



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: 560008 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC251 NBL MILE POST:

LOCATION: .1 MI.S.JCT.US 25,70

FEATURE INTERSECTED: IVY CREEK

LATITUDE: 35° 46' 35.9" LONGITUDE: 82° 38' 50.62"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE: E.BTS:SPILL THRU;INT.BTS:RCRN POST & WEB

SPANS: 5 @ 47'-6"

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

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

POSTED SV: 32 POSTED TTST: 36

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: **560008**

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	7940	4433	800	2707	0
110	0	Reinforced Concrete Open Girder/Beam	Beam	1200	497	277	426	0
205	0	Reinforced Concrete Column	Piles and Columns	18	8	2	8	0
215	0	Reinforced Concrete Abutment	Abutments	82	71	2	9	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	38	0	38	0	0
234	0	Reinforced Concrete Pier Cap	Caps	226	23	21	182	0
301	0	Pourable Joint Seal	Expansion Joints	156	156	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	480	140	10	330	0
510	0	Wearing Surface	Wearing Surfaces	7125	5867	0	1258	0

Element Structure Maintenance Quantities

Structure Number: **560008**

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	11	82	0	9	2	71
Beam	3306	Maintenance Concrete Superstructure Components	703	1200	0	426	277	497
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	340	480	0	330	10	140
Caps	3348	Maintenance of Concrete Substructure	516	226	0	182	21	23
Deck	3326	Maintenance of Concrete Deck	3507	7940	0	2707	800	4433
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	156	0	0	0	156
Footing	3348	Maintenance of Concrete Substructure	38	38	0	0	38	0
Piles and Columns	3348	Maintenance of Concrete Substructure	257	18	0	8	2	8
Wearing Surfaces	2816	Asphalt Surface Repair	1258	7125	0	1258	0	5867

Element Condition and Maintenance Data

Structure Number: **560008**

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	1,588	618	160	810	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
 SCATTERED 2 FT TRANSVERSE CRACKS WITH HEAVY EFFLORESCENCE BUILDUP THROUGHOUT UNDERSIDE OF RIGHT OVERHANG (5 TOTAL)
 TEMPORARY REPAIR TO LEFT EDGE OF DECK AT END BENT 1
 SPALL UP TO FULL WIDTH X 3" DEEP WITH EXPOSED REBAR, UP TO 25% SECTION LOSS, FOR 17 FT FROM END BENT 1 ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE
 SCATTERED EFFLORESCENCE BUILDUP ALONG UNDERSIDE OF LEFT OVERHANG
 END DIAPHRAGM OUTSIDE OF BEAM 1 AT BENT 1 SPALLED OFF WITH EXPOSED REBAR, 10% SECTION LOSS AND HEAVY EFFLORESCENCE BUILDUP

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	49	0	8	41	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 UP TO 2 FT TALL X FULL WIDTH X 3" DEEP WITH EXPOSED REBAR, 20% SECTION LOSS WITH HEAVY EFFLORESCENCE BUILDUP FOR 17 FT FROM END BENT 1, PRIORITY MAINTENANCE
 DELAMINATION UP TO 2 FT TALL AND MAP CRACKING WITH EFFLORESCENCE ALONG BOTTOM AND WEST FACE FOR 12 FT FROM BENT 1

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	4	12	32	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
 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND BOTH FACES FOR 32 FT

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	4	12	32	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 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND BOTH FACES FOR 32 FT					

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	11	12	25	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 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND EAST FACE FOR 20 FT					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	47	10	12	25	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 SCATTERED HAIRLINE MAP CRACKING FOR 25 FT ALONG EAST FACE					

Span 1**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,425	1,247	0	178	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
FULL WIDTH TRANSVERSE CRACK AND MAP CRACKING UP TO 1" WIDE AT END BENT 1 SCATTERED LONGITUDINAL, TRANSVERSE, MAP CRACKING UP TO 1/2" WIDE					

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	0	0	48	0 Feet

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

General Comments

SPALL 5 FT X 8" X UP TO 2" SOUTHWEST CORNER, NO EXPOSED REBAR, PREVIOUS REPAIR DELAMINATING FOR 3 FT
 SPALLING, CRACKING, DELAMINATION FOR 4" WIDE BEHIND BARRIER X 35FT FROM END BENT 1
 SPALL/DELAMINATION UP TO FULL WIDTH OF CURB X FULL LENGTH
 SCATTERED LONGITUDINAL AND VERTICAL CRACKING THROUGHOUT RAIL
 CONCRETE ENDPOST AT BENT 1 MISALIGNMENT UP TO 2" TO THE WEST

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	0	0	48	0 Feet

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

General Comments

SPALL/ DETERIORATING FOR 9" X FULL LENGTH ALONG CURB
 HAIRLINE MAP CRACKING WITH EFFLORESCENCE FOR 4" X FULL LENGTH BEHIND BARRIER

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	1,588	668	160	760	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
 HEAVY EFFLORESCENCE BUILDUP 2 FT WIDE IN RIGHT OVERHANG AT BENT 1 AND BENT 2
 SPALL 10 FT X 4 FT X 4" DEEP WITH EXPOSED REBAR IN BAY 2 NEAR BEAM 2, 10 FT FROM BENT 1, PRIORITY MAINTENANCE
 SPALL FULL LENGTH X FULL WIDTH X UP TO 4" DEEP WITH EXPOSED REBAR WITH UP TO 100% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE
 SPALL 3 FT X 2 FT X UP TO 6" DEEP IN DANGER OF FALLING OFF AT BENT 1, PRIORITY MAINTENANCE

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	49	0	0	49	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 UP TO FULL HEIGHT X UP TO FULL WIDTH X 4" DEEP WITH EXPOSED REBAR WITH 25% SECTION LOSS
 AND HEAVY EFFLORESCENCE BUILDUP, FULL LENGTH, PRIORITY MAINTENANCE
 SPALL 2 FT X 7" X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, AT BENT 2
 TEMPORARY REPAIR AT BENT 1

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	0	0	48	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
 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND BOTH FACES, FULL LENGTH

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	0	0	48	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
 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND BOTH FACES, FULL LENGTH

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	1	12	35	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
 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND BOTH FACES FOR 35 FT FROM BENT 1

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	47	19	12	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
 SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM FOR 8 FT
 AT BENT 1 AND FOR 8 FT AT BENT 2

Span 2**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,425	1,095	0	330	0 Square Feet

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

General Comments

FULL WIDTH TRANSVERSE CRACK AND MAP CRACKING UP TO 1" WIDE AT BENT 1
 SCATTERED LONGITUDINAL, TRANSVERSE, MAP CRACKING UP TO 1/2" WIDE

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	0	0	48	0 Feet

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

General Comments

SPALL, DETERIORATING FOR 4" WIDE X FULL LENGTH BEHIND BARRIER
 SPALL 9" X 4" X 1/2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, 5 FT FROM BENT 1
 SCATTERED LONGITUDINAL AND VERTICAL HAIRLINE CRACKS UP TO 1 FT
 FULL LENGTH X FULL WIDTH DELAMINATION ALONG CURB
 CONCRETE ENDPOST AT BENT 1 MISALIGNMENT UP TO 2" TO THE EAST

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	0	0	48	0 Feet

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

General Comments

SPALL/ DETERIORATING FOR 9" WIDE X FULL LENGTH, WITH EXPOSED REBAR STICKING OUT TOWARDS
 TRAVEL LANE FOR 15 FT, PRIORITY MAINTENANCE
 SURFACE DETERIORATING FOR 4" X FULL LENGTH OUTSIDE BARRIER

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	1,588	1,053	160	375	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
 HEAVY EFFLORESCENCE BUILDUP SCATTERED ALONG UNDERSIDE OF LEFT OVERHANG
 SPALL 3 FT X 3 FT X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, ALONG LEFT OVERHANG AT BENT 2, PRIORITY MAINTENANCE

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	49	13	16	20	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 16" X 5" DEEP ALONG WEST FACE WITH EXPOSED REBAR, NO SECTION LOSS, 20 FT FROM BENT 2
 SPALL 2 FT X 8" X 4" DEEP ALONG WEST FACE, NO EXPOSED REBAR, 20 FT FROM BENT 3
 LONGITUDINAL MAP CRACKING FOR 8 FT ALONG BOTTOM AT BOTH SPALLS
 SPALL 2 FT X 7" X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, AT BENT 2

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	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 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	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 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**Reinforced Concrete Girder 5****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	47	35	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	1,425	925	0	500	0 Square Feet

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

FULL WIDTH TRANSVERSE CRACK UP TO 1" WIDE AT BENT 2
SCATTERED LONGITUDINAL, TRANSVERSE, MAP CRACKING UP TO 1/2" WIDE

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	38	0	10	0 Feet

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

SPALL 7 FT X 9" X 5" DEEP ALONG CURB, NO EXPOSED REBAR AT BENT 2
SCATTERED 16" X UP TO 1/16" VERTICAL CRACKS, (3 TOTAL)

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	34	0	14	0 Feet

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

SCATTERED EXPOSED REBAR UP TO 9" X 4" X 2" IN FACE OF POSTS, NO SECTION LOSS (2 TOTAL)
SCATTERED VERTICAL CRACKS UP TO 16" X 1/16" (9 TOTAL)
3 SURFACE SPALLS UP TO 12" X 9" X 1/2" DEEP NEAR BENT 2, ALONG TOP OF CURB

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	1,588	1,028	160	400	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					

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	49	19	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 SPALL 2 FT X 7" X 7", NO EXPOSED REBAR AT BENT 4 MAP CRACKING UP TO 1/16" FOR 5 FT ALONG WEST FACE NEAR BENT 4, AND FOR 12 FT ALONG EAST FACE AT BENT 3					

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	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 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	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**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**Reinforced Concrete Girder 5****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	47	35	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	1,425	1,295	0	130	0 Square Feet

