



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCE ISSUED, TEMPORARY REPAIRS**

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: MADISON STRUCTURE NUMBER: 560009 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC251 SBL MILE POST:

LOCATION: .01 MI.S.JCT.US25,70

FEATURE INTERSECTED: IVY CREEK

LATITUDE: 35° 46' 36.13" LONGITUDE: 82° 38' 51.99"

SUPERSTRUCTURE: RCDG(14.667' BRG.RDWAY OPEN TO TRAFFIC, OTHER PORTION RDWAY. CLOSED)

SUBSTRUCTURE: E.BTS:RC CAPS/H-PIPES;INT.BTS:RC POST&BEAM

1 @ 47'-11"; 1 @ 47'-5"; 1 @ 47'-11"; 1 @ 47'-10"; 1 @ 47'-11"

SPANS: 1 @ 47'-11"; 1 @ 47'-5"; 1 @ 47'-11"; 1 @ 47'-10"; 1 @ 47'-11"

☐ FRACTURE CRITICAL ☒ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

PRESENT CONDITION: Good INSPECTION DATE: 06/03/2016

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: 2 DELINEATORS



LOOKING NORTH

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

INSPECTED BY KENNETH WING	SIGNATURE <i>Kenneth Wing</i>	ASSISTED BY WESLEY SKINNER
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Structure Element Scoring

Structure Number: **560009**

Inspection Date **6/3/2016**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	7533	5945	813	775	0
110	0	Reinforced Concrete Open Girder/Beam	Beam	960	519	275	166	0
205	0	Reinforced Concrete Column	Piles and Columns	8	2	1	5	0
215	0	Reinforced Concrete Abutment	Abutments	82	76	0	6	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	24	0	24	0	0
234	0	Reinforced Concrete Pier Cap	Caps	214	65	2	147	0
301	0	Pourable Joint Seal	Expansion Joints	148	148	0	0	0
316	0	Other Bearings	Bearing Device	40	4	0	36	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	480	379	19	82	0
510	0	Wearing Surface	Wearing Surfaces	6335	3850	101	2384	0

Element Structure Maintenance Quantities

Structure Number: **560009**

Inspection Date **06/03/2016**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	6	82	0	6	0	76
Beam	3306	Maintenance Concrete Superstructure Components	441	960	0	166	275	519
Bearing Device	3334	Bridge Bearing	36	40	0	36	0	4
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	101	480	0	82	19	379
Caps	3348	Maintenance of Concrete Substructure	272	214	0	147	2	65
Deck	3326	Maintenance of Concrete Deck	1588	7533	0	775	813	5945
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	148	0	0	0	148
Footing	3348	Maintenance of Concrete Substructure	24	24	0	0	24	0
Piles and Columns	3348	Maintenance of Concrete Substructure	213	8	0	5	1	2
Wearing Surfaces	2816	Asphalt Surface Repair	2485	6335	0	2384	101	3850

Element Condition and Maintenance Data

Structure Number: **560009**

Inspection Date: **06/03/2016**

Span 1

Reinforced Concrete Deck 1

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,512	977	173	362	0 Square Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG UNDERSIDE OF DECK
 SPALL 35 FT X 2 FT X UP TO 8" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE
 SPALL 8 FT X 5 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, 15 FT FROM END BENT 1, BAY 1, PRIORITY MAINTENANCE
 DELAMINATION 6 FT X 8 FT ALONG UNDERSIDE OF DECK, BAY 1, BETWEEN SPALL AND INTERMEDIATE DIAPHRAGM
 HEAVY EFFLORESCENCE AND RUST STAINING SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS
 FORMWORK FOR PATCH, 7 FT X 5.5 FT, 11 FT FROM END BENT 1, BAY 2
 SPALL 9 FT X 7 FT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, AND HONEYCOMBING, NEAR MIDSPAN, BAY 2, PRIORITY MAINTENANCE
 FORMWORK FOR PATCH, 5 FT X 8 FT, 15 FT FROM BENT 1, BAY 3
 SPALL 3 FT X 6" X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ADJACENT TO PATCH FORMWORK IN BAY, PRIORITY MAINTENANCE
 SCATTERED EXPOSED REBAR UP TO 6", NO SECTION LOSS, THROUGHOUT UNDERSIDE OF RIGHT OVERHANG

Span 1

Reinforced Concrete Girder 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	0	10	38	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 SPALL FULL WIDTH BOTTOM FLANGE X UP TO 16" HIGH ALONG BOTH FACES AND UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, FROM MIDSPAN TO END BENT 1, PRIORITY MAINTENANCE
 HEAVY EFFLORESCENCE BUILDUP FOR 15 FT ALONG BOTTOM NEAR MIDSPAN
 DELAMINATION ALONG WEST FACE ABOVE SPALL UP TO FULL HEIGHT FOR 27 FT FROM END BENT 1
 DELAMINATION 2 FT X 6" ALONG BOTTOM AT BENT 1
 HEAVY EFFLORESCENCE BUILDUP ALONG BOTTOM FOR 6 FT AT BENT 1
 SPALL 3 FT X 2 FT X UP TO 5" DEEP WITH EXPOSED REBAR AND DETERIORATING CONCRETE, NO SECTION LOSS, ALONG WEST FACE AT BENT 1, PRIORITY MAINTENANCE
 SPALL 1.5 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG EAST FACE AT BENT 1, PRIORITY MAINTENANCE

Span 1

Reinforced Concrete Girder 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	0	10	38	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 SPALL 2.5 FT X UP 5" X 5" WITH EXPOSED REBAR, NO SECTION LOSS, AND ADJACENT CONCRETE
 DETERIORATING, 16 FT FROM END BENT 1
 HEAVY EFFLORESCENCE BUILDUP FOR 7 FT ALONG EAST FACE, 14 FT FROM END BENT 1
 HEAVY EFFLORESCENCE BUILDUP AND RUST STAINING ALONG BOTTOM FOR 20 FT NEAR MIDSPAN
 LONGITUDINAL CRACKING UP TO 1/16" WITH EFFLORESCENCE BUILDUP AND RUST STAINING ALONG WEST
 FACE, 15 FT FROM BENT 1

Span 1**Reinforced Concrete Girder 3****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	18	12	18	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 HEAVY EFFLORESCENCE BUILDUP AND RUST STAINING ALONG BOTTOM OF BEAM FOR 9 FT NEAR MIDSPAN
 AND FOR 1 FT AT BENT 1
 HEAVY EFFLORESCENCE BUILDUP ALONG WEST FACE AT INTERMEDIATE DIAPHRAGM
 SPALL 12" DIAMETER X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG WEST FACE AT
 BENT 1

Span 1**Reinforced Concrete Girder 4****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	20	28	0	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 HAIRLINE VERTICAL CRACKS UP TO 2 FT SCATTERED THROUGHOUT (16 TOTAL)

Span 1**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,270	515	85	670	0 Square Feet

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

General Comments

3 SOUND CONCRETE PATCHES, 6 FT X 5 FT, 8 FT X 5 FT, AND 5 FT X 3 FT SCATTERED
 TRANSVERSE CRACK AND MAP CRACKING UP TO 1" AT END BENT 1 IN TRAVEL LANE
 SCATTERED MAP CRACKING UP TO 1" IN TRAVEL LANE
 HOLLOW SOUNDING FOR 3 FT ALONG LEFT SIDE GUTTER AND FOR 2 FT ALONG BENT 1

Span 1 Concrete Railing 1**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	8	1	39	0 Feet

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

General Comments

EXPOSED REBAR FOR 6" AT CONCRETE END POST AT END BENT 1
 DELAMINATION 2.5 FT X 3" X 3", 11 FT FROM END BENT 1
 SPALL 21 FT X 6" X UP TO 9" ALONG OUTSIDE EDGE OF CURB AND CONCRETE RAIL, CONCRETE IS SOFT AND DETERIORATING
 DELAMINATION 10 FT X 20" LOCATED 15 FT FROM END BENT 1, TOP OF CURB, SIMILAR AT 15 FT FROM BENT 1
 6 FT X UP TO 20" X 5" SPALL WITH EXPOSED REBAR, NO SECTION LOSS, 14 FT FROM BENT 1

Span 1 Concrete Railing 2**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	44	3	1	0 Feet

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

General Comments

SPALL 12" X 9" X 5" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG TOP OF CURB AT BENT 1
 SCATTERED HAIRLINE VERTICAL CRACKING UP TO 1 FT (3 TOTAL)

Span 1 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 1 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 1**Other Bearing 2****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							
PACK RUST PRESENT							

Span 1**Other Bearing 3****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							
PACK RUST PRESENT							

Span 1**Other Bearing 4****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							
PACK RUST PRESENT							

Span 1**Other Bearing 4****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							
PACK RUST PRESENT							

Span 2**Reinforced Concrete Deck 1****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,494	1,224	160	110	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

0 0 0 0

General Comments

SCATTERED SURFACE DETERIORATION ALONG UNDERSIDE OF DECK
 HEAVY EFFLORESCENCE AND RUST STAINING SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS
 SPALL 2 FT X 1 FT X UP TO 3" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 1
 SCATTERED EFFLORESCENCE BUILDUP FOR 3 SF ALONG UNDERSIDE OF LEFT OVERHANG
 SPALL 2 FT X 4" X 2" DEEP, NO EXPOSED REBAR, WITH EFFLORESCENCE ALONG UNDERSIDE OF RIGHT OVERHANG AT BENT 1

Span 2**Reinforced Concrete Girder 1****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	29	12	7	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 SPALL 6" X 4" X UP TO 1.5" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG WEST FACE AT BENT 1
 HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG THE BOTTOM AT BENT 1 FOR 3 FT
 DELAMINATION 3 FT X 4" ALONG BOTTOM AND EAST FACE AT BENT 2

Span 2**Reinforced Concrete Girder 2****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	28	12	8	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 DELAMINATION 8" DIAMETER, 1.5 FT VERTICAL CRACK UP TO 1/8" AND 3 FT LONGITUDINAL CRACK X UP TO 1/8" WITH RUST STAINING ALONG THE WEST FACE AT BENT 1
 HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG THE BOTTOM AT BENT 1 FOR 3 FT
 TWO LONGITUDINAL CRACKS UP TO 3 FT X 1/16" ALONG BOTTOM AT BENT 2

Span 2**Reinforced Concrete Girder 3****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	32	12	4	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 SPALL 1 FT X 3 FT X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS ALONG WEST FACE AT BENT 1
 HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG THE BOTTOM AT BENT 1 FOR 3 FT

Span 2**Reinforced Concrete Girder 4****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	35	12	1	0 Feet

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

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG THE BOTTOM AT BENT 1 FOR 1 FT

Span 2**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,257	767	0	490	0 Square Feet

