



NC DEPARTMENT OF TRANSPORTATION      ATTENTION:  
 DIVISION OF HIGHWAYS  
 STRUCTURE MANAGEMENT UNIT

# Structure Safety Report

## 4 Year Underwater Element Inspection

COUNTY: NEW HANOVER      STRUCTURE NUMBER: 640013      FREQUENCY: 48 MONTHS

FACILITY CARRIED: US76,US421      MILE POST: \_\_\_\_\_

LOCATION: 0.5 M.I.E. JCT. US4

FEATURE INTERSECTED: CAPE FEAR RIVER

LATITUDE: 34° 13' 38.74"      LONGITUDE: 77° 57' 6.82"

SUPERSTRUCTURE: TRUSS LIFT SPAN&RC DECK ON STL.GDRS.&PRESTR.CONC.GDRS.

SUBSTRUCTURE: E.BTS:RC CAP/PILES;INT.BT:RCP&B;LIFT SPAN:RC PIERS

SPANS: SEE PLANS

FRACTURE CRITICAL     TEMPORARY SHORING     SCOUR CRITICAL     SCOUR PLAN OF ACTION

PRESENT CONDITION: Fair      INSPECTION DATE: 06/01/2017

POSTED SV: Not Posted      POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



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>

DIRECTION OF INSPECTION      W-E

DIRECTION MATCHES PLANS      \_\_\_\_\_

LOOKING NORTH

INSPECTED BY PATRICK G. RUTHERFORD	SIGNATURE 	ASSISTED BY    STAN MATTHIAE, JOHN RORES
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# Structure Element Scoring

Structure Number: 640013

Inspection Date 6/1/2017

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	181317	37149	23	144145	0
28	0	Steel Deck with Open Grid	Deck	24480	24430	50	0	0
107	0	Steel Open Girder/Beam	Beam	12418	0	12368	50	0
515	107	Steel Protective Coating	Beam	182003	172748	9079	48	128
109	0	Prestressed Concrete Open Girder/Beam	Beam	13067	12385	347	329	6
113	0	Steel Stringer	Stringers	5876	5459	403	14	0
515	113	Steel Protective Coating	Stringers	34798	34798	0	0	0
120	0	Steel Truss	Truss	940	927	3	10	0
152	0	Steel Floor Beam	Floor Beams	1054	572	470	12	0
515	152	Steel Protective Coating	Floor Beams	19591	19560	31	0	0
162	0	Steel Gusset Plate	Gusset Plate	52	0	47	5	0
515	162	Steel Protective Coating	Gusset Plate	52	52	0	0	0
205	0	Reinforced Concrete Column	Piles and Columns	80	57	9	14	0
215	0	Reinforced Concrete Abutment	Abutments	243	190	0	53	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	178	0	178	0	0
225	0	Steel Pile	Piles and Columns	39	26	0	13	0
231	0	Steel Pier Cap	Caps	210	210	0	0	0
515	231	Steel Protective Coating	Caps	4732	4732	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	2203	1452	92	659	0
301	0	Pourable Joint Seal	Expansion Joints	1749	58	0	0	1691
305	0	Assembly Joint without Seal	Expansion Joints	162	162	0	0	0
311	0	Movable Bearing	Bearing Device	304	17	277	10	0
515	311	Steel Protective Coating	Bearing Device	1012	644	351	10	7
313	0	Fixed Bearing	Bearing Device	288	27	228	33	0
515	313	Steel Protective Coating	Bearing Device	732	423	270	9	30
330	0	Metal Bridge Railing	Bridge Rail	3995	3651	288	56	0
515	330	Steel Protective Coating	Bridge Rail	3007	2238	462	285	22
333	0	Other Bridge Railing	Bridge Rail	5504	5485	17	2	0
515	333	Steel Protective Coating	Bridge Rail	120	120	0	0	0

# Summary of Maintenance Needs

## Maintenance By Defect

Structure Number: 640013

Inspection Date: 06/01/2017

MMS Code	Element Name	Defect Name	Recommended Quantity
3348	Reinforced Concrete Column	Cracking (RC and Other)	6 Each
3348	Reinforced Concrete Column	Abrasion/Wear (PSC/RC)	6 Each
3348	Reinforced Concrete Pile Cap/Footing	Damage	180 Feet
3348	Reinforced Concrete Pile Cap/Footing	Cracking (RC and Other)	29 Feet
3348	Reinforced Concrete Pile Cap/Footing	Abrasion/Wear (PSC/RC)	59 Feet

# Element Structure Maintenance Quantities

Structure Number: 640013

Inspection Date 06/01/2017

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	53	243	0	53	0	190
Beam	3306	Maintenance Concrete Superstructure Components	682	13067	6	329	347	12385
Beam	3314	Maintenance Steel Superstructure Components	12418	12418	0	50	12368	0
Beam	3342	Clean and Paint Steel	9255	182003	128	48	9079	172748
Bearing Device	3334	Bridge Bearing	548	592	0	43	505	44
Bearing Device	3342	Clean and Paint Steel	677	1744	37	19	621	1067
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	19	5504	0	2	17	5485
Bridge Rail	3322	Maintenance of Steel Bridge Rail	344	3995	0	56	288	3651
Bridge Rail	3342	Clean and Paint Steel	769	3127	22	285	462	2358
Caps	3342	Clean and Paint Steel	0	4732	0	0	0	4732
Caps	3348	Maintenance of Concrete Substructure	750	2203	0	659	92	1452
Caps	3354	Maintenance of Steel Substructure Components	0	210	0	0	0	210
Deck	3326	Maintenance of Concrete Deck	144168	181317	0	144145	23	37149
Deck	3330	Maintenance of Open Grid Steel Floor	50	24480	0	0	50	24430
Expansion Joints	3308	Maintenance of Steel Plate Joints	0	162	0	0	0	162
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	1691	1749	1691	0	0	58
Floor Beams	3314	Maintenance Steel Superstructure Components	12	1054	0	12	470	572
Floor Beams	3342	Clean and Paint Steel	31	19591	0	0	31	19560
Footing	3348	Maintenance of Concrete Substructure	178	178	0	0	178	0
Gusset Plate	3314	Maintenance Steel Superstructure Components	1	52	0	5	47	0
Gusset Plate	3342	Clean and Paint Steel	0	52	0	0	0	52
Piles and Columns	3348	Maintenance of Concrete Substructure	386	80	0	14	9	57
Piles and Columns	3354	Maintenance of Steel Substructure Components	13	39	0	13	0	26
Stringers	3314	Maintenance Steel Superstructure Components	12	5876	0	14	403	5459
Stringers	3342	Clean and Paint Steel	0	34798	0	0	0	34798
Truss	3314	Maintenance Steel Superstructure Components	10	940	0	10	3	927



**Span 1 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 8 1/2" X 5" AREA OF SCALING AND PACK RUST ON BOTH SIDES WITH 100% LOSS OF SECTION ON NUT ON LEFT SIDE OF BEARING)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (ON BOTH SIDES OF BEARING)

1 Each of Loss of Bearing Area: 10% or more but does not warrant structural review. (UP TO 1 9/16" MOVEMENT OF BEARING TO EAST BEYOND MASONRY PLATE WITH 26% LOSS OF BEARING, SEE PHOTO)

**Span 1 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

**Span 1 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (7" X 5" AREA OF SCALING AND PACK RUST ON LEFT SIDE OF BEARING)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (ON LEFT SIDE OF BEARING)

1 Each of Loss of Bearing Area: 10% or more but does not warrant structural review. (UP TO 3/4" MOVEMENT OF BEARING TO EAST BEYOND MASONRY PLATE WITH 13% LOSS OF BEARING)

## Span 1 Fixed Bearing 3

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 1 Movable Bearing 3

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Loss of Bearing Area: 10% or more but does not warrant structural review. (UP TO 3/4" MOVEMENT OF BEARING TO EAST BEYOND MASONRY PLATE WITH 13% LOSS OF BEARING)

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST OF NUT ON LEFT SIDE OF BEARING)

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 1 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 1 Movable Bearing 4

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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## Span 1 Fixed Bearing 6

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 1 Movable Bearing 6

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

## Span 1 Prestressed Concrete Girder 7

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	67	0	1	0	Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (7 1/2" X 4 1/2" X 1/8" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 28' FROM END BENT 1 CAP, SEE PHOTO)

## Span 1 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

**Span 1 Movable Bearing 7**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Loss of Bearing Area: Less than 10%. (UP TO 1/2" MOVEMENT OF BEARING TO EAST BEYOND MASONRY PLATE WITH 8% LOSS OF BEARING)

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 1 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

**Span 1 Movable Bearing 8**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 1 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

**Span 1 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Loss of Bearing Area: 10% or more but does not warrant structural review. (UP TO 1 3/8" MOVEMENT OF BEARING TO EAST BEYOND MASONRY PLATE WITH 23% LOSS OF BEARING, SEE PHOTO)

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**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	4,182	907	0	3,275	0 Square Feet

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

3265 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1090 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

8 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (UP TO 0.03" TRANSVERSE CRACKS IN TOP OF DECK NEAR MIDSPAN IN EASTBOUND LANES)

6 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (43" X 20" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF RIGHT OVERHANG ALONG EDGE OF DECK AT BENT 1)

4 Square Feet of Delamination/Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (27" X 20" AREA OF DELAMINATION WITH 19" X 12" X UP TO 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF RIGHT OVERHANG BENEATH LIGHT STANCHION AT MIDSPAN, SEE PHOTO)

APPROXIMATELY 25' X 6" AREA OF CONCRETE SPILL OVER ON TOP OF DECK IN OUTSIDE EASTBOUND LANE

**Span 2 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	47	18	3	0 Feet
515	Steel Protective Coating	68	50	0	15	3 Square Feet

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

3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENTS 5, 7 AND 8)



## Span 2 Fixed Bearing 1

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 2 Prestressed Concrete Girder 2

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

1 Feet of Exposed Rebar: Present without measurable section loss. (14" SECTION OF TWO (2) AREAS OF EXPOSED REBAR UP TO 6" X 2" IN BOTTOM OF GIRDER AT EMBEDDED PLATE AT BENT 2)

## Span 2 Movable Bearing 2

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 2 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Movable Bearing 3**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Movable Bearing 4**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Movable Bearing 5**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.





General Comments

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Fixed Bearing 8**  
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Movable Bearing 9**  
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Fixed Bearing 9**  
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 2 Standard Joint 1**  
Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

12 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 1 JOINT, CONDITION IN OUTSIDE EASTBOUND LANE SHOWN IN PHOTO)

42 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 1 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**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	4,182	910	0	3,272	0 Square Feet

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

3265 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1090 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

4 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (UP TO 44" X 0.03" TRANSVERSE CRACKS IN TOP OF DECK NEAR MIDSPAN IN OUTSIDE EASTBOUND LANE)

10 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (38" X 0.03" DIAGONAL CRACKS IN TOP OF DECK, IN RIGHT WHEEL LINE OF OUTSIDE EASTBOUND LANE, APPROXIMATELY 5' FROM BENTS 2 AND 3)

5 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (36" X 20" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF RIGHT OVERHANG ALONG EDGE OF DECK AT BENT 2)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (6" X 4" X 1" DEEP SPALL WITH 1" DIAMETER X FULL DEPTH HOLE IN DECK IN BAY 6, ADJACENT TO GIRDER 7, APPROXIMATELY 16' FROM FACE OF BENT 2 CAP, SEE PHOTO)

1 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (12" X 6" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK AT BENT 3)

1 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (8" DIAMETER AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG APPROXIMATELY 6" FROM EDGE OF DECK AT BENT 2)

APPROXIMATELY 30' X 9" AREA OF CONCRETE SPILL OVER ON TOP OF DECK IN OUTSIDE EASTBOUND LANE

**Span 3 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	63	0	5	0 Feet
515	Steel Protective Coating	68	63	0	0	5 Square Feet

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

5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENTS 5 THRU 9, CONDITION AT RAIL POST ATTACHMENT 9 SHOWN IN PHOTO)

5 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENTS 5 THRU 9)

## Span 3 Movable Bearing 1

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 3 Fixed Bearing 1

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 3 Prestressed Concrete Girder 2

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	61	6	1	0 Feet

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

1 Feet of Patched Area: Patched area that is sound. (13" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 2 CAP)

4 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4' SECTION OF FOUR (4) SPALLS WITH EXPOSED REBAR UP TO 8" X 3" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 24' FROM FACE OF BENT 2 CAP)

1 Feet of Patched Area: Patched area that is sound. (14" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 29' FROM FACE OF BENT 2 CAP)

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (8" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER AT MIDSPAN)

**Span 3 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Prestressed Concrete Girder 3**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	67	0	1	0	Feet

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

- 1 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (9" X 3" X 1/2" DEEP FAILED REPAIR AND SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 31" FROM FACE OF BENT 3 CAP, SEE PHOTO)

**Span 3 Movable Bearing 3**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Prestressed Concrete Girder 4**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	66	0	2	0	Feet

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

- 2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. (8" X UP TO 0.01" LONGITUDINAL CRACKS AND 13" X 9" AREA OF DELAMINATION IN BOTTOM OF GIRDER, APPROXIMATELY 21" FROM FACE OF BENT 3 CAP)

**Span 3 Movable Bearing 4**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Prestressed Concrete Girder 5**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	64	1	3	0	Feet

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

- 3 Feet of Delamination/Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (31" X 11" X 3 1/2" AREA OF DELAMINATION IN FAILED REPAIR WITH UP TO 0.013" LONGITUDINAL CRACKS IN BOTTOM AND RIGHT FACE OF BOTTOM FLANGE, APPROXIMATELY 14" FROM FACE OF BENT 3 CAP, SEE PHOTO)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 2" X 1/4" DEEP SPALL WITH EXPOSED

REBAR IN RIGHT FACE OF BOTTOM CHAMFER AT FACE OF BENT 3 CAP)

**Span 3 Movable Bearing 5**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (8 1/2" X 5" AREA OF SCALING AND PACK RUST IN LEFT SIDE OF BEARING, SEE PHOTO)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (ON LEFT SIDE OF BEARING)

**Span 3 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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



General Comments

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Prestressed Concrete Girder 9**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	63	5	0	0 Feet

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

- 1 Feet of Patched Area: Patched area that is sound. (12" X 5" X 2" REPAIR WITH UP TO 0.02" TRANSVERSE AND HORIZONTAL CRACKS IN BOTTOM AND RIGHT FACE OF BOTTOM FLANGE, APPROXIMATELY 26' FROM FACE OF BENT 2 CAP)
- 4 Feet of Patched Area: Patched area that is sound. (40" X 14" X 7" REPAIR IN BOTTOM AND RIGHT FACE OF BOTTOM FLANGE WITH UP TO 0.01" LONGITUDINAL CRACKS AT FACE OF BENT 3 CAP)

**Span 3 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 3 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 3 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	54	0	0	0	54	Feet

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

- 54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 2 JOINT)
- 54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**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	4,182	947	0	3,235	0	Square Feet

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

- 3225 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 1075 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 12 Square Feet of Delamination/Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (71" X 24" FAILED REPAIR WITH UP TO 7" X 4" AREAS OF DELAMINATION IN TOP OF DECK ALONG BENT 3 JOINT, APPROXIMATELY 14' FROM LEFT CURB)
- 5 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (UP TO 41" X 0.03" DIAGONAL CRACKS IN TOP OF DECK IN RIGHT WHEEL LINE OF OUTSIDE EASTBOUND LANE, APPROXIMATELY 5' FROM BENT 3)
- 5 Square Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (DIAGONAL HAIRLINE CRACK WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8, APPROXIMATELY 2' FROM FACE OF BENT 3 CAP)
- 7 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (63" X 16" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF RIGHT OVERHANG ALONG EDGE OF DECK AT BENT 4)
- 1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (17" X 6" X UP TO 3" DEEP SPALL IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK ABOVE BENT 4)

2 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (20" X 18" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK AT BENT 4)

**Span 4 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	27	40	1	0 Feet
515	Steel Protective Coating	68	19	0	48	1 Square Feet

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

2 Feet of Damage: The element has impact damage. The specific damage caused by the impact has been captured in Condition State 2 under the appropriate material defect entry.

