

Rhode Island Department of Transportation

Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

Name: **Washington Bridge North** Agency ID: **070001** Inspec Date: **07/28/2015**
AECOM

IDENTIFICATION

Rte.(On/Under) 5A: Route On Structure	State 1: 44 Rhode Island
Rte. Signing Prefix 5B: 1 Interstate Hwy	Facility Carried 7: I-195 WB
Level of Service 5C: 1 Mainline	Place Code 4: East Providence
Route Number 5D: 00195	SHD District 2: District 3
Directional Suffix 5E: 4 West	Feature Intersected 6: SEEKONK RIVER
Border Bridge Code 98: Not Applicable (P)	County Code 3: Providence
Border Bridge Number 99:	Location 9: 0.2 Mi W of JCT US 6
Mile Post 11: 2.423 mi	Latitude 16: 41° 49' 09"
Struc Num 8: 000000000007000	Longitude 17: 071° 23' 12"
% Responsibility: Unknown	

INSPECTION

Inspection Date 90: 7/28/2015	Frequency 91: 24 months	Next Inspection: 7/28/2017
FC Inspection Date 93A: NA	FC Frequency 92A:	Next FC Inspection: NA
UW Inspection Date 93B: 8/7/2013	UW Frequency 92B: 60 months	Next UW Inspection: 8/7/2018
SI Date 93C: 7/28/2015	SI Frequency 92C: 12 months	Next SI: 7/28/2016
Element Insp. Date: 7/28/2015	Element Frequency: 24 months	Next Elem. Insp.: 7/28/2017

CONDITION

Deck 58: 6 Satisfactory	Super 59: 4 Poor	Sub 60: 4 Poor	SD/FO: SD
Culvert 62: N/A (NBI)	Channel/Channel Protection 61: 7 Minor Damage	SUFF RATE: 42.8	

LOAD RATING AND POSTING

Inventory Rating Method 65: 8 LRFRusing HL-93 loadin	Operating Rating Method 63: 8 LRFRusing HL-93 loadin
Inventory Rating 66: 26.4 TONS	Operating Rating 64: 34.1 TONS
Design Load 31: 6 MS18(HS20)+mod	Posting 70: 3 10.0-19.9%below
Posting Status 41: A Open, no restriction	

GEOMETRIC DATA

Length Max Span 48: 130.60 ft	Structure Length 49: 1,903.87 ft
Width Curb to Curb 51: 71.85 ft	Curb/Sdwk Width L 50A: 0.00 ft
Approach Roadway width 32: 61.00 ft (w/ shoulders)	Curb/Sidewalk Width R 50B: 0.00 ft
Deck Area: 145,531.00 sq. ft	Width Out to Out 52: 76.44 ft
Skew 34: 0.00°	Median 33: 0 No median
Vertical Clearance 10: 99.99 ft	Structure Flared 35: 1 Yes, flared
Minimum Vertical Clearance Over Bridge 53: 18.33 ft	Horizontal Clearance 47: 59.71 ft
Minimum Vertical Underclearance Reference 54A: H Hwy beneath struct	
Minimum Vertical Underclearance 54B: 14.17 ft	
Minimum Lateral Underclearance Reference R 55A: H Hwy beneath struct	
Minimum Lateral Underclearance R 55: 6.00 ft	
Minimum Lateral Underclearance L 56: 0.00 ft	

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AGE AND SERVICE

Year Built **27:** 1969

ADT **29:** 76,700

Type of Service on **42A:** 1 Highway

Year Reconstructed **106:** 1998

Type of Service under **42B:** 8 Hwy-waterway-RR

Detour Length **19:** 2.0 mi

Lanes on **28A:** 5

Truck ADT **109:** 10%

Lanes under **28B:** 8

Year of ADT **30:** 2008

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans **46:** 20

Number of Spans Main Unit **45:** 1

Wearing Surface **108A:** 6 Bituminous

Main Span Material Design **43A:** 3 Steel

Membrane **108B:** 2 Preformed Fabric

Main Span Material Design **43B:** 02 Stringer/Girder

Deck protection **108C:** 8 Unknown

Deck Type **107:** 1 Concrete-Cast-ir

APPRAISAL

Bridge Rail **36A:** 1 Meets Standards

Approach Rail **36C:** 0 Substandard

Transition **36B:** 0 Substandard

Approach Rail Ends **36D:** 0 Substandard

Str Evaluation **67:** 4 Minimum Tolerable

Deck Geometry **68:** 4 Tolerable

Waterway Adequacy **71:** 7 Above Minimum

Approach Alignment **72:** 6 Equal Min Criteria

Scour Critical **113:** 3 SC - Unstable

Underclearance, Vertical and Horizontal **69:** 4 Tolerable

CLASSIFICATION

Defense Highway **100:** 1 On Interstate STRAHNE

Parallel Structure **101:** Left of || bridge

Direction of Traffic **102:** 1 1-way traffic

Temporary Structure **103:** Not Applicable (P)

Highway System **104:** 3 On free road

NBIS Length **112:** Long Enough

Defense Hwy **110:** 1 On the NHS

Functional Class **26:** 11 Urban Interstate

Toll Facility **20:** 1 On Interstate STRAHNE

Historical Significance **37:** 4 Hist sign not determin

Owner **22:** 01 State Highway Agency

Custodian **21:** 01 State Highway Agency

PROPOSED IMPROVEMENTS

Bridge Cost **94:** \$29,571,332

Type of Work **75:** 35 Rehabilitate-gen.

