SCALING IN CURB AT MID SPAN
 21 FT. OF SCALING WITH EXPOSED COARSE AGGREGATE IN RAIL AND CURB

Span	3	Wearing Surfaces			Component Name:		Asphalt Wearing Surface							
Element:	510	Name	Wearing Surface		Qty:	722	Lvl 2:	0	Lvl 3	601	Lvl 4	0	Maint. Qty	601

Defect Description:

600 SF. OF ALLIGATOR CRACKING
 8" DIAMETER X FULL DEPTH POTHOLE IN EAST BOUND LANE 5 FT. FROM END BENT 2

Span	3	Beam	1	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	29	Lvl 3	2	Lvl 4	0	Maint. Qty	31

Defect Description:

2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2

Structure Number: 280055

Inspection Date: 01/07/2016

2 SF. OF PEELING PAINT ON FLANGES AND WEB
 29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	3	Beam	2	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	29	Lvl 3	2	Lvl 4	0	Maint. Qty	31
Defect Description:													

2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2
 2 SF. OF PEELING PAINT ON FLANGES AND WEB
 29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	3	Beam	3	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	29	Lvl 3	2	Lvl 4	0	Maint. Qty	31
Defect Description:													

2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2
 2 SF. OF PEELING PAINT ON FLANGES AND WEB
 29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 150 SF. OF PEELING PAINT ON FLANGES AND WEB

Span	3	Beam	4	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	31	Lvl 2:	29	Lvl 3	2	Lvl 4	0	Maint. Qty	31
Defect Description:													

2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2
 2 SF. OF PEELING PAINT ON FLANGES AND WEB
 29 FT. OF FRECKLED RUST AND SURFACE CORROSION ON FLANGES AND WEB
 150 SF. OF PEELING PAINT ON FLANGES AND WEB

Substructure Detailed Element Quantities

Structure Number: 280055

Inspection Date: 01/07/2016

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	24	24	0	0	0	0	3348	☐ Requested
☒ Abutments	1	215	Reinforced Concrete Abutment	36	36	0	0	0	0	3350	☐ Requested

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	23	23	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	1	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	2	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	23	21	0	2	0	2	3348	☐ Requested
☒ Piles and Columns	1	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	2	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	24	24	0	0	0	0	3348	☐ Requested
☒ Abutments	1	215	Reinforced Concrete Abutment	36	36	0	0	0	0	3350	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 280055

Inspection Date: 01/07/2016

Bent 2

Bent 2	Row 1	Caps	1
--------	-------	------	---

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 23 **Lvl 2:** 0 **Lvl 3** 2 **Lvl 4** 0 **Maint. Qty** 2

Defect Description:

10 " X 4" X 1" DEEP SPALL WITH EXPOSED REBAR IN EAST FACE UNDER BEAM 3
12 " X 3" X 1" DEEP SPALL WITH EXPOSED REBAR IN EAST FACE AT NORTH END

National Bridge and NC Inspection Items

Structure Number: 280055

Inspection Date: 01/07/2016

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	4
Item 59: Superstructure	0 - 9 , N	4
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	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C		0	3350
Field Scour Evaluation		O		
Drift	G, F, P, or C	P	40	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	8		

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	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 280055

Inspection Date: 01/07/2016

Item	Priority	Maintenance Issued	Grade	Y	Maint Code	Qty.	0
Details	Span 1 Beam 1:	2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 1 Beam 2:	2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 1 Beam 3:	2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 1 Beam 4:	2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 2 Beam 1:	2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 2 Beam 1:	2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 2 Beam 2:	2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 2 Beam 2:	2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 2 Beam 3:	2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 2 Beam 3:	2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 2 Beam 4:	2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1					
	Span 2 Beam 4:	2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 3 Beam 1:	2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 3 Beam 2:	2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 3 Beam 3:	2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					
	Span 3 Beam 4:	2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2					