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

HOLLOW SOUNDING FOR 3 FT ALONG LEFT SIDE GUTTER AND FOR 2 FT ALONG BENT 1 AND BENT 2
FULL WIDTH TRANSVERSE CRACK UP TO 1" AT BENT 1, SIMILAR BENT 2
MAP CRACKING UP TO 1" SCATTERED PREDOMINANTLY IN TRAVEL LANE

Span 2**Concrete Railing 1****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	38	0	10	0 Feet

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

SPALL 1 FT X 1 FT X UP TO 5" DEEP, NO EXPOSED REBAR, ALONG POST AT BENT 1, CONCRETE IS SOFT AND DETERIORATING
SCATTERED HAIRLINE MAP CRACKING WITH EFFLORESCENCE ON BOTTOM OF CONCRETE POST, 22 FT FROM BENT 2, SIMILAR AT 14 FT
SPALL 3.5 FT X 1 FT X 5" WITH EXPOSED REBAR, NO SECTION LOSS, IN FACE OF CURB, 22 FT FROM BENT 2
SCATTERED SPALLS UP TO 18" X 5" X 5" WITH EXPOSED REBAR, NO SECTION LOSS, LOCATED AT BENT 1, SIMILAR AT 14 FT FROM BENT 2

Span 2**Concrete Railing 2****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	45	0	3	0 Feet

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

VERTICAL CRACK UP TO 1 FT X 1/16" ALONG CONCRETE POST AT BENT 1, SIMILAR AT 7 FT AND 15 FT FROM BENT 1

Span 2**Other Bearing 1****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
PACK RUST PRESENT					

Span 2**Other Bearing 1****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
PACK RUST PRESENT					

Span 2**Other Bearing 2****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
PACK RUST PRESENT					

Span 2**Other Bearing 2****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
PACK RUST PRESENT					

Span 2**Other Bearing 3****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

Structure Number: **560009**Inspection Date: **06/03/2016**

0 0 0 0

General Comments

PACK RUST PRESENT

Span 2 Other Bearing 3**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 2 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 2 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Reinforced Concrete Deck 1**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,510	1,233	160	117	0 Square Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG UNDERSIDE OF DECK
 HEAVY EFFLORESCENCE AND RUST STAINING SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS
 10 SF OF SCATTERED EFFLORESCENCE BUILDUP ALONG UNDERSIDE OF LEFT OVERHANG

Span 3**Reinforced Concrete Girder 1****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	36	12	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES SPALL 4 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG WEST FACE AT BENT 2, PRIORITY MAINTENANCE					

Span 3**Reinforced Concrete Girder 2****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	35	12	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES SPALL 6" X 4", NO EXPOSED REBAR, ALONG WEST FACE AT BENT 2 TWO 2 FT HAIRLINE DIAGONAL CRACKS ALONG WEST FACE AT BENT 2					

Span 3**Reinforced Concrete Girder 3****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	33	12	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES 3 FT LONGITUDINAL CRACK UP TO 1/8" WIDE ALONG BOTTOM AT BENT 3 2 FT OF HAIRLINE MAP CRACKING ALONG EAST FACE AT BENT 3					

Span 3**Reinforced Concrete Girder 4****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	36	12	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES					

Span 3**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,270	754	0	516	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
HOLLOW SOUNDING FOR 3 FT ALONG LEFT SIDE GUTTER AND 2 FT ALONG BENT 2 AND 3 ASPHALT WARPING FOR AREA 8 FT X 2 FT NEAR MIDSPAN AND CENTER OF BRIDGE, SIMILAR AREA 6 FT X 2 FT AT BENT 2 NEAR LEFT GUTTERLINE SCATTERED LONGITUDINAL, TRANSVERSE AND MAP CRACKING UP TO 1", PREDOMINANTLY IN TRAVEL LANE					

Span 3**Concrete Railing 1****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	40	0	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
SCATTERED SPALLS UP TO 26" X 5" X 2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS (4 TOTAL) 3 FT HORIZONTAL CRACK UP TO 1/16" ALONG BOTTOM OF RAIL, 5 FT FROM BENT 3					

Span 3**Concrete Railing 2****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	45	1	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
SPALL 9" X 3" X 3" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG CONCRETE POST AT BENT 3 1 FT VERTICAL CRACK UP TO 1/16" ALONG CONCRETE POST, 7 FT FROM BENT 3 1 FT HAIRLINE TRANSVERSE CRACK IN TOP OF CURB, 14 FT FROM BENT 2					

Span 3**Other Bearing 1****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
PACK RUST PRESENT					

Span 3 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Other Bearing 2**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Other Bearing 2**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Other Bearing 3**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Other Bearing 3**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 3 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Reinforced Concrete Deck 1**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,507	1,274	160	73	0 Square Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG UNDERSIDE OF DECK
 HEAVY EFFLORESCENCE AND RUST STAINING SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS
 SPALL 2 FT DIAMETER X 4" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG UNDERSIDE OF RIGHT OVERHANG, 15 FT FROM BENT 3
 SPALL 1 FT DIAMETER X 3" DEEP, NO EXPOSED REBAR, ALONG UNDERSIDE OF RIGHT OVERHANG AT BENT 3
 PATCHED AREA 5 FT X 5 FT IN BAY 3, 8 FT FROM BENT 3

Span 4 Reinforced Concrete Girder 1**Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	32	12	4	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 SPALL 4 FT X 1 FT X 1 FT WITH EXPOSED REBAR, UP TO 10% SECTION LOSS AT MIDSPAN, PRIORITY
 MAINTENANCE

Span 4 Reinforced Concrete Girder 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	35	13	0	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 DELAMINATION 1 FT DIAMETER ALONG BOTTOM NEAR BENT 4

Span 4 Reinforced Concrete Girder 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	33	13	2	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 LONGITUDINAL CRACK 2 FT X UP TO 1/8" AT BENT 4
 EXPOSED REBAR FOR 6", NO SECTION LOSS, ALONG BOTTOM AT BENT 3

Span 4 Reinforced Concrete Girder 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	36	12	0	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES

Span 4

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,268	904	16	348	0 Square Feet

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

General Comments

HOLLOW SOUNDING FOR 3 FT ALONG LEFT SIDE GUTTER AND 2 FT ALONG BENT 3 AND 4
 4 FT X 4 FT REPAIR IN TRAVEL LANE 8 FT FROM BENT 3, SOUND
 SCATTERED LONGITUDINAL TRANSVERSE AND MAP CRACKING UP TO 1" WIDE
 FULL LENGTH TRANSVERSE CRACK UP TO 1" AT BENT 3

Span 4 Concrete Railing 1**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	40	1	7	0 Feet

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

General Comments

SPALL WITH EXPOSED REBAR 6" X 4" X 1/2" DEEP, NO SECTION LOSS, 12 FT FROM BENT 4 ALONG BACK OF RAIL
 3 SCATTERED SPALLS UP TO 3 FT X 1 FT X 5" WITH EXPOSED REBAR, NO SECTION LOSS, IN CURB NEAR BENT 3
 EXPOSED REBAR FOR 4" IN FACE OF RAIL, 14 FT FROM BENT 3

Span 4 Concrete Railing 2**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	39	0	9	0 Feet

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

General Comments

SPALL 9" X 3" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG CONCRETE POST AT MIDSPAN , SIMILAR AT 15 FT FROM BENT 4
 1 FT VERTICAL CRACK UP TO 1/16" ALONG CONCRETE POST AT BENT 3, SIMILAR AT 7 FT AND 14 FT
 SPALL AND DETERIORATING CONCRETE 4 FT X 20" X 3", NO EXPOSED REBAR, ALONG TOP OF CURB, 10 FT FROM BENT 3

Span 4 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 2**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 2**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 3**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 3**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 4 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 5 Reinforced Concrete Deck 1**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,510	1,237	160	113	0 Square Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG UNDERSIDE OF DECK
 SCATTERED EFFLORESCENCE BUILDUP FOR 30 SF ALONG UNDERSIDE OF LEFT OVERHANG
 SCATTERED EFFLORESCENCE BUILDUP FOR 5 SF ALONG UNDERSIDE OF RIGHT OVERHANG
 HEAVY EFFLORESCENCE AND RUST STAINING SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS
 SPALL 4 FT X 2 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 4, PRIORITY MAINTENANCE

Span 5 Reinforced Concrete Girder 1**Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	48	26	13	9	0 Feet

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

General Comments

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
 HAIRLINE VERTICAL CRACKS SCATTERED THROUGHOUT (13 TOTAL)
 SPALL FULL HEIGHT X FULL WIDTH X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT BENT 4 FOR 4 FT, PRIORITY MAINTENANCE
 4 FT OF LONGITUDINAL CRACKING WITH HEAVY EFFLORESCENCE ALONG BOTTOM AND SIDE FACES NEAR BENT 4

Span 5**Reinforced Concrete Girder 2****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	26	22	0	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
HAIRLINE VERTICAL CRACKS SCATTERED THROUGHOUT (10 TOTAL)

Span 5**Reinforced Concrete Girder 3****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	10	22	16	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
7 FT OF HAIRLINE MAP CRACKING ALONG WEST FACE NEAR MIDSPAN
SCATTERED LONGITUDINAL CRACKING WITH HEAVY EFFLORESCENCE ALONG BOTTOM AND EAST FACE
HAIRLINE VERTICAL CRACKS SCATTERED THROUGHOUT (10 TOTAL)

Span 5**Reinforced Concrete Girder 4****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	19	12	17	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							

SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
7 FT OF HAIRLINE MAP CRACKING ALONG EAST FACE NEAR MIDSPAN
SPALL 2 FT X 1 FT X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, AND DETERIORATING CONCRETE ALONG EAST FACE AT BENT 4
SCATTERED LONGITUDINAL CRACKING WITH HEAVY EFFLORESCENCE ALONG BOTTOM AND EAST FACE

Span 5**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,270	910	0	360	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		
General Comments							

HOLLOW SOUNDING FOR 3 FT ALONG LEFT SIDE GUTTER AND 2 FT ALONG BENT 4
FULL LENGTH TRANSVERSE CRACK UP TO 1" WIDE AT BENT 3, SIMILAR AT END BENT 2
SCATTERED VERTICAL TRANSVERSE AND MAP CRACKING UP TO 1"

Span 5 Concrete Railing 1**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	44	3	1	0 Feet

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

General Comments

FULL WIDTH HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE IN TOP OF CURB, 12 FT FROM BENT 4
 SPALL 12" X 2.5" X .5" DEEP, NO EXPOSED REBAR IN TOP OF CURB, 15 FT FROM BENT 4
 TWO 1 FT LONG LONGITUDINAL HAIRLINE CRACKS WITH EFFLORESCENCE AT SPALL 15 FT FROM BENT 4

Span 5 Concrete Railing 2**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	36	10	2	0 Feet

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

General Comments

10 FT LONGITUDINAL HAIRLINE CRACK WITH EFFLORESCENCE IN TOP OF CURB, 10 FT FROM BENT 4
 SPALL 2 FT X 4" X UP TO 2" DEEP IN TOP OF CURB, NO EXPOSED REBAR, 10 FT FROM BENT 4