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

General Comments

FULL WIDTH TRANSVERSE CRACK UP TO 1" WIDE AT BENT 3
SCATTERED LONGITUDINAL, TRANSVERSE, MAP CRACKING UP TO 1/2" WIDE

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	25	10	13	0 Feet

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

General Comments

SCATTERED 16" X UP TO 1/16" VERTICAL CRACKS, (8 TOTAL)
10 FT LONGITUDINAL HAIRLINE CRACK WITH EFFLORESCENCE AT BENT 4 BEHIND BARRIER
SPALL/ DETERIORATING UP TO 5 FT X 9" X 5" DEEP ALONG CURB, NO EXPOSED REBAR

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	21	0	27	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					
DELAMINATION 4 FT X 4" ALONG FACE OF CURB AT BENT 4 SCATTERED VERTICAL CRACKS UP TO 1/16" WIDE (20 TOTAL) SCATTERED SPALLS UP TO 9" X 4" X 1" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, NEAR BENT 3					

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	1,588	1,066	160	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 HEAVY EFFLORESCENCE BUILDUP ALONG UNDERSIDE OF DECK IN BAY 1, 12 FT FROM END BENT 2 HEAVY EFFLORESCENCE AND RUST STAINING SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS DELAMINATION 2 FT X 4" WITH RUST STAINING ALONG UNDERSIDE OF DECK IN LEFT OVERHANG HEAVY EFFLORESCENCE BUILDUP ALONG UNDERSIDE OF DECK IN LEFT OVERHANG 12 FT FROM BENT 4 HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP IN BAY 1 AT BENT 4, ALL OTHER BAYS SIMILAR AND SCATTERED THROUGHOUT					

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	49	3	12	34	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 TWO SPALLS UP TO 18" X 16" X 3" DEEP WITH EXPOSED REBAR, 10% SECTION LOSS, AND DELAMINATION 30" X 6" LOCATED 5 FT FROM END BENT 2 SCATTERED HAIRLINE MAP CRACKING ALONG WEST FACE LONGITUDINAL CRACK 4 FT X UP TO 1/8" ALONG WEST FACE NEAR MIDSPAN EXPOSED REBAR FOR 6", NO SECTION LOSS, 13 FT FROM 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	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 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	33	12	3	0 Feet

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

General CommentsSCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
DELAMINATION 3 FT X 6" ALONG BOTTOM AT BENT 4**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	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 5**Reinforced Concrete Girder 5****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	47	22	25	0	0 Feet

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

General CommentsSCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES
SCATTERED HAIRLINE VERTICAL CRACKS UP TO 2 FT ALONG EAST FACE OF BEAM (13 TOTAL)**Span 5****Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,425	1,305	0	120	0 Square Feet

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

General CommentsFULL WIDTH TRANSVERSE CRACK AND MAP CRACKING UP TO 1" WIDE AT BENT 4 AND END BENT 2
SCATTERED LONGITUDINAL, TRANSVERSE, MAP CRACKING UP TO 1/2" WIDE

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	16	0	32	0 Feet

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

General Comments

SPALL 8" X 4" X 1" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, 6 FT FROM BENT 4
 SCATTERED SPALLS UP TO 8" X 4" X 1" DEEP WITH EXPOSED REBAR, NO SECTION LOSS (5 TOTAL)
 VERTICAL CRACKING UP TO 16" X 1/16" SCATTERED THROUGHOUT (18 TOTAL)
 SCATTERED LONGITUDINAL CRACKS UP TO 8" X 1/16" WIDE NEAR CONCRETE POSTS

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	6	0	42	0 Feet

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

General Comments

SPALL 14" X 1 FT X 10" WITH EXPOSED REBAR, NO SECTION LOSS, AT END BENT 2
 SPALL 40" X 6" X 6" WITH EXPOSED REBAR, NO SECTION LOSS, 5 FT FROM END BENT 2
 SCATTERED SPALLS UP TO 14" X 2" X 2" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, 5 FT FROM END BENT 2
 SCATTERED VERTICAL CRACKS UP TO 1/16" WIDE (13 TOTAL)
 SCATTERED LONGITUDINAL CRACKING UP TO 1/16" WIDE (7 TOTAL)

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	36	3	0	33	0 Feet

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

General Comments

FULL HEIGHT VERTICAL CRACK UP TO 1/16" IN BAY 2 WALL, SPAN 1 FACE
 HEAVY EFFLORESCENCE BUILDUP FOR 2 FT UNDER BEAM 4, SPAN 1 FACE
 HEAVY EFFLORESCENCE FOR 2 FT IN BAY 2, AND FROM BEAM 2 TO LEFT END, SPAN 1 FACE
 FULL HEIGHT VERTICAL CRACK UP TO 1/16" IN BAY 1 WALL, SPAN 1 FACE
 HORIZONTAL CRACK 18 FT X UP TO 1/8" WITH RUST STAINING ALONG BOTTOM ABOVE BAY 1 WALL, SPAN 1 FACE
 SPALL 3 FT X 1 FT X 6" ALONG LEFT END, NO EXPOSED REBAR

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 SPAN 1 FACE AND WEST FACE
VERTICAL CRACK 6 FT X UP TO 1/16" NEAR TOP, SPAN 1 FACE

Bent 1**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

SPALL 3.5 FT X 8" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG BASE AT SOUTHEAST CORNER, SPAN 1, PRIORITY MAINTENANCE
VERTICAL CRACK 2 FT X UP TO 1/16" AT BASE ALONG SPAN 1 FACE
VERTICAL CRACK 2 FT X UP TO 1/16" AT BASE ALONG WEST FACE, SPAN 1 SIDE
HEAVY EFFLORESCENCE BUILDUP ALONG WEST FACE, SPAN 1 SIDE, FULL HEIGHT

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	0	0	41	0 Feet

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

General Comments

UNDERMINING UP TO 3 FT, FULL LENGTH
2 FT HAIRLINE VERTICAL CRACK IN FACE NEAR BEAM 4, SIMILAR AT BEAM 3
HEAVY EFFLORESCENCE BUILDUP FOR 2 FT UNDER BEAM 2 AND FOR 6 FT FROM BEAM 1 TO END
2 FT OF HAIRLINE MAP CRACKING WITH RUST STAINING IN FACE, BAY 1

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	30	2	9	0 Feet

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

General Comments

2 FT HAIRLINE VERTICAL CRACK IN BACKWALL NEAR BEAM 4, SIMILAR AT BEAM 3
6 FT OF HAIRLINE MAP CRACKING WITH HEAVY EFFLORESCENCE BUILD UP IN THE BACKWALL, BAY 1
2.5 FT OF MAP CRACKING UP TO 1/16" WITH DETERIORATING CONCRETE OUTSIDE OF BEAM 1
HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN SOUTHWEST WINGWALL

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	36	0	0	36	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

0

0

0

0

General Comments

ABRAISION FULL LENGTH AT WATERLINE, BUT AGGREGATE REMAINS SECURE, BOTH SPAN 2 AND SPAN 3 FACE
 DIAGONAL CRACK 6 FT X UP TO 1/16" IN BAY 2 WALL, STARTING AT BAY 4, SPAN 2 FACE
 FULL HEIGHT VERTICAL CRACK UP TO 1/8" IN BAY 1 WALL, SPAN 2 FACE
 HEAVY EFFLORESCENCE BUILDUP ALONG LEFT END IN BAY 1, SPAN 2 FACE, SIMILAR IN BAY 2 AND 3 AND UNDER BEAMS 1-4
 FULL HEIGHT VERTICAL CRACK UP TO 1/16" IN BAY 1 WALL, SPAN 3 FACE
 DELAMINATION/SPALL 3 FT X 1 FT X 3" IN IMMINENT DANGER OF FALLING, IN BAY NEAR BEAM 1, SPAN 3 FACE, PRIORITY MAINTENANCE
 SPALL/DELAMINATION 15 FT X 6" WITH RUST STAINING AND EXPOSED REBAR WITH 10% SECTION LOSS, ALONG BOTTOM OF CAP, BAY 1 WALL, SPAN 3 FACE, PRIORITY MAINTENANCE
 SPALL 4 FT X 1 FT X 2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS ALONG BOTTOM OF CAP, BAY 1, SPAN 3 FACE
 LONGITUDINAL CRACK 7 FT X UP TO 1/4" WITH RUST STAINING ALONG BOTTOM OF CAP NEAR COLUMN 2
 HORIZONTAL CRACK 13 FT X 1/8" WITH RUST STAINING AND EFFLORESCENCE ALONG BOTTOM OF CAP, BAY 2 WALL
 SPALL 3 FT X 6" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS UNDER BEAM 3, AT TOP OF COLUMN, SPAN 3 FACE
 SCATTERED EFFLORESCENCE BUILDUP THROUGHOUT CAP, SPAN 3 FACE
 SPALL 3 FT X 6" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS UNDER BEAM 4, BOTTOM OF CAP, SPAN 3 FACE
 1 FT DIAMETER DELAMINATION UNDER BEAM 4, SPAN 3 FACE
 SPALL 6" DIAMETER X 2" DEEP AT BEAM 4, SPAN 3 FACE

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 1/2" LOSS TO SURFACE CONCRETE WITH RANDOM HAIRLINE CRACKS. CRACK IN WEB REMAINS THE SAME AS PREVIOUS INSPECTIONS, HAIRLINE VISIBLE ON BOTH SIDES. WATER DEPTH AT TIME OF INSPECTION WAS 2".