Item	Presently Posted	Grade	Y	Maint Code		Qty.	0
Details	SV 22 TTST 29						

Item	Drift	Grade	P	Maint Code	3366	Qty.	40
Details	14" DIAMETER TREE AND DEBRIS UNDER SPAN 1 20 CY OF DRIFT 200 FT. DOWNSTREAM OF BRIDGE						



Span 1 Wearing Surface: 600 SF. OF ALLIGATOR CRACKING



Span 2 Wearing Surface: 24" X 10" X FULL DEPTH POTHOLE IN EASTBOUND LANE, 3 FT. FROM BENT 1



Span 3 Left Bridge Rail: 17 FT. X 7" X 1/4" DEEP AREA OF SCALING IN CURB NEAR MID SPAN



Span 3 Wearing Surface: 8" DIAMETER X FULL DEPTH POT HOLE IN EAST BOUND LANE 5 FT. FROM END BENT



14" DIAMETER TREE AND DEBRIS UNDER SPAN 1



20 CY OF DRIFT 200 FT. DOWNSTREAM OF BRIDGE



Span 1 Beam 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 2 Beam 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 1 Beam 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 2 Beam 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 1 Beam 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 2 Beam 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 2 Beam 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 1 Beam 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



Span 3 Deck: 24" X 6" X 4" DEEP, 48" X 6" X 12" DEEP AND 24" X 6" X 6" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF DECK EAST OVERHANG



Span 2 Beam 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 2 Beam 1: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 2 Beam 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 2 Beam 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 3 Beam 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 3 Beam 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 3 Beam 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 3 Beam 1: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



Span 3 Deck: 72" X 18" X 6" DEEP AND 24" X 4" X 3" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF DECK NORTH OVERHANG



LOOKING EAST



POSTING SIGN AT SOUTHWEST CORNER



DOWNSTREAM PROFILE



NORTH BRIDGE RAIL, SOUTH BRIDGE RAIL SIMILAR



UPSTREAM PROFILE



LOOKING UPSTREAM, NORTH



LOOKING DOWNSTREAM, SOUTH



LOOKING WEST



POSTING SIGN AT NORTHEAST CORNER



END BENT 1



BENT 2, BENT 1 SIMILAR



TYPICAL SUPERSTRUCTURE, SPAN 2 SHOWN



TYPICAL BEARING, BEAM 3 AT BENT 1 SHOWN



END BENT 2

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

Run Date: 05/26/2016

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	280055		SUFFICIENCY RATING =		36.16	
(8) STRUCTURE NUMBER(FEDERAL)		00000000570055		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31000470					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	57	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	FLAT SWAMP CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	NC47			(26) FUNCTIONAL CLASS -	Major Collector	07	
(9) LOCATION	0.3 MI. W. JCT. SR2346			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	35° 41' 11.00"	(17)LONG	80° 9' 5.13"	(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO				(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				CONDITION			
(43) STRUCTURE TYPE MAIN:	Steel			(58) DECK		4	
TYPE -	Stringer Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE		4	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		7	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		7	
(45) NUMBER OF SPANS IN MAIN UNIT			3	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	1	CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	HS 15	3	
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Load Factor	1	
(B) TYPE OF MEMBRANE	-	CODE		(64) OPERATING RATING -	HS-20	36	
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-12	21	
				(70) BRIDGE POSTING -	Posting Required	2	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1950	(67) STRUCTURAL EVALUATION		4	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		4	
(42) TYPE OF SERVICE : ON -	Highway			(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER - Waterway		CODE	15	(71) WATERWAY ADEQUACY		7	
(28) LANES: ON STRUCTURE	2 UNDER STRUCTURE		0	(72) APPROACH ROADWAY ALIGNMENT		8	
(29) AVERAGE DAILY TRAFFIC			1200	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2013	(109) TRUCK ADT PCT	7%	(113)SCOUR CRITICAL BRIDGES		8	
(19) BYPASS OR DETOUR LENGTH			2 MI				
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN			29 FT	(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH			90 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT	1 FT RIGHT		1 FT	(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			24 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT			28.167 FT	(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			21 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN -	No Median	CODE	0	(114)FUTURE ADT	2400	(115) YEAR FUTURE ADT	2025
(34) SKEW	0°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	INSPECTIONS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			24 FT	(90) INSPECTION DATE		01/07/2016	
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		0 FT	A) FRACTURE CRIT DETAIL -	NO	A)	
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad		000 FT	B) UNDERWATER INSP -	NO	B)	
(56) MIN LAT UNDERCLEAR LT REF -			000 FT	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: 05/26/2016