2 Feet of Distortion: Distortion not requiring mitigation or mitigated distortion. (UP TO 2" DISTORTION TO THE WEST DUE TO IMPACT DAMAGE OF RAIL POSTS 4 AND 5 NEAR MIDSPAN, CONDITION AT POST 4 SHOWN IN PHOTO)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENT 9)

38 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT RAIL EXTENDING FROM BENT 3 JOINT)

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

38 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (EXTENDING FROM BENT 3 JOINT)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENT 9)

**Span 4 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4" X 3" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 13' FROM FACE OF BENT 4 CAP)

**Span 4 Prestressed Concrete Girder 3**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4" X 3" X 1/8" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 28' FROM FACE OF BENT 3 CAP)



**Span 4 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Movable Bearing 5**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

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

- 1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (8 1/2" X 7" AREA OF SCALING AND PACK RUST IN LEFT SIDE OF BEARING)
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (ON LEFT SIDE OF BEARING)

**Span 4 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Movable Bearing 7**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Movable Bearing 8**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 4 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 3 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**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	4,182	949	0	3,233	0 Square Feet

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

3225 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1075 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (13" X 6" FAILED REPAIR WITH 8" X 6" X 1" DEEP SPALL IN TOP OF DECK NEAR MIDSPAN IN OUTSIDE EASTBOUND LANE, SEE PHOTO)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (19" X 3" X 1/2" DEEP SPALL IN TOP OF DECK NEAR MIDSPAN IN OUTSIDE EASTBOUND LANE)

11 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (66" X 22" FAILED REPAIR WITH UP TO 31" X 4" X 4 1/2" DEEP SPALL IN TOP OF DECK ALONG BENT 4 JOINT, APPROXIMATELY 14' FROM LEFT CURB)

2 Square Feet of Delamination/Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (20" X 17" AREA OF DELAMINATION WITH UP TO 16" X 10" X 1 1/2" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF RIGHT OVERHANG BENEATH LIGHT STANCHION AT MIDSPAN)

9 Square Feet of Patched Areas: Patched area that is sound. (42" X 30" PATCH IN BOTTOM OF DECK IN BAY 7, APPROXIMATELY 26' FROM FACE OF BENT 4 CAP, SEE PHOTO)

6 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (3' X 2' AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8, ADJACENT TO GIRDER 9, AT BENT 4)

APPROXIMATELY 25' X 7" AREA OF CONCRETE SPILL OVER ON TOP OF DECK IN OUTSIDE EASTBOUND LANE

**Span 5 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	64	0	4	0 Feet
515	Steel Protective Coating	68	65	0	0	3 Square Feet

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

3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENTS 3, 4 AND 5)

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POST 6)

3 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENTS 3, 4 AND 5)

**Span 5 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Fixed Bearing 1

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Prestressed Concrete Girder 2

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	34	30	4	0 Feet

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

9 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (12' SECTION OF NINE (9) SPALLS WITH EXPOSED REBAR UP TO 9" X 3" X 1/2" DEEP AND UP TO 0.007" LONGITUDINAL CRACKS IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 6' FROM FACE OF BENT 4 CAP)

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (8" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 14' FROM FACE OF BENT 4 CAP)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 2 X 1/8" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 24' FROM FACE OF BENT 4 CAP)

9 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (9' SECTION OF NINE (9) SPALLS WITH EXPOSED REBAR UP TO 12" X 2" X 1/2" DEEP IN BOTTOM OF GIRDER AT MIDSPAN)

11 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (10' SECTION OF 13 SPALLS WITH EXPOSED REBAR UP TO 14" X 2" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 11' FROM FACE OF BENT 5 CAP)

3 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (30" SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 9" X 7" X 1" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 6" FROM FACE OF BENT 5 CAP)

## Span 5 Movable Bearing 2

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



## Span 5 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Movable Bearing 3

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Fixed Bearing 3

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Movable Bearing 4

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Prestressed Concrete Girder 5

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	64	0	4	0 Feet

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

4 Feet of Delamination/Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (22" X 5" X 2" AREA OF DELAMINATION WITH UP TO 0.016" LONGITUDINAL AND HORIZONTAL CRACKS AND 21" X 4" X 2 1/2" SPALL IN BOTTOM AND RIGHT FACE OF BOTTOM FLANGE AT FACE OF BENT 5 CAP, SEE PHOTO)

## Span 5 Movable Bearing 5

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 5 Fixed Bearing 5

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Movable Bearing 7**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Fixed Bearing 7**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Movable Bearing 8**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 5 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 4 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 6 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	4,182	957	0	3,225	0 Square Feet

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

3225 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1075 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

12 Square Feet of Patched Area: Patched area that is sound. (74" X 22" REPAIR IN TOP OF DECK ALONG BENT 5 JOINT EXTENDING FROM RIGHT CURB, SEE PHOTO)

1 Square Feet of Patched Area: Patched area that is sound. (14" X 6" REPAIR IN TOP OF DECK ALONG BENT 6 JOINT, APPROXIMATELY 3' FROM LEFT CURB)

12 Square Feet of Patched Area: Patched area that is sound. (20" X 12" REPAIR IN TOP OF DECK ALONG BENT 6 JOINT, APPROXIMATELY 11' FROM RIGHT CURB)

**Span 6 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	64	0	4	0 Feet
515	Steel Protective Coating	68	64	0	0	4 Square Feet

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

4 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENTS 2, 3, 4 AND 5)

4 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENTS 2, 3, 4 AND 5)



**Span 6 Movable Bearing 2****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Fixed Bearing 2****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Movable Bearing 3****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Fixed Bearing 3****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 6 Movable Bearing 4

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 6 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 6 Prestressed Concrete Girder 5

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	32	0	36	0	Feet

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

36 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (36' SECTION OF SPALLS WITH EXPOSED REBAR UP TO 13" X 4" X 1/2" DEEP THROUGHOUT BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 26' FROM FACE OF BENT 5 CAP)

## Span 6 Movable Bearing 5

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 6 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Prestressed Concrete Girder 6**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 2" X 1/8" DEEP SPALL WITH EXPOSED REBAR IN RIGHT FACE OF BOTTOM CHAMFER, 4" FROM END OF GIRDER AT BENT 5)

**Span 6 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 6 Prestressed Concrete Girder 7

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	64	4	0	0 Feet

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

4 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (8' SECTION OF FOUR (4) SPALLS WITH EXPOSED REBAR UP TO 7" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 24.5' FROM FACE OF BENT 5 CAP)

## Span 6 Movable Bearing 7

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 6 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 6 Movable Bearing 8

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 6 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	54	0	0	0	54	Feet

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

- 12 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 5 JOINT)
- 42 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 5 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 7 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	3,721	802	0	2,919	0 Square Feet

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

2905 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

970 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

4 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.(UP TO 51" X 0.03" TRANSVERSE CRACKS IN TOP OF DECK IN OUTSIDE EASTBOUND LANE, APPROXIMATELY 6' FROM BENT 7)

1 Square Feet of Patched Area: Patched area that is sound. (16" X 8" REPAIR IN TOP OF DECK ALONG BENT 6, APPROXIMATELY 3' FROM LEFT CURB)

4 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (24" X 20" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF RIGHT OVERHANG ALONG EDGE OF DECK AT BENT 6)

3 Square Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (DIAGONAL HAIRLINE CRACK WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8, APPROXIMATELY 5' FROM FACE OF BENT 7 CAP)

2 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (18" X 16" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF RIGHT OVERHANG ALONG EDGE OF DECK AT BENT 7)

8 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF LEFT OVERHANG AND ALONG EDGE OF DECK AT BENT 6)

**Span 7 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	61	41	20	0	0 Feet
515	Steel Protective Coating	61	41	0	20	0 Square Feet

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

20 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION IN VARIOUS LOCATIONS THROUGHOUT)

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (IN VARIOUS LOCATIONS THROUGHOUT)

**Span 7 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Movable Bearing 3**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Prestressed Concrete Girder 4**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	60	59	1	0	0	Feet

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

- 1 Feet of Efflorescence/Rust Staining: Surface white without buildup or leaching without rust staining. (10" HORIZONTAL HAIRLINE CRACK WITH EFFLORESCENCE IN RIGHT FACE OF BOTTOM FLANGE, EXTENDING FROM BEARING AT BENT 7)

**Span 7 Movable Bearing 4**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 7 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 7 Prestressed Concrete Girder 5

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	59	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (8" X 2" X 2" SPALL IN LEFT CORNER OF BOTTOM FLANGE AT END OF GIRDER AT BENT 7)

## Span 7 Movable Bearing 5

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (8 1/2" X 5" AREA OF SCALING AND PACK RUST IN LEFT SIDE OF BEARING)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (ON LEFT SIDE OF BEARING)

## Span 7 Fixed Bearing 5

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Movable Bearing 7**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 7**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 7 Movable Bearing 8**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 7** **Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

10 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 6 JOINT)

44 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 6 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 8** **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	4,182	945	10	3,227	0 Square Feet

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

3225 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1075 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (20" X 5" FAILED REPAIR WITH 5" X 4" X 1/2" DEEP SPALL IN TOP OF DECK NEAR MIDSPAN IN OUTSIDE EASTBOUND LANE)

6 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.(UP TO 44" X 0.04" DIAGONAL CRACKS IN TOP OF DECK IN RIGHT WHEEL LINE OF OUTSIDE EASTBOUND LANE, APPROXIMATELY 5' FROM BENT 8)

3 Square Feet of Delamination: Delaminated. (25" X 15" AREA OF 15" X 10" AND 11" X 7" REPAIRS AND 19" X 12" AREA OF DELAMINATION IN BOTTOM OF RIGHT OVERHANG BENEATH LIGHT STANCHION AT MIDSPAN, SEE PHOTO)

2 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (20" X 9" AREA OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 9" X 4" X 1/2" DEEP IN BOTTOM OF DECK IN BAY 4, APPROXIMATELY 15.5' FROM BENT 8, SEE PHOTO)

1 Square Feet of Exposed Rebar: Present without measurable section loss. (15" X 9" AREA OF TWO (2) AREAS OF EXPOSED REBAR UP TO 9" X 2" IN BOTTOM OF DECK IN BAY 5, APPROXIMATELY 17.5' FROM BENT 8)

7 Square Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (DIAGONAL HAIRLINE CRACK WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8, APPROXIMATELY 5' FROM FACE OF BENT 8 CAP)

2 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (24" X 10" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK AT BENT 8)

**Span 8 Steel Rail 3****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	32	35	1	0 Feet
515	Steel Protective Coating	68	9	20	38	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT POST ATTACHMENT AT POST 1)

35 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION IN VARIOUS LOCATIONS THROUGHOUT)

20 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT, CONDITION NEAR MIDSPAN SHOWN IN PHOTO)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENT 1)

38 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (IN VARIOUS LOCATIONS THROUGHOUT)

**Span 8 Prestressed Concrete Girder 1****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	66	2	0	0 Feet

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

1 Feet of Exposed Rebar: Present without measurable section loss. (13" X 2 1/2" AREA OF EXPOSED REBAR IN LEFT FACE OF TOP CHAMFER AT BENT 7)

1 Feet of Exposed Rebar: Present without measurable section loss. (16" X 1" AREA OF EXPOSED REBAR IN LEFT FACE OF TOP CHAMFER AT BENT 8)

**Span 8 Movable Bearing 1****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Loss of Bearing Area: Less than 10%. (UP TO 9/16" MOVEMENT OF BEARING TO EAST BEYOND MASONRY PLATE WITH UP TO 9% LOSS OF BEARING)

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Prestressed Concrete Girder 2**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	61	4	3	0	Feet

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

- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (9" X 7" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 17' FROM FACE OF BENT 7 CAP)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" DIAMETER X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 24' FROM FACE OF BENT 7 CAP)
- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (8" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 28' FROM FACE OF BENT 8 CAP)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 3" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 26' FROM FACE OF BENT 8 CAP)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 23' FROM FACE OF BENT 8 CAP)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 4" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 16' FROM FACE OF BENT 8 CAP)
- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (9" X 7" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 13' FROM FACE OF BENT 8 CAP)

**Span 8 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Prestressed Concrete Girder 3**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	61	4	3	0 Feet

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

- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (8" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 21' FROM FACE OF BENT 7 CAP)
- 2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (2' SECTION OF SPALLS WITH EXPOSED REBAR UP TO 8" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER AT MIDSPAN)
- 1 Feet of Patched Area: Patched area that is sound. (4" DIAMETER REPAIR WITH UP TO 1" X 0.007" CRACKS IN BOTTOM OF GIRDER, APPROXIMATELY 23' FROM FACE OF BENT 8 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (9" X 7" REPAIR WITH UP TO 1 1/2" X 0.007" CRACKS IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 8 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (10" X 7" REPAIR WITH UP TO 4" X 0.01" CRACKS IN BOTTOM OF GIRDER, APPROXIMATELY 19' FROM FACE OF BENT 8 CAP, SEE PHOTO)
- 1 Feet of Patched Area: Patched area that is sound. (7" X 7" REPAIR WITH UP TO 2" X 0.007" CRACKS IN BOTTOM OF GIRDER, APPROXIMATELY 18' FROM FACE OF BENT 8 CAP)

**Span 8 Movable Bearing 3**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Movable Bearing 4**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Prestressed Concrete Girder 5**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	63	1	1	3 Feet

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

PRIORITY MAINTENANCE: 3 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge. (27" X 20" X UP TO 3" DEEP FAILED REPAIR AND SPALL WITH EXPOSED STRAND AND REBAR WITH 10" X 100% LOSS OF STRAND IN BOTTOM AND RIGHT FACE OF BOTTOM FLANGE AT BENT 8, SEE PHOTO)

1 Feet of Patched Area: Patched area that is sound. (20" X 10" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 26" FROM FACE OF BENT 8 CAP)

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (7" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 44" FROM FACE OF BENT 8 CAP)

**Span 8 Movable Bearing 5**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Prestressed Concrete Girder 6**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0	Feet

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

- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (7" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 20' FROM FACE OF BENT 7 CAP)

**Span 8 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 6**  
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Prestressed Concrete Girder 7**  
Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	64	2	2	0 Feet

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

- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (1' SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 6" X 3" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 13' FROM FACE OF BENT 7 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (17" X 10" REPAIR IN BOTTOM OF GIRDER AT MIDSPAN)
- 1 Feet of Spall/Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (8 1/2" X 6" FAILED REPAIR WITH 3" X 2" X 1/8" DEEP SPALL IN BOTTOM OF GIRDER, APPROXIMATELY 23' FROM FACE OF BENT 8 CAP)
- 1 Feet of Spall/Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (6 1/2" X 5 1/2" FAILED REPAIR WITH 6" X 3 1/2" X 1/4" DEEP SPALL IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 8 CAP)

**Span 8 Movable Bearing 7**  
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 8 Fixed Bearing 7****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Movable Bearing 8****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 8****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Prestressed Concrete Girder 9****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	66	2	0	0	Feet

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

2 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (2' SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 7" X 3" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 13' FROM FACE OF BENT 7 CAP)

**Span 8 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 8 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	56	2	0	0	54	Feet

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

- 54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 7 JOINT)
- 54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 9 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	3,721	813	0	2,908	0	Square Feet

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

- 2905 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 970 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (23" X 4" AREA OF DELAMINATION WITH UP TO 1/16" CRACKS IN TOP OF DECK ALONG BENT 8 JOINT IN INSIDE WESTBOUND LANE, SEE PHOTO)

1 Square Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 5" X 1/8" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK IN BAY 5, APPROXIMATELY 13' FROM BENT 9)

3 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 30" X 8" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK AT BENTS 8 AND 9)

**Span 9 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	61	60	0	1	0 Feet
515	Steel Protective Coating	61	50	10	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT POST ATTACHMENT 1)

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POST 1)

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENT 1)

**Span 9 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	58	0	2	0 Feet

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

2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (22" SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 11" X 9" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 7' FROM FACE OF BENT 9 CAP)

**Span 9 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.
- 1 Each of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (BROKEN ANCHOR BOLT ON RIGHT SIDE OF BEARING, SEE PHOTO)

**Span 9 Movable Bearing 3**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Movable Bearing 4**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Prestressed Concrete Girder 5**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	50	4	6	0 Feet

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

1 Feet of Patched Area: Patched area that is sound. (6" X 5" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 29'

FROM FACE OF BENT 8 CAP)

1 Feet of Patched Area: Patched area that is sound. (7" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 20' FROM FACE OF BENT 9 CAP)

1 Feet of Patched Area: Patched area that is sound. (5" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 17' FROM FACE OF BENT 9 CAP)

1 Feet of Patched Area: Patched area that is sound. (19" X 11" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 14' FROM FACE OF BENT 9 CAP)

6 Feet of Delamination/Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (69" X 20" AREA OF DELAMINATION WITH UP TO 0.016" LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND RIGHT FACE OF BOTTOM FLANGE AND 46" X 20" DELAMINATED REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 1' FROM FACE OF BENT 9 CAP, SEE PHOTO)

**Span 9 Movable Bearing 5**

**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 5**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Movable Bearing 6**

**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 9 Fixed Bearing 6

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 9 Movable Bearing 7

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 9 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 9 Movable Bearing 8

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Prestressed Concrete Girder 9**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	60	40	9	11	0	Feet

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

- PRIORITY MAINTENANCE: 2 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (18" X 7" X 2 1/2" DEEP SPALL WITH EXPOSED STRAND AND REBAR IN FAILED REPAIR AND 6" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 14' FROM FACE OF BENT 8 CAP, SEE PHOTO)
- PRIORITY MAINTENANCE: 2 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (16" X 13" X 1 1/2" DEEP SPALL WITH EXPOSED STRANDS AND REBAR IN FAILED REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 16' FROM FACE OF BENT 8 CAP, SEE PHOTO)
- PRIORITY MAINTENANCE: 2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (24" X 15" X 2" DEEP SPALL WITH EXPOSED STRANDS AND REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 19' FROM FACE OF BENT 8 CAP, SEE PHOTO)
- 3 Feet of Patched Area: Patched area that is sound. (26" X 10" X 5" PRIORITY MAINTENANCE REPAIR IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE AT BENT 8, SEE PHOTO)
- 2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. (20" X 20" AREA OF FAILED REPAIR, DELAMINATION AND UP TO 0.025" LONGITUDINAL CRACKS AND MAP CRACKS IN BOTTOM OF GIRDER, APPROXIMATELY 4' FROM FACE OF BENT 8 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (5" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 6' FROM FACE OF BENT 8 CAP)
- 2 Feet of Patched Area: Patched area that is sound. (20" X 16" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 8' FROM FACE OF BENT 8 CAP)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 4" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 10' FROM FACE OF BENT 8 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (9" X 7" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 10' FROM FACE OF BENT 8 CAP)
- 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (10" X 5" FAILED REPAIR AND AREA OF DELAMINATION WITH 6" X 2" X 1/4" DEEP SPALL IN BOTTOM OF GIRDER, APPROXIMATELY 11' FROM FACE OF BENT 8 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (13" X 10" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 12' FROM FACE OF BENT 8 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (9" X 8" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 13'



FROM FACE OF BENT 8 CAP)

1 Feet of Delamination/Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (16" X 9" REPAIR WITH 8" X 7" AREA OF DELAMINATION IN BOTTOM OF GIRDER, APPROXIMATELY 17' FROM FACE OF BENT 8 CAP)

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (14" X 12" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 20' FROM FACE OF BENT 9 CAP)

**Span 9 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 9 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	56	2	0	0	54 Feet

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

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 8 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 10 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	4,182	957	0	3,225	0 Square Feet

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

3225 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1075 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

**Span 10 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	65	0	3	0 Feet
515	Steel Protective Coating	68	40	25	0	3 Square Feet

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

3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENTS 4, 5 AND 9)

1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POST 9)

25 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

3 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENTS 4, 5 AND 9)

**Span 10 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

1 Feet of Exposed Rebar: Present without measurable section loss. (24" X 1" AREA OF EXPOSED REBAR IN LEFT FACE OF TOP CHAMFER AT BENT 10)

**Span 10 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Prestressed Concrete Girder 2**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	65	3	0	0 Feet

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

3 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (29' SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 5" DIAMETER X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 19' FROM FACE OF BENT 9 CAP)