Span 5 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 5 Other Bearing 1**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 5 Other Bearing 2**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 5 Other Bearing 3**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 5 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Span 5 Other Bearing 4**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

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

General Comments

PACK RUST PRESENT

Bent 1 Reinforced Concrete Abutment 1**Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	41	35	0	6	0 Feet

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

General Comments

HEAVY STAINING ALONG BACKWALL, BAY 3, BAY 1 SIMILAR

Bent 1**Reinforced Concrete Pier Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	0	0	33	0 Feet

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

General Comments

SPALL FULL WIDTH X FULL HEIGHT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT LEFT END, PRIORITY MAINTENANCE
 SPALL 4 FT X 3 FT X UP TO 5" WITH EXPOSED REBAR, UP TO 100% SECTION LOSS UNDER BEAM 1, AND LOSS OF BEARING AREA, SPAN 1 FACE, PRIORITY MAINTENANCE
 SCATTERED HORIZONTAL CRACKS WITH HEAVY EFFLORESCENCE BUILDUP AND RUST STAINING IN BAYS 1 AND 2, SPAN 1 FACE
 LONGITUDINAL CRACK 8 FT X UP TO 1/8" ALONG BOTTOM UNDER BAY 2 AND BEAM 3
 13 FT HORIZONTAL CRACK X UP TO 1/8" WITH HEAVY EFFLORESCENCE AND RUST STAINING UNDER BEAM 4, SPAN 2 FACE
 HEAVY EFFLORESCENCE ABOVE COLUMN 1, SPAN 2 FACE
 SPALL 6 FT X 1 FT X 6" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, AND DETERIORATING CONCRETE UNDER BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE
 SPALL 2 FT X 1 FT X 6" DEEP WITH EXPOSED REBAR, SECTION LOSS UP TO 25%, AND LOSS OF BEARING AREA FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE
 4 FT OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP IN BAY 1, SPAN 2 FACE
 10 FT LONGITUDINAL CRACK X UP TO 1/4" ALONG BOTTOM OF CAP
 6 FT HORIZONTAL CRACK X UP TO 1/8" WITH EFFLORESCENCE UNDER BEAM 2, SPAN 2 FACE
 4 FT HAIRLINE HORIZONTAL CRACK IN BAY 2, SPAN 2 FACE
 EFFLORESCENCE BUILDUP FOR 2 FT UNDER BEAM 2 AND FOR 3 FT UNDER BEAM 3, SPAN 2 FACE

Bent 1**Reinforced Concrete Column 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

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

General Comments

HEAVY EFFLORESCENCE BUILDUP ALONG WEST FACE
 TWO VERTICAL CRACKS 5 FT X UP TO 1/8" ALONG SPAN 1 FACE NEAR MIDHEIGHT
 SPALL 2 FT X 6" X 6" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG NORTHEAST CORNER
 DELAMINATION 6 FT X 6" ALONG NORTHWEST CORNER
 HEAVY EFFLORESCENCE ALONG SPAN 2 FACE

Bent 1**Reinforced Concrete Pier Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	41	31	0	10	0 Feet

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

General Comments

DEBRIS ALONG TOP OF CAP, BAY 3, OTHERS SIMILAR

HORIZONTAL CRACK 10 FT X UP TO 1/8" WITH DELAMINATION 6 FT X UP TO 9" IN BAY 1

Bent 2**Reinforced Concrete Pier Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	0	0	33	0 Feet

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

General Comments

8 FT LONGITUDINAL CRACK X UP TO 1/8" WITH RUST STAINING ALONG BOTTOM OF CAP, BETWEEN COLUMNS
 6 FT LONGITUDINAL CRACK X UP TO 1/8" WITH RUST STAINING ALONG BOTTOM OF CAP, BETWEEN COLUMNS
 3 FT LONGITUDINAL CRACK X UP TO 1/8" WITH RUST STAINING ALONG BOTTOM OF CAP, BETWEEN COLUMNS
 SPALL 8 FT X 1 FT X 6" WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1, SPAN 2 FACE, PRIORITY MAINTENANCE
 10 FT HORIZONTAL HAIRLINE CRACK WITH RUST STAINING AND EFFLORESCENCE IN BAY 1, SPAN 2 FACE
 SPALL 3 FT X 1 FT X 1 FT UNDER BEAM 1 WITH EXPOSED REBAR, UP TO 10% SECTION LOSS, AND DETERIORATING CONCRETE AND LOSS OF BEARING FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE
 DELAMINATION 2 FT X 2" ALONG TOP OF CAP UNDER BEAM 1, SPAN 2 FACE
 1 FT OF EFFLORESCENCE UNDER BEAM 1, SPAN 2 FACE
 9 FT HORIZONTAL CRACK UP TO 1/8" WITH RUST STAINING ALONG BOTTOM OF CAP UNDER BEAM 3
 THREE HORIZONTAL CRACKS UP TO 4 FT X 1/16" WITH EFFLORESCENCE UNDER BEAM 2, SPAN 3 FACE
 8 FT OF EFFLORESCENCE BUILDUP IN BAY 1, SPAN 3 FACE
 DELAMINATION 4 FT X 1 FT NEAR LEFT END, SPAN 3 FACE
 3 FT HORIZONTAL CRACK X 1/16" WITH EFFLORESCENCE IN LEFT OVERHANG, SPAN 3 FACE
 SPALL 1 FT X 1 FT X 4" DEEP, NO EXPOSED REBAR ALONG LEFT END OF CAP

Bent 2**Reinforced Concrete Column 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

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

General Comments

1 Each of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/4" LOSS TO SURFACE CONCRETE. WATER DEPTH AT TIME OF INSPECTION WAS 2".
 DELAMINATION 9 FT X 6" X 9" ALONG SOUTHEAST CORNER
 THREE VERTICAL CRACKS UP TO 8 FT X 1/16" IN SPAN 2 FACE
 SPALL 4 FT X 10" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG SOUTHWEST CORNER, 5 FT BELOW CAP, PRIORITY MAINTENANCE
 DELAMINATION 4 FT X 6" ABOVE AND BELOW SPALL ALONG SOUTHWEST CORNER
 11 FT OF VERTICAL CRACKS WITH EFFLORESCENCE IN SPAN 2 FACE
 SPALL 8 FT X 1 FT X 8" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG NORTHWEST CORNER, PRIORITY MAINTENANCE
 DELAMINATION 6 FT X 6" BELOW SPALL ALONG NORTHWEST CORNER
 10 FT VERTICAL CRACK X UP TO 1/16" ALONG SPAN 3 FACE
 DELAMINATION 4 FT X 8" ALONG EAST FACE
 6 FT VERTICAL CRACK UP TO 1/16" WITH EFFLORESCENCE ALONG EAST FACE
 DELAMINATION 12 FT X 6" ALONG SOUTHEAST CORNER

Bent 2**Reinforced Concrete Column 2****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

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

0

0

0

General Comments

1 Each of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/4" LOSS TO SURFACE CONCRETE. WATER DEPTH AT TIME OF INSPECTION WAS 3".

Bent 2**Reinforced Concrete Footing 1****Reinforced Concrete Footing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	12	0	12	0	0 Feet

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

General Comments

12 Feet of Abrasion/Wear (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/4" LOSS TO SURFACE CONCRETE TO EXPOSED AREAS.

Bent 2**Reinforced Concrete Pier Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	41	34	2	5	0 Feet

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

General Comments

DELAMINATION 5 FT X 1 FT X 5" WITH RUST STAINING IN BAY 1
2 FT HORIZONTAL HAIRLINE CRACK WITH RUST STAINING IN FACE UNDER BEAM 4

Bent 3**Reinforced Concrete Pier Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	0	0	33	0 Feet

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

General Comments

TEMPORARY REPAIR UNDER BEAMS 1 AND 2, SPAN 4 FACE, SPAN 3 FACE SIMILAR
10 FT HORIZONTAL CRACK UP TO 1/16" WITH EFFLORESCENCE IN BAY 3, SPAN 4 FACE
7 FT OF SCATTERED RUST STAINING ALONG BOTTOM OF CAP, SPAN 4 FACE
3 FT OF EFFLORESCENCE BUILDUP ALONG BOTTOM OF CAP AT COLUMN 1, SPAN 4 FACE
7 FT HORIZONTAL HAIRLINE CRACK UNDER BEAM 2, SPAN 4 FACE
3 FT HORIZONTAL CRACK UP TO 1/16" IN BAY 3, SPAN 3 FACE
4 FT HORIZONTAL CRACK UP TO 1/16" UNDER BEAM 3, SPAN 3 FACE
PREVIOUS REPAIR WITH 1 FT HORIZONTAL CRACK UP TO 1/8" IN BAY 3, SPAN 3 FACE
8 FT HORIZONTAL CRACK UP TO 1/16" ALONG BOTTOM WITH RUST STAINING, BAY 2
4 FT HORIZONTAL CRACK UP TO 1/8" ALONG BOTTOM
SPALL 4 FT X 6" X 6" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG LEFT END, SPAN 3 FACE

Bent 3**Reinforced Concrete Column 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

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

General Comments

1 Each of Abrasion/Wear (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/4" LOSS TO SURFACE CONCRETE. WATER DEPTH AT TIME OF INSPECTION WAS 2".
 DELAMINATION 7 FT X 4" X 4" ALONG NORTHEAST CORNER
 DELAMINATION 14 FT X 4" X 4" ALONG NORTHWEST CORNER
 6 FT VERTICAL CRACK UP TO 1/8" WITH RUST STAINING AND EFFLORESCENCE ALONG EAST FACE
 12 FT VERTICAL CRACK UP TO 1/6" ALONG SPAN 3 FACE
 DELAMINATION 6 FT X 4" ALONG SPAN 3 FACE
 DELAMINATION 6 FT X 4" WITH EFFLORESCENCE BUILDUP ALONG WEST FACE
 SPALL 3 FT X 6" X 6", NO EXPOSED REBAR, ALONG SOUTHWEST CORNER

Bent 3**Reinforced Concrete Column 2****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

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

General Comments

1 Each of Abrasion/Wear (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/4" LOSS TO SURFACE CONCRETE. WATER DEPTH AT TIME OF INSPECTION WAS 2".
 3 FT VERTICAL CRACK UP TO 1/16" ALONG SOUTHWEST CORNER
 2 FT VERTICAL HAIRLINE CRACK AT TOP, SPAN 3 FACE

Bent 3**Reinforced Concrete Footing 1****Reinforced Concrete Footing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	12	0	12	0	0 Feet

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

General Comments

12 Feet of Abrasion/Wear (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/4" LOSS TO SURFACE CONCRETE TO EXPOSED AREAS.