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
DAVIDSON	9	1	280055	90	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
NC47	FLAT SWAMP CREEK

LOCATED :	BRIDGE NAME :	CITY :
0.3 MI. W. JCT. SR2346		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
07	FA	NFA	1200 2013	LT 181 RT 181

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1950	SHPWC	6-156	S-378(1)	HS 15

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	90	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		15 FT		1		FT

SUPERSTRUCTURE :	REINFORCED CONCRETE DECK ON I-BEAMS
------------------	-------------------------------------

SUBSTRUCTURE :	E.BENTS:RC CAP ON TIMBER PILES,INT.BENTS:2COL.RC POST & BEAM
----------------	--

SPANS :	3@30'1"
---------	---------

BEAMS OR GIRDERS :	4 LINES OF W21X68 I-BEAMS @ 6'9" CENTERS
--------------------	--

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
5.75"RC,3.0"AWS		28.167 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24 FT	26 FT	LT 1 FT RT 1 FT

VERT.CL.OVER :	
999.9 FT	

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :				
HS-12	HS-20	Span B Int	SV 22	TTST 29	DATE	02/11/2009	

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

Date:

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	2	Span 1 Beam 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

Date:

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	2	Span 2 Beam 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	
 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	
 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	
 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	
 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 1: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 1 Beam 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055 County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 1 Beam 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 3
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 1 Beam 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 3
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 4
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 4
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 1 Beam 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 1: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 3
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	BEAM 4
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 2 Beam 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 3	BEAM 4
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 3 Beam 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 3	BEAM 3
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 3 Beam 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280055

County DAVIDSON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 3	BEAM 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 3 Beam 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 3	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/15/2016	MATTHEW MOYER	DAVID WAGNER
Details		
Span 3 Beam 1: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2		



SPAN 1 BEAM 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 2 BEAM 1: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 1 BEAM 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 2 BEAM 2: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 1 BEAM 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 2 BEAM 3: 2 FT. OF CORROSION WITH 3/8" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 2 BEAM 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 1 BEAM 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER
PITTING 1/16" DEEP IN WEB AT BENT 1



SPAN 2 BEAM 1: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



SPAN 2 BEAM 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



SPAN 2 BEAM 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



SPAN 2 BEAM 4: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



SPAN 3 BEAM 4: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER
PITTING 1/16" DEEP IN WEB AT BENT 2



SPAN 3 BEAM 3: 2 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2



SPAN 3 BEAM 2: 2 FT. OF CORROSION WITH 1/4" REMAINING SECTION IN BOTTOM FLANGE AND PAINTED OVER PITTING 1/16" DEEP IN WEB AT BENT 2