**Span 10 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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## Span 10 Movable Bearing 4

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Prestressed Concrete Girder 5

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0	Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (2 1/2" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 10 CAP)

## Span 10 Movable Bearing 5

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Fixed Bearing 5

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Movable Bearing 6

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Fixed Bearing 6

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Prestressed Concrete Girder 7

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	66	2	0	0	Feet

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

2 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (18" SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 7" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 22' FROM FACE OF BENT 10 CAP)

## Span 10 Movable Bearing 7

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 10 Prestressed Concrete Girder 8

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	55	9	4	0	Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (1' SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 8" X 7" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 7' FROM FACE OF BENT 9 CAP)

3 Feet of Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (3' SECTION OF THREE (3) FAILED REPAIRS WITH UP TO 10" X 6" X 1/2" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 14' FROM FACE OF BENT 9 CAP)

12 Feet of Spall/Patched Area: Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. (12' SECTION OF UP TO 13" X 6" REPAIRS AND 5" DIAMETER X 1/2" DEEP SPALL IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 10' FROM FACE OF BENT 9 CAP)

8" X 5 1/2" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN SPAN 10 FACE OF BENT 10 DIAPHRAGM IN BAY 8

**Span 10 Movable Bearing 8**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Prestressed Concrete Girder 9**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	40	17	11	0	Feet

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

- PRIORITY MAINTENANCE: 2 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (18" X 9" FAILED REPAIR WITH 14" X 6" X 1" DEEP SPALL WITH EXPOSED STRAND AND REBAR AND 5" X 4" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 12' FROM FACE OF BENT 9 CAP, SEE PHOTO)
- PRIORITY MAINTENANCE: 5 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (60" X 20" AREA OF FAILED REPAIR WITH 23" X 9" X 1 1/2" DEEP AND 14" X 10" X 1" DEEP SPALLS WITH EXPOSED STRANDS AND REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 18' FROM FACE OF BENT 9 CAP, SEE PHOTO)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (1' SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 5" DIAMETER X 1/2" DEEP IN BOTTOM OF GIRDER, APPROXIMATELY 7' FROM FACE OF BENT 9 CAP)
- 3 Feet of Patched Area: Patched area that is sound. (30" SECTION OF REPAIRS UP TO 6" X 6" IN BOTTOM OF GIRDER, APPROXIMATELY 9' FROM FACE OF BENT 9 CAP)
- 3 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (FOUR (4) AREAS OF FAILED REPAIRS WITH UP TO 9" X 2" X 1/4" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 14' FROM FACE OF BENT 9 CAP)
- 1 Feet of Patched Area: Patched area that is sound. (5" X " REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 23' FROM FACE OF BENT 9 CAP)



1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (1' SECTION OF SPALLS WITH EXPOSED REBAR UP TO 10" X 5" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 25' FROM FACE OF BENT 9 CAP)

3 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (30" SECTION OF FOUR (4) SPALLS WITH EXPOSED REBAR UP TO 12" X 2" X 1/4" DEEP IN BOTTOM OF GIRDER AT MIDSPAN)

5 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (7' SECTION OF FIVE (5) SPALLS WITH EXPOSED REBAR UP TO 9" X 3 1/2" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 21.5' FROM FACE OF BENT 10 CAP)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4" DIAMETER X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 11' FROM FACE OF BENT 10 CAP)

3 Feet of Exposed Rebar: Present without measurable section loss. (26" X 1" AREA OF EXPOSED REBAR IN LEFT FACE OF TOP CHAMFER AT BENT 10, SEE PHOTO)

**Span 10 Movable Bearing 9**

**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Fixed Bearing 9**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 10 Standard Joint 1**

**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

- 54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 9 JOINT)
- 54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 11 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	4,182	947	0	3,235	0 Square Feet

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

3225 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1075 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (TWO (2) UP TO 21" X 2" FAILED REPAIRS IN TOP OF DECK NEAR MIDSPAN IN INSIDE EASTBOUND LANE)

10 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF LEFT OVERHANG AND ALONG EDGE OF DECK AT BENT 10)

APPROXIMATELY 25' X 11" AREA OF CONCRETE SPILL ON TOP OF DECK IN OUTSIDE EASTBOUND LANE

**Span 11 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	67	0	1	0 Feet
515	Steel Protective Coating	68	48	20	0	0 Square Feet

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

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POST 8)

20 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 11 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

1 Feet of Exposed Rebar: Present without measurable section loss. (17" X 3" AREA OF EXPOSED REBAR IN RIGHT FACE OF TOP CHAMFER AT BENT 11)

**Span 11 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Prestressed Concrete Girder 2**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	67	0	1	0	Feet

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

- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (11" X 10" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 9" FROM FACE OF BENT 11 CAP)

**Span 11 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Fixed Bearing 2****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Movable Bearing 3****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Fixed Bearing 3****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Prestressed Concrete Girder 4****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	65	1	2	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 14' FROM FACE OF BENT 10 CAP)

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (8" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 31' FROM FACE OF BENT

10 CAP)

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (7" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 27' FROM FACE OF BENT 11 CAP)

## Span 11 Movable Bearing 4

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 11 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 11 Prestressed Concrete Girder 5

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	54	1	13	0 Feet

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

13 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (10' SECTION OF 13 SPALLS WITH EXPOSED REBAR UP TO 17" X 5" X 1/2" DEEP AND UP TO 0.013" LONGITUDINAL CRACKS IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 16.5' FROM FACE OF BENT 11 CAP)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 12' FROM FACE OF BENT 11 CAP)

**Span 11 Movable Bearing 5**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Prestressed Concrete Girder 6**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	32	2	34	0	Feet

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

- PRIORITY MAINTENANCE: 3 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (35" X 9" X 2 1/2" DEEP SPALL WITH EXPOSED STRAND AND REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 15' FROM FACE OF BENT 10 CAP, SEE PHOTO)
- PRIORITY MAINTENANCE: 3 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (28" SECTION OF UP TO 0.013" LONGITUDINAL CRACKS, 7 1/2" X 6 1/2" X 2" DEEP SPALL WITH EXPOSED STRAND AND REBAR AND 8" X 7" X 1" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 5" FROM FACE OF BENT 11 CAP, SEE PHOTO)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER AT EMBEDDED PLATE AT BENT 10)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 13' FROM FACE OF BENT 10 CAP)
- 3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. (34" X 7" X 1" AREA OF DELAMINATION WITH UP TO 0.01" LONGITUDINAL CRACKS IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE, APPROXIMATELY 12" FROM BEARING AT BENT 10)
- 2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. (16" X 5" X 1" AREA OF DELAMINATION WITH UP TO 0.02" LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE, APPROXIMATELY 14' FROM FACE OF BENT 10 CAP)
- 21 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (23'

SECTION OF 21 SPALLS WITH EXPOSED REBAR UP TO 16" X 6" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 18' FROM FACE OF BENT 10 CAP)

2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (17" SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 8" X 7" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 11' FROM FACE OF BENT 11 CAP)

**Span 11 Movable Bearing 6**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 11 Prestressed Concrete Girder 7**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0	Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 11' FROM FACE OF BENT 11 CAP)

**Span 11 Movable Bearing 7**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 11 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 11 Prestressed Concrete Girder 8

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	66	2	0	0 Feet

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

2 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (2' SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 5" X 5" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 21' FROM FACE OF BENT 11 CAP)

## Span 11 Movable Bearing 8

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 11 Fixed Bearing 8

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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





54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 12 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	6,089	497	0	5,592	0 Square Feet

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

4750 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1585 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

6 Square Feet of Patched Area: Patched area that is sound. (64" X 13" REPAIR IN TOP OF DECK ALONG BENT 11 JOINT EXTENDING FROM LEFT CURB)

11 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (132" X 0.05" DIAGONAL CRACK IN TOP OF DECK IN OUTSIDE WESTBOUND LANE, APPROXIMATELY 7' FROM BENT 12 JOINT)

1 Square Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (13" X 2" X 3/4" DEEP SPALL ALONG EDGE OF DECK AT BENT 12 JOINT, APPROXIMATELY 18" FROM RIGHT CURB)

40 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE CRACKS AND HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF BOTH OVERHANGS, CRACKS IN BOTTOM OF RIGHT OVERHANG APPROXIMATELY 21' FROM BENT 11 SHOWN IN PHOTO)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (10" X 3" X 3/4" DEEP SPALL IN BOTTOM OF RIGHT OVERHANG, ADJACENT TO GIRDER 8, APPROXIMATELY 2' FROM END OF GIRDER AT BENT 11)

800 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK AND THROUGHOUT BAY 4, CRACKS IN BAY 4 APPROXIMATELY 25' FROM BENT 11 SHOWN IN PHOTO)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (10" X 4" X 1/2" DEEP SPALL IN BOTTOM OF RIGHT OVERHANG, ADJACENT TO GIRDER 8, APPROXIMATELY 1' FROM END OF GIRDER AT BENT 12)

**Span 12 Left Bridge Rail**  
**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	99	95	3	1	0 Feet

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

4 Feet of Damage: The element has impact damage. The specific damage caused by the impact has been captured in Condition State 2 under the appropriate material defect entry.

4 Feet of Distortion: Distortion not requiring mitigation or mitigated distortion. (48" X UP TO 1 1/2" AREA OF DISTORTION DUE TO IMPACT DAMAGE IN MIDDLE RAIL NEAR MIDSPAN)

2 Feet of Distortion: Distortion not requiring mitigation or mitigated distortion. (2" X 1 1/2" TEAR IN EAST FACE OF POST 8 AT BOTTOM RAIL AND 7" X 3/4" DISTORTION IN EAST FACE OF POST 9 BETWEEN BOTTOM AND MIDDLE RAIL, TEAR IN POST 8 SHOWN IN PHOTO)

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review (MISSING ATTACHMENT BOLT FOR MIDDLE RAIL AT POST 8, SEE PHOTO)

## Span 12 Median Rail

## Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	99	62	35	2	0 Feet
515	Steel Protective Coating	99	49	15	35	0 Square Feet

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

35 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION EXTENDING FROM BENT 11 JOINT, CONDITION APPROXIMATELY 6' FROM BENT 11 JOINT SHOWN IN PHOTO)

2 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 5 AND 10)

15 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

35 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (EXTENDING FROM BENT 11 JOINT)

## Span 12 Plate Girder 1

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,288	70	0	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 12 Plate Girder 2

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,288	70	0	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Plate Girder 3**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,288	70	0	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,278	70	10	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (PITTING ALONG BOTTOM FLANGE AND AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS ALONG BOTTOM FLANGE, CONDITION APPROXIMATELY 4' FROM FACE OF BENT 11 CAP SHOWN IN PHOTO)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,287	70	1	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER, CONDITION APPROXIMATELY 18' FROM FACE OF BENT 11 CAP SHOWN IN PHOTO)

1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING ON RIGHT SIDE OF WEB AND BOTTOM OF TOP FLANGE AT BENT 12)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Plate Girder 6**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,288	70	0	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER AND AT BOLTED FIELD SPLICES)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,288	70	0	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (PITTING ALONG BOTTOM FLANGE AND AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER, SEE PHOTO)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Plate Girder 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	97	0	97	0	0 Feet
515	Steel Protective Coating	1,358	1,288	70	0	0 Square Feet

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

97 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

70 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	5	3	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	5	3	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	5	3	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	5	3	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 12 Expansion Joint**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

10 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 11 JOINT)

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 11 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 13 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	7,626	671	0	6,955	0 Square Feet

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

5950 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.05" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES, CRACKS NEAR MIDSPAN SHOWN IN PHOTO)

1985 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (15" X 4 1/2" X 2 1/2" DEEP SPALL ALONG EDGE OF DECK AT BENT 12 JOINT, APPROXIMATELY 18" FROM RIGHT CURB, SEE PHOTO)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (20" X 2" X 3" DEEP SPALL ALONG GIRDER 4 HAUNCH ON RIGHT SIDE, APPROXIMATELY 25' FROM BENT 13, SEE PHOTO)

45 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE CRACKS AND HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF BOTH OVERHANGS)

960 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK AND THROUGHOUT BAY 4)

**Span 13 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	124	82	36	6	0 Feet
515	Steel Protective Coating	124	47	40	36	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH AREAS OF UP TO 100% LOSS OF SECTION AT RAIL POST ATTACHMENT 16)

5 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 2, 4, 8, 9 AND 12)

36 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT RAIL EXTENDING FROM BENT 12 JOINT)

40 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT RAIL POST ATTACHMENT 16)

36 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (EXTENDING FROM BENT 12 JOINT)

UP TO 1/8" VERTICAL AND TRANSVERSE CRACKS IN TOP AND FACES OF CURB IN VARIOUS LOCATIONS THROUGHOUT, CONDITION IN RIGHT FACE APPROXIMATELY 24' FROM BENT 13 JOINT SHOWN IN PHOTO

**Span 13 Plate Girder 1**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	367	2	0 Feet
515	Steel Protective Coating	5,535	5,239	275	18	3 Square Feet

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH UP TO 9 1/2" X 2" X 1/8" DEEP LOSS OF SECTION IN TOP OF BOTTOM FLANGE, UP TO 9 1/2" X 3" X 1/8" DEEP LOSS OF SECTION IN BOTH FACES OF DIAPHRAGM AND UP TO 3" X 3" X 1/16" DEEP LOSS OF SECTION IN BOTH FACES OF WEB IN SPAN 15 AT BENT 15 BEARING, SEE PHOTOS)

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 9 1/2" X UP TO 4" X 1/8" DEEP LOSS OF SECTION IN RIGHT FACE OF PEDESTAL AND IN STIFFENER IN SPAN 15 AT BENT 15 BEARING, SEE PHOTO)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 3 1/2" X 2 1/2" AREA OF SCALING AND PACK RUST AT ENDS OF GIRDERS ON BOTH SIDES AT BOLTED FIELD SPLICE 1 IN SPAN 14, APPROXIMATELY 20' FROM BENT 13)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 9 1/2" X 1 1/2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN EAST FACE STIFFENER AND IN TOP OF BOTTOM FLANGE OF PEDESTAL ON LEFT SIDE IN SPAN 15 AT BENT 15 BEARING)

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

18 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS ALONG BOTTOM FLANGE IN SPAN 13)

3 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 14 AT BOLTED FIELD SPLICE 1 AND IN SPAN 15 AT BENT 15 BEARING)

**Span 13 Plate Girder 2**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	369	0	0 Feet
515	Steel Protective Coating	5,535	5,250	275	10	0 Square Feet

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

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF WEB)

**Span 13 Plate Girder 3**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	368	1	0 Feet
515	Steel Protective Coating	5,535	5,257	275	1	2 Square Feet

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 4 1/2" X 1" X UP TO 1/8" DEEP LOSS OF SECTION IN TOP OF BOTTOM FLANGE ON LEFT SIDE ALONG BOTTOM OF DIAPHRAGM IN SPAN 15 AT BENT 15 BEARING, SEE PHOTO)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 5 1/2" X 3" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB, EAST FACE OF DIAPHRAGM AND ALONG WELDS IN SPAN 15 AT BENT 15 BEARING, SEE PHOTO)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 6" X 4" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF PEDESTAL, IN STIFFENER AND ALONG WELD IN SPAN 15 AT BENT 15 BEARING)

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN BOTTOM FLANGE IN SPAN 13, APPROXIMATELY 50' FROM BENT 13)

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 15 AT BENT 15 BEARING)

**Span 13 Plate Girder 4**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	368	1	0 Feet
515	Steel Protective Coating	5,535	5,257	275	1	2 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 2" X 2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN BOTH FACES OF WEB, IN EAST AND WEST FACE OF DIAPHRAGM AND ALONG WELDS IN SPAN 15 AT BENT 15 BEARING)

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN BOTTOM FLANGE IN SPAN 13, APPROXIMATELY 30' FROM BENT 12)

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 15 AT BENT 15 BEARING)

**Span 13 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	368	1	0 Feet
515	Steel Protective Coating	5,535	5,254	275	5	1 Square Feet

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

1 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (PITTING ALONG BOTTOM FLANGE IN SPAN 13 AT BENT 13)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (5" X 5" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN BOTH FACES OF PEDESTAL, IN STIFFENER AND ALONG WELD IN SPAN 15 AT BENT 15 BEARING, CONDITION ON RIGHT FACE SHOWN IN PHOTO)

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 15 AT BENT 15 BEARING)

5 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS ALONG BOTTOM FLANGE IN SPAN 13)

**Span 13 Plate Girder 6**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	368	1	0 Feet
515	Steel Protective Coating	5,535	5,259	275	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (7" X 4" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB, IN DIAPHRAGM AND ALONG WELD IN SPAN 15 AT BENT 15 BEARING, SEE PHOTO)

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 15 AT BENT 15 BEARING)

**Span 13 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	368	1	0 Feet
515	Steel Protective Coating	5,535	5,259	275	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (4 1/2" X 3" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB, IN DIAPHRAGM AND ALONG WELD IN SPAN 15 AT BENT 15 BEARING)

369 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 15 AT BENT 15 BEARING)

**Span 13 Plate Girder 8**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	369	0	368	1	0 Feet
515	Steel Protective Coating	5,535	5,184	275	0	76 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST AT ENDS OF GIRDERS AND AROUND THREE (3) BOLTS AT BOLTED FIELD SPLICE 1 IN SPAN 14, APPROXIMATELY 20' FROM BENT 13, CONDITION ON LEFT SIDE SHOWN IN PHOTO)

124 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER AND AREAS OF PITTING ALONG BOTTOM FLANGE IN SPAN 15)

245 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER IN SPANS 13 AND 14)

275 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (IN SPAN 14 AT BOLTED FIELD SPLICE 1)

75 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS ALONG BOTTOM FLANGE IN SPAN 13)

**Span 13 Near Bearing**

**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.
- 75% LOSS OF SECTION IN NUT ON RIGHT SIDE OF BEARING (SEE PHOTO)

**Span 13 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**

**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Near Bearing**

**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**

**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 13 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SEE PHOTO)
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Near Bearing  
Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing  
Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Near Bearing  
Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	8	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	10	7	3	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 3 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 13 Intermediate Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 13 Intermediate Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 13 Intermediate Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 13 Intermediate Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	1	1	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Intermediate Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	6	4	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 13 Expansion Joint**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

- 20 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 12 JOINT)
- 34 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 12 JOINT)
- 54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 14 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	7,565	0	0	7,565	0 Square Feet

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

- 5905 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.05" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 1970 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 7565 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE THROUGHOUT BOTTOM OF DECK AND BOTH OVERHANGS)

**Span 14 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	123	120	1	2	0 Feet
515	Steel Protective Coating	123	73	50	0	0 Square Feet

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

2 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 5 AND 7)

1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POST 9)

50 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

UP TO 1/8" VERTICAL AND TRANSVERSE CRACKS IN TOP AND FACES OF CURB IN VARIOUS LOCATIONS THROUGHOUT

**Span 15 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	7,626	0	0	7,626	0 Square Feet

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

5950 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.06" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1985 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (9" X 7" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN TOP OF DECK IN OUTSIDE EASTBOUND LANE, APPROXIMATELY 42' FROM BENT 15 JOINT AND 10' FROM RIGHT CURB)

7626 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE THROUGHOUT BOTTOM OF DECK AND BOTH OVERHANGS)

**Span 15 Left Bridge Rail**  
**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	124	117	7	0	0 Feet

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

7 Feet of Damage: The element has impact damage. The specific damage caused by the impact has been captured in Condition State 2 under the appropriate material defect entry.