DELAMINATION 4 FT X 6" X 4" AT MIDHEIGHT ALONG SOUTHEAST CORNER, SPAN 2
 HEAVY EFFLORESCENCE BUILDUP ALONG SPAN 2 FACE
 DELAMINATION 3 FT X 8" X 4" AT TOP ALONG SOUTHEAST CORNER, SPAN 2
 SPALL 3 FT X 6" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, AT MIDHEIGHT ALONG NORTHEAST CORNER, SPAN 3 FACE, PRIORITY MAINTENANCE
 DELAMINATION 5 FT X 4" X 4" ALONG NORTHEAST CORNER, JUST BELOW SPALL, SPAN 3 FACE
 SPALL 12" X 8" X 1.5" DEEP, NO EXPOSED REBAR, SPAN 3 FACE
 SPALL 5 FT X 6" X 4" WITH EXPOSED REBAR, NO SECTION LOSS, WITH HEAVY EFFLORESCENCE BUILDUP ALONG NORTHEAST CORNER NEAR CAP, PRIORITY MAINTENANCE

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	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 1/2" LOSS TO SURFACE CONCRETE WITH RANDOM HAIRLINE CRACKS. WATER DEPTH AT TIME OF INSPECTION WAS 3".

VERTICAL CRACK 2 FT X UP TO 1/16" AT MIDHEIGHT ALONG SPAN 2 FACE
 VERTICAL CRACK 2 FT X UP TO 1/16" WITH HEAVY RUST STAINING 8 FT BELOW CAP ALONG SPAN 3 FACE
 VERTICAL CRACK 12 FT X UP TO 1/4" WITH HEAVY EFFLORESCENCE ALONG WEST FACE, SPAN 3 SIDE
 VERTICAL CRACK 8 FT X UP TO 1/8" WITH HEAVY EFFLORESCENCE ALONG SPAN 3 FACE
 SPALL 3 FT X 6" X 6", NO EXPOSED REBAR, WITH RUST STAINING ALONG NORTHEAST CORNER, SPAN 3
 FACE, PREVIOUS REPAIR

Bent 2**Reinforced Concrete Column 3****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
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 1/2" LOSS TO SURFACE CONCRETE WITH RANDOM HAIRLINE CRACKS. WATER DEPTH AT TIME OF INSPECTION WAS 4".

VERTICAL CRACK 4 FT X UP TO 1/8" AT MIDHEIGHT ALONG WEST FACE, SPAN 3 SIDE
 TWO VERTICAL CRACKS UP TO 3 FT X 1/16" ALONG SPAN 3 FACE
 PATCHED AREA 3 FT X 6" X 6" WITH 1/16" CRACKING ALONG NORTHWEST CORNER, SPAN 3 SIDE

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	20	21	0	0 Feet

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

General Comments

1 FT HAIRLINE VERTICAL CRACK AT CONCRETE STEP AT BEAM 4 (SIMILAR AT ALL OTHER BEAMS)
 UNDERMINING UP TO 3 FT DEEP X 16 FT LONG UNDER BEAMS 3-5

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	38	0	38	0	0 Feet

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

General Comments

38 Feet of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE TO EXPOSED AREAS.

UNDERWATER

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	36	0	0	36	0 Feet

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

General Comments

SPALL 2 FT X 2 FT X 3" UNDER BEAM 1, SPAN 4 FACE, RESULTING IN LOSS OF BEARING AREA, PRIORITY MAINTENANCE
 FULL HEIGHT VERTICAL CRACK UP TO 1/8" IN BAY 1 WALL, SPAN 4 FACE
 DELAMINATION 2 FT DIAMETER IN BAY 1 WALL, SPAN 4 FACE
 SPALL 15 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1 AND IN BAY 1, SPAN 4 FACE, PRIORITY MAINTENANCE
 SPALL 2 FT X 7" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 2, SPAN 4 FACE, PRIORITY MAINTENANCE
 DELAMINATION 2 FT X 1 FT UNDER SPALL UNDER BEAM 2, SPAN 4 FACE
 HAIRLINE MAP CRACKING FULL WIDTH OF BAY 2, SPAN 4 FACE
 SPALL 18" X 6" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 3, SPAN 4 FACE, PRIORITY MAINTENANCE
 FULL HEIGHT VERTICAL HAIRLINE CRACK IN BAY 2 WALL, SPAN 4 FACE
 SPALL/DELAMINATION 10 FT X 1 FT X 1 FT WITH EXPOSED REBAR, 25% SECTION LOSS, ABOVE BAY 2 WALL, PRIORITY MAINTENANCE
 SPALL 6" DIAMETER X 1" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, UNDER BEAM 4, SPAN 4 FACE
 SPALL 18" X 18" X 2" DEEP, NO EXPOSED REBAR ABOVE COLUMN 3, SPAN 4 FACE
 DELAMINATION 4 FT X 4" AT TOP OF COLUMN 3, SPAN 4 FACE
 FULL HEIGHT VERTICAL CRACK UP TO 1/16" IN BAY 2 WALL, SPAN 3 FACE
 HORIZONTAL CRACK 4 FT X UP TO 1/8" UNDER BEAM 4, SPAN 3 FACE
 ABRASION FULL LENGTH AT WATERLINE, BUT AGGREGATE REMAINS SECURE, SPAN 3 FACE
 DELAMINATION 6 FT X 1 FT ADJACENT TO FULL HEIGHT VERTICAL CRACK UP TO 1/16" WITH RUST STAINING AND EFFLORESCENCE IN BAY 1 WALL, SPAN 3 FACE
 SPALL/DELAMINATION 6 FT X 1 FT X 6" WITH EXPOSED REBAR, 10% SECTION LOSS, NEAR COLUMN 1, SPAN 3 FACE, PRIORITY MAINTENANCE
 SPALL WITH DETERIORATING CONCRETE 3 FT X 2 FT X UP TO 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, ALONG LEFT END OF CAP NEAR BEAM 1 BEARING, PRIORITY MAINTENANCE

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/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE WITH RANDOM HAIRLINE CRACKS. WATER DEPTH AT TIME OF INSPECTION WAS 2".
 HEAVY EFFLORESCENCE BUILDUP ALONG SPAN 4 FACE
 VERTICAL CRACK 8 FT X UP TO 1/16" NEAR WATERLINE ALONG SPAN 3 FACE
 VERTICAL CRACK 8 FT X UP TO 1/16" NEAR WATERLINE ALONG EAST FACE, SPAN 3 SIDE
 VERTICAL CRACK 4 FT X UP TO 1/8" NEAR CAP ALONG SPAN 3 FACE
 VERTICAL CRACK 4 FT X UP TO 1/8" NEAR CAP ALONG EAST FACE, SPAN 3 SIDE
 HEAVY EFFLORESCENCE BUILDUP FOR 6 FT NEAR TOP, SPAN 3 FACE

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

DELAMINATION 10 FT X 6" X 4" WITH RUST STAINING WITH HEAVY EFFLORESCENCE FOR TOP 4 FT ALONG SPAN 4 FACE
 VERTICAL CRACK 6 FT X UP TO 1/16" ALONG SPAN 4 FACE
 VERTICAL CRACK 4 FT X UP TO 1/8" WITH RUST STAINING ALONG EAST FACE, SPAN 4 SIDE
 VERTICAL CRACK 3 FT X UP TO 1/16" ALONG SPAN 3 FACE
 VERTICAL CRACK 8 FT X UP TO 1/16" ALONG EAST FACE, SPAN 3 SIDE

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	36	0	0	36	0 Feet

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

General Comments

SPALL 14" X 7" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, ALONG SPAN 5 FACE UNDER BEAM 1
 DELAMINATION 5 FT X 2.5 FT IN BAY 1 WALL, SPAN 5 FACE
 FULL HEIGHT VERTICAL CRACK UP TO 1/16" WITH RUST STAINING IN BAY 1 WALL, SPAN 5 FACE
 SPALL 19 FT X 1 FT X 1 FT WITH EXPOSED REBAR WITH 5% SECTION LOSS UNDER BEAMS 2, 3 AND 4, PRIORITY MAINTENANCE
 HEAVY EFFLORESCENCE BUILDUP FOR 6 FT IN BAY 1 AND UNDER BEAM 2, FOR 9 FT IN BAY 2 AND UNDER BEAM 3 AND FOR 3 FT UNDER BEAM 4, SPAN 5 FACE
 SPALL 8" X 6" X 2" DEEP, NO EXPOSED REBAR, UNDER BEAM 3, SPAN 5 FACE
 DELAMINATION 6" X 6" IN BAY, SPAN 5 FACE
 3 FT OF HAIRLINE MAP CRACKING IN BAY 4, SPAN 5 FACE
 DELAMINATION 4 FT X 4 FT X 2" UNDER BEAM 4, SPAN 4 FACE
 DELAMINATION 5 FT X 6" X 4" IN BAY 3, SPAN 4 FACE
 SPALL/DELAMINATION 12 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, UNDER BEAMS 2 AND 3, SPAN 4 FACE
 FULL HEIGHT VERTICAL HAIRLINE CRACK IN BAY 2 WALL, SIMILAR IN BAY 1
 EFFLORESCENCE BUILDUP FOR 3 FT UNDER BEAMS 1 AND 2 EACH AND FOR 3 FT IN BAY 1
 SPALL 3 FT X 6" X 4", NO EXPOSED REBAR, NEAR LEFT END, 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

HEAVY EFFLORESCENCE BUILDUP ALONG SPAN 5 FACE, SPAN 4 FACE SIMILAR
 VERTICAL CRACK 6 FT X UP TO 1/8" WITH HEAVY EFFLORESCENCE ALONG SPAN 4 FACE

Bent 4**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

DELAMINATION 6 FT X 3 FT ALONG SPAN 5 FACE
HEAVING EFFLORESCE AND RUST STAINING THROUGHOUT
SPALL 5 FT X 9" X 8" WITH EXPOSED REBAR WITH 10% SECTION LOSS ALONG SOUTHWEST CORNER IN SPAN 4, PRIORITY MAINTENANCE
VERTICAL CRACK 4 FT X UP TO 1/16" ALONG SPAN 4 FACE