Bent 4**Reinforced Concrete Pier Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	0	0	33	0 Feet

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

General Comments

4 FT HAIRLINE HORIZONTAL CRACK WITH RUST STAINING IN BAY 3, SPAN 5 FACE
 4 FT OF HEAVY EFFLORESCENCE NEAR BEAM 3, SPAN 5 FACE
 10 FT HORIZONTAL CRACK UP TO 1/8" IN BAY 2 WITH RUST STAINING AND HEAVY EFFLORESCENCE, SPAN 5 FACE
 1 FT HORIZONTAL CRACK UP TO 1/8" WITH HEAVY RUST STAINING UNDER BEAM 2, SPAN 5 FACE
 HEAVY EFFLORESCENCE FOR 6 FT ALONG WEST END, SPAN 5 FACE
 13 FT HORIZONTAL CRACK X UP TO 1/16" WITH RUST STAINING UNDER BEAM 3, SPAN 4 FACE
 LONGITUDINAL CRACK 5 FT X 1/8" ALONG BOTTOM UNDER BAY 2
 LONGITUDINAL CRACK 3 FT X 1/16" ALONG BOTTOM WITH RUST STAINING, BAY 1
 SPALL 2 FT X 3 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG END OF CAP, SPAN 4 FACE, PRIORITY MAINTENANCE
 HEAVY EFFLORESCENCE BUILDUP FOR 6 FT UNDER BEAM 1, SPAN 4 FACE

Bent 4**Reinforced Concrete Column 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

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

General Comments

DELAMINATION 4 FT X 2 FT, SPAN 4 FACE
 4 FT HAIRLINE VERTICAL CRACK, SPAN 4 FACE
 DELAMINATION 7 FT X 4" X 4" WITH HEAVY EFFLORESCENCE ALONG SOUTHWEST CORNER, NORTHWEST CORNER SIMILAR AND WITH RUST STAINING
 DELAMINATION 7 FT X 4" X 4" ALONG NORTHEAST CORNER
 DELAMINATION 4 FT X 4" X 4" ALONG SOUTHEAST CORNER

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1		Reinforced Concrete Deck	Reinforced Concrete Deck	1512
Span 1		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 1		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 1		Asphalt Wearing Surface	Wearing Surface	1270
Span 1		Other Bearing	Other Bearings	1
Span 1		Other Bearing	Other Bearings	1
Span 1		Other Bearing	Other Bearings	1
Span 1		Other Bearing	Other Bearings	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	41
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	41
Span 2		Reinforced Concrete Deck	Reinforced Concrete Deck	1494
Span 2		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 2		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 2		Asphalt Wearing Surface	Wearing Surface	1257
Span 2		Other Bearing	Other Bearings	1
Span 2		Other Bearing	Other Bearings	1
Span 2		Other Bearing	Other Bearings	1
Span 2		Other Bearing	Other Bearings	1
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	41
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	41
Span 3		Reinforced Concrete Deck	Reinforced Concrete Deck	1510
Span 3		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 3		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 3		Asphalt Wearing Surface	Wearing Surface	1270
Span 3		Other Bearing	Other Bearings	1
Span 3		Other Bearing	Other Bearings	1
Span 3		Other Bearing	Other Bearings	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3		Other Bearing	Other Bearings	1
Bent 3		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
Span 4		Reinforced Concrete Deck	Reinforced Concrete Deck	1507
Span 4		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 4		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 4		Asphalt Wearing Surface	Wearing Surface	1268
Span 4		Other Bearing	Other Bearings	1
Span 4		Other Bearing	Other Bearings	1
Span 4		Other Bearing	Other Bearings	1
Span 4		Other Bearing	Other Bearings	1
Bent 4		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Span 5		Reinforced Concrete Deck	Reinforced Concrete Deck	1510
Span 5		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 5		Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 5		Asphalt Wearing Surface	Wearing Surface	1270
Span 5		Other Bearing	Other Bearings	1
Span 5		Other Bearing	Other Bearings	1
Span 5		Other Bearing	Other Bearings	1
Span 5		Other Bearing	Other Bearings	1

National Bridge and NC Inspection Items

Structure Number: 560009

Inspection Date: 06/03/2016

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	4
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	F	7530	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		L		
Drift	G, F, P, or C	G	0	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	5		

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	16
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: 560009

Inspection Date: 06/03/2016

Item	Deck - Item 58	Grade	4	Maint Code		Qty.	0
Details	EXTENSIVE SPALLS, EXPOSED REBAR WITH SECTION LOSS, HEAVY EFFLORESCENCE BUILDUP AND RUST STAINING THROUGHOUT						

Item	Superstructure - Item 59	Grade	4	Maint Code		Qty.	0
Details	EXTENSIVE SPALLS, EXPOSED REBAR WITH SECTION LOSS AND HEAVY EFFLORESCENCE BUILDUP THROUGHOUT RIGHT TRAVEL LANE HAS BEEN CLOSED TO SHIFT TRAFFIC AWAY FROM BEAM 1						

Item	Substructure - Item 60	Grade	4	Maint Code		Qty.	0
Details	EXTENSIVE SPALLS, EXPOSED REBAR WITH SECTION LOSS AND HEAVY EFFLORESCENCE BUILDUP THROUGHOUT						

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
Details	ISSUED FOR SPALLS WITH EXPOSED REBAR WITH SECTION LOSS THROUGHOUT						

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	7530
Details	HEAVY VEGETATION AND DEBRIS ALONG LEFT GUTTER SIMILAR ALONG RIGHT						

Item	Drainage System	Grade	G	Maint Code	3332	Qty.	0
Details	DRAINS BLOCKED BY DEBRIS, BUT BRIDGE IS ON A GRADE SO WATER DRAINS						



MAP CRACKING UP TO 1/2" IN SOUTH APPROACH , NORTH APPROACH SIMILAR



VEGETATION AND DEBRIS ALONG LEFT GUTTER, RIGHT GUTTER SIMILAR



Span 1 Left Bridge Rail: EXPOSED REBAR FOR 6" AT CONCRETE END POST AT END BENT 1



Span 1 Left Bridge Rail: DELAMINATION 2.5 FT X 3" X 3", 11FT FROM END BENT 1



Span 1 Left Bridge Rail: SPALL 21 FT X 6" X UP TO 9" ALONG OUTSIDE EDGE OF CURB AND CONCRETE RAIL, CONCRETE IS SOFT AND DETERIORATING



Span 1 Left Bridge Rail: DELAMINATION 10 FT X 20" LOCATED 15 FT FROM END BENT 1, TOP OF LEFT CURB



Span 1 Left Bridge Rail: SPALL 6 FT X UP TO 20" X 5" WITH EXPOSED REBAR, NO SECTION LOSS, 14 FT FROM BENT 1



Span 2 Left Bridge Rail: SPALL 1 FT X 1 FT X UP TO 5" DEEP, NO EXPOSED REBAR, ALONG POST AT BENT 1, CONCRETE IS SOFT AND DETERIORATING



Span 2 Left Bridge Rail: SCATTERED HAIRLINE MAP CRACKING WITH EFFLORESCENCE ON BOTTOM OF CONCRETE POST 22FT FROM BENT 1



Span 2 Left Bridge Rail: SPALL 3.5 FT X 1FT X 5" WITH EXPOSED REBAR, NO SECTION LOSS, IN FACE OF CURB 22 FT FROM BENT 1



Span 3 Left Bridge Rail: SCATTERED SPALLS UP TO 26" X 5" X 2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS (4 TOTAL)



Span 3 Left Bridge Rail: 3 FT HORIZONTAL CRACK UP TO 1/16" ALONG BOTTOM OF RAIL, 5 FT FROM BENT 3



Span 5 Left Bridge Rail: FULL WIDTH HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE IN TOP OF CURB, 12 FT FROM BENT 4



Span 4 Right Bridge Rail: SPALL 9" X 3" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG CONCRETE POST AT MIDSPAN



Span 4 Right Bridge Rail: 1 FT VERTICAL CRACK UP TO 1/16" ALONG CONCRETE POST AT BENT 3



Span 1 Right Bridge Rail: SPALL 12" X 9" X 5" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG TOP OF CURB AT BENT 1



Span 1 Wearing Surface: 3 SOUND CONCRETE PATCHES, 6FT X 5FT, 8FT X 5FT, AND 5FT X 3FT SCATTERED



Span 1 Wearing Surface: TRANSVERSE CRACK AND MAP CRACKING UP TO 1" AT END BENT 1 IN TRAVEL LANE



Span 1 Wearing Surface: SCATTERED MAP CRACKING UP TO 1" IN TRAVEL LANE



Span 2 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1" AT BENT 2



Span 3 Wearing Surface: ASPHALT WARPING FOR AREA 8 FT X 2 FT NEAR MIDSPAN AND CENTER OF BRIDGE



Span 3 Wearing Surface: SCATTERED LONGITUDINAL, TRANSVERSE AND MAP CRACKING UP TO 1",
PREDOMINANTLY IN TRAVEL LANE



Span 4 Wearing Surface: 4FT X 4FT REPAIR IN TRAVEL LANE, 8FT FROM BENT 3, SOUND



End Bent 1 Abutment/Backwall : HEAVY STAINING ALONG BACKWALL, BAY 3



End Bent 1 Abutment/Backwall : DEBRIS ALONG TOP OF CAP, BAY 3, OTHERS SIMILAR



End Bent 1 Cap : HORIZONTAL CRACK 10 FT X UP TO 1/8" WITH DELAMINATION 6 FT X UP TO 9" IN BAY 1



Span 1 Deck: SPALL 35 FT X 2 FT X UP TO 8" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE



Span 1 Deck: SPALL 8 FT X 5 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, 15 FT FROM END BENT 1, BAY 1, PRIORITY MAINTENANCE



Span 1 Deck: FORMWORK FOR PATCH, 7 FT X 5.5 FT, 11 FT FROM END BENT 1, BAY 2



Span 1 Deck: SPALL 9 FT X 7 FT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, AND HONEYCOMBING, NEAR MIDSPAN, BAY 2, PRIORITY MAINTENANCE



Span 1 Deck: FORMWORK FOR PATCH, 5 FT X 8 FT, 15 FT FROM BENT 1, BAY 3



Span 1 Deck: SPALL 3 FT X 6" X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ADJACENT TO PATCH FORMWORK IN BAY, PRIORITY MAINTENANCE



Span 1 Deck: SCATTERED EXPOSED REBAR UP TO 6", NO SECTION LOSS, THROUGHOUT UNDERSIDE OF RIGHT OVERHANG



Span 1 Beam 3: HEAVY EFFLORESCENCE BUILDUP ALONG WEST FACE AT INTERMEDIATE DIAPHRAGM



Span 1 Beam 2: SPALL 2.5 FT X UP 5" X 5" WITH EXPOSED REBAR, NO SECTION LOSS, AND ADJACENT CONCRETE DETERIORATING, 16 FT FROM END BENT 1



Span 1 Beam 2: HEAVY EFFLORESCENCE BUILDUP AND RUST STAINING ALONG BOTTOM FOR 20 FT NEAR MIDSPAN



Span 1 Beam 2: LONGITUDINAL CRACKING UP TO 1/16" WITH EFFLORESCENCE BUILDUP AND RUST STAINING ALONG WEST FACE, 15 FT FROM BENT 1