7 Feet of Distortion: Distortion not requiring mitigation or mitigated distortion. (84" X UP TO 3 1/2" DISTORTION DUE TO IMPACT DAMAGE IN BOTTOM RAIL, APPROXIMATELY 38' FROM BENT 14 JOINT, SEE PHOTO)



**Span 15 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	124	82	37	5	0 Feet
515	Steel Protective Coating	124	48	40	36	0 Square Feet

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

5 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 8, 12, 13, 14 AND 16)

1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POST 7)

36 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT RAIL BEGINNING APPROXIMATELY 36' FROM BENT 14)

40 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

36 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (BEGINNING APPROXIMATELY 36' FROM BENT 14)

**Span 16 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	8,441	1,816	0	6,625	0 Square Feet

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

6625 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.06" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

2195 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

28 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (164" X 24" FAILED REPAIR WITH UP TO 72" X 24" AREAS OF DELAMINATION WITH UP TO 1/4" CRACKS ALONG BENT 15 JOINT IN OUTSIDE EASTBOUND LANE, SEE PHOTO)

28 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (144" X 24" FAILED REPAIR WITH UP TO 0.05" CRACKS AND UP TO 28" X 2" X 1/2" DEEP SPALLS ALONG BENT 15 JOINT IN INSIDE EASTBOUND LANE, SEE PHOTO)

160 Square Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK, PRIMARILY FROM BENT 15 TO MIDSPAN, CRACKS IN BAY 5 APPROXIMATELY 20' FROM BENT 15 SHOWN IN PHOTO)

APPROXIMATELY 20' X 11" AREA OF CONCRETE SPILL ON TOP OF DECK IN OUTSIDE EASTBOUND LANE

**Span 16 Left Bridge Rail**  
**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	138	130	7	1	0 Feet
515	Steel Protective Coating	30	30	0	0	0 Square Feet

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

8 Feet of Damage: The element has impact damage. The specific damage caused by the impact has been captured in Condition State 2 under the appropriate material defect entry.

8 Feet of Distortion: Distortion not requiring mitigation or mitigated distortion. (88" X UP TO 2" DISTORTION DUE TO IMPACT DAMAGE IN BOTTOM RAIL NEAR MIDSPAN)

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review (MISSING ATTACHMENT BOLT FOR MIDDLE RAIL AT POST 8)

**Span 16 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	138	85	47	6	0 Feet
515	Steel Protective Coating	138	93	0	45	0 Square Feet

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

6 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 1, 3, 4, 10, 11 AND 12; CONDITION AT POST 10 SHOWN IN PHOTO)

2 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POSTS 14 AND 16)

45 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION IN VARIOUS LOCATIONS THROUGHOUT)

45 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (IN VARIOUS LOCATIONS THROUGHOUT)

**Span 16 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	125	9	0 Feet
515	Steel Protective Coating	2,278	2,156	113	0	9 Square Feet

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

PRIORITY MAINTENANCE: Bracket 3 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 6" X UP TO 3/16" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 16" X 3" AREA WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF WEB, APPROXIMATELY 27' FROM PIER 17, CONDITION ON WEST SIDE SHOWN IN PHOTO)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 7" X 1" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB, DIAPHRAGM AND ALONG WELDS AT BENT 15 BEARING)

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (16" X 3" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF WEB AT BRACKET 4, APPROXIMATELY 8' FROM PIER 17)

Bracket 1 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (14" X 6" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN CONNECTION PLATE AND 17" X 2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF WEB, APPROXIMATELY 67' FROM PIER 17)

Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (14" X 4" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN CONNECTION PLATE AND 16" X 2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF WEB, APPROXIMATELY 47' FROM PIER 17)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

9 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 15 BEARING AND AT BRACKETS 1 THRU 4)

**Span 16 Plate Girder 2**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	133	1	0 Feet
515	Steel Protective Coating	2,278	2,163	113	0	2 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 4 1/2" X 2 1/2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN TOP OF BOTTOM FLANGE ON BOTH SIDES, WEST FACE OF DIAPHRAGM AND ALONG WELDS AT BENT 15 BEARING)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 15 BEARING)

**Span 16 Plate Girder 3**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	133	1	0 Feet
515	Steel Protective Coating	2,278	2,164	113	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 11" X 2 1/2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN BOTH FACES OF WEB, DIAPHRAGM AND ALONG WELDS AT BENT 15 BEARING)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 15 BEARING)

**Span 16 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	133	1	0 Feet
515	Steel Protective Coating	2,278	2,164	113	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 8" X 2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN BOTH FACES OF WEB, DIAPHRAGM AND ALONG WELDS AT BENT 15 BEARING)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 15 BEARING)

**Span 16 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	131	3	0 Feet
515	Steel Protective Coating	2,278	2,162	113	0	3 Square Feet

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB WITH 9" X 4" LOSS OF SECTION AND 1/8" RESIDUAL WEB AT END OF GIRDER AT BENT 15, APPROXIMATELY 21" FROM TOP OF GIRDER, SEE PHOTO)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 11" X 2 1/2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN BOTH FACES OF WEB, DIAPHRAGM AND ALONG WELDS AT BENT 15 BEARING)

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (2" SECTION OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION ON LEFT SIDE OF BOTTOM FLANGE AND 4" X 2" AREA OF PACK RUST IN EAST FACE OF DIAPHRAGM ALONG WELD TO BOTTOM FLANGE, APPROXIMATELY 40" FROM END OF GIRDER AT BENT 15, SEE PHOTO)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

3 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 15 BEARING)

**Span 16 Plate Girder 6**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,278	2,165	113	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,278	2,165	113	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Plate Girder 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	125	9	0 Feet
515	Steel Protective Coating	2,278	2,156	113	0	9 Square Feet

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 3" X 2" X UP TO 1/4" DEEP LOSS OF SECTION IN RIGHT FACE OF WEB AND STIFFENER AT WEST TOWER PIER BEARING, APPROXIMATELY 9" FROM END OF GIRDER, SEE PHOTO)

PRIORITY MAINTENANCE: Bracket 1 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 6" X UP TO 1/8" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 14" X 2" X UP TO 1/16" AREA OF LOSS OF SECTION IN RIGHT FACE OF WEB, APPROXIMATELY 65' FROM BENT 15, CONDITION ON WEST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 13" X UP TO 3/16" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 17" X 3" X UP TO 1/16" AREA OF LOSS OF SECTION IN RIGHT FACE OF WEB, APPROXIMATELY 85' FROM BENT 15, CONDITION ON WEST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 3 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 17" X 14" X UP TO 1/16" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 15" X 2" X UP TO 1/16" AREA OF LOSS OF SECTION IN RIGHT FACE OF WEB, APPROXIMATELY 27' FROM PIER 17, CONDITION ON WEST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 4 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 8" X UP TO 1/4" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 15" X 4" X UP TO 1/16" AREA OF LOSS OF SECTION IN RIGHT FACE OF WEB, APPROXIMATELY 7' FROM PIER 17, CONDITION ON WEST SIDE SHOWN IN PHOTO)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

9 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BRACKETS 1 THRU 4 AND AT PIER 17)

SCALING AND PACK RUST WITH 4" X 2" X 1/8" DEEP LOSS OF SECTION IN WEST FACE OF BENT 15 DIAPHRAGM AT WELD TO GIRDER 8 (SEE PHOTO)

PARKING PLATFORM CONDITIONS:

Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (18" X 17" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN TOP FLANGE OF BRACKET, APPROXIMATELY 85' FROM BENT 15, CONDITION ON WEST SIDE SHOWN IN PHOTO)

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (TOP FLANGE OF BRACKET 2)

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	4	3	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (AREAS OF SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	14	10	4	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

4 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (AREAS OF SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	7	6	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (AREAS OF SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING

AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE, SEE PHOTO)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Near Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 16 Far Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 16 Near Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	2	2	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 16 Far Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	14	10	4	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

4 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 17 Truss Panel 2

## Steel Truss Panel

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
120	Steel Truss	31	29	0	2	0	Feet

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

## Span 18 Deck

## Steel Deck with Open Grid

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
28	Steel Deck with Open Grid	24,480	24,430	50	0	0	Square Feet

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

**Span 18 Truss Panel 1**  
**Steel Truss Panel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
120	Steel Truss	408	403	0	5	0 Feet

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

**Span 18 Truss Panel 2**  
**Steel Truss Panel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
120	Steel Truss	408	405	3	0	0 Feet

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

**Span 18 U0U1**  
**Steel Truss Top Chord**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet
910	Primary Steel Truss Member	35	34	1	0	0 Feet

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

**Span 18 L0U0**  
**Steel Truss Vertical**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet
910	Primary Steel Truss Member	33	31	2	0	0 Feet

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

## Span 18 L3U3

## Steel Truss Vertical

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet
910	Primary Steel Truss Member	45	35	10	0	0 Feet

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

1/4" DEEP X 10' LONG IMPACT DAMAGE TO LOWER LATERAL STRUT NORTH SIDE OVER WEST BOUND RIGHT LANE, LOCATED 13FT FROM U3 VERTICAL.

## Span 18 L5U5

## Steel Truss Vertical

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet
910	Primary Steel Truss Member	48	47	1	0	0 Feet

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

## Span 18 L7U7

## Steel Truss Vertical

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet
910	Primary Steel Truss Member	48	47	1	0	0 Feet

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

9" LONG X 3/4" DEEP IMPACT DAMAGE TO LOWER LATERAL STRUT NORTH SIDE OVER WEST BOUND RIGHT LANE LOCATED 13FT FROM U7 VERTICAL.

## Span 18 L10U10

## Steel Truss Vertical

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet
910	Primary Steel Truss Member	41	40	1	0	0 Feet

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

**Span 18 Floor Beam 1**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	0	50	12	0 Feet
515	Steel Protective Coating	1,098	1,067	31	0	0 Square Feet

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

**Span 18 Floor Beam 2**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	0	62	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 3**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	0	62	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 4**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	14	48	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 5**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	29	33	0	0 Feet
515	Steel Protective Coating	1,167	1,167	0	0	0 Square Feet

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

**Span 18 Floor Beam 6**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	26	36	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 7**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	51	11	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 8**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	54	8	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 9**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	30	32	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 10**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	44	18	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 11**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	46	16	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 12**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	0	62	0	0 Feet
515	Steel Protective Coating	1,178	1,178	0	0	0 Square Feet

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

**Span 18 Floor Beam 13**  
**W Type Steel Floor Beam**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
152	Steel Floor Beam	62	30	32	0	0 Feet
515	Steel Protective Coating	1,098	1,098	0	0	0 Square Feet

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

**Span 18 Stringer 1**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	375	45	0	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 2**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	226	194	0	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 3**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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



**Span 18 Stringer 4**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	361	59	0	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 5**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	382	36	2	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 6**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	385	35	0	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 7**  
**W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	380	34	6	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 10****W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	418	0	2	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 11****W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	417	0	3	0 Feet
515	Steel Protective Coating	2,206	2,206	0	0	0 Square Feet

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

**Span 18 Stringer 12****W Beam Stringer**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
113	Steel Stringer	420	419	0	1	0 Feet
515	Steel Protective Coating	2,888	2,888	0	0	0 Square Feet

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

**Span 18 L10****Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	1	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

**Span 18 U2**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	1	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

**Span 18 U3**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	-40	41	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

**Span 18 U4**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	1	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

7" LONG X 3/8" DEEP PACT RUST UNDER GUSSET PLATE CONNECTION TO UNDERSIDE OF NORH SIDE OF U4.T

**Span 18 U5**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	0	1	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

**Span 18 U6**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	1	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

1/4" WIDE X 10" LONG AREA OF PACK RUST TO U6 NORTH SIDE GUSSET PLATE WEST SIDE OF CONNECTION.

**Span 18 U10**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	1	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

**Span 18 U2**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	1	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

GUSSET PLATE CONNECTION TO L1U2 TOP LATERAL HAS 1/4" OUT OF PLANE BENDING TO CORNER OF SOUTH EAST SIDE OF GUSSET PLATE.

8" LONG X 3/8" - 1/4" PACK RUST TO CENTER GUSSET PLATE CONNECTION BETWEEN U2 NORTH SIDE OF GUSSET PLATE

1/8" - 3/16" PITTING & SECTION LOSS TO TOP LATERAL BETWEEN U2 FOR A LENGTH OF 15FT (BOTTOM FLANGE)

**Span 18 U3**  
**Steel Gusset Plate - Primary**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	0	1	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

3FT LONG X 3/16" - 3/8" CLEANED AND PAINTED SECTION LOSS TO U3 GUSSET PLATE CONNECTION TO TOP

CHORD.

## Span 18 U5

## Steel Gusset Plate - Primary

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	0	1	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

TOP CHORD GUSSET PLATE CONNECTION TO U5 SOUTH SIDE HAS AN AREA CLEANED AND PAINTED SHOWING 1/4" PACK RUST

## Span 18 U6

## Steel Gusset Plate - Primary

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	0	1	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

8" LONG X 3/8" CLEANED AND PAINTED PACK RUST TO U6 SOUTH SIDE TO UNDERSIDE OF TOP LATERAL.

## Span 18 U10

## Steel Gusset Plate - Primary

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
162	Steel Gusset Plate	1	0	0	1	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

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

1 MISSING NUT TO TOP LATERAL CENTER GUSSET PLATE CONNECTION BETWEEN U10 NORTH AND U10 SOUTH.

## Span 19 Deck

## Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,892	1,812	0	80	0 Square Feet

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

**Span 19 Truss Panel 2**  
**Steel Truss Panel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
120	Steel Truss	31	28	0	3	0 Feet

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

**Span 20 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	8,441	0	0	8,441	0 Square Feet

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

6625 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.06" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

2195 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

930 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (UP TO 38" X 4" X 1/4" DEEP SPALLS WITH EXPOSED REBAR IN VARIOUS LOCATIONS THROUGHOUT TOP OF DECK, CONDITION IN EASTBOUND LANES APPROXIMATELY 30' FROM BENT 19 JOINT SHOWN IN PHOTO)

54 Square Feet of Patched Areas: Patched area that is unsound or showing distress. Does not warrant structural review. (APPROXIMATELY 27' X 24" FAILED REPAIR WITH UP TO 1/16" CRACKS AND UP TO 14" X 4" X 3/4" DEEP SPALLS AND UP TO 4' X 12" AREAS OF DELAMINATION, APPROXIMATELY 2' FROM BENT 20 JOINT IN WESTBOUND LANES, SEE PHOTO)

8441 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE THROUGHOUT BOTTOM OF DECK AND BOTH OVERHANGS)

**Span 20 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	138	120	13	5	0 Feet
515	Steel Protective Coating	138	96	30	12	0 Square Feet

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

5 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 2, 3, 9, 13 AND 18)

1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POST 7)

12 Feet of Corrosion: Freckled rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT, BEGINNING APPROXIMATELY 30' FROM BENT 19 JOINT)

30 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

12 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. (BEGINNING APPROXIMATELY 30' FROM BENT 19 JOINT)

**Span 20 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	126	8	0 Feet
515	Steel Protective Coating	2,278	2,156	113	1	8 Square Feet

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

PRIORITY MAINTENANCE: Bracket 1 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 6" X UP TO 1/8" AREA OF LOSS OF SECTION IN CONNECTION PLATE, 17" X 5" X UP TO 1/16" AREA OF LOSS OF SECTION IN LEFT FACE OF WEB AND 14" X 6" X UP TO 1/8" AREA OF LOSS OF SECTION IN BOTTOM FLANGE OF BRACKET, APPROXIMATELY 7' FROM PIER 18, CONDITION ON WEST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 7" X UP TO 1/8" AREA OF LOSS OF SECTION IN CONNECTION PLATE, 18" X 6" X UP TO 1/8" AREA OF LOSS OF SECTION IN LEFT FACE OF WEB, 16" X 7" X UP TO 3/8" AREA OF LOSS OF SECTION IN BOTTOM FLANGE OF BRACKET AND 12" X 5" AREA WITH NO MEASURABLE LOSS OF SECTION ON EAST FACE OF BRACKET WEB, APPROXIMATELY 27' FROM PIER 18, CONDITION ON EAST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 10" X 14" X 5/16" RESIDUAL FLANGE IN TOP FLANGE OF BRACKET, APPROXIMATELY 27' FROM PIER 18, CONDITION ON EAST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 3 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 6" X UP TO 1/4" AREA OF LOSS OF SECTION IN CONNECTION PLATE, 18" X 5" X UP TO 1/8" AREA OF LOSS OF SECTION IN LEFT FACE OF WEB AND 16" X 2" AREA WITH NO MEASURABLE LOSS OF SECTION ON EAST FACE OF BRACKET WEB, APPROXIMATELY 47' FROM PIER 18, CONDITION ON WEST SIDE SHOWN IN PHOTO)

PRIORITY MAINTENANCE: Bracket 3 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 12" X 14" X 1/8" RESIDUAL FLANGE IN TOP FLANGE OF BRACKET, APPROXIMATELY 47' FROM PIER 18, CONDITION ON WEST SIDE SHOWN IN PHOTOS)