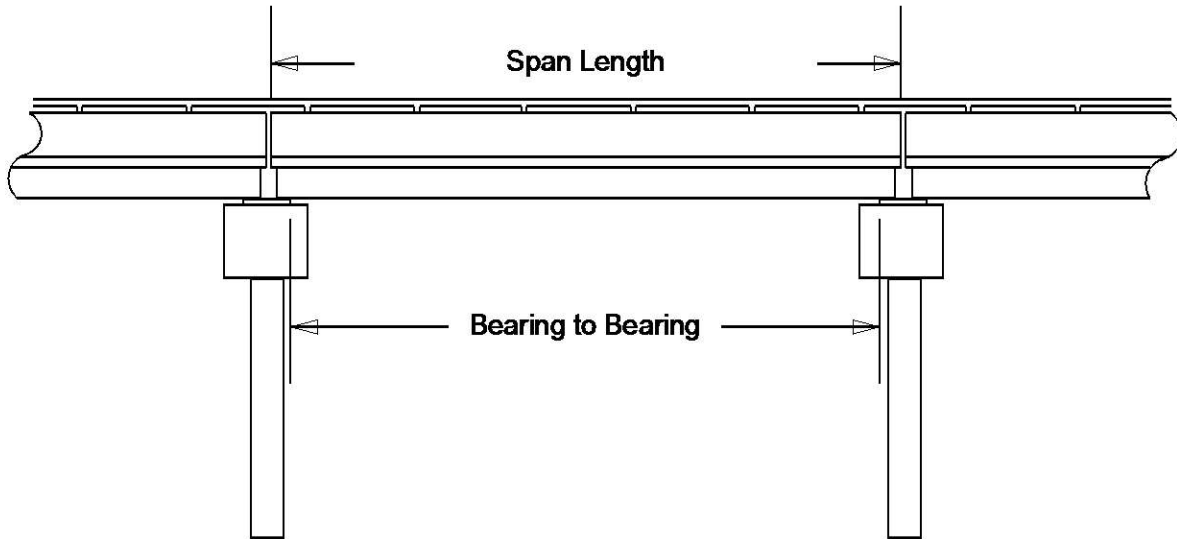


SPAN 3 BEAM 1: 2 FT. OF CORROSION WITH BOTTOM FLANGE TO KNIFES EDGE AND PAINTED OVER
PITTING 1/16" DEEP IN WEB AT BENT 2

Structure Data Worksheet

Spans

County: DAVIDSON Structure No: 280055 Date: _____ Inspected By: MJM



Span No	Span Length	Bearing to Bearing	Comments
1	30.083	28.5	NBIS BRIDGE LENGTH = 85.75 FT.
2	30.083	29.25	MEASUREMENTS VERIFIED 1/7/2015 BY MJM
3	30.083	28.5	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 280055 County: DAVIDSON Date: _____ By: MJM

Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: _____ Location of Highwater Mark: _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.5	TOP OF DECK			
1	4.7	Top of Cap			
2	6.5	END BENT 1	2	5.8	END BENT 1
7	7.3				
24	13.5				
25	14.3				
30.1	17.6	BENT 1	30.1	14.3	BENT 1
30.11	17.6	Water Surface/Water Edge (WSWE)			
42	17.8				
53	17.6	Water Surface/Water Edge (WSWE)			
60.2	15.5	BENT 2	60.2	15.3	BENT 2
69	12.4				
70	11.4				
83	7.7				
89	6.9	END BENT 2	89	6.5	END BENT 2
90	4.7	Top of Cap			
91	2.5	TOP OF DECK			