Bent 4**Reinforced Concrete Column 3****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
0			0	0	0

General Comments

VEGETATION GROWTH ALONG SPAN 5 FACE

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1		Reinforced Concrete Deck	Reinforced Concrete Deck	1588
Span 1		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	49
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	47
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	1425
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
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 Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	41
Span 2		Reinforced Concrete Deck	Reinforced Concrete Deck	1588
Span 2		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	49
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	47
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	1425
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
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 Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	41
Span 3		Reinforced Concrete Deck	Reinforced Concrete Deck	1588
Span 3		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	49
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	47
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	1425
Bent 3		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
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	1588
Span 4		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	49

Elements Verified

Location	Name	Component	Element Name	Amount
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	47
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	1425
Bent 4		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
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	1588
Span 5		Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	49
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	47
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	1425

National Bridge and NC Inspection Items

Structure Number: 560008

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	7940	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	F	18	3350
Field Scour Evaluation		L		
Drift	G, F, P, or C	F	16	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: 560008

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 LEFT 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	Presently Posted	Grade	Y	Maint Code	Qty.	0
Details	SV 32 TONS, TTST 36 TONS					
Item	Deck Debris	Grade	F	Maint Code	3376	Qty. 7940
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					
Item	Drift	Grade	F	Maint Code	3366	Qty. 16
Details	DRIFT AT UPSTREAM END OF BENT 2 AND ALONG SPAN 2 FACE					
Item	Wingwalls	Grade	F	Maint Code	3350	Qty. 18
Details	HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN SOUTHWEST WINGWALL					



Span 1 Left Bridge Rail: SPALL 5 FT X 8" X UP TO 2" SOUTHWEST CORNER, NO EXPOSED REBAR, PREVIOUS REPAIR DELAMINATING FOR 3 FT



HEAVY VEGETATION AND DEBRIS ALONG LEFT GUTTER SIMILAR ALONG RIGHT



Span 1 Left Bridge Rail: SPALLING, CRACKING, DELAMINATION FOR 4" WIDE BEHIND BARRIER X 35 FT FROM END BENT 1



Span 1 Left Bridge Rail: SPALL/DELAMINATION UP TO FULL WIDTH OF CURB X FULL LENGTH



Span 1 Left Bridge Rail: SCATTERED LONGITUDINAL AND VERTICAL CRACKING THROUGHOUT RAIL



Span 1 Left Bridge Rail: CONCRETE ENDPOST AT BENT 1 MISALIGNMENT UP TO 2" TO THE WEST



Span 4 Left Bridge Rail: 10 FT LONGITUDINAL HAIRLINE CRACKS WITH EFFLORESCENCE AT BENT 4



Span 2 Left Bridge Rail: SPALL, DETERIORATING FOR 4" WIDE X FULL LENGTH BEHIND BARRIER



Span 5 Left Bridge Rail: SPALL 8" X 4" X 1" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, 6 FT FROM BENT
4



Span 5 Right Bridge Rail: SPALL 14" X 1FT X 10" WITH EXPOSED REBAR, NO SECTION LOSS, AT END BENT 2



Span 5 Right Bridge Rail: SCATTERED SPALLS UP TO 14" X 2" X 2" DEEP WITH EXPOSED REBAR, UP TO 100 PERCENT SECTION LOSS, 5 FT FROM END BENT 2



Span 2 Right Bridge Rail: SPALL/ DETERIORATING FOR 9" WIDE X FULL LENGTH, WITH EXPOSED REBAR STICKING OUT TOWARDS TRAVEL LANE FOR 15 FT, PRIORITY MAINTENANCE



Span 1 Right Bridge Rail: HAIRLINE MAP CRACKING WITH EFFLORESCENCE FOR 4" X FULL LENGTH BEHIND BARRIER



Span 1 Wearing Surface: FULL WIDTH TRANSVERSE CRACK AND MAP CRACKING UP TO 1" WIDE AT END BENT 1



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



Span 1 Wearing Surface: SCATTERED LONGITUDINAL, TRANSVERSE AND MAP CRACKING UP TO 1/2" WIDE



End Bent 2 Cap : 1 FT HAIRLINE VERTICAL CRACK AT CONCRETE STEP AT BEAM 4



End Bent 2 Cap : UNDERMINING UP TO 3 FT DEEP X 16 FT LONG UNDER BEAMS 3-5



Span 5 Beam 5: SCATTERED HAIRLINE VERTICAL CRACKS UP TO 2 FT ALONG EAST FACE OF BEAM (13 TOTAL)



Span 5 Beam 2: SCATTERED SURFACE DETERIORATION ALONG BOTTOM AND SIDE FACES



Span 5 Beam 1: TWO SPALLS UP TO 18" X 16" X 3" DEEP WITH EXPOSED REBAR, 10% SECTION LOSS, AND DELAMINATION 30" X 6" LOCATED 5 FT FROM END BENT 2



Span 5 Beam 1: SCATTERED HAIRLINE MAP CRACKING ALONG WEST FACE



Span 5 Beam 1: LONGITUDINAL CRACK 4 FT X UP TO 1/8" ALONG WEST FACE NEAR MIDSPAN



Span 5 Deck: HEAVY EFFLORESCENCE BUILDUP ALONG UNDERSIDE OF DECK IN BAY 1, 12 FT FROM END BENT 2



Span 5 Deck: DELAMINATION 2 FT X 4" WITH RUST STAINING ALONG UNDERSIDE OF DECK IN LEFT OVERHANG



Span 5 Deck: HEAVY EFFLORESCENCE BUILDUP ALONG UNDERSIDE OF DECK IN LEFT OVERHANG 12 FT FROM BENT 4



Span 5 Deck: HAIRLINE MAP CRACKING WITH EFFLORESCENCE BUILDUP IN BAY 1 AT BENT 4



Bent 4 Pile 1: HEAVY EFFLORESCENCE BUILDUP ALONG SPAN 5 FACE



Bent 4 Cap : DELAMINATION 5 FT X 2.5 FT IN BAY 1 WALL, SPAN 5 FACE



Bent 4 Cap : SPALL 19 FT X 1 FT X 1 FT WITH EXPOSED REBAR WITH 5% SECTION LOSS UNDER BEAMS 2, 3 AND 4, PRIORITY MAINTENANCE



END DIAPHRAGM AT BENT 4, BAY 2, SPAN 5 FACE, CRACKING WITH EFFLORESCENCE BUILDUP, TYPICAL THROUGHOUT



Bent 4 Cap : SPALL 8" X 6" X 2" DEEP, NO EXPOSED REBAR, UNDER BEAM 3, SPAN 5 FACE



Span 5 Beam 3: DELAMINATION 3 FT X 6" ALONG BOTTOM AT BENT 4



Bent 4 Pile 3: VEGETATION GROWTH ALONG SPAN 5 FACE



Bent 4 Cap : SPALL/DELAMINATION 12 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, UNDER BEAMS 2 AND 3, SPAN 4 FACE



Bent 4 Pile 2: SPALL 5 FT X 9" X 8" WITH EXPOSED REBAR WITH 10% SECTION LOSS ALONG SOUTHWEST CORNER IN SPAN 4, PRIORITY MAINTENANCE



Span 4 Beam 1: SPALL 2 FT X 7" X 7", NO EXPOSED REBAR AT BENT 4



Bent 3 Cap : SPALL 2 FT X 2 FT X 3" UNDER BEAM 1, SPAN 4 FACE, RESULTING IN LOSS OF BEARING AREA, PRIORITY MAINTENANCE



Bent 3 Cap : SPALL 15 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1 AND IN BAY 1, SPAN 4 FACE, PRIORITY MAINTENANCE



Bent 3 Cap : SPALL 2 FT X 7" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 2, SPAN 4 FACE, PRIORITY MAINTENANCE



Bent 3 Cap : SPALL 18" X 6" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 3, SPAN 4 FACE, PRIORITY MAINTENANCE



Bent 3 Cap : SPALL/DELAMINATION 10 FT X 1 FT X 1 FT WITH EXPOSED REBAR, 25% SECTION LOSS, ABOVE BAY 2 WALL, PRIORITY MAINTENANCE



Bent 3 Cap : SPALL 18" X 18" X 2" DEEP, NO EXPOSED REBAR ABOVE COLUMN 3, SPAN 4 FACE



Bent 3 Cap : ABRAISION FULL LENGTH AT WATERLINE, BUT AGGREGATE REMAINS SECURE, SPAN 3 FACE



Bent 3 Cap : DELAMINATION 6 FT X 1 FT ADJACENT TO FULL HEIGHT VERTICAL CRACK UP TO 1/16" WITH RUST STAINING AND EFFLORESCENCE IN BAY 1 WALL, SPAN 3 FACE



Bent 3 Cap : SPALL/DELAMINATION 6 FT X 1 FT X 6" WITH EXPOSED REBAR, 10% SECTION LOSS, NEAR COLUMN 1, SPAN 3 FACE, PRIORITY MAINTENANCE



Bent 3 Cap : SPALL WITH DETERIORATING CONCRETE 3 FT X 2 FT X UP TO 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, ALONG LEFT END OF CAP NEAR BEAM 1 BEARING, PRIORITY MAINTENANCE



DRIFT AT UPSTREAM END OF BENT 2 AND ALONG SPAN 2 FACE



Span 2 Beam 2: SCATTERED LONGITUDINAL AND MAP CRACKING WITH EFFLORESCENCE BUILDUP ALONG BOTTOM AND BOTH FACES, FULL LENGTH



Span 2 Deck: SPALL 10 FT X 4 FT X 4" DEEP WITH EXPOSED REBAR IN BAY 2 NEAR BEAM 2, 10 FT FROM BENT 1, PRIORITY MAINTENANCE