PRIORITY MAINTENANCE: Bracket 4 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 17" X UP TO 1/8" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 16" X 3" AREA WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF WEB, APPROXIMATELY 67' FROM PIER 18, CONDITION ON WEST SIDE SHOWN IN PHOTO)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

8 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BRACKETS 1 THRU 4)

1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING IN LEFT FACE OF WEB, APPROXIMATELY 1' FROM BENT 20 CAP)

9" X UP TO 1/8" DISTORTION ALONG GUSSET PLATE ATTACHED TO RIGHT FACE OF WEB AT BRACKET 4 ATTACHMENT, APPROXIMATELY 67' FROM PIER 18 (SEE PHOTOS)

9" X UP TO 1/16" DISTORTION ALONG GUSSET PLATE ATTACHED TO RIGHT FACE OF WEB AT BRACKET 3 ATTACHMENT, APPROXIMATELY 47' FROM PIER 18

**PARKING PLATFORM CONDITIONS:**

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (TOP FLANGE OF BRACKET 2)

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (TOP FLANGE

OF BRACKET 3)

Bracket 4 for Parking Platform: 12 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET BENEATH PARKING PLATFORM ON LEFT SIDE, APPROXIMATELY 67' FROM PIER 18)

12 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective. (THROUGHOUT BRACKET 4)

2 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET STRINGER 2 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 1 AND 2)

2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING THROUGHOUT STRINGER 2 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 1 AND 2)

6 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET STRINGER 2 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 2 AND 3)

6 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING THROUGHOUT STRINGER 2 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 2 AND 3)

2 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET STRINGER 1 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 3 AND 4)

2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING THROUGHOUT STRINGER 1 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 3 AND 4)

3 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET STRINGER 2 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 3 AND 4)

3 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING THROUGHOUT STRINGER 2 BENEATH PARKING PLATFORM ON LEFT SIDE BETWEEN BRACKETS 3 AND 4)

**Span 20 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	14	10	4	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

4 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 20 Plate Girder 2**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	133	1	0 Feet
515	Steel Protective Coating	2,278	2,164	113	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (5" X 2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN LEFT FACE OF WEB, DIAPHRAGM AND ALONG WELDS AT BENT 20 BEARING)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 20 BEARING)

**Span 20 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Plate Girder 3**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,278	2,165	113	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	132	2	0 Feet
515	Steel Protective Coating	2,278	2,164	113	0	1 Square Feet

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

PRIORITY MAINTENANCE: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (16" X 3" AREA OF SCALING AND PACK RUST WITH UP TO 1/8" LOSS OF SECTION IN BOTTOM

FLANGE, APPROXIMATELY 63' FROM BENT 20, SEE PHOTO)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (APPROXIMATELY 63' FROM BENT 20)

**Span 20 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	5	4	0	0	1	Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 20 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	134	0	134	0	0	Feet
515	Steel Protective Coating	2,278	2,165	113	0	0	Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 20 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 20 Far Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	5	3	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 20 Plate Girder 6

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	134	0	134	0	0	Feet
515	Steel Protective Coating	2,278	2,165	113	0	0	Square Feet

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

- 134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)
- 113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 20 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,278	2,165	113	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 20 Plate Girder 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	130	4	0 Feet
515	Steel Protective Coating	2,278	2,161	113	0	4 Square Feet

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

**PRIORITY MAINTENANCE:** Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH 14" X 2" X UP TO 1/16" AREA OF LOSS OF SECTION IN CONNECTION PLATE AND 15" X 3" X UP TO 1/16" AREA OF LOSS OF SECTION IN RIGHT FACE OF WEB, APPROXIMATELY 27' FROM PIER 18, CONDITION ON EAST SIDE SHOWN IN PHOTO)

Bracket 3 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (14" X 3" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN CONNECTION PLATE AND 14" X 2 1/2" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB, APPROXIMATELY 47' FROM PIER 18)

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (14" X 1" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB AT BRACKET 4 BENEATH PARKING PLATFORM, APPROXIMATELY 67' FROM PIER 18)

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

113 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

4 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BRACKETS 2 THRU 4)

**PARKING PLATFORM CONDITIONS:**

Bracket 2 for Parking Platform: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (18" X 17" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN TOP FLANGE OF BRACKET, APPROXIMATELY 27' FROM PIER 18)

2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (TOP FLANGE OF BRACKET 2)

Bracket 3 for Parking Platform: 12 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET BENEATH PARKING PLATFORM ON RIGHT SIDE, APPROXIMATELY 47' FROM PIER 18, CONDITION ALONG BOTTOM FLANGE AND WEST FACE OF WEB SHOWN IN PHOTO)

12 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective. (THROUGHOUT BRACKET 3)

8 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET STRINGER 2 BENEATH PARKING PLATFORM ON RIGHT SIDE BETWEEN BRACKETS 1 AND 2)

8 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING THROUGHOUT STRINGER 2 BENEATH PARKING PLATFORM ON RIGHT SIDE BETWEEN BRACKETS 1 AND 2, SEE PHOTO)

8 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (SURFACE CORROSION THROUGHOUT BRACKET STRINGER 2 BENEATH PARKING PLATFORM ON RIGHT SIDE BETWEEN BRACKETS 2 AND 3)

9 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal. (PAINT FLAKING AND PEELING THROUGHOUT STRINGER 2 BENEATH PARKING PLATFORM ON RIGHT SIDE BETWEEN BRACKETS 2 AND 3)

## Span 20 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 20 Far Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	14	10	4	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

4 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 20 Expansion Joint

## Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	54	0	0	0	54	Feet

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

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 19 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

## Span 21 Deck

## Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	8,364	983	0	7,381	0	Square Feet

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

6530 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.06" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

2175 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (12" X 6" X 1" DEEP SPALL IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK ABOVE BENT 20)

850 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK AND BOTH OVERHANGS)

**Span 21 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	136	136	0	0	0 Feet
515	Steel Protective Coating	136	81	55	0	0 Square Feet

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

55 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 21 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Plate Girder 2**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

- 134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)
- 107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Plate Girder 3**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal

**Span 21 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 21 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 21 Far Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	5	4	0	0	1	Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 21 Plate Girder 6

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	134	0	134	0	0	Feet
515	Steel Protective Coating	2,144	2,037	107	0	0	Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 21 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Plate Girder 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 21 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 20 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

### Span 22 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	8,364	1,434	0	6,930	0 Square Feet

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

6530 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.06" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

2175 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

400 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK AND BOTH OVERHANGS)

### Span 22 Steel Rail 3

#### Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	136	129	3	4	0 Feet
515	Steel Protective Coating	136	106	30	0	0 Square Feet

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

3 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POSTS 13, 14 AND 15)

3 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POST 2, 11 AND 17)

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (2 1/2" X UP TO 1/4" TEAR IN RIGHT FLANGE AT BASE OF RAIL POST 9, SEE PHOTO)

30 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

### Span 22 Plate Girder 1

#### Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 2**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 3**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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



134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 6**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 7**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22 Plate Girder 8**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Rocker Bearing 1**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Rocker Bearing 2**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 22** **Rocker Bearing 5**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Rocker Bearing 6**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 22** **Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (AREAS OF



1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND UP TO 15" X 1 1/2" X 1/4" DEEP LOSS OF SECTION ALONG BOTTOM OF MASONRY PLATE AT SOUTHWEST CORNER, SEE PHOTO)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 22 Standard Joint 1**

**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	54	0	0	0	54 Feet

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

15 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 21 JOINT)

39 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 21 JOINT)

54 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 23 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	8,364	882	0	7,482	0 Square Feet

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

7480 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.06" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

2450 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Patched Area: Patched area that is sound. (88" X 7" REPAIR IN TOP OF DECK ALONG BENT 22 JOINT IN OUTSIDE EASTBOUND LANES)

200 Square Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK)

2 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (23" X 7" X 4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK IN BAY 6 ALONG EDGE OF DECK ON LEFT, APPROXIMATELY 54' FROM BENT 22, SEE PHOTO)

AREAS OF MISSING JOINT MATERIAL ALONG EDGES OF DECK IN BAY 6, CONDITION APPROXIMATELY 20' FROM BENT 23 SHOWN IN PHOTO

**Span 23 Steel Rail 3**

**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	136	134	1	1	0 Feet
515	Steel Protective Coating	136	106	30	0	0 Square Feet

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

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POST 7)

1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUT AT RAIL POST 9)

30 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 23 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Rocker Bearing 1**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Plate Girder 2

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Rocker Bearing 2

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Plate Girder 3

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)





## General Comments

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	5	4	0	0	1	Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal

## Span 23 Plate Girder 5

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	134	0	134	0	0	Feet
515	Steel Protective Coating	2,144	2,037	107	0	0	Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Rocker Bearing 5

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	7	5	2	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Fixed Bearing 5

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Plate Girder 6

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 23 Rocker Bearing 6

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	7	6	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (AREAS OF SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 23 Fixed Bearing 6

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Rocker Bearing 7**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	7	6	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (AREAS OF SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 23 Fixed Bearing 7**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	4	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND UP TO 12" X 6" X 1/4" DEEP LOSS OF SECTION IN TOP OF MASONRY PLATE AND 3" X 1 1/2" X 1/8" DEEP LOSS OF SECTION IF RIGHT FACE OF LEFT VERTICAL PLATE, SEE PHOTO)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 23 Plate Girder 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Rocker Bearing 8**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Plate Girder 9**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Plate Girder 10**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Plate Girder 11**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	134	0	134	0	0 Feet
515	Steel Protective Coating	2,144	2,037	107	0	0 Square Feet

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

134 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

107 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Rocker Bearing 9**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	7	5	2	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	3	2	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 23 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	60	0	0	0	60 Feet

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

- 23 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG LENGTH OF BENT 22 JOINT)
- 37 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 22 JOINT)
- 60 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 24 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	6,969	2,079	0	4,890	0 Square Feet

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

- 4890 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.05" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 1630 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 1200 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN BOTTOM OF DECK THROUGHOUT BAYS 7 THRU 11)

**Span 24 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	82	80	1	1	0 Feet
515	Steel Protective Coating	82	65	17	0	0 Square Feet

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

- 1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING ATTACHMENT HARDWARE AT BASE OF RAIL POST 7)
- 1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUT AT RAIL POST 10)
- 17 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)



**Span 24 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	57	0	57	0	0 Feet
515	Steel Protective Coating	624	593	31	0	0 Square Feet

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

57 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

31 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Rocker Bearing 1**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 2**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	61	0	61	0	0 Feet
515	Steel Protective Coating	671	638	33	0	0 Square Feet

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

61 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)



1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	70	0	70	0	0 Feet
515	Steel Protective Coating	768	730	38	0	0 Square Feet

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

70 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

38 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Rocker Bearing 4**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	75	0	75	0	0 Feet
515	Steel Protective Coating	815	775	40	0	0 Square Feet

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

- 75 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)
- 40 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Rocker Bearing 5**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 6**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	79	0	79	0	0 Feet
515	Steel Protective Coating	864	821	43	0	0 Square Feet

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

79 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

43 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24** **Rocker Bearing 6**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24** **Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	3	2	0	0	1	Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 24** **Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	81	0	81	0	0	Feet
515	Steel Protective Coating	889	845	44	0	0	Square Feet

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

81 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

44 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 24 Rocker Bearing 7

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 24 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	3	2	0	0	1	Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 24 Plate Girder 8

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	85	0	85	0	0	Feet
515	Steel Protective Coating	935	889	46	0	0	Square Feet

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

85 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

46 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 24 Rocker Bearing 8

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 9**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	90	0	90	0	0 Feet
515	Steel Protective Coating	982	933	49	0	0 Square Feet

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

90 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

49 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 10**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	94	0	94	0	0 Feet
515	Steel Protective Coating	1,030	979	51	0	0 Square Feet

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

94 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

51 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 24 Plate Girder 11**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	98	0	98	0	0 Feet
515	Steel Protective Coating	1,076	1,022	54	0	0 Square Feet

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

98 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

54 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 24 Plate Girder 12

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	102	0	102	0	0 Feet
515	Steel Protective Coating	1,122	1,066	56	0	0 Square Feet

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

102 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

56 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 24 Rocker Bearing 9

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 24 Fixed Bearing 9

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.







1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (72" X 5" X 2" DEEP SPALL IN EDGE OF DECK ALONG BENT 24 JOINT IN INSIDE WESTBOUND LANE, SEE PHOTO)

400 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK)

**Span 25 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	84	84	0	0	0 Feet
515	Steel Protective Coating	84	74	10	0	0 Square Feet

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

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 25 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Rocker Bearing 1**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 2**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

- 82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)
- 45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Rocker Bearing 2**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 3**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Rocker Bearing 3**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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



## Span 25 Rocker Bearing 5

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 25 Fixed Bearing 5

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	3	3	0	0	0	Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 25 Plate Girder 6

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	82	0	82	0	0	Feet
515	Steel Protective Coating	899	854	45	0	0	Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 25 Rocker Bearing 6

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Rocker Bearing 7**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Fixed Bearing 7**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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



1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	853	45	1	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. (PAINT FLAKING AND PEELING ALONG BOTTOM FLANGE, APPROXIMATELY 20' FROM BENT 24)

**Span 25 Rocker Bearing 8**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST WITH UP TO 32" X 2 1/2" X 1/8" DEEP LOSS OF SECTION ALONG BOTTOM OF MASONRY PLATE AT SOUTHWEST CORNER, SEE PHOTO)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 25 Plate Girder 9**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 10**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 11**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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

82 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Plate Girder 12**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	82	0	0 Feet
515	Steel Protective Coating	899	854	45	0	0 Square Feet

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





General Comments

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 25 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	90	0	0	0	90 Feet

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

- 4 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 24 JOINT IN OUTSIDE EASTBOUND LANE)
- 86 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 24 JOINT)
- 90 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 26 Deck**  
**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	7,182	1,132	0	6,050	0 Square Feet

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

- 6050 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.05" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 2020 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)
- 100 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAYS 1, 2, 5, 10 AND 11)
- AREAS OF MISSING JOINT MATERIAL ALONG EDGES OF DECK IN BAY 6

**Span 26 Median Rail**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	84	84	0	0	0 Feet
515	Steel Protective Coating	84	74	10	0	0 Square Feet

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

- 10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 26 Plate Girder 1**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	105	0	104	1	0 Feet
515	Steel Protective Coating	1,606	1,525	80	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (6" X 2" AREA OF SCALING AND PACK RUST ALONG LEFT FACE OF WEB AT OVERHEAD SIGN ATTACHMENT, APPROXIMATELY 3' FROM END OF GIRDER AT BENT 26)

104 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

80 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (APPROXIMATELY 3' FROM END OF GIRDER AT BENT 26)

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 26 Plate Girder 2**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	101	0	101	0	0 Feet
515	Steel Protective Coating	1,102	1,047	55	0	0 Square Feet

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

101 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

55 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal

**Span 26 Plate Girder 3**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	96	0	96	0	0 Feet
515	Steel Protective Coating	1,054	1,001	53	0	0 Square Feet

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

96 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

53 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Plate Girder 4**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	92	0	92	0	0 Feet
515	Steel Protective Coating	1,005	955	50	0	0 Square Feet

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

92 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

50 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 26 Far Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND THROUGHOUT LEFT AND RIGHT FACE OF MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

## Span 26 Plate Girder 5

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	87	0	87	0	0 Feet
515	Steel Protective Coating	957	909	48	0	0 Square Feet

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

87 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

48 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 26 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 26 Far Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 26 Plate Girder 6

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	0	83	0	0 Feet
515	Steel Protective Coating	910	865	45	0	0 Square Feet

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

83 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

45 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 26 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 26 Far Bearing

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND THROUGHOUT MASONRY)

PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 26 Plate Girder 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	81	0	81	0	0 Feet
515	Steel Protective Coating	884	840	44	0	0 Square Feet

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

81 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

44 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 26 Plate Girder 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	77	0	76	1	0 Feet
515	Steel Protective Coating	838	795	42	0	1 Square Feet

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (UP TO 5" X 3" AREA OF SCALING AND PACK RUST WITH NO MEASURABLE LOSS OF SECTION IN RIGHT FACE OF WEB, EAST FACE OF DIAPHRAGM AND ALONG WELDS AT BENT 25 BEARING)

77 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

42 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. (AT BENT 25 BEARING)

**Span 26 Near Bearing**

**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE)

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal

**Span 26 Plate Girder 9**

**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	72	0	72	0	0 Feet
515	Steel Protective Coating	791	751	40	0	0 Square Feet

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

72 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

40 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Plate Girder 10**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	68	0	68	0	0 Feet
515	Steel Protective Coating	745	708	37	0	0 Square Feet

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

68 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

37 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Plate Girder 11**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	64	0	64	0	0 Feet
515	Steel Protective Coating	697	662	35	0	0 Square Feet

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

64 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

35 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Plate Girder 12**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	60	0	60	0	0 Feet
515	Steel Protective Coating	651	619	32	0	0 Square Feet

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

60 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. (AREAS OF SURFACE CORROSION THROUGHOUT LENGTH OF GIRDER)

32 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	3	2	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

- 1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST THROUGHOUT MASONRY PLATE)
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 26 Near Bearing**

**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 26 Far Bearing**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	3	2	0	0	1 Square Feet

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

- 1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST ALONG TOP OF BEARING ADJACENT TO BOTTOM FLANGE AND THROUGHOUT LEFT FACE OF MASONRY PLATE)
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

**Span 26 Expansion Joint**

**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	90	0	0	0	90 Feet

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

35 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 25 JOINT IN EASTBOUND LANES)

55 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 25 JOINT)

90 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 27 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	5,814	914	0	4,900	0 Square Feet

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

4900 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1635 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

**Span 27 Prestressed Concrete Girder 1**

**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	59	9	0	0 Feet

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

2 Feet of Exposed Rebar: Present without measurable section loss. (20" X 2" AREA OF EXPOSED REBAR IN LEFT FACE OF WEB AT BENT 26)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 2" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 28' FROM FACE OF BENT 26 CAP)

6 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (8' SECTION OF SIX (6) SPALLS WITH EXPOSED REBAR UP TO 5" X 4" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 23' FROM FACE OF BENT 27 CAP)