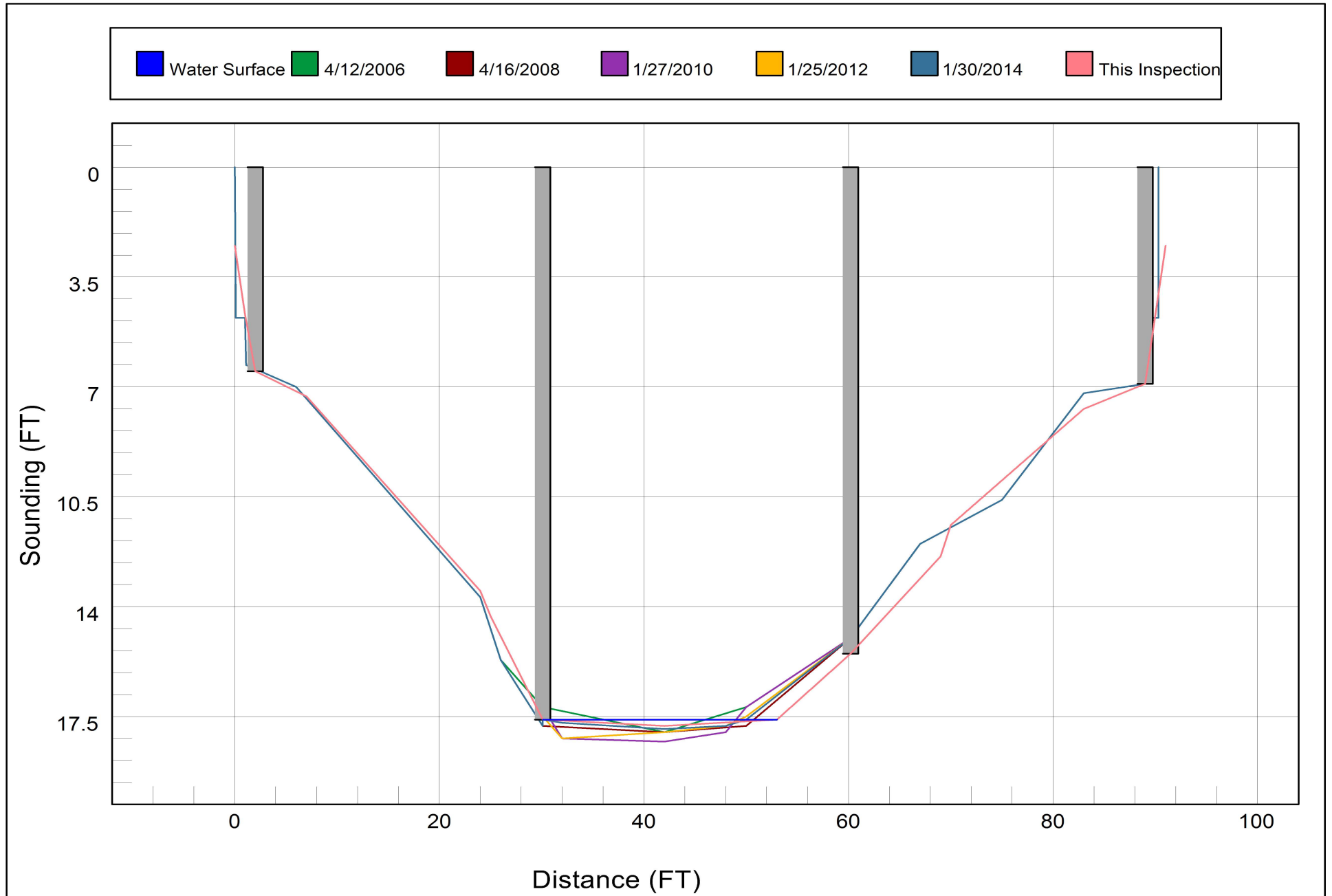
Bridge: 280055

County DAVIDSON

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

NC-47

Roadway	21ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	4ft Wide		4ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS UPDATED 1/7/2015 BY MJM

Title

APPROACH ROADWAY

Description

SHEET 1

Bridge No: 280055

Drawn By: BTH

Date: 04/16/08

File Name: S0090001112

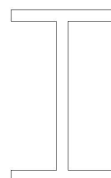
Bridge Inspection Field Sketch

Deck Width/Out to Out	28.167ft	Between Rails		26ft
Clear Roadway	24ft	Wearing Surface		0.25ft
Median Width		Median Height		
Curb Height		Left	0.583ft	Right 0.583ft
Sidewalk Width		Left		Right
Clear Roadway (Rail to Median)		Left		Right
Guardrail Width		Left	0.875ft	Right 0.875ft
Top of Rail to Deck/Wearing Surface		Left	2.5ft	Right 2.5ft
Bridge Rail		Left	Type 18	Right Type 18

Measurements for Span #	1		
Deck Thickness	0.48	Left Overhang	3.959
Top of Rail to Bottom of Beam	4.75	Right Overhang	3.959

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	6.75ft	
2	Steel I Beam	6.75ft	
3	Steel I Beam	6.75ft	
4	Steel I Beam	ft	

ABUTS: RC CAPS & TIMBER PILES. PIERS: 2 COL. RCP&B PIERS.