Bent 1 Pile 2: SPALL 3.5 FT X 8" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG BASE AT SOUTHEAST CORNER, SPAN 1, PRIORITY MAINTENANCE



Bent 1 Cap : HORIZONTAL CRACK 18 FT X UP TO 1/8" WITH RUST STAINING ALONG BOTTOM ABOVE BAY 1 WALL, SPAN 1 FACE



Span 1 Beam 1: SPALL UP TO 2 FT TALL X FULL WIDTH X 3" DEEP WITH EXPOSED REBAR, 20% SECTION LOSS WITH HEAVY EFFLORESCENCE BUILDUP FOR 17 FT FROM END BENT 1, PRIORITY MAINTENANCE



Span 1 Deck: TEMPORARY REPAIR TO LEFT EDGE OF DECK AT END BENT 1



Span 1 Deck: SPALL UP TO FULL WIDTH X 3" DEEP FOR 17 FT FROM END BENT 1 ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE



Span 3 Beam 1: SPALL 4 FT X 16" X 5" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, 20 FT FROM BENT 2



Bent 2 Pile 1: SPALL 3 FT X 6" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, AT MIDHEIGHT ALONG NORTHEAST CORNER, SPAN 3 FACE, PRIORITY MAINTENANCE



Bent 2 Pile 1: SPALL 5 FT X 6" X 4" WITH EXPOSED REBAR, NO SECTION LOSS, WITH HEAVY EFFLORESCENCE BUILDUP ALONG NORTHEAST CORNER NEAR CAP



Bent 2 Cap : DELAMINATION/SPALL 3 FT X 1 FT X 3" IN IMMINENT DANGER OF FALLING, IN BAY NEAR BEAM 1, SPAN 3 FACE, PRIORITY MAINTENANCE



Bent 2 Cap : SPALL/DELAMINATION 15 FT X 6" WITH RUST STAINING AND EXPOSED REBAR WITH 10% SECTION LOSS, ALONG BOTTOM OF CAP, BAY 1 WALL, SPAN 3 FACE, PRIORITY MAINTENANCE



Bent 2 Cap : SPALL 4 FT X 1 FT X 2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS ALONG BOTTOM OF CAP, BAY 1, SPAN 3 FACE



Bent 2 Pile 2: SPALL 3 FT X 6" X 6" WITH RUST STAINING ALONG NORTHEAST CORNER, SPAN 3 FACE, PREVIOUS REPAIR



Bent 2 Pile 2: PATCHED AREA 3 FT X 6" X 6" WITH 1/16" CRACKING ALONG NORTHWEST CORNER, SPAN 3 SIDE



Bent 2 Cap : SPALL 3 FT X 6" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS UNDER BEAM 3 AT TOP OF COLUMN



Bent 2 Cap : SPALL 3 FT X 6" X 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS UNDER BEAM 4, BOTTOM OF CAP, SPAN 3 FACE



Bent 2 Cap : SPALL 6" DIAMETER X 2" DEEP AT BEAM 4, SPAN 3 FACE



Span 2 Beam 1: SPALL UP TO FULL HEIGHT X UP TO FULL WIDTH X 4" DEEP WITH EXPOSED REBAR WITH 25% SECTION LOSS AND HEAVY EFFLORESCENCE BUILDUP, FULL LENGTH, PRIORITY MAINTENANCE



Span 3 Deck: SPALL 3 FT X 3 FT X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, ALONG LEFT OVERHANG AT BENT 2, PRIORITY MAINTENANCE



Span 3 Beam 1: SPALL 2 FT X 7" X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, AT BENT 2



Span 2 Beam 1: SPALL 2 FT X 7" X UP TO 3" DEEP WITH EXPOSED REBAR, NO SECTION LOSS, AT BENT 2



Span 2 Beam 1: TEMPORARY REPAIR AT BENT 1



Span 2 Deck: SPALL FULL LENGTH X FULL WIDTH X UP TO 4" DEEP WITH EXPOSED REBAR WITH UP TO 100% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG, PRIORITY MAINTENANCE



Span 2 Deck: SPALL 3 FT X 2 FT X UP TO 6" DEEP IN DANGER OF FALLING OFF AT BENT 1, PRIORITY MAINTENANCE



NORTH APPROACH LOOKING NORTH



LOOKING SOUTH



BRIDGE MARKER AT NORTHWEST CORNER, SIMILAR AT SOUTHEAST CORNER



EAST PROFILE



RIGHT BRIDGE RAIL, LEFT SIMILAR



SPAN 5 ASPHALT WEARING SURFACE, OTHERS SIMILAR



DOWNSTREAM, LOOKING WEST



UPSTREAM, LOOKING EAST



SOUTH APPROACH LOOKING SOUTH



LOOKING NORTH



POSTING SIGN AT SOUTHWEST CORNER, SIMILAR AT SOUTHEAST CORNER



WEST PROFILE



WEST END OF BENT 1 CAP, OTHERS SIMILAR



BENT 2, OTHERS SIMILAR



UNDERSIDE SPAN 2 , OTHER SIMILAR



END BENT 1, OTHER SIMILAR



TYPICAL INTERMEDIATE DIAPHRAGM



SOUTHWEST WINGWALL, OTHERS SIMILAR

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

Run Date: 08/30/2016

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	560008		SUFFICIENCY RATING =		11.19	
(8) STRUCTURE NUMBER(FEDERAL)		000000001150008		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31002510					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(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 NBL			(26) FUNCTIONAL CLASS -	Major Collector	07	
(9) LOCATION	.1 MI.S.JCT.US 25,70			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	Right Parallel Structure	R	
(16)LAT	35° 46' 35.90"	(17)LONG	82° 38' 50.62"	(102)DIRECTION OF TRAFFIC -	1-way Traffic	1	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -	Temporary Structure/Conditions	T	
(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				CONDITION			
(43) STRUCTURE TYPE MAIN:	Concrete						
TYPE -	Tee Beam	CODE	104				
(44) STRUCTURE TYPE APPR :							
TYPE -		CODE	000				
(45) NUMBER OF SPANS IN MAIN UNIT			5	(58) DECK		4	
(46) NUMBER OF APPROACH SPANS				(59) SUPERSTRUCTURE		4	
(107)DECK STRUCTURE TYPE -	1	CODE		(60) SUBSTRUCTURE		4	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		7	
(A) TYPE OF WEARING SURFACE -		CODE		(62) CULVERTS		N	
(B) TYPE OF MEMBRANE	-	CODE					
(C) TYPE OF DECK PROTECTION -		CODE		LOAD RATING AND POSTING			
				(31) DESIGN LOAD	H 15	2	
				(63) OPERATING RATING METHOD -	Load Factor	1	
				(64) OPERATING RATING -	HS-1	1	
				(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-1	1	
				(70) BRIDGE POSTING -	Posting Required	2	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1939	(67) STRUCTURAL EVALUATION		3	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		2	
(42) TYPE OF SERVICE : ON -	Highway			(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER -	Waterway	CODE	15	(71) WATERWAY ADEQUACY		7	
(28) LANES: ON STRUCTURE	1 UNDER STRUCTURE		0	(72) APPROACH ROADWAY ALIGNMENT		8	
(29) AVERAGE DAILY TRAFFIC			980	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2012	(109) TRUCK ADT PCT	7%	(113)SCOUR CRITICAL BRIDGES		8	
(19) BYPASS OR DETOUR LENGTH			5 MI				
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN			45 FT	(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH			238 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT	.5 FT RIGHT		.5 FT	(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			15 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT			33.417 FT	(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			27 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN -	No Median	CODE	1	(114)FUTURE ADT	1960	(115) YEAR FUTURE ADT	2025
(34) SKEW	30°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	INSPECTIONS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			15 FT	(90) INSPECTION DATE		06/03/2016	
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		0 FT	A) FRACTURE CRIT DETAIL -	NO	A)	
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad		000 FT	B) UNDERWATER INSP -	YES 48Mo	B)	05/26/2015
(56) MIN LAT UNDERCLEAR LT REF -			000 FT	C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			
NAVIGATION DATA							
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0				
(111)PIER PROTECTION -		CODE					
(39) NAVIGATION VERTICAL CLEARANCE			0				
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT				
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT				

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 08/30/2016

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
MADISON	13	2	560008	238	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
NC251 NBL	IVY CREEK

LOCATED :	BRIDGE NAME :	CITY :
.1 MI.S.JCT.US 25,70		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
07	FA	NFA	980 2012	LT 311 RT 311

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1939	SHPWC	9698		H 15

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		28 FT		4		FT

SUPERSTRUCTURE :	REINFORCED CONCRETE DECK GIRDERS
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SUBSTRUCTURE :	E.BTS:SPILL THRU;INT.BTS:RCRN POST & WEB
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SPANS :	5 @ 47'-6
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BEAMS OR GIRDERS :	5 LINES 30 RC DECK GIRDERS @ 6'-9 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
7 R.C./7 AWS		33.417 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
15 FT	31.167 FT	LT .5 FT RT .5 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Int.grds	SV 32	36	12/16/2008