**Span 27 Movable Bearing 1**

**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



## Span 27 Fixed Bearing 1

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Prestressed Concrete Girder 2

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	65	0	3	0 Feet

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

3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. (28" X 5" X 5" AREA OF DELAMINATION WITH UP TO 0.02" LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE AT BENT 26 CAP, SEE PHOTO)

## Span 27 Movable Bearing 2

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Movable Bearing 3

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Fixed Bearing 3

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Prestressed Concrete Girder 4

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	63	1	4	0 Feet

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

4 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (4' SECTION OF FOUR (4) SPALLS WITH EXPOSED REBAR UP TO 9" X 5" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 19' FROM FACE OF BENT 26 CAP)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 3" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 28' FROM FACE OF BENT 26 CAP)

## Span 27 Movable Bearing 4

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Fixed Bearing 4****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Prestressed Concrete Girder 5****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	0	1	0 Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (7" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 23' FROM FACE OF BENT 27 CAP)

**Span 27 Movable Bearing 5****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Fixed Bearing 5****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



## Span 27 Movable Bearing 7

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Fixed Bearing 7

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Movable Bearing 8

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Fixed Bearing 8

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Movable Bearing 10**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Fixed Bearing 10**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



## Span 27 Fixed Bearing 12

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Prestressed Concrete Girder 13

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	56	12	0	0 Feet

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

12 Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. (12 AREAS OF DELAMINATION AND SPALLS WITH EXPOSED REBAR UP TO 18" X 1 1/2" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 10' FROM BENT 26)

## Span 27 Movable Bearing 13

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Fixed Bearing 13

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



## Span 27 Prestressed Concrete Girder 14

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	55	13	0	0 Feet

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

13 Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. (13 AREAS OF DELAMINATION AND SPALLS WITH EXPOSED REBAR UP TO 10" X 2 1/2" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 10' FROM BENT 26)

## Span 27 Movable Bearing 14

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Fixed Bearing 14

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 27 Prestressed Concrete Girder 15

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (3" DIAMETER X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 21' FROM BENT 26)

**Span 27 Movable Bearing 15****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Fixed Bearing 15****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 27 Steel Rail 3****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	68	68	0	0	0	Feet
515	Steel Protective Coating	68	58	10	0	0	Square Feet

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

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 27 Standard Joint 1****Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	79	0	0	0	79	Feet

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

10 Feet of Debris Impaction: Completely filled and impacts joint movement. (DIRT AND DEBRIS ACCUMULATION ALONG BENT 26 JOINT IN RIGHT SHOULDER OF WESTBOUND AND EASTBOUND LANES)

15 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 26 JOINT IN INSIDE WESTBOUND LANE AND EASTBOUND RAMP LANE)

54 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 26 JOINT)

79 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 28 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	6,643	1,739	4	4,900	0 Square Feet

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

4900 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1635 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

4 Square Feet of Patched Area: Patched area that is sound. (48" X 12" REPAIR IN TOP OF DECK ALONG BENT 28 JOINT IN LEFT SHOULDER OF EASTBOUND RAMP)

**Span 28 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	68	68	0	0	0 Feet
515	Steel Protective Coating	68	58	10	0	0 Square Feet

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

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 28 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	56	10	2	0 Feet

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

3 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (3' SECTION OF THREE (3) SPALLS WITH AND WITHOUT EXPOSED REBAR UP TO 6" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 28' FROM FACE OF BENT 27 CAP)

6 Feet of Spall/Patched Area: Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. (8' SECTION OF TWO (2) REPAIRS UP TO 8" X 7" AND FOUR (4) SPALLS WITH EXPOSED REBAR UP TO 6" DIAMETER X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 18.5' FROM FACE OF BENT 28 CAP)

1 Feet of Patched Area: Patched area that is sound. (7" X 6" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 12.5' FROM FACE OF BENT 28 CAP)

2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (18" SECTION OF TWO (2) SPALLS WITH AND WITHOUT EXPOSED REBAR UP TO 8" X 5" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 30" FROM FACE OF BENT 28 CAP)

**Span 28 Movable Bearing 1**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Movable Bearing 2**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 2**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



**Span 28 Movable Bearing 4**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Prestressed Concrete Girder 5**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	42	6	20	0	Feet

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

- PRIORITY MAINTENANCE: 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (12" X 8" X 1" DEEP SPALL WITH EXPOSED STRANDS AND REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 27 CAP, SEE PHOTO)
- 2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (2' SECTION OF TWO (2) SPALLS WITH EXPOSED REBAR UP TO 7" X 7" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 2' FROM FACE OF BENT 27 CAP)
- 16 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (16' SECTION OF 16 SPALLS WITH EXPOSED REBAR UP TO 18" X 6" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 8.5' FROM FACE OF BENT 27 CAP)
- 3 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5' SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 5" X 1" X 1/4" DEEP IN BOTTOM OF GIRDER AT MIDSPAN)
- 1 Feet of Cracking (PSC): Width less than 0.004 in. or spacing greater than 3 ft. (11" LONGITUDINAL HAIRLINE CRACK IN BOTTOM OF GIRDER AT MIDSPAN)
- 3 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4' SECTION OF FIVE (5) SPALLS WITH EXPOSED REBAR UP TO 6" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 22.5' FROM FACE OF BENT 28 CAP)
- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (12" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 23.5' FROM FACE OF

**Span 28 Movable Bearing 5**

**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 5**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Movable Bearing 6**

**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 6**

**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.





**Span 28 Movable Bearing 8**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Prestressed Concrete Girder 9**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	68	52	9	7	0	Feet

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

- 7 Feet of Spall/Patched Area: Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. (7' SECTION OF THREE (3) REPAIRS UP TO 18" X 3" AND FIVE (5) SPALLS WITH AND WITHOUT EXPOSED REBAR UP TO 6" X 4" X 1/4" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 18' FROM FACE OF BENT 27 CAP)
- 1 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (10" X 4" X 1/2" DEEP FAILED REPAIR AND SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 21' FROM FACE OF BENT 27 CAP)
- 1 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (19" X 7" FAILED REPAIR WITH 6" X 3" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 27' FROM FACE OF BENT 27 CAP)
- 4 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (4' SECTION OF FOUR (4) FAILED REPAIRS AND SPALLS WITH EXPOSED REBAR UP TO 16" X 10" X 1/2" DEEP IN BOTTOM OF GIRDER AT MIDSPAN)
- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (13" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 25' FROM FACE OF BENT 28 CAP)
- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (1' SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 6" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 23' FROM FACE OF BENT 28 CAP)

1 Feet of Patched Area: Patched area that is sound. (17" X 5" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 28 CAP)

**Span 28 Movable Bearing 9**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 9**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Prestressed Concrete Girder 10**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	63	4	1	0 Feet

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

1 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (6" X 4" X 1/2" DEEP FAILED REPAIR AND SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER AT FACE OF BENT 27 CAP)

1 Feet of Patched Area: Patched area that is sound. (14" X 6" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 1' FROM FACE OF BENT 27 CAP)

3 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5' SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 5" X 5" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 12' FROM FACE OF BENT 27 CAP)

**Span 28 Movable Bearing 10**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 10**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Movable Bearing 11**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 11**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Prestressed Concrete Girder 12

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	48	20	0	0 Feet

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

20 Feet of Delamination/Patched Area: Delaminated. Patched area that is sound. (20' SECTION OF UP TO 18" X 4" AREAS OF DELAMINATION AND REPAIRS IN BOTTOM OF GIRDER AT MIDSPAN)

## Span 28 Movable Bearing 12

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Fixed Bearing 12

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Movable Bearing 13

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 13**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Prestressed Concrete Girder 14**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	0	1	0 Feet

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

- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (20" X 3" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 2' FROM FACE OF BENT 27 CAP)

**Span 28 Movable Bearing 14**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 28 Fixed Bearing 14**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Prestressed Concrete Girder 15

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	68	67	0	1	0 Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (12" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 15' FROM BENT 28)

## Span 28 Movable Bearing 15

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Fixed Bearing 15

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Movable Bearing 16

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Fixed Bearing 16

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Movable Bearing 17

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

## Span 28 Fixed Bearing 17

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 28 Standard Joint 1

## Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	90	0	0	0	90 Feet

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

10 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 27 JOINT)

80 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 27 JOINT)

90 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 29 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	6,427	1,776	0	4,651	0 Square Feet

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

4650 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1550 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (12" X 12" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK ABOVE BENT 29)

**Span 29 Steel Rail 3**

**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	78	77	1	0	0 Feet
515	Steel Protective Coating	78	68	10	0	0 Square Feet

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

1 Feet of Connection: Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended. (LOOSE ATTACHMENT NUTS AT RAIL POST 8)

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 29 Prestressed Concrete Girder 1**

**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	77	75	2	0	0 Feet

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

1 Feet of Patched Area: Patched area that is sound. (7" X 5" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 15' FROM FACE OF BENT 28 CAP)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (3" DIAMETER X 1/8" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER AT BENT 29 CAP)





## Span 29 Rocker Bearing 2

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 29 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 29 Rocker Bearing 3

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 29 Fixed Bearing 3

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29** **Rocker Bearing 4**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29** **Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29** **Prestressed Concrete Girder 5**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	77	75	2	0	0	Feet

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

- 2 Feet of Patched Area: Patched area that is sound. (24" SECTION OF TWO (2) REPAIRS UP TO 9" X 4" IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 32" FROM FACE OF BENT 28 CAP)

**Span 29** **Rocker Bearing 5**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Prestressed Concrete Girder 6**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	77	76	1	0	0	Feet

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

- 1 Feet of Patched Area: Patched area that is sound. (9" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 24.5' FROM FACE OF BENT 28 CAP)

**Span 29 Rocker Bearing 6**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Fixed Bearing 6**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29** **Rocker Bearing 8****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29** **Fixed Bearing 8****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29** **Prestressed Concrete Girder 9****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	77	76	1	0	0 Feet

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

1 Feet of Patched Area: Patched area that is sound. (11" X 3" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 35.5' FROM BENT 28)

**Span 29** **Rocker Bearing 9****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Fixed Bearing 9****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Prestressed Concrete Girder 10****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	77	73	4	0	0 Feet

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

1 Feet of Patched Area: Patched area that is sound. (10" X 4" REPAIR IN BOTTOM OF GIRDER, APPROXIMATELY 32' FROM BENT 28)

3 Feet of Patched Area: Patched area that is sound. (30" SECTION OF THREE (3) REPAIRS UP TO 11" X 4" IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 35.5' FROM BENT 28)

1 Feet of Patched Area: Patched area that is sound. (11" X 5" REPAIR IN BOTTOM OF GIRDER NEAR MIDSPAN)

**Span 29 Rocker Bearing 10****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Fixed Bearing 10****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.





1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 29 Standard Joint 1**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	132	0	0	0	132 Feet

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

LENGTH INCLUDES JOINT IN RAMP

27 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL IN VARIOUS LOCATIONS ALONG BENT 28 JOINT)

105 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 28 JOINT)

132 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 30 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	5,722	1,072	0	4,650	0 Square Feet

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

4650 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1550 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

**Span 30 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	78	78	0	0	0 Feet
515	Steel Protective Coating	78	68	10	0	0 Square Feet

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

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 30 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	77	76	0	1	0 Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (9" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 22' FROM FACE OF BENT 30 CAP)

**Span 30** **Rocker Bearing 1**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 30** **Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 30** **Prestressed Concrete Girder 2**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	77	75	1	1	0 Feet

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

PRIORITY MAINTENANCE: 1 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (12" X 6" X 2" SPALL WITH EXPOSED STRAND AND REBAR IN FAILED REPAIR IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE, APPROXIMATELY 24' FROM FACE OF BENT 29 CAP, SEE PHOTO)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (7" X 2" X 1 1/2" SPALL WITH EXPOSED REBAR IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE, APPROXIMATELY 16' FROM FACE OF BENT 29 CAP)

## Span 30 Rocker Bearing 2

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Prestressed Concrete Girder 3

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	77	76	0	1	0	Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (10" X 9" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 18' FROM FACE OF BENT 29 CAP)

## Span 30 Rocker Bearing 3

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Fixed Bearing 3

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Prestressed Concrete Girder 4

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	77	71	2	4	0	Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (10" X 8" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 32' FROM FACE OF BENT 29 CAP)

2 Feet of Patched Area: Patched area that is sound. (32" SECTION OF 11" X 7" AND 14" X 5" REPAIRS IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 37' FROM FACE OF BENT 29 CAP)

3 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (46" SECTION OF THREE (3) SPALLS WITH EXPOSED REBAR UP TO 13" X 6" X 1/2" DEEP IN BOTTOM OF GIRDER, BEGINNING APPROXIMATELY 38' FROM FACE OF BENT 29 CAP)

## Span 30 Rocker Bearing 4

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Fixed Bearing 4

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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## Span 30 Fixed Bearing 6

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Prestressed Concrete Girder 7

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	77	72	3	2	0	Feet

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

PRIORITY MAINTENANCE: 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (12" X 9" X 1" DEEP SPALL WITH EXPOSED STRAND AND REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 24.5' FROM FACE OF BENT 29 CAP, SEE PHOTO)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" DIAMETER X 1/2" DEEP SPALL IN BOTTOM OF GIRDER AT HOLD DOWN POINT, APPROXIMATELY 23.5' FROM FACE OF BENT 29 CAP)

1 Feet of Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. (6" FIA X 1/2" DEEP FAILED REPAIR AND SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 25' FROM FACE OF BENT 29 CAP)

2 Feet of Patched Area: Patched area that is sound. (18" X 7" X 3" REPAIR IN BOTTOM AND LEFT FACE OF BOTTOM FLANGE, APPROXIMATELY 26' FROM FACE OF BENT 29 CAP)

## Span 30 Rocker Bearing 7

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 30 Fixed Bearing 7**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 30 Prestressed Concrete Girder 8**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	77	76	0	1	0 Feet

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

- 1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (12" X 4" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 28' FROM FACE OF BENT 29 CAP)

**Span 30 Rocker Bearing 8**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 30 Fixed Bearing 8**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.







## Span 30 Rocker Bearing 11

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Fixed Bearing 11

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 30 Standard Joint 1

## Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	70	0	0	0	70	Feet

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

10 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 29 JOINT)

60 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 29 JOINT)

70 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

## Span 31 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	7,014	1,313	0	5,701	0	Square Feet

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

5700 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1900 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANES)

1 Square Feet of Patched Area: Patched area that is sound. (17" X 9" REPAIR IN TOP OF DECK ALONG BENT 30 JOINT IN OUTSIDE WESTBOUND THRU LANE)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review. (18" X 5" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK IN BAY 7, APPROXIMATELY 2' FROM BENT 30)

**Span 31 Steel Rail 3**  
**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	95	95	0	0	0 Feet
515	Steel Protective Coating	95	85	10	0	0 Square Feet

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

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

**Span 31 Rocker Bearing 1**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Fixed Bearing 1**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Prestressed Concrete Girder 2

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	95	67	0	28	0 Feet

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

1 Feet of Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (8" X 5" FAILED EPOXY REPAIR WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 30' FROM BENT 30)

25 Feet of Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (UP TO 20" X 5" AREAS OF FAILED EPOXY REPAIRS WITH EXPOSED REBAR IN BOTTOM OF GIRDER AT MIDSPAN, SEE PHOTO)

2 Feet of Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (TWO (2) AREAS OF FAILED EPOXY REPAIRS WITH EXPOSED REBAR UP TO 10" X 4" IN BOTTOM OF GIRDER, APPROXIMATELY 14' AND 21' FROM BENT 31)

## Span 31 Rocker Bearing 2

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Fixed Bearing 2

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Prestressed Concrete Girder 3

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	95	94	0	1	0 Feet

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

1 Feet of Patched Area: Patched area that is unsound or showing distress. Does not warrant structural review. (6" X 3" FAILED EPOXY REPAIR WITH EXPOSED REBAR IN BOTTOM OF GIRDER NEAR MIDSPAN)

**Span 31** **Rocker Bearing 3**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31** **Fixed Bearing 3**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31** **Prestressed Concrete Girder 4**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	95	94	1	0	0	Feet

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

- 1 Feet of Exposed Rebar: Present without measurable section loss. (6" X 1" AREA OF EXPOSED REBAR IN BOTTOM OF GIRDER NEAR MIDSPAN)

**Span 31** **Rocker Bearing 4**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Fixed Bearing 4**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Prestressed Concrete Girder 5**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	95	94	1	0	0	Feet

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

- 1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 4" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 16' FROM FACE OF BENT 30 CAP)

**Span 31 Rocker Bearing 5**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Fixed Bearing 5**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Rocker Bearing 6

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Fixed Bearing 6

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Prestressed Concrete Girder 7

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestressed Concrete Open Girder/Beam	95	94	1	0	0	Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (7" X 3" X 1/2" DEEP SPALL IN RIGHT FACE OF WEB AROUND LIFT HOLE, APPROXIMATELY 12" FROM END OF GIRDER AT BENT 30)

## Span 31 Rocker Bearing 7

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	4	3	1	0	0	Square Feet

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

1 Each of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. (MISSING NUTS ON ANCHOR BOLTS ON BOTH SIDES OF BEARING, SEE PHOTO)

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Fixed Bearing 7****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Prestressed Concrete Girder 8****Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	95	93	0	2	0 Feet

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

2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (14" X 8" X 1" DEEP SPALL WITH EXPOSED REBAR IN LEFT FACE OF BOTTOM CHAMFER, APPROXIMATELY 5" FROM END OF GIRDER AT BENT 30, SEE PHOTO)

**Span 31 Rocker Bearing 8****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 31 Fixed Bearing 8****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.