Span 1 Beam 1: SPALL FULL WIDTH BOTTOM FLANGE X UP TO 16" HIGH ALONG BOTH FACES AND UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, FROM MIDSPAN TO END BENT 1, PRIORITY MAINTENANCE



Span 1 Beam 1: DELAMINATION 2 FT X 6" ALONG BOTTOM AT BENT 1



Bent 1 Cap : SPALL FULL WIDTH X FULL HEIGHT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT LEFT END, PRIORITY MAINTENANCE



Span 1 Beam 1: SPALL 3 FT X 2 FT X UP TO 5" DEEP WITH EXPOSED REBAR AND DETERIORATING CONCRETE, NO SECTION LOSS, ALONG WEST FACE AT BENT 1, PRIORITY MAINTENANCE



Bent 1 Cap : SPALL 4 FT X 3 FT X UP TO 5" WITH EXPOSED REBAR, UP TO 100% SECTION LOSS UNDER BEAM 1, AND LOSS OF BEARING AREA, SPAN 1 FACE, PRIORITY MAINTENANCE



Bent 1 Cap : SCATTERED HORIZONTAL CRACKS WITH HEAVY EFFLORESCENCE BUILDUP AND RUST STAINING IN BAYS 1 AND 2, SPAN 1 FACE



END DIAPHRAGMS, BAY 2, BENT 1, SPALLED FULL WIDTH UP TO 3" DEEP WITH EXPOSED REBAR, OTHER BAYS SIMILAR THROUGHOUT



End Bent 2 Cap : DELAMINATION 5 FT X 1 FT X 5" WITH RUST STAINING IN BAY 1



Span 5 Beam 4: SPALL 2 FT X 1 FT X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, AND DETERIORATING CONCRETE ALONG EAST FACE AT BENT 4



Span 5 Beam 1: SPALL FULL HEIGHT X FULL WIDTH X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT BENT 4, PRIORITY MAINTENANCE



Span 5 Deck: SPALL 4 FT X 2 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 4, PRIORITY MAINTENANCE



Bent 4 Cap : SPALL 2 FT X 3 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG END OF CAP, SPAN 4 FACE, PRIORITY MAINTENANCE



Span 4 Beam 1: SPALL 4 FT X 1 FT X 1 FT WITH EXPOSED REBAR, UP TO 10% SECTION LOSS AT MIDSPAN, PRIORITY MAINTENANCE



Span 4 Deck: SPALL 2 FT DIAMETER X 4" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG UNDERSIDE OF RIGHT OVERHANG, 15 FT FROM BENT 3



Span 4 Deck: PATCHED AREA 5 FT X 5 FT IN BAY 3, 8 FT FROM BENT 3



Bent 3 Cap : TEMPORARY REPAIR UNDER BEAMS 1 AND 2, SPAN 4 FACE, SPAN 3 FACE SIMILAR



Bent 1 Pile 1: SPALL 2 FT X 6" X 6" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG NORTHEAST CORNER



Bent 1 Pile 1: DELAMINATION 6 FT X 6" ALONG NORTHWEST CORNER



Bent 1 Cap : SPALL 6 FT X 1 FT X 6" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, AND DETERIORATING CONCRETE UNDER BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE



Span 1 Beam 1: SPALL 1.5 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG EAST FACE AT BENT 1, PRIORITY MAINTENANCE



Bent 1 Cap : SPALL 2 FT X 1 FT X 6" DEEP WITH EXPOSED REBAR, SECTION LOSS UP TO 25%, AND LOSS OF BEARING AREA FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE



Span 2 Beam 2: DELAMINATION 8" DIAMETER, 1.5 FT VERTICAL CRACK UP TO 1/8" AND 3 FT LONGITUDINAL CRACK X UP TO 1/8" WITH RUST STAINING ALONG THE WEST FACE AT BENT 1



Span 2 Beam 3: SPALL 1 FT X 3 FT X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS ALONG WEST FACE AT BENT 1



Bent 1 Cap : 4 FT OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP IN BAY 1, SPAN 2 FACE



Span 2 Deck: SPALL 2 FT X 1 FT X UP TO 3" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 1



Bent 2 Pile 1: SPALL 4 FT X 10" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG SOUTHWEST CORNER, 5 FT BELOW CAP, PRIORITY MAINTENANCE



Bent 2 Cap : SPALL 8 FT X 1 FT X 6" WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1, SPAN 2 FACE, PRIORITY MAINTENANCE



Span 2 Beam 1: DELAMINATION 3 FT X 4" ALONG BOTTOM AND EAST FACE AT BENT 2



Span 3 Beam 2: SPALL 6" X 4" ALONG WEST FACE AT BENT 2



Span 2 Beam 1 Far Bearing : PACK RUST PRESENT



Bent 2 Cap : SPALL 3 FT X 1 FT X 1 FT UNDER BEAM 1 WITH EXPOSED REBAR, UP TO 10% SECTION LOSS, AND DETERIORATING CONCRETE AND LOSS OF BEARING FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE



Span 2 Beam 2: TWO LONGITUDINAL CRACKS UP TO 3 FT X 1/16" ALONG BOTTOM AT BENT 2



Bent 2 Pile 1: SPALL 8 FT X 1 FT X 8" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG NORTHWEST CORNER, PRIORITY MAINTENANCE



Span 3 Beam 1: SPALL 4 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG WEST FACE AT BENT 2, PRIORITY MAINTENANCE



Bent 2 Cap : SPALL 1 FT X 1 FT X 4" DEEP, NO EXPOSED REBAR ALONG LEFT END OF CAP



Span 3 Beam 3: 2 FT OF HAIRLINE MAP CRACKING ALONG EAST FACE AT BENT 3



Bent 3 Cap : PREVIOUS REPAIR WITH 1 FT HORIZONTAL CRACK UP TO 1/8" IN BAY 3, SPAN 3 FACE



SURFACE CORROSION ALONG BENT 3 SADDLE SUPPORT



Bent 3 Cap : SPALL 4 FT X 6" X 6" WITH EXPOSED REBAR, NO SECTION LOSS, ALONG LEFT END, SPAN 3 FACE



NORTH APPROACH LOOKING NORTH



LOOKING SOUTH



BRIDGE MARKER AT NORTHWEST CORNER, SIMILAR AT SOUTHEAST CORNER



LEFT BRIDGE RAIL, RIGHT SIMILAR



DOWNSTREAM, LOOKING WEST



SPAN 3 ASPHALT WEARING SURFACE, OTHER SIMILAR



UPSTREAM, LOOKING EAST



SOUTH APPROACH LOOKING SOUTH



LOOKING NORTH



SOUTHWEST WINGWALL, OTHERS SIMILAR



WEST PROFILE



END BENT 1, END BENT 2 SIMILAR



BENT 2, OTHERS SIMILAR



UNDERSIDE SPAN 2, OTHERS SIMILAR



TYPICAL INTERMEDIATE DIAPHRAGM



EAST END OF BENT 1 CAP, OTHERS SIMILAR



EAST PROFILE



BEAM 3 BEARING AT END BENT 1, OTHERS SIMILAR



BEARING AT BEAM 2, BENT 2

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

Run Date: 08/30/2016

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	560009		SUFFICIENCY RATING =	46.2
(8) STRUCTURE NUMBER(FEDERAL)	000000001150009			STATUS =	Structurally Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON	31002510				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	2			CLASSIFICATION	CODE
(3) COUNTY CODE 115 (4) PLACE CODE	0			(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - IVY CREEK				(104)HIGHWAY SYSTEM Is not on NHS	0
(7) FACILITY CARRIED NC251 SBL				(26) FUNCTIONAL CLASS - Major Collector	07
(9) LOCATION .01 MI.S.JCT.US25,70				(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(11)MILEPOINT	0			(101)PARALLEL STRUCTURE - Left Parallel Structure	L
(16)LAT 35° 46' 36.13" (17)LONG 82° 38' 51.99"				(102)DIRECTION OF TRAFFIC - 1-way Traffic	1
(98)BORDER BRIDGE STATE CODE	PCT SHARE			(103)TEMPORARY STRUCTURE -	
(99)BORDER BRIDGE STRUCTURE NO				(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: Concrete					
TYPE - Tee Beam	CODE	104			
(44) STRUCTURE TYPE APPR :				CONDITION	CODE
TYPE -	CODE	000		(58) DECK	4
(45) NUMBER OF SPANS IN MAIN UNIT		5		(59) SUPERSTRUCTURE	4
(46) NUMBER OF APPROACH SPANS				(60) SUBSTRUCTURE	4
(107)DECK STRUCTURE TYPE - 1	CODE			(61) CHANNEL & CHANNEL PROTECTION	7
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(62) CULVERTS	N
(A) TYPE OF WEARING SURFACE -	CODE				
(B) TYPE OF MEMBRANE -	CODE			LOAD RATING AND POSTING	CODE
(C) TYPE OF DECK PROTECTION -	CODE			(31) DESIGN LOAD HS 20 + MOD	6
				(63) OPERATING RATING METHOD - Load Factor	1
				(64) OPERATING RATING - HS-28	51
				(65) INVENTORY RATING METHOD - Load Factor	1
				(66) INVENTORY RATING - HS-17	30
				(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 - Waterway	CODE	15			
(28) LANES: ON STRUCTURE 1 UNDER STRUCTURE		0			
(29) AVERAGE DAILY TRAFFIC		720		APPRAISAL	CODE
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT		7%		(67) STRUCTURAL EVALUATION	4
(19) BYPASS OR DETOUR LENGTH		5 MI		(68) DECK GEOMETRY	2
				(69) UNDERCLEARANCES,VERTI & HORIZ	N
GEOMETRIC DATA					
(48) LENGTH OF MAXIMUM SPAN		45 FT		(71) WATERWAY ADEQUACY	7
(49) STRUCTURE LENGTH		239 FT		(72) APPROACH ROADWAY ALIGNMENT	8
(50)CURB OR SIDEWALK: LEFT 1.6 FT RIGHT 1.6 FT				(36) TRAFFIC SAFETY FEATURES	0000
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		14.667 FT		(113)SCOUR CRITICAL BRIDGES	8
(52) DECK WIDTH OUT TO OUT		31.5 FT			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		25 FT		PROPOSED IMPROVEMENTS	
(33) BRIDGE MEDIAN - No Median	CODE	1		(75) TYPE OF WORK -	CODE
(34) SKEW 30° (35) STRUCTURE FLARED		0		(76) LENGTH OF STRUCTURE IMPROVEMENT	
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		(94) BRIDGE IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		14.667 FT		(95) ROADWAY IMPROVEMENT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		(96) TOTAL PROJECT COST	
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT		(114)FUTURE ADT 1440 (115) YEAR FUTURE ADT 2025	
(56) MIN LAT UNDERCLEAR LT REF -		000 FT			
NAVIGATION DATA					
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0		INSPECTIONS	
(111)PIER PROTECTION -	CODE			(90) INSPECTION DATE	06/03/2016
(39) NAVIGATION VERTICAL CLEARANCE		0		(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT		A) FRACTURE CRIT DETAIL - NO	A)
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT		B) UNDERWATER INSP - YES 48Mo	B) 05/26/2015
				C) OTHER SPECIAL INSP NO	C)
				SCOUR	