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 560008

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	17	SPAN 1 BEAM 1: SPALL UP TO 2 FT TALL X FULL WIDTH X 3" DEEP WITH EXP REBAR, 20% SECTION LOSS WITH HEAVY EFFLO BUILDUP FOR 17 FT FROM END BENT 1, PM	
 3306	Maintain Concrete Superstructure Components	SF	48	SPAN 2 BEAM 1: SPALL UP TO FULL HEIGHT X UP TO FULL WIDTH X 4" DEEP WITH EXPOSED REBAR WITH 25% SECTION LOSS AND HEAVY EFFLO BUILDUP, FULL LENGTH, PM	
 3318	Maint to Concrete Handrail	LF	15	SPAN 2 RIGHT BRIDGE RAIL: SPALL/ DETERIORATING FOR 9" WIDE X FULL LENGTH, WITH EXPOSED REBAR STICKING OUT TOWARDS TRAVEL LANE FOR 15 FT, PM	
 3326	Maintain Concrete Deck	SF	51	SPAN 1 DECK: SPALL UP TO FULL WIDTH X 3" DEEP WITH EXP REBAR, UP TO 25% SECTION LOSS, FOR 17 FT FROM END BENT 1 ALONG UNDERSIDE OF LEFT OVERHANG, PM	
 3326	Maintain Concrete Deck	SF	40	SPAN 2 DECK: SPALL 10 FT X 4 FT X 4" DEEP WITH EXPOSED REBAR IN BAY 2 NEAR BEAM 2, 10 FT FROM BENT 1, PRIORITY MAINTENANCE	
 3326	Maintain Concrete Deck	SF	9	SPAN 3 DECK: SPALL 3 FT X 3 FT X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, ALONG LEFT OVERHANG AT BENT 2, PRIORITY MAINTENANCE	
 3326	Maintain Concrete Deck	SF	96	SPAN 2 DECK: SPALL FULL LENGTH X FULL WIDTH X UP TO 4" DEEP WITH EXPOSED REBAR WITH UP TO 100% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG, PM	
 3326	Maintain Concrete Deck	SF	6	SPAN 2 DECK: SPALL 3 FT X 2 FT X UP TO 6" DEEP IN DANGER OF FALLING OFF AT BENT 1, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	19	BENT 4 CAP : SPALL 19 FT X 1 FT X 1 FT WITH EXPOSED REBAR WITH 5% SECTION LOSS UNDER BEAMS 2, 3 AND 4, PRIORITY MAINTENANCE	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 560008

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	4	BENT 1 PILE 2: SPALL 3.5 FT X 8" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG BASE AT SOUTHEAST CORNER, SPAN 1, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	5	BENT 4 PILE 2: SPALL 5 FT X 9" X 8" WITH EXPOSED REBAR WITH 10% SECTION LOSS ALONG SOUTHWEST CORNER IN SPAN 4, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	2	BENT 3 CAP : SPALL 2 FT X 2 FT X 3" UNDER BEAM 1, SPAN 4 FACE, RESULTING IN LOSS OF BEARING AREA, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	15	BENT 3 CAP : SPALL 15 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1 AND IN BAY 1, SPAN 4 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	2	BENT 3 CAP : SPALL 2 FT X 7" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 2, SPAN 4 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	2	BENT 3 CAP : SPALL 18" X 6" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 3, SPAN 4 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	10	BENT 3 CAP : SPALL/DELAMINATION 10 FT X 1 FT X 1 FT WITH EXPOSED REBAR, 25% SECTION LOSS, ABOVE BAY 2 WALL, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	6	BENT 3 CAP : SPALL/DELAMINATION 6 FT X 1 FT X 6" WITH EXPOSED REBAR, 10% SECTION LOSS, NEAR COLUMN 1, SPAN 3 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	3	BENT 3 CAP : SPALL WITH DETERIORATING CONCRETE 3 FT X 2 FT X UP TO 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, NEAR BEAM 1 BEARING, PRIORITY MAINTENANCE	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 560008

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 PILE 1: SPALL 3 FT X 6" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, AT MIDHEIGHT ALONG NORTHEAST CORNER, SPAN 3 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	3	BENT 2 CAP : DELAMINATION/SPALL 3 FT X 1 FT X 3" IN IMMINENT DANGER OF FALLING, IN BAY NEAR BEAM 1, SPAN 3 FACE, PRIORITY MAINTENANCE	
 3348	Maintain Concrete Substructure Components	LF	5	BENT 2 PILE 1: SPALL 5 FT X 6" X 4" WITH EXPOSED REBAR, NO SECTION LOSS, WITH HEAVY EFFLORESCENCE BUILDUP ALONG NORTHEAST CORNER NEAR CAP, PM	
 3348	Maintain Concrete Substructure Components	LF	15	BENT 2 CAP : SPALL/DELAMINATION 15 FT X 6" WITH RUST STAINING AND EXP REBAR WITH 10% SECTION LOSS, ALONG BOTTOM OF CAP, BAY 1 WALL, SPAN 3 FACE, PM	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	17 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 UP TO 2 FT TALL X FULL WIDTH X 3" DEEP WITH EXP REBAR, 20% SECTION LOSS WITH HEAVY EFFLO BUILDUP FOR 17 FT FROM END BENT 1, PM		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	48 SF
Location:		
Beams and Girders	Bent/Span No. 2	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 2 BEAM 1: SPALL UP TO FULL HEIGHT X UP TO FULL WIDTH X 4" DEEP WITH EXPOSED REBAR WITH 25% SECTION LOSS AND HEAVY EFFLO BUILDUP, FULL LENGTH, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

County MADISON

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

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	15 LF
Location:		
Right Rail	Bent/Span No. 2	RIGHT BRIDGE RAIL
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 2 RIGHT BRIDGE RAIL: SPALL/ DETERIORATING FOR 9" WIDE X FULL LENGTH, WITH EXPOSED REBAR STICKING OUT TOWARDS TRAVEL LANE FOR 15 FT, PM		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	51 SF
Location:		
Deck Membrane	Bent/Span No. 1	DECK
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 DECK: SPALL UP TO FULL WIDTH X 3" DEEP WITH EXP REBAR, UP TO 25% SECTION LOSS, FOR 17 FT FROM END BENT 1 ALONG UNDERSIDE OF LEFT OVERHANG, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	40 SF
Location:		
Deck Membrane	Bent/Span No. 2	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 2 DECK: SPALL 10 FT X 4 FT X 4" DEEP WITH EXPOSED REBAR IN BAY 2 NEAR BEAM 2, 10 FT FROM BENT 1, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	9 SF
Location:		
Deck Membrane	Bent/Span No. 3	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 3 DECK: SPALL 3 FT X 3 FT X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, ALONG LEFT OVERHANG AT BENT 2, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	96 SF
Location:		
Deck Membrane	Bent/Span No. 2	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 2 DECK: SPALL FULL LENGTH X FULL WIDTH X UP TO 4" DEEP WITH EXPOSED REBAR WITH UP TO 100% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG, PM		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	6 SF
Location:		
Deck Membrane	Bent/Span No. 2	DECK
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/09/2016	KENNETH WING	WESLEY SKINNER
Details		
SPAN 2 DECK: SPALL 3 FT X 2 FT X UP TO 6" DEEP IN DANGER OF FALLING OFF AT BENT 1, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	19 LF
Location:		
Pier Substructure	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 19 FT X 1 FT X 1 FT WITH EXPOSED REBAR WITH 5% SECTION LOSS UNDER BEAMS 2, 3 AND 4, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	4 LF
Location:		
Pier Substructure	Bent/Span No. 1	PILE 2
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 PILE 2: SPALL 3.5 FT X 8" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG BASE AT SOUTHEAST CORNER, SPAN 1, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	5 LF
Location:		
Pier Substructure	Bent/Span No. 4	PILE 2
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 4 PILE 2: SPALL 5 FT X 9" X 8" WITH EXPOSED REBAR WITH 10% SECTION LOSS ALONG SOUTHWEST CORNER IN SPAN 4, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Pier Cap	Bent/Span No. 3	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 3 CAP : SPALL 2 FT X 2 FT X 3" UNDER BEAM 1, SPAN 4 FACE, RESULTING IN LOSS OF BEARING AREA, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	15 LF
Location:		
Pier Cap	Bent/Span No. 3	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 3 CAP : SPALL 15 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1 AND IN BAY 1, SPAN 4 FACE, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Pier Cap	Bent/Span No. 3	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 3 CAP : SPALL 2 FT X 7" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 2, SPAN 4 FACE, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	2 LF
Location:		
Pier Cap	Bent/Span No. 3	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 3 CAP : SPALL 18" X 6" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA UNDER BEAM 3, SPAN 4 FACE, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	10 LF
Location:		
Pier Cap	Bent/Span No. 3	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 3 CAP : SPALL/DELAMINATION 10 FT X 1 FT X 1 FT WITH EXPOSED REBAR, 25% SECTION LOSS, ABOVE BAY 2 WALL, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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. 3	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 3 CAP : SPALL/DELAMINATION 6 FT X 1 FT X 6" WITH EXPOSED REBAR, 10% SECTION LOSS, NEAR COLUMN 1, SPAN 3 FACE, PRIORITY MAINTENANCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Pier Cap	Bent/Span No. 3	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 3 CAP : SPALL WITH DETERIORATING CONCRETE 3 FT X 2 FT X UP TO 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, NEAR BEAM 1 BEARING, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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 Approach 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 3 FT X 6" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, AT MIDHEIGHT ALONG NORTHEAST CORNER, SPAN 3 FACE, PRIORITY MAINTENANCE		

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 : DELAMINATION/SPALL 3 FT X 1 FT X 3" IN IMMINENT DANGER OF FALLING, IN BAY NEAR BEAM 1, SPAN 3 FACE, PRIORITY MAINTENANCE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 560008

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	5 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 5 FT X 6" X 4" WITH EXPOSED REBAR, NO SECTION LOSS, WITH HEAVY EFFLORESCENCE BUILDUP ALONG NORTHEAST CORNER NEAR CAP, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	15 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/DELAMINATION 15 FT X 6" WITH RUST STAINING AND EXP REBAR WITH 10% SECTION LOSS, ALONG BOTTOM OF CAP, BAY 1 WALL, SPAN 3 FACE, PM		



SPAN 2 RIGHT BRIDGE RAIL: SPALL/ DETERIORATING FOR 9" WIDE X FULL LENGTH, WITH EXPOSED REBAR STICKING OUT TOWARDS TRAVEL LANE FOR 15 FT, PM