## Span 31 Prestressed Concrete Girder 9

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	95	91	4	0	0 Feet

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

4 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (FOUR (4) SPALLS WITH EXPOSED REBAR UP TO 7" X 4" X 1/2" DEEP IN BOTTOM OF GIRDER NEAR MIDSPAN)

## Span 31 Rocker Bearing 9

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Fixed Bearing 9

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Rocker Bearing 10

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Fixed Bearing 10

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Prestressed Concrete Girder 11

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	95	94	1	0	0 Feet

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

1 Feet of Delamination: Delaminated. (4" DIAMETER AREA OF DELAMINATION IN BOTTOM OF GIRDER, APPROXIMATELY 4' FROM FACE OF BENT 30 CAP)

## Span 31 Rocker Bearing 11

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Fixed Bearing 11

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Prestressed Concrete Girder 12

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	95	94	0	1	0 Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (15" X 6" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 6' FROM FACE OF BENT 30 CAP)

## Span 31 Rocker Bearing 12

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Fixed Bearing 12

## Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 31 Standard Joint 1

## Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	76	0	0	0	76 Feet

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

15 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 30 JOINT)

61 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 30 JOINT)

76 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 32 Near Bearing**  
**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Far Bearing**  
**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	0	1	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Near Bearing**  
**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Feet of Delamination: Delaminated. (6" X 3 1/2" AREA OF DELAMINATION IN BOTTOM FLANGE ON RIGHT SIDE AT END OF GIRDER AT END BENT 2)

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (4" X 1 1/2" X 1/8" DEEP SPALL WITH EXPOSED REBAR IN TOP CHAMFER ON RIGHT SIDE, APPROXIMATELY 3' FROM END OF GIRDER AT BENT 31)

## Span 32 Near Bearing

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 32 Prestressed Concrete Girder 11

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	41	40	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (5" X 2 1/2" X 1/2" DEEP SPALL IN BOTTOM FLANGE ON RIGHT SIDE AT END OF GIRDER AT END BENT 2)

## Span 32 Near Bearing

## Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	1	0	1	0	0 Square Feet

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

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

## Span 32 Near Bearing

## Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	4	3	1	0	0 Square Feet

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

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
- 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

**Span 32 Expansion Joint**  
**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	76	0	0	0	76 Feet

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

- 7 Feet of Seal Damage: Punctured completely through, pulled out, or missing. (MISSING JOINT MATERIAL ALONG BENT 31 JOINT IN WESTBOUND LANES)
- 69 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 31 JOINT)
- 76 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 33 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	1,770	861	9	900	0 Square Feet

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

- 900 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANE)
- 360 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANE)
- 9 Square Feet of Patched Area: Patched area that is sound. (41" X 29" REPAIR IN TOP OF DECK ALONG BENT 28 JOINT IN LEFT SHOULDER OF EASTBOUND RAMP)
- 5 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (52" X 0.06" TRANSVERSE CRACK IN TOP OF DECK IN TRAVEL LANE, APPROXIMATELY 3" FROM BENT 28 JOINT)

**Span 33 Prestressed Concrete Girder 1**  
**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	55	5	0	0 Feet

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

- 4 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (UP TO 5" X 5" X 1/2" DEEP SPALLS WITH EXPOSED REBAR IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF GIRDER)
- 1 Feet of Delamination: Delaminated. (8" X 5" AREA OF DELAMINATION IN BOTTOM OF GIRDER NEAR MIDSPAN)

## Span 34

## 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	1,770	870	0	900	0 Square Feet

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

900 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANE)

360 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANE)

## Span 34

## Prestressed Concrete Girder 1

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	45	0	15	0 Feet

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

PRIORITY MAINTENANCE: 4 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (45" X 7" X 2" DEEP SPALL WITH EXPOSED STRAND AND REBAR IN BOTTOM OF GIRDER, APPROXIMATELY 16' FROM BENT 32 CAP, SEE PHOTO)

9 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (NINE (9) SPALLS WITH EXPOSED REBAR UP TO 16" X 6" X 1/2" DEEP IN BOTTOM GIRDER NEAR MIDSPAN)

2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (TWO (2) SPALLS WITH EXPOSED REBAR UP TO 6" X 6" X 1/2" DEEP IN BOTTOM OF GIRDER, APPROXIMATELY 14' AND 18' FROM BENT 32 CAP)

## Span 34

## Prestressed Concrete Girder 2

## Prestressed Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	59	0	1	0 Feet

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

1 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (6" X 5" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER AT EMBEDDED PLATE AT BENT 32)

## Span 34

## Standard Joint 1

## Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	24	0	0	0	24 Feet

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

12 Feet of Debris Impaction: Completely filled and impacts joint movement. (DIRT AND DEBRIS ACCUMULATION ALONG BENT 32 JOINT IN BOTH SHOULDERS)

24 Feet of Seal Adhesion: Complete loss of adhesion. (UP TO 100% SEPARATION OF JOINT MATERIAL ALONG LENGTH OF BENT 32 JOINT)

24 Feet of Leakage: Moderate. More than a drip and less than free flow of water.

**Span 35 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	1,828	922	0	906	0 Square Feet

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

900 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING IN TOP OF DECK THROUGHOUT TRAVEL LANE)

360 Square Feet of Abrasion/Wear: Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. (WORN CONCRETE IN TOP OF DECK THROUGHOUT TRAVEL LANE)

1 Square Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (26" X 19 1/2" X 6" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF DECK AT RAMP END BENT 2, SEE PHOTO)

5 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (30" X 26" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF LEFT OVERHANG ALONG EDGE OF DECK AT RAMP END BENT 2)

**Span 35 Prestressed Concrete Girder 1**

**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	59	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (6" X 1 1/2" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN LEFT FACE OF TOP FLANGE, APPROXIMATELY 9" FROM END OF GIRDER AT RAMP END BENT 2)

**Span 35 Prestressed Concrete Girder 2**

**Prestressed Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
109	Prestressed Concrete Open Girder/Beam	60	59	1	0	0 Feet

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

1 Feet of Spall: Spall 1 in. or less deep or 6 in. or less in diameter. (7" X 1 1/2" X 1/4" DEEP SPALL WITH EXPOSED REBAR IN LEFT FACE OF TOP FLANGE, APPROXIMATELY 19" FROM END OF GIRDER AT RAMP END BENT 2)



## Element Condition and Maintenance Data

Structure Number: 640013

Inspection Date: 06/01/2017

**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	61	0	0	61	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments 61 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT SPAN 1 FACE OF CAP, CRACKS BENEATH GIRDER 2 SHOWN IN PHOTO)  1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (6" X 4" AREA OF HAIRLINE MAP CRACKING AND AREA OF DELAMINATION IN SPAN 1 FACE BENEATH BAY 2)  STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS					

**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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments 1 Each of Patched Area: Patched area that is sound. (40" X 8" PRIORITY MAINTENANCE REPAIR WITH UP TO 0.009" HORIZONTAL CRACKS IN SOUTHWEST FACE OF COLUMN AT BOTTOM OF CAP, SEE PHOTO)					

**End 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	70	70	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments ABUTMENT LENGTH INCLUDES WINGWALLS					

**End 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	63	47	0	16	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments 3 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (33" X 29" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN FACE OF CAP BENEATH GIRDER 1)  13 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 156" X 34" AREAS OF MAP CRACKING IN FACE AND RIGHT END OF CAP, CRACKS IN FACE OF CAP BENEATH GIRDER 9 SHOWN IN PHOTO)					

**End Bent 1 Steel Pile 1**  
**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB AND FLANGES WITH UP TO 9" X 6" AREA OF SECTION LOSS IN FLANGES, CONDITION IN FAR FLANGE SHOWN IN PHOTO)

**End Bent 1 Steel Pile 2**  
**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB AND FLANGES WITH 2 1/2" X 1/4" RESIDUAL FLANGES, CONDITION ON LEFT SIDE SHOWN IN PHOTO)

**End Bent 1 Steel Pile 3**  
**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB AND FLANGES WITH 6" X 7/8" RESIDUAL FLANGES, CONDITION IN FAR FLANGE ON LEFT SIDE SHOWN IN PHOTO)

**End Bent 1 Steel Pile 4**  
**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB AND FLANGES WITH UP TO 2" X 2" AREA OF LOSS OF SECTION IN FLANGES, CONDITION IN FAR FLANGE ON RIGHT SIDE SHOWN IN PHOTO)

## End Bent 1

## Steel Pile 5

## Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB AND FLANGES WITH 2" X KNIFE'S EDGE RESIDUAL FLANGES, CONDITION IN FAR FLANGE ON RIGHT SIDE SHOWN IN PHOTO)

## End Bent 1

## Steel Pile 6

## Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN FLANGES WITH UP TO 3" X 2" AREA OF LOSS OF SECTION IN FLANGES, CONDITION IN FAR FLANGE ON LEFT SIDE SHOWN IN PHOTO)

## End Bent 1

## Steel Pile 7

## Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN FLANGES WITH UP TO 3" X 3" AREA OF LOSS OF SECTION IN FLANGES, CONDITION IN FAR FLANGE ON LEFT SIDE SHOWN IN PHOTO)

## End Bent 1

## Steel Pile 8

## Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each

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

PRIORITY MAINTENANCE: 1 Feet of Corrosion: Section Loss is evident or pack rust is present but does not warrant structural review. (SCALING AND PACK RUST IN WEB AND FLANGES WITH UP TO 2" X 1" AREA OF LOSS OF SECTION IN FLANGES, CONDITION IN FAR FLANGE ON RIGHT SIDE SHOWN IN PHOTO)







**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	61	32	29	0	0 Feet

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

28 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE SPACED 12" TO 16" APART IN BOTTOM OF CAP BETWEEN COLUMNS)

1 Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (9" VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE IN SPAN 3 FACE OF CAP AT LEFT END)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**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	61	48	12	1	0 Feet

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

12 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE SPACED 12" TO 16" APART IN BOTTOM OF CAP BETWEEN COLUMNS)

1 Feet of Spall: Spall greater than 1 inch deep or greater than 6 inches in diameter. Condition does not warrant structural review. (16" X 6" X 1" DEEP SPALL WITH EXPOSED REBAR IN SPAN 5 FACE OF CAP ABOVE COLUMN 1, SEE PHOTO)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**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	1	0	0	0 Each

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

VEGETATION GROWTH ALONG HEIGHT OF COLUMN EXTENDING TO BOTTOM OF DECK IN BAY 2 OF SPANS 4 AND 5

**Bent 5 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	61	41	0	20	0 Feet

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

6 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 48" X 24" AREAS OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTH FACES OF CAP BENEATH GIRDERS 5 THRU 8)

14 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE SPACED 8" TO 16" APART IN BOTTOM OF CAP BETWEEN COLUMNS)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

36" X 42" X UP TO 3" DEEP DIRT AND DEBRIS ACCUMULATION ON TOP OF CAP BENEATH BAY 2

**Bent 5 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	1	0	0	0 Each

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

VEGETATION GROWTH ALONG HEIGHT OF COLUMN EXTENDING TO BOTTOM OF DECK IN BAYS 2 AND 3 OF SPAN 6

**Bent 6 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	61	0	0	61	0 Feet

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

52 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.016" MAP CRACKING WITH AND WITHOUT EFFLORESCENCE THROUGHOUT BOTH FACES AND RIGHT END OF CAP)

1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/16" TRANSVERSE, DIAGONAL AND MAP CRACKS WITH EFFLORESCENCE IN TOP AND LEFT END OF CAP, EXTENDING FROM LEFT SIDE OF GIRDER 1 BEARING IN SPAN 6, SEE PHOTO)

9 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (108" X 36" AREA OF UP TO 1/16" MAP CRACKING WITH AND WITHOUT EFFLORESCENCE WITH 21" X 15" AREA OF DELAMINATION IN SPAN 6 FACE OF CAP BENEATH GIRDER 5, SEE PHOTO)

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF CAP BETWEEN COLUMNS)

VEGETATION GROWTH ON SPAN 6 FACE OF CAP BENEATH GIRDER 2 EXTENDING TO BOTTOM OF DECK IN BAY 2 OF SPAN 6

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 6 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	1	0	0	0 Each

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

VEGETATION GROWTH ALONG HEIGHT OF COLUMN EXTENDING TO BOTTOM OF DECK IN BAYS 6 AND 7 OF SPANS 6 AND 7, CONDITION IN SPAN 6 SHOWN IN PHOTO

**Bent 7 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	63	22	21	20	0 Feet

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

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES AND ENDS OF CAP)

20 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE SPACED 12" TO 20" APART IN BOTTOM OF CAP BETWEEN COLUMNS)

1 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (17" X 0.016" VERTICAL CRACK IN SPAN 8 FACE OF CAP TO RIGHT OF GIRDER 7)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 7 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
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**General Comments**

1 Each of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (11" HORIZONTAL HAIRLINE CRACK AND 53" VERTICAL HAIRLINE CRACK IN SOUTHWEST FACE OF COLUMN, APPROXIMATELY 9" FROM BOTTOM OF CAP)

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 10' X FULL CIRCUMFERENCE AREA OF UP TO 0.04" MAP CRACKING THROUGHOUT COLUMN NEAR GROUND LINE, CRACKS IN SOUTHWEST FACE SHOWN IN PHOTO)

**Bent 8 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	63	0	0	63	0 Feet

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

63 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE THROUGHOUT BOTH FACES AND ENDS OF CAP)

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF CAP BETWEEN COLUMNS)

2 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 3/16" TRANSVERSE AND VERTICAL CRACK AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN TOP AND SPAN 9 FACE OF CAP, EXTENDING FROM LEFT SIDE OF GIRDER 1 BEARING IN SPAN 9, SEE PHOTO)

1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/8" TRANSVERSE AND VERTICAL CRACK WITH EFFLORESCENCE IN LEFT END OF CAP, EXTENDING FROM LEFT SIDE OF GIRDER 1 BEARING IN SPAN 9, SEE PHOTO)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 8 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
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**General Comments**

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 30' X 0.016" VERTICAL CRACKS SPACED 6" TO 24" APART IN EAST FACE OF COLUMN)

**Bent 9 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	61	21	0	40	0 Feet

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

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES AND ENDS OF CAP)

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF CAP BETWEEN COLUMNS)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 9 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
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**General Comments**

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (18" DIAMETER AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN SOUTHEAST FACE OF COLUMN, APPROXIMATELY 1' FROM BOTTOM OF CAP)

**Bent 10 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	61	10	0	51	0 Feet

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

30 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES AND ENDS OF CAP)

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND MAP CRACKS WITH EFFLORESCENCE IN BOTTOM OF CAP BETWEEN COLUMNS)

1 Feet of Efflorescence/Rust Staining: Heavy build-up with rust staining. (21" X UP TO 0.025" VERTICAL CRACK WITH EFFLORESCENCE IN SPAN 11 FACE OF CAP TO LEFT OF GIRDER 1, SEE PHOTO)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 10 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT COLUMN)

**Bent 10 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.016" VERTICAL CRACKS AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN RIGHT FACE OF COLUMN, BEGINNING APPROXIMATELY 10' FROM BOTTOM OF CAP)

**Bent 11 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	61	0	0	61	0 Feet

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

61 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.013" VERTICAL CRACKS AND HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE THROUGHOUT BOTH FACES AND RIGHT END OF CAP)

25 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKS WITH EFFLORESCENCE IN BOTTOM OF CAP BETWEEN COLUMNS)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

80" X 25" X UP TO 14" DEEP AREA OF DIRT ACCUMULATION AND VEGETATION GROWTH ON TOP OF CAP BENEATH BAY 4 (SEE PHOTO)

**Bent 11 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.03" MAP CRACKING WITH AND WITHOUT EFFLORESCENCE THROUGHOUT COLUMN, CRACKS IN SOUTHWEST FACE APPROXIMATELY 20' FROM GROUND LINE SHOWN IN PHOTO)

**Bent 12 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	62	1	0	61	0 Feet

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

61 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 84" X 0.02" HORIZONTAL, VERTICAL AND MAP CRACKS THROUGHOUT BOTH FACES AND RIGHT END OF CAP)

25 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF CAP BETWEEN COLUMNS)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

80" X 60" X UP TO 3" DEEP AREA OF DIRT ACCUMULATION ON TOP OF CAP BENEATH BAY 4

**Bent 12 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.02" VERTICAL AND MAP CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT COLUMN)

1 Each of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (18" X 9" X 1/2" DEEP SPALL WITH EXPOSED REBAR IN SPAN 13 FACE AT BOTTOM OF COLUMN, SEE PHOTO)

**Bent 12 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.02" VERTICAL AND MAP CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT COLUMN)

**Bent 13 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	62	62	0	0	0 Feet

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

11 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (UP TO 13" VERTICAL HAIRLINE CRACKS SPACED 24" TO 36" APART IN SPAN 14 FACE OF CAP BENEATH BAYS 1 AND 2, GIRDERS 6 AND 7, AND IN LEFT END)

10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF CAP AT MIDLENGTH)

**Bent 13 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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	SURFACE ABRASION WITH COARSE AGGREGATE EXPOSED	2	1	6 Each

**General Comments****Bent 13 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
205	Abrasion/Wear (PSC/RC)	SURFACE ABRASION WITH COARSE AGGREGATE EXPOSED.	2		Each
205	Cracking (RC and Other)	(3) H/L TO 1/16" CRACKS, SPALLED OUT TO 1/8" WIDE. LOCATED ON THE EAST, SOUTH AND NORTH QUADRANTS.	2	1	6 Each

**General Comments****Bent 14 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	62	45	15	2	0 Feet

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

16 Feet of Cracking (RC and Other): Width less than 0.012 in. or spacing greater than 3.0 ft. (HORIZONTAL HAIRLINE CRACK IN SPAN 14 FACE OF CAP BENEATH BAYS 3 AND 4)

15 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (UP TO 26" X 0.013" VERTICAL CRACKS IN BOTH FACES OF CAP BENEATH BAYS 1, 2 AND 6 THRU 8)



2 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.016" MAP  
CRACKING WITH EFFLORESCENCE IN BOTH ENDS OF CAP)

### Bent 14 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	44	0	44	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
220	Abrasion/Wear (PSC/RC)	FOOTING HAS COARSE AGG EXPOSED WITH RANDOM SPALLS AND HONEYCOMBED AREAS THROUGHOUT.	2	35	35 Feet
220	Cracking (RC and Other)	H/L CRACKS IN TIDAL ZONE.	2	9	9 Feet

#### General Comments

44 Feet of Cracking (RC and Other): Width less than 0.012 in. or spacing greater than 3.0 ft. (UP TO 0.05" MAP  
CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT)

### Bent 15 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	62	62	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

#### General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

### Bent 15 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	44	0	44	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
220	Abrasion/Wear (PSC/RC)	COARSE AGG EXPOSED AND MINOR SPALLS THROUGHOUT TIDAL ZONE	2	24	24 Feet
220	Cracking (RC and Other)	H/L CRACKS UP TO 3/8" CRACKS THROUGHOUT FOOTING	2	20	20 Feet

#### General Comments

44 Feet of Cracking (RC and Other): Width less than 0.012 in. or spacing greater than 3.0 ft. (UP TO 0.05" MAP  
CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT, CONDITION IN SPAN 15 FACE AT COLUMN 2  
SHOWN IN PHOTO)

2 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (56" X 17"  
X 1 1/2" DEEP SPALL WITH EXPOSED REBAR ALONG TOP EDGE OF FOOTING AT LEFT END, SEE PHOTO)

### Bent 17 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	90	0	90	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
220	Damage	SEE ADDITIONAL NOTES	2	90	90 Feet

#### General Comments

STEEL SHEETING IS HEAVILY RUSTED FROM THE M/L TO THE TIDAL ZONE.