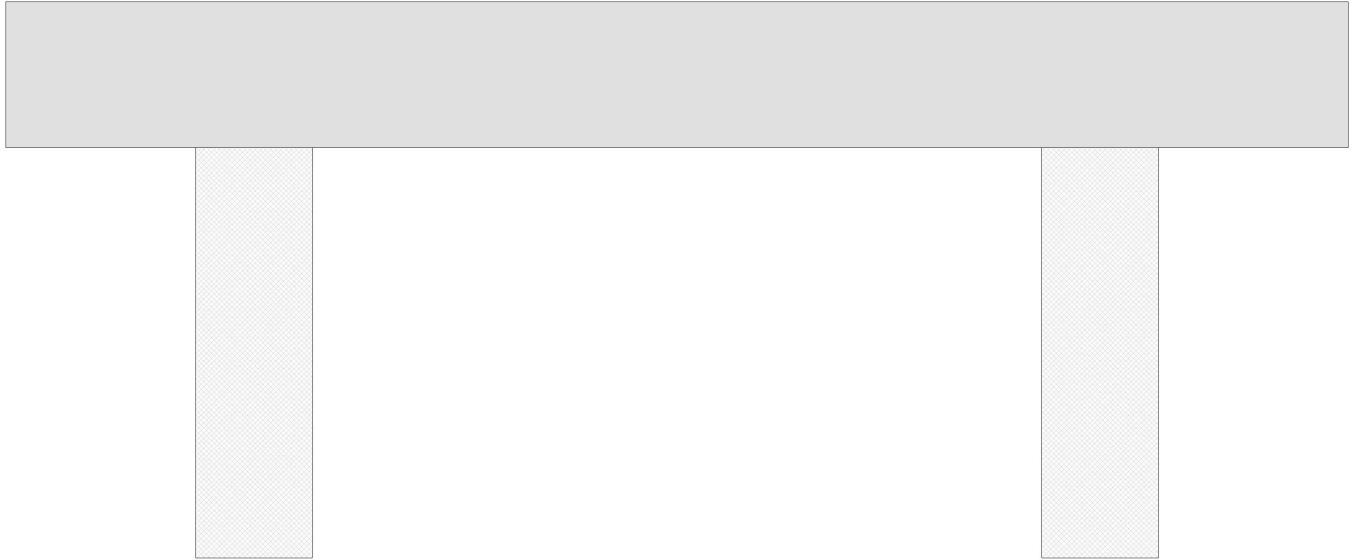


I-BEAMS	WIDTH	HEIGHT	WEB	FLANGE
ALL	0.687 ft.	1.771 ft.	0.450"	0.735"

MEASUREMENTS UPDATED 1/7/2015 BY MJM

Title SUPERSTRUCTURE		Description SHEET 2	
Bridge No: 280055	Drawn By: BTH	Date: 04/16/08	File Name: S0090001113

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.				
23.000 ft.	2.500 ft.	2.500 ft.	4.250 ft.	4.250 ft.	1.417 ft.	1.417 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	14.5 ft.	2.0 ft.	2.0 ft.		Vertical	No	No	No	No
2	Concrete		2.0 ft.	2.0 ft.		Vertical	No	No	No	No
MEASUREMENTS VERIFIED 1/7/2015 BY MJM										
Bent/Abutment #: 1			Similar Bents: 1							

Title

PIERS

Description

SHEET 3

Bridge No: 280055

Drawn By: BTH

Date: 4/16/2008

File Name: S0090002766