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 08/30/2016

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
MADISON	13	2	560009	239	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
NC251 SBL	IVY CREEK

LOCATED :	BRIDGE NAME :	CITY :
.01 MI.S.JCT.US25,70		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
07	FA	NFA	720 2012	LT 111 RT 111

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1957	SHPWC	9723		HS 20 + MOD

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
	BMU	5.8641	LT.	120	ON 1	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		30 FT		3		FT

SUPERSTRUCTURE :	RCDG(14.667' BRG.RDWAY OPEN TO TRAFFIC, OTHER PORTION RDWAY. CLOSED)
------------------	--

SUBSTRUCTURE :	E.BTS:RC CAPS/H-PIPES;INT.BTS:RC POST&BEAM
----------------	--

SPANS :	1 @ 47'-11;1 @ 47'-5;1 @ 47'-11;1 @ 47'-10;1 @ 47'-11
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BEAMS OR GIRDERS :	4 LINES REINFORCED CONCRETE GIRDERS @ 8' CENTERS
--------------------	--

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
7 RC/4 AWS		31.5 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
14.667 FT	16.25 FT	LT 1.6 FT RT 1.6 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-17	HS-28	ExtGirder1	SV		

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	48	SPAN 1 BEAM 1: SPALL FULL WIDTH BOT FL X UP TO 16" ALONG BOTH FACES X UP TO 5" DEEP WITH EXP REBAR, UP TO 25% SEC LOSS, FROM MIDSPAN TO END BENT 1, PM	
 3306	Maintain Concrete Superstructure Components	SF	6	SPAN 1 BEAM 1: SPALL 3 FT X 2 FT X UP TO 5" DEEP WITH EXPOSED REBAR AND DETERIORATING CONCRETE, NO SECTION LOSS, ALONG WEST FACE AT BENT 1, PM	
 3306	Maintain Concrete Superstructure Components	SF	20	SPAN 5 BEAM 1: SPALL FULL HEIGHT X FULL WIDTH X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT BENT 4 FOR 4 FT, PRIORITY MAINTENANCE	
 3306	Maintain Concrete Superstructure Components	SF	4	SPAN 4 BEAM 1: SPALL 4 FT X 1 FT X 1 FT WITH EXPOSED REBAR, UP TO 10% SECTION LOSS AT MIDSPAN, PRIORITY MAINTENANCE	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 1 BEAM 1: SPALL 1.5 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG EAST FACE AT BENT 1, PRIORITY MAINTENANCE	
 3306	Maintain Concrete Superstructure Components	SF	12	SPAN 3 BEAM 1: SPALL 4 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG WEST FACE AT BENT 2, PRIORITY MAINTENANCE	
 3326	Maintain Concrete Deck	SF	70	SPAN 1 DECK: SPALL 35 FT X 2 FT X UP TO 8" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE	
 3326	Maintain Concrete Deck	SF	40	SPAN 1 DECK: SPALL 8 FT X 5 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, 15 FT FROM END BENT 1, BAY 1, PRIORITY MAINTENANCE	
 3326	Maintain Concrete Deck	SF	63	SPAN 1 DECK: SPALL 9 FT X 7 FT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, AND HONEYCOMBING, NEAR MIDSPAN, BAY 2, PRIORITY MAINTENANCE	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3326	Maintain Concrete Deck	SF	3	SPAN 1 DECK: SPALL 3 FT X 6" X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ADJACENT TO PATCH FORMWORK IN BAY, PRIORITY MAINTENANCE	
 3326	Maintain Concrete Deck	SF	8	SPAN 5 DECK: SPALL 4 FT X 2 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 4, PM	
 3348	Maintain Concrete Substructure Components	LF	1	BENT 1 CAP : SPALL FULL WIDTH X FULL HEIGHT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT LEFT END, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	4	BENT 1 CAP : SPALL 4 FT X 3 FT X UP TO 5" WITH EXPOSED REBAR, UP TO 100% SECTION LOSS UNDER BEAM 1, AND LOSS OF BEARING AREA, SPAN 1 FACE, PM	
 3348	Maintain Concrete Substructure Components	LF	2	BENT 4 CAP : SPALL 2 FT X 3 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG END OF CAP, SPAN 4 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	6	BENT 1 CAP : SPALL 6 FT X 1 FT X 6" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, AND DETERIORATING CONCRETE UNDER BEAM 1, SPAN 2 FACE, PM	
 3348	Maintain Concrete Substructure Components	LF	2	BENT 1 CAP : SPALL 2 FT X 1 FT X 6" DEEP WITH EXPOSED REBAR, SECTION LOSS UP TO 25%, AND LOSS OF BEARING AREA FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	4	BENT 2 PILE 1: SPALL 4 FT X 10" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG SOUTHWEST CORNER, 5 FT BELOW CAP, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	8	BENT 2 CAP : SPALL 8 FT X 1 FT X 6" WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1, SPAN 2 FACE, PRIORITY MAINTENANCE	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	3	BENT 2 CAP : SPALL 3 FT X 1 FT X 1 FT UNDER BEAM 1 WITH EXP REB, UP TO 10% SEC LOSS, DETERIORATING CON, LOSS OF BEARING FOR BEAM 1, SPAN 2 FACE, PM	
 3348	Maintain Concrete Substructure Components	LF	8	BENT 2 PILE 1: SPALL 8 FT X 1 FT X 8" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG NORTHWEST CORNER, PRIORITY MAINTENANCE	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	48 SF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 BEAM 1: SPALL FULL WIDTH BOT FL X UP TO 16" ALONG BOTH FACES X UP TO 5" DEEP WITH EXP REBAR, UP TO 25% SEC LOSS, FROM MIDSPAN TO END BENT 1, PM		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	6 SF
Location:		
Beams and Girders	Bent/Span No. 1	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 BEAM 1: SPALL 3 FT X 2 FT X UP TO 5" DEEP WITH EXPOSED REBAR AND DETERIORATING CONCRETE, NO SECTION LOSS, ALONG WEST FACE AT BENT 1, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	20 SF
Location:		
Beams and Girders	Bent/Span No. 5	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 5 BEAM 1: SPALL FULL HEIGHT X FULL WIDTH X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT BENT 4 FOR 4 FT, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF
Location:		
Beams and Girders	Bent/Span No. 4	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 4 BEAM 1: SPALL 4 FT X 1 FT X 1 FT WITH EXPOSED REBAR, UP TO 10% SECTION LOSS AT MIDSPAN, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
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:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 BEAM 1: SPALL 1.5 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG EAST FACE AT BENT 1, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	12 SF
Location:		
Beams and Girders	Bent/Span No. 3	BEAM 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 3 BEAM 1: SPALL 4 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG WEST FACE AT BENT 2, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	70 SF
Location:		
Deck Membrane	Bent/Span No. 1	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 DECK: SPALL 35 FT X 2 FT X UP TO 8" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	40 SF
Location:		
Deck Membrane	Bent/Span No. 1	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 DECK: SPALL 8 FT X 5 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, 15 FT FROM END BENT 1, BAY 1, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	63 SF
Location:		
Deck Membrane	Bent/Span No. 1	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 DECK: SPALL 9 FT X 7 FT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, AND HONEYCOMBING, NEAR MIDSPAN, BAY 2, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	3 SF
Location:		
Deck Membrane	Bent/Span No. 1	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 1 DECK: SPALL 3 FT X 6" X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ADJACENT TO PATCH FORMWORK IN BAY, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	8 SF
Location:		
Deck Membrane	Bent/Span No. 5	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 5 DECK: SPALL 4 FT X 2 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 4, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF
Location:		
Pier Cap	Bent/Span No. 1	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 1 CAP : SPALL FULL WIDTH X FULL HEIGHT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT LEFT END, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	4 LF
Location:		
Pier Cap	Bent/Span No. 1	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 1 CAP : SPALL 4 FT X 3 FT X UP TO 5" WITH EXPOSED REBAR, UP TO 100% SECTION LOSS UNDER BEAM 1, AND LOSS OF BEARING AREA, SPAN 1 FACE, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Pier Cap	Bent/Span No. 4	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 4 CAP : SPALL 2 FT X 3 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG END OF CAP, SPAN 4 FACE, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Pier Cap	Bent/Span No. 1	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 1 CAP : SPALL 6 FT X 1 FT X 6" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, AND DETERIORATING CONCRETE UNDER BEAM 1, SPAN 2 FACE, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Pier Cap	Bent/Span No. 1	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 1 CAP : SPALL 2 FT X 1 FT X 6" DEEP WITH EXPOSED REBAR, SECTION LOSS UP TO 25%, AND LOSS OF BEARING AREA FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	4 LF
Location:		
Pier Substructure	Bent/Span No. 2	PILE 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 2 PILE 1: SPALL 4 FT X 10" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG SOUTHWEST CORNER, 5 FT BELOW CAP, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	8 LF
Location:		
Pier Cap	Bent/Span No. 2	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 2 CAP : SPALL 8 FT X 1 FT X 6" WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1, SPAN 2 FACE, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560009

County MADISON

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Pier Cap	Bent/Span No. 2	CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 2 CAP : SPALL 3 FT X 1 FT X 1 FT UNDER BEAM 1 WITH EXP REB, UP TO 10% SEC LOSS, DETERIORATING CON, LOSS OF BEARING FOR BEAM 1, SPAN 2 FACE, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	8 LF
Location:		
Pier Substructure	Bent/Span No. 2	PILE 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
BENT 2 PILE 1: SPALL 8 FT X 1 FT X 8" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG NORTHWEST CORNER, PRIORITY MAINTENANCE		



SPAN 1 DECK: SPALL 35 FT X 2 FT X UP TO 8" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE



SPAN 1 DECK: SPALL 8 FT X 5 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, 15 FT FROM END BENT 1, BAY 1, PRIORITY MAINTENANCE



SPAN 1 DECK: SPALL 9 FT X 7 FT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, AND HONEYCOMBING, NEAR MIDSPAN, BAY 2, PRIORITY MAINTENANCE



SPAN 1 DECK: SPALL 3 FT X 6" X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 50% SECTION LOSS, ADJACENT TO PATCH FORMWORK IN BAY, PRIORITY MAINTENANCE



SPAN 1 BEAM 1: SPALL FULL WIDTH BOT FL X UP TO 16" ALONG BOTH FACES X UP TO 5" DEEP WITH EXP REBAR, UP TO 25% SEC LOSS, FROM MIDSPAN TO END BENT 1, PM