BENT 4 CAP : SPALL 19 FT X 1 FT X 1 FT WITH EXPOSED REBAR WITH 5% SECTION LOSS UNDER BEAMS 2, 3 AND 4, PRIORITY MAINTENANCE



BENT 4 PILE 2: SPALL 5 FT X 9" X 8" WITH EXPOSED REBAR WITH 10% SECTION LOSS ALONG SOUTHWEST CORNER IN SPAN 4, PRIORITY MAINTENANCE



BENT 3 CAP : SPALL 2 FT X 2 FT X 3" UNDER BEAM 1, SPAN 4 FACE, RESULTING IN LOSS OF BEARING AREA,
PRIORITY MAINTENANCE



BENT 3 CAP : SPALL 15 FT X 1 FT X 1 FT WITH EXPOSED REBAR, NO SECTION LOSS, OVER COLUMN 1 AND IN BAY 1, SPAN 4 FACE, PRIORITY MAINTENANCE



BENT 3 CAP : SPALL 2 FT X 7" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA
UNDER BEAM 2, SPAN 4 FACE, PRIORITY MAINTENANCE



BENT 3 CAP : SPALL 18" X 6" X 3" DEEP, NO EXPOSED REBAR, RESULTING IN LOSS OF BEARING AREA
UNDER BEAM 3, SPAN 4 FACE, PRIORITY MAINTENANCE



BENT 3 CAP : SPALL/DELAMINATION 10 FT X 1 FT X 1 FT WITH EXPOSED REBAR, 25% SECTION LOSS,
ABOVE BAY 2 WALL, PRIORITY MAINTENANCE



BENT 3 CAP : SPALL/DELAMINATION 6 FT X 1 FT X 6" WITH EXPOSED REBAR, 10% SECTION LOSS, NEAR COLUMN 1, SPAN 3 FACE, PRIORITY MAINTENANCE



BENT 3 CAP : SPALL WITH DETERIORATING CONCRETE 3 FT X 2 FT X UP TO 1 FT WITH EXPOSED REBAR,
NO SECTION LOSS, NEAR BEAM 1 BEARING, PRIORITY MAINTENANCE



SPAN 2 DECK: SPALL 10 FT X 4 FT X 4" DEEP WITH EXPOSED REBAR IN BAY 2 NEAR BEAM 2, 10 FT FROM BENT 1, PRIORITY MAINTENANCE



BENT 1 PILE 2: SPALL 3.5 FT X 8" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, ALONG BASE AT SOUTHEAST CORNER, SPAN 1, PRIORITY MAINTENANCE



SPAN 1 BEAM 1: SPALL UP TO 2 FT TALL X FULL WIDTH X 3" DEEP WITH EXP REBAR, 20% SECTION LOSS
WITH HEAVY EFFLO BUILDUP FOR 17 FT FROM END BENT 1, PM



SPAN 1 DECK: SPALL UP TO FULL WIDTH X 3" DEEP WITH EXP REBAR, UP TO 25% SECTION LOSS, FOR 17 FT FROM END BENT 1 ALONG UNDERSIDE OF LEFT OVERHANG, PM



BENT 2 PILE 1: SPALL 3 FT X 6" X 6" WITH EXPOSED REBAR, 25% SECTION LOSS, AT MIDHEIGHT ALONG NORTHEAST CORNER, SPAN 3 FACE, PRIORITY MAINTENANCE



BENT 2 CAP : DELAMINATION/SPALL 3 FT X 1 FT X 3" IN IMMINENT DANGER OF FALLING, IN BAY NEAR BEAM 1, SPAN 3 FACE, PRIORITY MAINTENANCE



BENT 2 PILE 1: SPALL 5 FT X 6" X 4" WITH EXPOSED REBAR, NO SECTION LOSS, WITH HEAVY EFFLORESCENCE BUILDUP ALONG NORTHEAST CORNER NEAR CAP, PM



BENT 2 CAP : SPALL/DELAMINATION 15 FT X 6" WITH RUST STAINING AND EXP REBAR WITH 10% SECTION LOSS, ALONG BOTTOM OF CAP, BAY 1 WALL, SPAN 3 FACE, PM



SPAN 2 BEAM 1: SPALL UP TO FULL HEIGHT X UP TO FULL WIDTH X 4" DEEP WITH EXPOSED REBAR WITH 25% SECTION LOSS AND HEAVY EFFLO BUILDUP, FULL LENGTH, PM



SPAN 3 DECK: SPALL 3 FT X 3 FT X UP TO 5" DEEP WITH EXPOSED REBAR, UP TO 100% SECTION LOSS, ALONG LEFT OVERHANG AT BENT 2, PRIORITY MAINTENANCE



SPAN 2 DECK: SPALL FULL LENGTH X FULL WIDTH X UP TO 4" DEEP WITH EXPOSED REBAR WITH UP TO 100% SECTION LOSS ALONG UNDERSIDE OF LEFT OVERHANG, PM

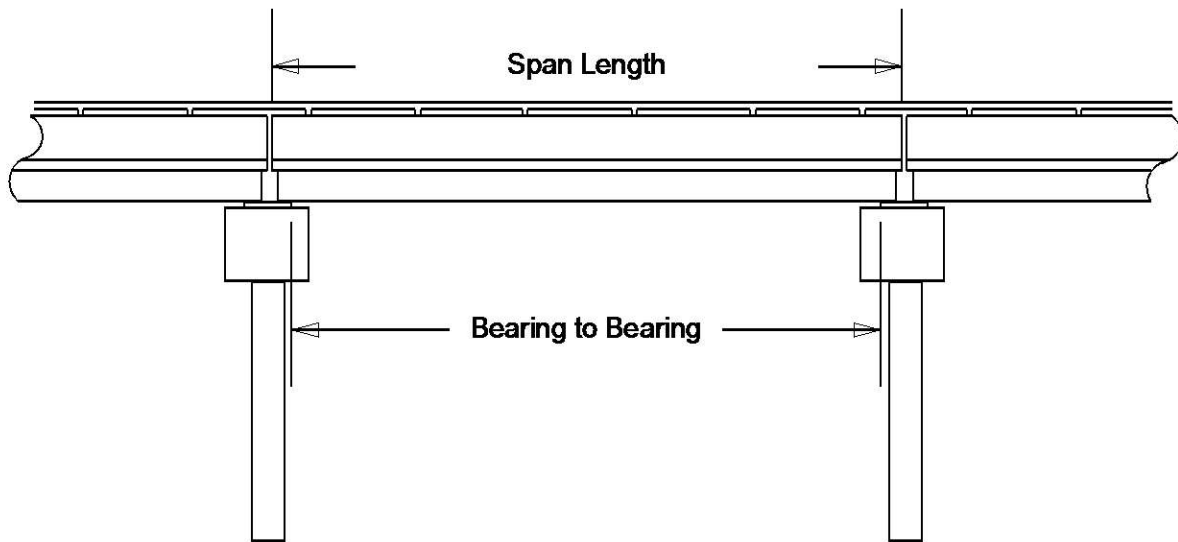


SPAN 2 DECK: SPALL 3 FT X 2 FT X UP TO 6" DEEP IN DANGER OF FALLING OFF AT BENT 1, PRIORITY MAINTENANCE

Structure Data Worksheet

Spans

County: MADISON Structure No: 560008 Date: _____ Inspected By: KMW



Span No	Span Length	Bearing to Bearing	Comments
1	47'- 6"	45'- 0"	NBIS BRIDGE LENGTH = 224'-1"
2	47'- 6"	45'- 0"	
3	47'- 6"	45'- 0"	
4	47'- 6"	45'- 0"	
5	47'- 6"	45'- 0"	MEASUREMENTS VERIFIED BY KMW 6/3/16

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 560008 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
0	3.5	TOP OF WINGWALL			
1	3.5	TOP OF WINGWALL			
1.1	6.4	Top of Cap			
2.8	6.8	Top of Cap			
2.9	8.7	FACE OF CAP	2.9	6.5	FACE OF CAP
15	10.8				
30	15.9				
47.5	27	BENT 1	47.5	25.8	BENT 1
50	29	Water Surface/Water Edge (WSWE)			
65	31.4				
75	30.1				
95	29.3	BENT 2	95	34.6	BENT 2
110	30.3				
125	30.8				
142.5	30.9	BENT 3	142.5	30.8	BENT 3
148	29	Water Surface/Water Edge (WSWE)			
170	19.9				
190	19.9	BENT 4	190	22.5	BENT 4
205	18.7				
215	14.4				
234.3	7.2	FACE OF CAP	234.3	8.2	FACE OF CAP
234.4	6.8	Top of Cap			
236.5	6.2	Top of Cap			
236.6	3.6	TOP OF WINGWALL			
237.5	3.6	TOP OF WINGWALL			