SOME DECAYED TIMBER WALERS.  
 RUST BLOOMS TO 4" DIAMETER. MINOR TO MODERATE SURFACE LOSS WITH RANDOM HOLES.  
 HOLE 3" DIAMETER 20' BELOW HTM NEAR S.W. CORNER.  
 HOLE 6" DIAMETER 20' BELOW HTM ON #7 CORRUGATION AT THE SOUTH SIDE.  
 3" DIAMETER HOLE IN CORRUGATIONS 24 AND 25, SOUTH SIDE, PROBES THROUGH THESE HOLES INDICATE SMALL POCKET VOIDS AND LATENT CONCRETE.

**Bent 17 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	77	77	0	0	0 Feet

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

WEST TOWER PIER

77 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/16" VERTICAL, DIAGONAL AND MAP CRACKS WITH EFFLORESCENCE THROUGHOUT SPAN 16 FACE OF CAP, CRACKS ON RIGHT END SHOWN IN PHOTO)

**Bent 18 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	77	76	0	1	0 Feet

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

EAST TOWER PIER

77 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/16" VERTICAL, DIAGONAL AND MAP CRACKS WITH EFFLORESCENCE THROUGHOUT SPAN 20 FACE OF CAP, CRACKS APPROXIMATELY 10' FROM RIGHT END SHOWN IN PHOTO)

4 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (48" X 1/4" HORIZONTAL CRACK IN SPAN 20 FACE OF CAP, APPROXIMATELY 6' FROM RIGHT END, SEE PHOTO)

**Bent 18 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	1	0	0 Each

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

**Bent 18 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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General Comments

**Bent 20 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	61	61	0	0	0 Feet

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

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 21 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	61	45	0	16	0 Feet

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

10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF CAP BETWEEN COLUMNS, SEE PHOTO)

2 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (36" X 24" AREA OF HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN SPAN 21 FACE OF CAP TO LEFT OF GIRDER 4)

1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (12" X 12" AREA OF HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN SPAN 21 FACE OF CAP TO LEFT OF GIRDER 6)

1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN RIGHT END OF CAP)

2 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TWO (2) 12" X 12" AREAS OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN SPAN 22 FACE OF CAP BENEATH BAY 5)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 21 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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General Comments

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 0.02" VERTICAL CRACKS IN RIGHT FACE OF COLUMN)

**Bent 22 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	67	44	2	21	0 Feet

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

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT BOTTOM OF CAP BETWEEN COLUMNS)

1 Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (68" VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE IN SPAN 22 FACE OF CAP BENEATH BAY 3)

1 Feet of Efflorescence/Rust Staining: Surface white without build-up or leaching without rust staining. (12" VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE IN SPAN 22 FACE OF CAP BENEATH GIRDER 4)

1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN RIGHT END OF CAP)

UP TO 4" DEEP DEBRIS AND DIRT ACCUMULATION ON TOP OF CAP

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 23 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	43	40	0	3	0 Feet

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

3 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN SPAN 24 FACE OF CAP BENEATH GIRDER 2 AND BAY 5)

UP TO 3" DEEP DEBRIS AND DIRT ACCUMULATION ON TOP OF CAP IN SPAN 23

**Bent 23 Reinforced Concrete Column 4****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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**General Comments**

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 0.04" VERTICAL CRACKS IN LEFT AND RIGHT FACES OF COLUMN)

**Bent 23 Reinforced Concrete Pier Cap 2****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	37	34	0	3	0 Feet

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

3 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (32" X 28" AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN SPAN 24 FACE OF CAP BENEATH GIRDER 8)

UP TO 3" DEEP DEBRIS AND DIRT ACCUMULATION ON TOP OF CAP IN SPAN 23

**Bent 24 Steel Pier Cap 1**

**Steel Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	105	105	0	0	0	Feet
515	Steel Protective Coating	2,366	2,366	0	0	0	Square Feet

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

BEARING 1: SCALING AND PACK RUST THROUGHOUT BOTTOM OF ROCKER BEARING

**Bent 24 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE AT TOP OF COLUMN)

**Bent 24 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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General Comments

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 18" X 0.03" VERTICAL CRACKS WITH EFFLORESCENCE EXTENDING FROM TOP OF COLUMN)

**Bent 25 Steel Pier Cap 1**

**Steel Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	105	105	0	0	0	Feet
515	Steel Protective Coating	2,366	2,366	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BEARING 2: 24" X 3" AREA OF SCALING AND PACK RUST ALONG LEFT FACE OF ROCKER (SEE PHOTO)

**Bent 25 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/8" VERTICAL AND MAP CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT COLUMN, CRACKS IN RIGHT FACE SHOWN IN PHOTOS)

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/4" MAP CRACKING THROUGHOUT TOP OF COLUMN, SEE PHOTO)

**Bent 25 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
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General Comments

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/16" VERTICAL AND MAP CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT COLUMN)

**Bent 26 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	43	28	0	15	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

15 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 26 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
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General Comments

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 45" X 0.02" VERTICAL CRACK IN SOUTHWEST FACE OF COLUMN EXTENDING FROM GROUND LINE)

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 12" X FULL CIRCUMFERENCE AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT BOTTOM OF COLUMN)

**Bent 26 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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General Comments

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 93" X 0.02" VERTICAL CRACK IN NORTH FACE OF COLUMN EXTENDING FROM GROUND LINE)

**Bent 26 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	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 15' X 0.03" VERTICAL CRACK IN SOUTHWEST FACE OF COLUMN EXTENDING FROM GROUND LINE)

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 24" X FULL CIRCUMFERENCE AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT BOTTOM OF COLUMN)

**Bent 26 Reinforced Concrete Column 4**  
**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
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General Comments

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. (UP TO 10' X 0.05" VERTICAL CRACKS THROUGHOUT COLUMN EXTENDING FROM GROUND LINE)

1 Each of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 18" X FULL CIRCUMFERENCE AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT BOTTOM OF COLUMN)

**Bent 26 Reinforced Concrete Pier Cap 2**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	44	26	0	18	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

18 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 27** **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	43	23	0	20	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 27** **Reinforced Concrete Pier Cap 2**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	54	21	0	33	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

30 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES AND BOTTOM OF CAP)

1 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 0.035" MAP CRACKS AND TRANSVERSE CRACK WITH AND WITHOUT EFFLORESCENCE IN BOTH FACES AND BOTTOM OF CAP, APPROXIMATELY 10' TO LEFT OF COLUMN 3, CRACKS IN SPAN 28 FACE SHOWN IN PHOTO)

3 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (30" X 20" AREA OF DELAMINATION WITH UP TO 0.03" MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN SPAN 27 FACE OF CAP BENEATH GIRDER 8, SEE PHOTO)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 28** **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	43	42	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

1 Feet of Spall: Spall greater than 1 inch deep or greater than 6 inches in diameter. Condition does not warrant structural review. (2 1/4" DIAMETER X 1 1/4" DEEP SPALL IN SPAN 29 FACE OF CAP BENEATH GIRDER 6)

UP TO 3" DEEP DEBRIS AND DIRT ACCUMULATION ON TOP OF CAP IN SPAN 29

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS



**Bent 28 Reinforced Concrete Pier Cap 2**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	39	29	0	10	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP)

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 28 Reinforced Concrete Pier Cap 3**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	31	31	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 29 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	45	45	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 29 Reinforced Concrete Column 4**  
**Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

VEGETATION GROWTH ON SPAN 29 FACE OF COLUMN EXTENDING TO TOP OF CAP

**Bent 29 Reinforced Concrete Pier Cap 2**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	33	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 30 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	49	49	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 30 Reinforced Concrete Pier Cap 2**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	34	34	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 31 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	49	49	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 31 Reinforced Concrete Pier Cap 2**  
**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	34	34	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 32 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	29	29	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

**Bent 33 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	29	29	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OVCECF LEAKING JOINTS

**Bent 35 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	53	0	0	53	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

RAMP END BENT 2

ABUTMENT LENGTH INCLUDES WINGWALLS

29 Feet of Spall: Spall greater than 1 in. deep or greater than 6 in. diameter. Does not warrant structural review. (29' X 21" X 4" DEEP SPALL WITH EXPOSED REBAR IN FACE OF BACKWALL, CONDITION IN LEFT END SHOWN IN PHOTO)

53 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE THROUGHOUT FACE AND BOTH ENDS OF BACKWALL)

**Bent 35 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	31	0	0	31	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

RAMP END BENT 2

31 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/4" MAP CRACKS WITH AND WITHOUT EFFLORESCENCE THROUGHOUT FACE AND BOTH ENDS OF CAP, CONDITION BENEATH GIRDER 1 SHOWN IN PHOTO)

# Element Condition and Maintenance Data

Structure Number: 640013

Inspection Date: 06/01/2017



Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
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Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

## Elements Verified

Location	Name	Component	Element Name	Amount
Bent 13		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 13		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 14		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	44
Bent 15		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	44
Bent 17		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	90

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# General Inspection Notes

## Bent 1

ABUTMENT LENGTH INCLUDES WINGWALLS

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## Bent 13

11 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. (UP TO 13" VERTICAL HAIRLINE CRACKS SPACED 24" TO 36" APART IN SPAN 14 FACE OF CAP BENEATH BAYS 1 AND 2, GIRDERS 6 AND 7, AND IN LEFT END)

10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (TRANSVERSE HAIRLINE AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF CAP AT MIDLENGTH)

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## Bent 15

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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## Bent 17

WEST TOWER PIER

77 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. (UP TO 1/16" VERTICAL, DIAGONAL AND MAP CRACKS WITH EFFLORESCENCE THROUGHOUT SPAN 16 FACE OF CAP, CRACKS ON RIGHT END SHOWN IN PHOTO)

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## Bent 2

ABUTMENT LENGTH INCLUDES WINGWALLS

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## Bent 20

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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## Bent 24

BEARING 1: SCALING AND PACK RUST THROUGHOUT BOTTOM OF ROCKER BEARING

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## Bent 25

BEARING 2: 24" X 3" AREA OF SCALING AND PACK RUST ALONG LEFT FACE OF ROCKER (SEE PHOTO)

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## Bent 28

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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## Bent 29

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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## Bent 29

VEGETATION GROWTH ON SPAN 29 FACE OF COLUMN EXTENDING TO TOP OF CAP

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## Bent 30

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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## Bent 31

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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## Bent 32

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OF LEAKING JOINTS

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# General Inspection Notes

Bent 33

STAINS IN VARIOUS LOCATIONS THROUGHOUT BOTH FACES OF CAP INDICATIVE OVCECF LEAKING JOINTS

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Bent 4

VEGETATION GROWTH ALONG HEIGHT OF COLUMN EXTENDING TO BOTTOM OF DECK IN BAY 2 OF SPANS 4 AND 5

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Bent 5

VEGETATION GROWTH ALONG HEIGHT OF COLUMN EXTENDING TO BOTTOM OF DECK IN BAYS 2 AND 3 OF SPAN 6

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Bent 6

VEGETATION GROWTH ALONG HEIGHT OF COLUMN EXTENDING TO BOTTOM OF DECK IN BAYS 6 AND 7 OF SPANS 6 AND 7, CONDITION IN SPAN 6 SHOWN IN PHOTO

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Span 21

Median Rail

55 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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Span 25

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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Span 26

Median Rail

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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Span 27

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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Span 28

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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Span 30

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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Span 31

10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only. (PAINT FLAKING AND PEELING IN VARIOUS LOCATIONS THROUGHOUT)

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# National Bridge and NC Inspection Items

Structure Number: 640013

Inspection Date: 06/01/2017

## National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	N
Item 59: Superstructure	0 - 9 , N	N
Item 60: Substructure	0 - 9 , N	5
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	N

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		0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	F		
Wingwall	G, F, P, or C			
Field Scour Evaluation		L		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C	F	100	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C			
Estimated Remaining Life	0 - 100 Years			
Superstructure Paint Code				

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	N
Inspection Time	Hours	12
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	Y
Other Equipment Used	YES/NO	Y



# National Bridge and NC SMU Inspection Item Details

Structure Number: 640013

Inspection Date: 06/01/2017

Item	Other Equipment Used	Grade	Y	Maint Code	Qty.	0
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Details WETSUIT, LIGHT, HAMMER, AMRON, COMPRESSOR, AGA  
JER, 135MIN, 42'

Item	Fender System	Grade	F	Maint Code	3364	Qty.	100
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Details SOME AREAS OF DECAY THROUGHOUT FENDER BOARDS.  
HEAVY RUST ON CORNER BRACKETS.  
END DECAY ON HORIZONTAL TIMBERS.

Item	Scour	Grade	F	Maint Code	Qty.	0
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Details SCOUR:  
EXPOSURE MEASURED FROM TOP OF FOOTING.  
TOF - TOP OF FOOTING  
COV - COVERED

BENT 13 - N.E	S.E.	N.W.	S.W.
	COV	TOF	COV
BENT 14 - 8.0'	10.0'	11.0'	10.0'
BENT 15 - 14.0'	15.0'	15.0'	15.0'

BENT 15 HAS HAD UP TO 3.0' OF SCOUR SINCE THE PREVIOUS UNDERWATER INSPECTION.



BENT 13, C-2, COARSE AGG



BENT 13, C-2, CRACK-1/16" SPALLED TO 1/8", EAST FACE. NORTH AND SOUTH SIMILAR-3 CRACKS.





BENT 14, HORZ. CRACK 1/8", WITH VERTICAL CRACK 1/16" FULL LENGTH TZ



BENT 15, HORZ. /VERTICAL CRACKING TO 1/8" FULL LENGTH TZ





BENT 15, COARSE AGG EXPOSED TO 1/2"



DECAYING TIMBERS BENT 17- VERTICALS





BENT 17 DECAY ON TIMBER- VERTICAL



BENT 17, RUST ON COVER PLATES

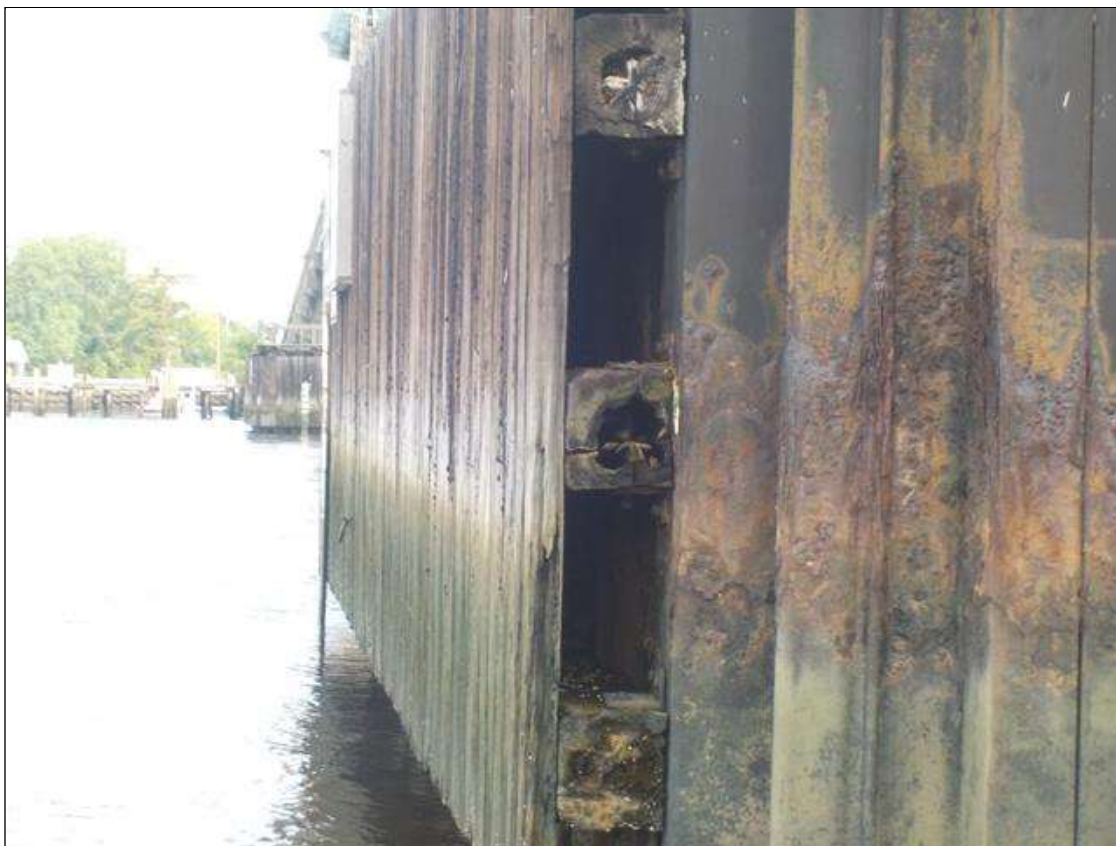


BENT 16, DECAY ON TIMBER- VERTICALS



BENT 16, RUST BLISTERS ON SHEET PILE





BENT 19, TIMBER DECAY ON WHALERS



LOOKING SOUTH



BENT 13, SPAN 14 SIDE





BENT 14, SPAN 14 SIDE



LOOKING EAST ALONG SOUTH SIDE



LOOKING NORTH



LOOKING WEST ALONG NORTH SIDE





BENT 17, SPAN 17



BENT 17, SIGNS, SOUTH SIDE