BENT 1 CAP : SPALL FULL WIDTH X FULL HEIGHT X UP TO 6" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT LEFT END, PRIORITY MAINTENANCE



SPAN 1 BEAM 1: SPALL 3 FT X 2 FT X UP TO 5" DEEP WITH EXPOSED REBAR AND DETERIORATING CONCRETE, NO SECTION LOSS, ALONG WEST FACE AT BENT 1, PM



BENT 1 CAP : SPALL 4 FT X 3 FT X UP TO 5" WITH EXPOSED REBAR, UP TO 100% SECTION LOSS UNDER BEAM 1, AND LOSS OF BEARING AREA, SPAN 1 FACE, PM



SPAN 5 BEAM 1: SPALL FULL HEIGHT X FULL WIDTH X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS AT BENT 4 FOR 4 FT, PRIORITY MAINTENANCE



SPAN 5 DECK: SPALL 4 FT X 2 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS
ALONG UNDERSIDE OF LEFT OVERHANG AT BENT 4, PM



BENT 4 CAP : SPALL 2 FT X 3 FT X UP TO 4" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS ALONG
END OF CAP, SPAN 4 FACE, PRIORITY MAINTENANCE



SPAN 4 BEAM 1: SPALL 4 FT X 1 FT X 1 FT WITH EXPOSED REBAR, UP TO 10% SECTION LOSS AT MIDSPAN, PRIORITY MAINTENANCE



BENT 1 CAP : SPALL 6 FT X 1 FT X 6" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, AND
DETERIORATING CONCRETE UNDER BEAM 1, SPAN 2 FACE, PM



SPAN 1 BEAM 1: SPALL 1.5 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG EAST FACE AT BENT 1, PRIORITY MAINTENANCE



BENT 1 CAP : SPALL 2 FT X 1 FT X 6" DEEP WITH EXPOSED REBAR, SECTION LOSS UP TO 25%, AND LOSS OF BEARING AREA FOR BEAM 1, SPAN 2 FACE, PRIORITY MAINTENANCE



BENT 2 PILE 1: SPALL 4 FT X 10" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG SOUTHWEST CORNER, 5 FT BELOW CAP, PRIORITY MAINTENANCE



BENT 2 CAP : SPALL 8 FT X 1 FT X 6" WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1, SPAN 2
FACE, PRIORITY MAINTENANCE



BENT 2 CAP : SPALL 3 FT X 1 FT X 1 FT UNDER BEAM 1 WITH EXP REB, UP TO 10% SEC LOSS,
DETERIORATING CON, LOSS OF BEARING FOR BEAM 1, SPAN 2 FACE, PM



BENT 2 PILE 1: SPALL 8 FT X 1 FT X 8" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG NORTHWEST CORNER, PRIORITY MAINTENANCE

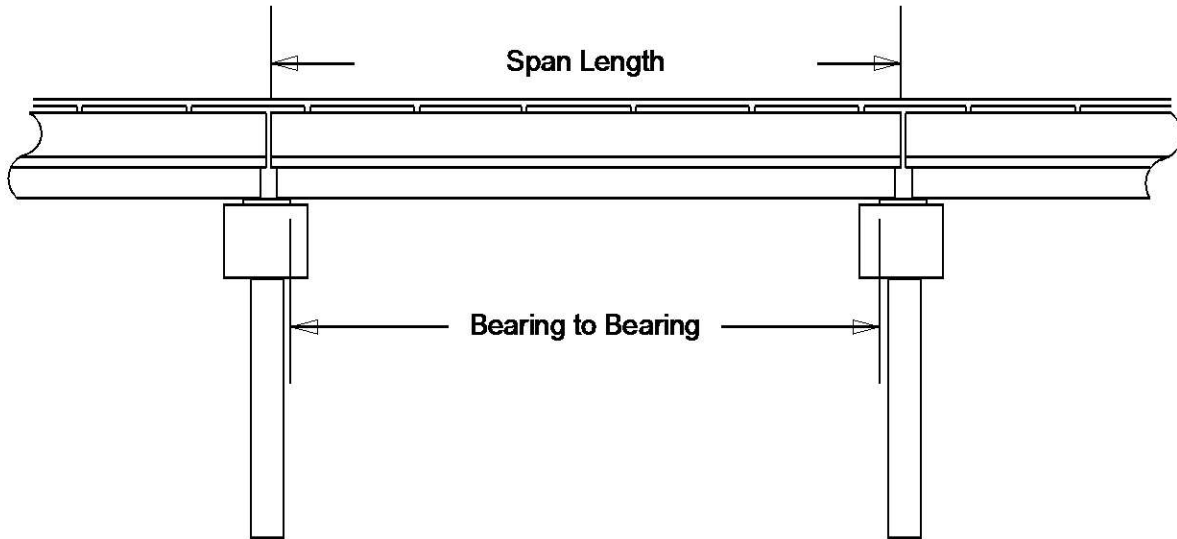


SPAN 3 BEAM 1: SPALL 4 FT X 3 FT X UP TO 4" WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, ALONG WEST FACE AT BENT 2, PRIORITY MAINTENANCE

Structure Data Worksheet

Spans

County: MADISON Structure No: 560009 Date: _____ Inspected By: KMW



Span No	Span Length	Bearing to Bearing	Comments
1	47.917	45'	MEASUREMENTS VERIFIED BY KMW 6/3/16
2	47.417	45'	
3	47.917	45'	
4	47.833	45'	
5	47.917	45'	NBIS BRIDGE LENGTH = 230'-2"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 560009 County: MADISON Date: _____ By: KMW

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
1	2	TOP OF BACKWALL			
2	2	TOP OF BACKWALL			
2.1	6.5	Top of Cap			
4	6.5	Top of Cap			
4.1	7.7	FACE OF CAP	4.1	5.7	FACE OF CAP
13	8.3				
32	14.3				
47.5	24.2	BENT 1	47.5	25.2	BENT 1
53	28.4	Water Surface/Water Edge (WSWE)			
70	29.1				
82	29.1				
95	29.6	BENT 2	95	31.4	BENT 2
110	30.1				
125	30.5				
142.5	31.1	BENT 3	142.5	32.8	BENT 3
160	29.4				
166	28.5	Water Surface/Water Edge (WSWE)			
175	25				
189	21.8	BENT 4	189	19.2	BENT 4
205	14.4				
220	9.3				
233.5	6.9	FACE OF CAP	233.5	7.9	FACE OF CAP
233.6	6.4	Top of Cap			
236.5	6.4	Top of Cap			
236.6	2	TOP OF WINGWALL			

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
237.5	2	TOP OF WINGWALL			

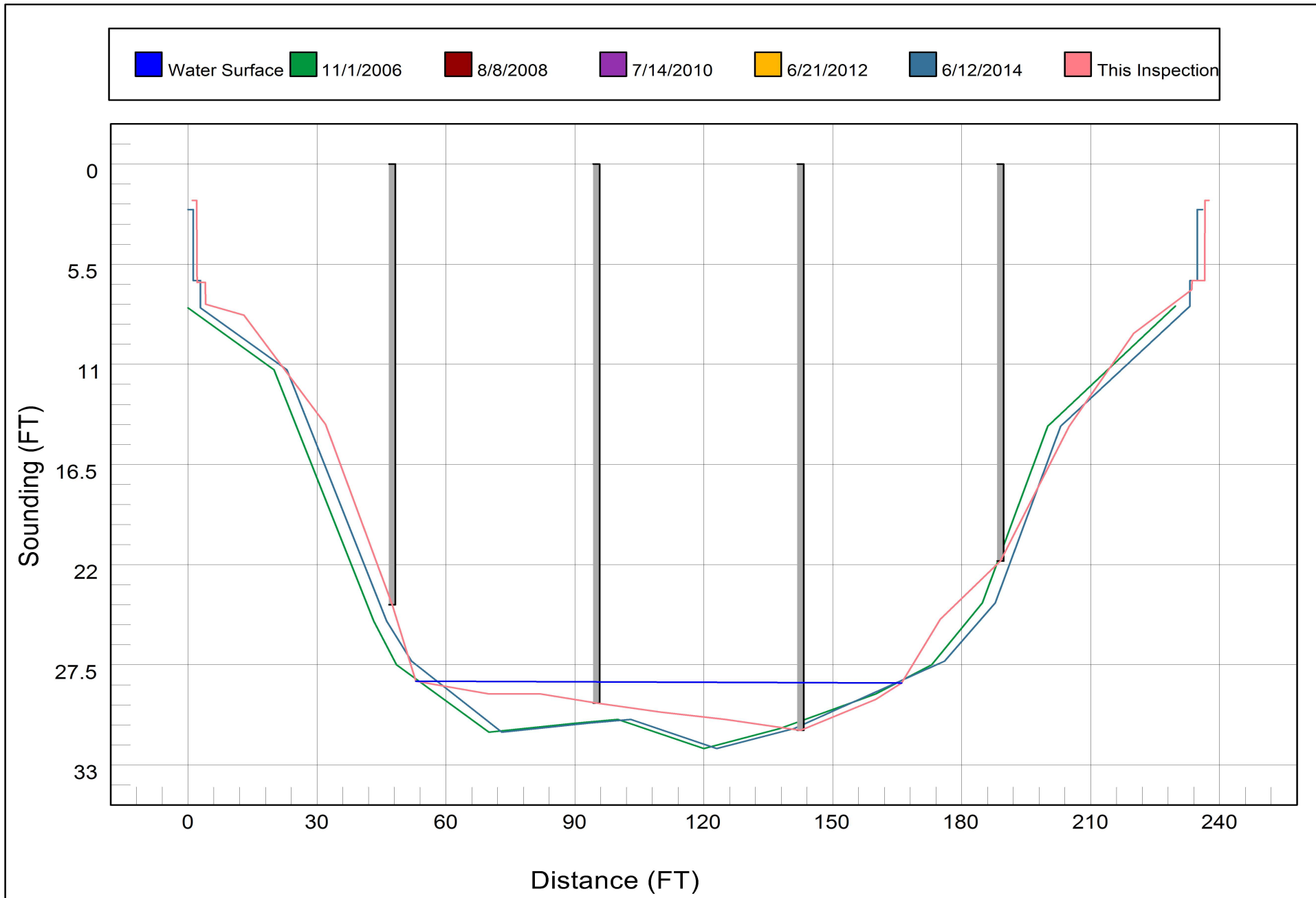
Bridge: 560009

County MADISON

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



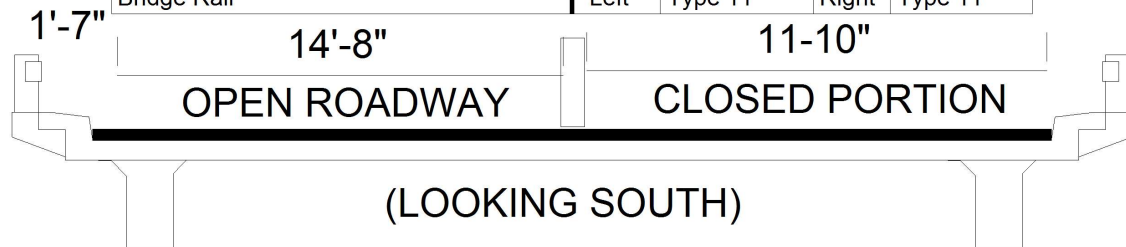
Elastomeric Bearing Defects

Replace if Bearing Displays:			Repair if Bearing Displays:	
Excessive Bulging Bulge > Interior Layer	Unusual Bulge Pattern * Elastomer Separates from Steel Plate	Complete Bulge	Exposed Plates Visually Inspect or Sound with Hammer	Surface Cracks or Spalls Visually Cracking or Spalling at the Surface