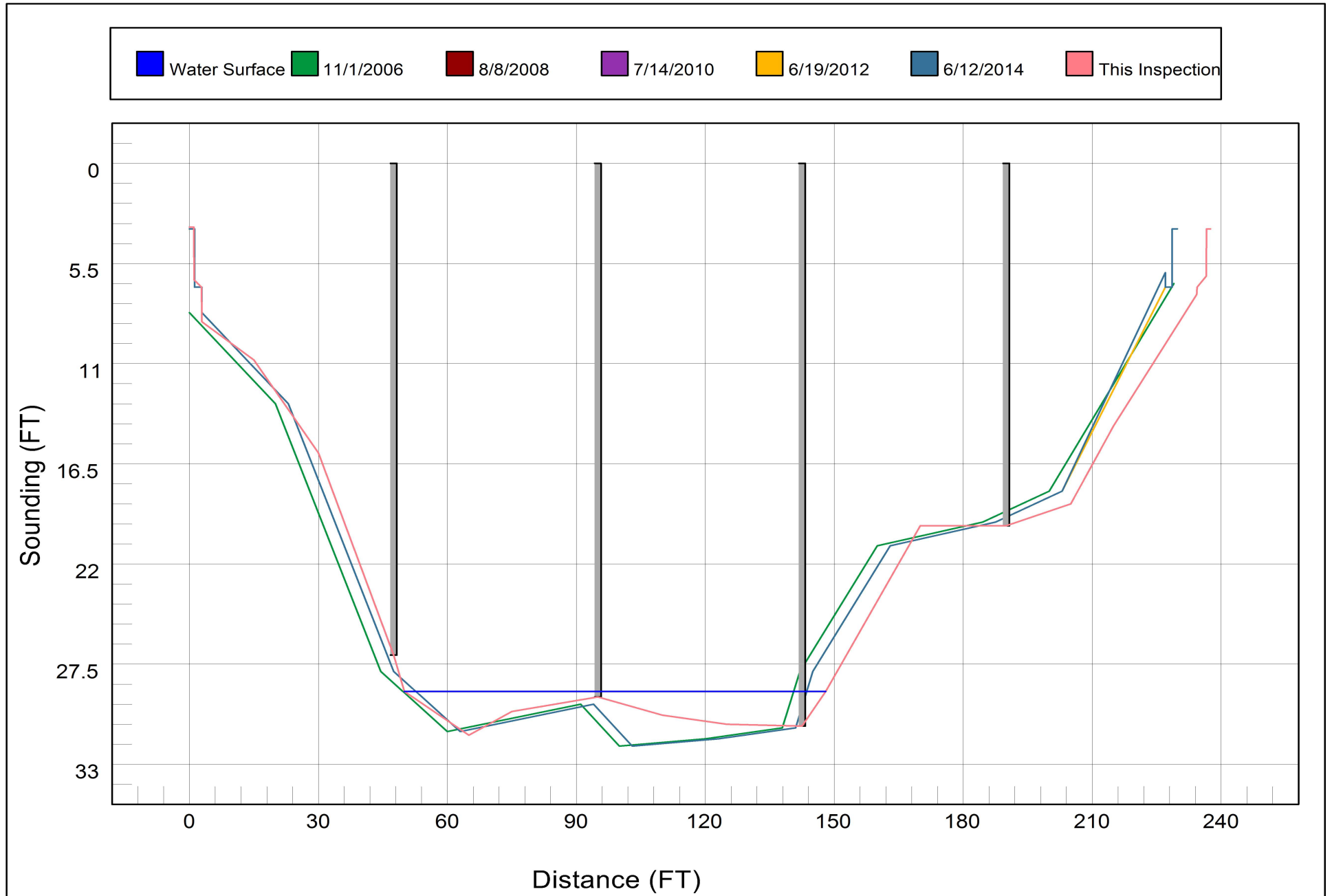
Bridge: 560008

County MADISON

Date:

STREAMBED PROFILE (Downstream)

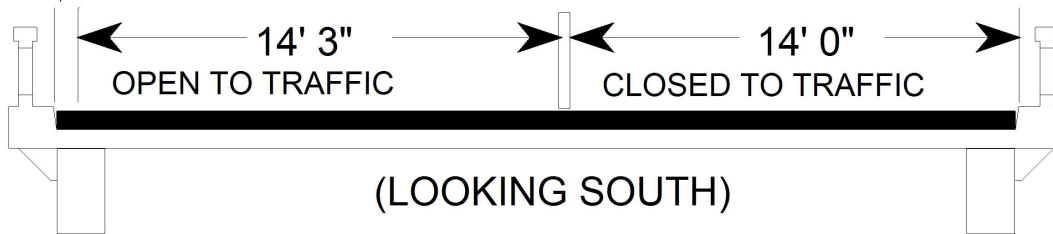
Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

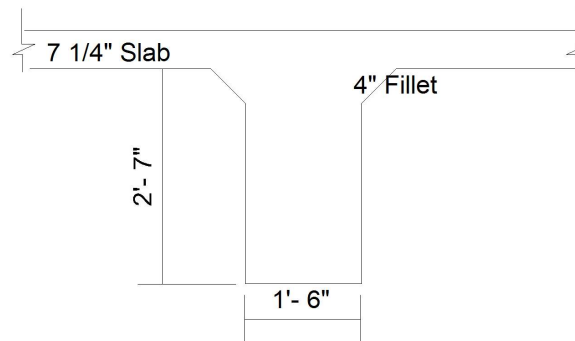
Deck Width/Out to Out	33.417ft	Between Rails				31.167ft
Clear Roadway	30.0ft	Wearing Surface				0.583ft
Median Width		Median Height				
Curb Height		Left	0.75ft	Right	0.75ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left		Right		
Top of Rail to Deck/Wearing Surface		Left	3.583ft	Right	3.583ft	
Bridge Rail		Left	Type 31	Right	Type 31	

1' 9"
PAVED SHOULDER



Measurements for Span #	1		
Deck Thickness	0.583	Left Overhang	3.208
Top of Rail to Bottom of Beam	6.833	Right Overhang	3.208

Beam Number	Beam Type	Spacing
1 thru 5	RC Deck Girder	6.750ft



Concrete Deck Girder

MEASUREMENTS VERIFIED BY KMW 6/3/16

Title

Typical Section

Description

Data Worksheet

Bridge No: 560008

Drawn By: Roy W. Shook

Date: 08/08/2008

File Name: S0318000509

Bridge Inspection Field Sketch



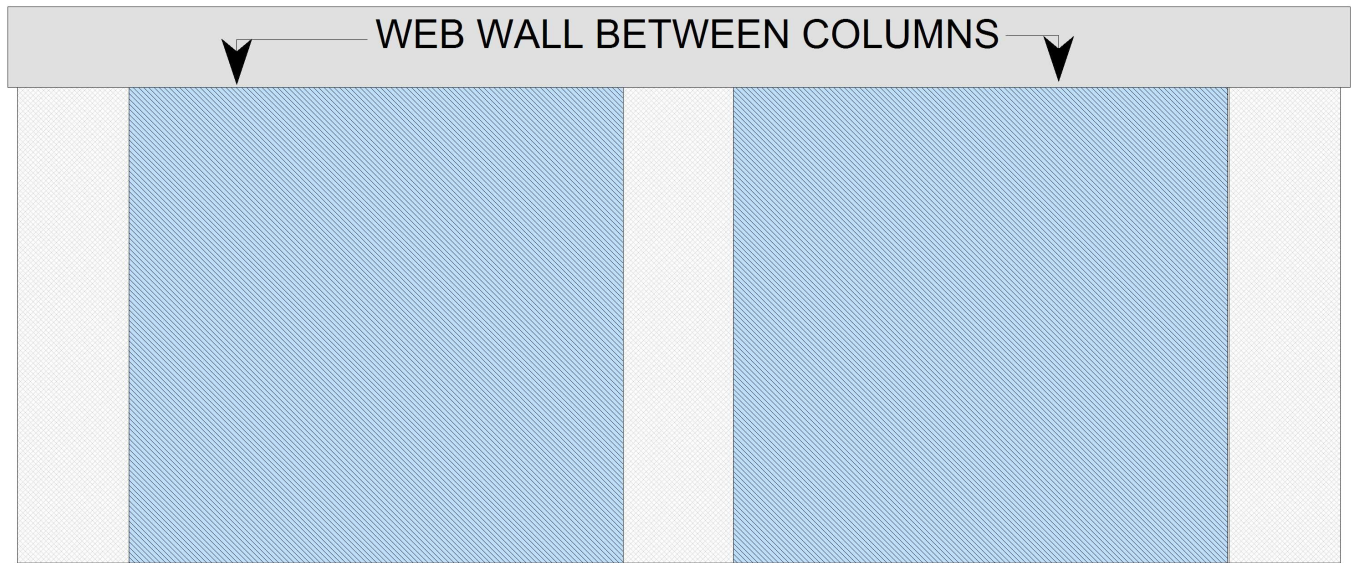
Roadway	12.25ft Wide	1 Paved Lanes	Looking North
Left Shoulder	21.083ft Wide	11.083ft Paved	10ft Unpaved
Right Shoulder	10ft Wide	4ft Paved	6ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS TAKEN AT THE SOUTH APPROACH

MEASUREMENTS VERIFIED BY KMW 6/3/16

Title Approach Roadway		Description Data Worksheet	
Bridge No: 560008	Drawn By: DDH	Date: 08/08/2008	File Name: S0318000508

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.				
36.000 ft.	3.000 ft.	2.167 ft.	1.750 ft.	1.750 ft.	1.000 ft.	1.000 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	16.25 ft.	3 ft.	2.5 ft.		Vertical	No	No	No	No
2	Concrete	16.25 ft.	3 ft.	2.5 ft.		Vertical	No	No	No	No
3	Concrete		3 ft.	2.5 ft.		Vertical	No	No	No	No
MEASUREMENTS VERIFIED BY KMW 6/3/16										
Bent/Abutment #: 1			Similar Bents: 2, 3, 4							

Title

PIERS

Description

SUBSTRUCTURE DETAILS

Bridge No: 560008

Drawn By: JOE C HUNTSINGER

Date: 6/12/14

File Name: S0318000512

Bridge Inspection Field Sketch

NORTH



END BENT 2

BENT 4

WE

WE

BENT 3

WD= 2'

WD= 2'

WD= 4'

BENT 2

FLOW



WE

WE

BENT 1

END BENT 1

Title

PLAN VIEW

Description

PLAN VIEW

Bridge No: 560008

Drawn By: JOHN HOUSTON

Date: 05/26/2015

File Name: S0150000411

Bridge Inspection Field Sketch

[illegible]

Title
FOOTING EXPOSURES

Description
FOOTING EXPOSURES

Bridge No: 560008

Drawn By: JOHN HOUSTON

Date: 05/26/2015

File Name:S0150000412