Bent No	Beam No.	Bearing State	Comments
1-4			BRIDGE CONTAINS NO ELASTOMERIC BEARING PADS

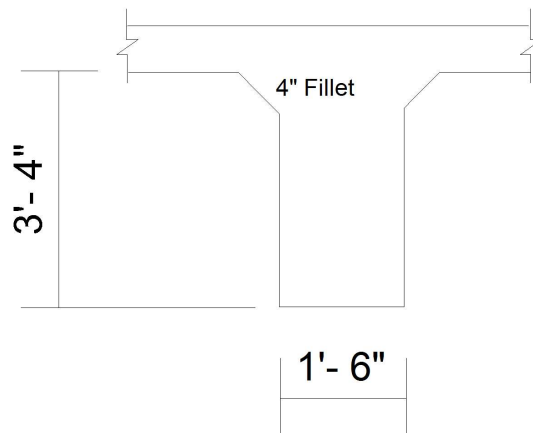
Bridge Inspection Field Sketch

Deck Width/Out to Out	31.5ft	Between Rails	16.250ft
Clear Roadway	14.667ft	Wearing Surface	0.333ft
Median Width		Median Height	
Curb Height		Left 0.5ft	Right 0.5ft
Sidewalk Width		Left	Right
Clear Roadway (Rail to Median)		Left	Right
Guardrail Width		Left	Right
Top of Rail to Deck/Wearing Surface		Left 2.5ft	Right 2.5ft
Bridge Rail		Left Type 11	Right Type 11



Measurements for Span #	1		
Deck Thickness	0.583	Left Overhang	3.25
Top of Rail to Bottom of Beam	6.417	Right Overhang	3.25

Beam Number	Beam Type	Spacing
1 thru 4	RC Deck Girder	8.0ft



Concrete Deck Girder

MEASUREMENTS VERIFIED BY KMW 6/3/16

Title		Description	
Typical Section		Data Worksheet	
Bridge No: 560009	Drawn By: Roy W. Shook	Date: 08/08/2008	File Name: S0318000511

Bridge Inspection Field Sketch



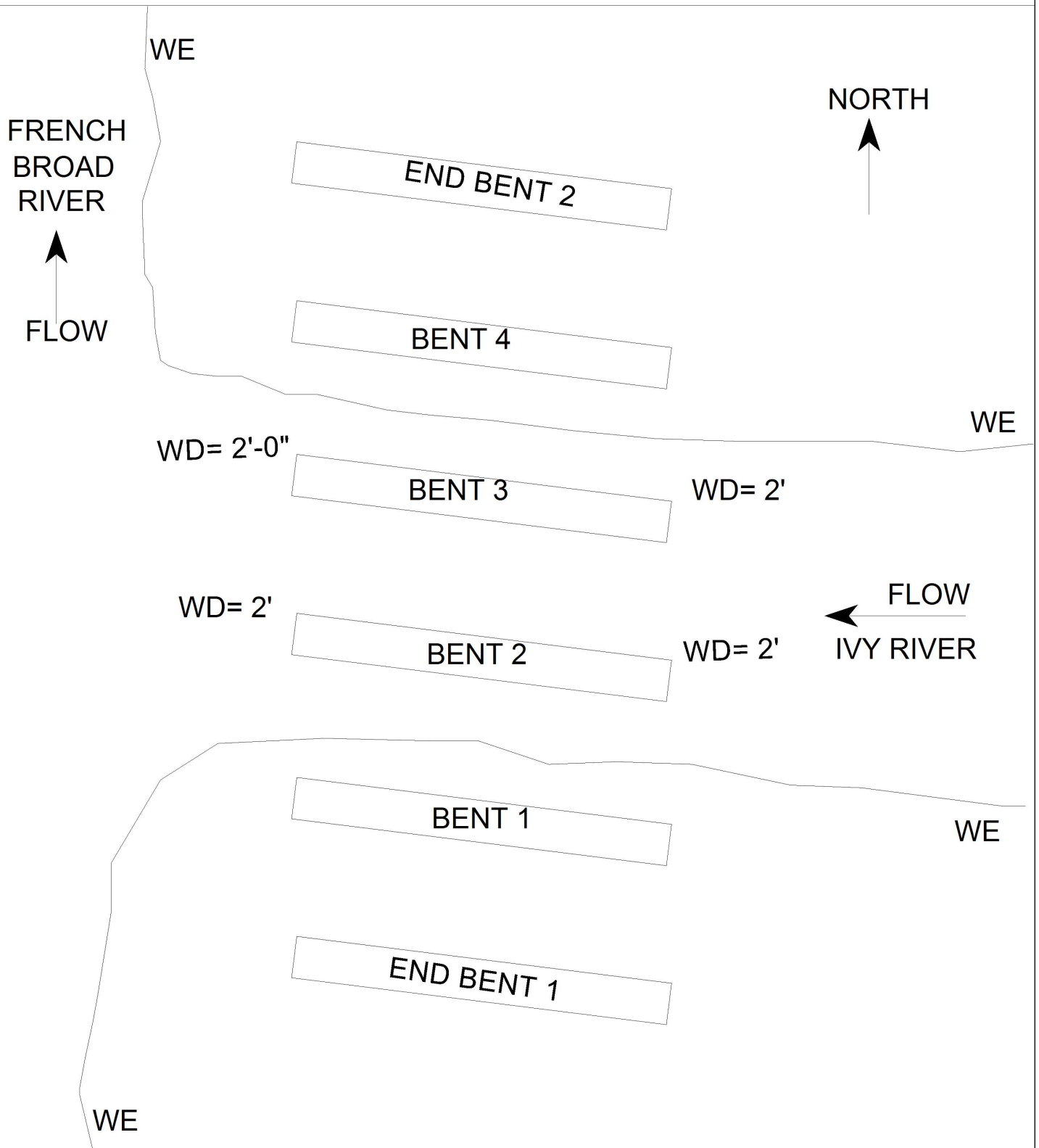
Roadway	13.5ft Wide	1 Paved Lanes	Looking South
Left Shoulder	8ft Wide		8ft Unpaved
Right Shoulder	11ft Wide	11ft Paved	
Left Guardrail			
Right Guardrail			

MEASUREMENTS TAKEN AT NORTH APPROACH

MEASUREMENTS VERIFIED BY KMW 6/3/16

Title Approach Roadway		Description Data Worksheet	
Bridge No: 560009	Drawn By: DDH	Date: 08/08/2008	File Name: S0318000510

Bridge Inspection Field Sketch



Title
PLAN VIEW

Description
PLAN VIEW

Bridge No: 560009

Drawn By: JOHN HOUSTON

Date: 05/26/2015

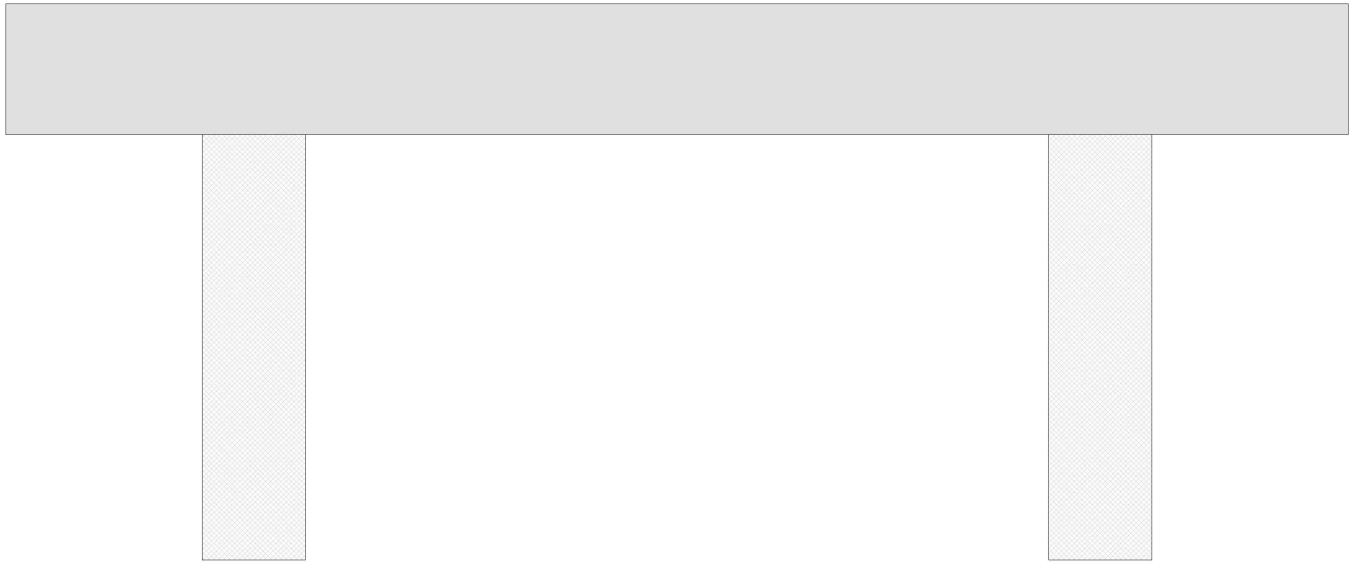
File Name: S0150000413

Bridge Inspection Field Sketch

[illegible]

Title FOOTING EXPOSURES		Description FOOTING EXPOSURES	
Bridge No: 560009	Drawn By: JOHN HOUSTON	Date: 05/26/2015	File Name: S0150000414

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.				
32.500 ft.	3.000 ft.	3.167 ft.	6.000 ft.	6.000 ft.	2.000 ft.	2.000 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	20.5 ft.	2.5 ft.	2.667 ft.		Vertical	No	No	No	No
2	Concrete		2.5 ft.	2.667 ft.		Vertical	No	No	No	No
MEASUREMENTS VERIFIED BY KMW 6/3/16										
Bent/Abutment #: 1			Similar Bents: 2, 3, 4							

Title			Description		
INTERIOR BENTS			SUBSTRUCTURE DETAILS		
Bridge No: 560009	Drawn By: JOE C HUNTSINGER	Date: 06/12/2014	File Name: S0318000513		