Roadway Cost **95:** \$2,957,133

Length of Improvement **76:** 1,903.9 ft

Total Cost **96:** \$44,356,998

Future ADT **114:** 92,040

Year of Cost Estimate **97:** 2007

Year of Future ADT **115:** 2036

NAVIGATION DATA

Navigation Control **38:** Permit Required

Horizontal Clearance **40:** 99.7 ft

Vertical Clearance **39:** 42.0 ft

Pier Protection **111:** 2 In-Place, Functioning

Lift Bridge Vertical Clearance **116:**

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AASHTO Bridge Elements

Elm/Env	Description	Unit	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4
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12	Re Concrete Deck
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
12	Re Concrete Deck	sq.ft	142,889.00	94%	134,317.00	5%	7,144.00	1%	1,428.00	0%	0.00

See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

510	Wearing Surfaces	sq.ft	142,889.00	94%	134,317.00	5%	7,144.00	1%	1,428.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

3210	el/Spall/Patch/Pot(Wear Sur)	each	4,286.00	0%	0.00	83%	3,572.00	17%	714.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

3220	Crack (Wearing Surface)	each	4,286.00	0%	0.00	83%	3,572.00	17%	714.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

1080	lamination/Spall/Patched Ar	each	2,143.00	0%	0.00	83%	1,786.00	17%	357.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

1090	Exposed Rebar	each	2,143.00	0%	0.00	83%	1,786.00	17%	357.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

1120	Efflorescence/Rust Staining	each	2,143.00	0%	0.00	83%	1,786.00	17%	357.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

1130	Cracking (RC and Other)	each	2,143.00	0%	0.00	83%	1,786.00	17%	357.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

105	Re Clsd Box Girder
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
105	Re Clsd Box Girder	ft	922.00	0%	0.00	92%	847.00	8%	75.00	0%	0.00

See "Element #105 - Reinforced Concrete Closed Box Girder.pdf" and "Element #105 - Reinforced Concrete Closed Box Girder Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	35.00	0%	0.00	0%	0.00	100%	35.00	0%	0.00
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See "Element #105 - Reinforced Concrete Closed Box Girder.pdf" and "Element #105 - Reinforced Concrete Closed Box Girder Defects Table.pdf" for details.

1090	Exposed Rebar	each	39.00	0%	0.00	0%	0.00	100%	39.00	0%	0.00
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See "Element #105 - Reinforced Concrete Closed Box Girder.pdf" and "Element #105 - Reinforced Concrete Closed Box Girder Defects Table.pdf" for details.

1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
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See "Element #105 - Reinforced Concrete Closed Box Girder.pdf" and "Element #105 - Reinforced Concrete Closed Box Girder Defects Table.pdf" for details.

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1130	Cracking (RC and Other)	each	847.00	0%	0.00	100%	847.00	0%	0.00	0%	0.00
See "Element #105 - Reinforced Concrete Closed Box Girder.pdf" and "Element #105 - Reinforced Concrete Closed Box Girder Defects Table.pdf" for details.											

107 Steel Opn Girder/Beam

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
107	Steel Opn Girder/Beam	ft	1,430.00	40%	572.00	58%	829.00	2%	29.00	0%	0.00

See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.

515	Steel Protective Coating	sq.ft	14,300.00	0%	0.00	70%	10,011.00	25%	3,575.00	5%	714.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

3410	Chalk(Steel Protect Coatings)	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

3420	el/Bub/Crack(Stl Protect Co)	each	14,299.00	0%	0.00	70%	10,010.00	25%	3,575.00	5%	714.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

1000	Corrosion	each	856.00	0%	0.00	97%	827.00	3%	29.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

1020	Connection	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

1900	Distortion	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

109 Pre Opn Conc Girder/Beam

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
109	Pre Opn Conc Girder/Beam	ft	14,543.00	85%	12,347.00	10%	1,454.00	4%	576.00	1%	166.00

See "Element #109 - Prestressed Concrete Open Girder.pdf" and the following tables for details:

- "Element #109 - Drop-In I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf"
- "Element #109 - Drop-In Post Tensioned Concrete Corbels (Spans 1 – 6 and 8 – 14) Defects Table.pdf"
- "Element #109 - Post Tensioned Cantilever I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf"
- "Element #109 - P/S Concrete I-Girders (Spans 15 – 18) Defects Table.pdf"

1080	lamination/Spall/Patched Ar	each	1,304.00	0%	0.00	56%	727.00	32%	412.00	13%	165.00
See "Element #109 - Prestressed Concrete Open Girder.pdf" and the following tables for details: "Element #109 - Drop-In I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Drop-In Post Tensioned Concrete Corbels (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Post Tensioned Cantilever I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - P/S Concrete I-Girders (Spans 15 – 18) Defects Table.pdf"											

1090	Exposed Rebar	each	1.00	0%	0.00	0%	0.00	0%	0.00	100%	1.00
See "Element #109 - Prestressed Concrete Open Girder.pdf" and the following tables for details: "Element #109 - Drop-In I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Drop-In Post Tensioned Concrete Corbels (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Post Tensioned Cantilever I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - P/S Concrete I-Girders (Spans 15 – 18) Defects Table.pdf"											

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1100	Exposed Prestressing	each	22.00	0%	0.00	0%	0.00	100%	22.00	0%	0.00
See "Element #109 – Prestressed Concrete Open Girder.pdf" and the following tables for details: "Element #109 - Drop-In I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Drop-In Post Tensioned Concrete Corbels (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Post Tensioned Cantilever I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - P/S Concrete I-Girders (Spans 15 – 18) Defects Table.pdf"											
1110	Cracking (PSC)	each	869.00	0%	0.00	84%	727.00	16%	142.00	0%	0.00
See "Element #109 – Prestressed Concrete Open Girder.pdf" and the following tables for details: "Element #109 - Drop-In I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Drop-In Post Tensioned Concrete Corbels (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - Post Tensioned Cantilever I-Girders (Spans 1 – 6 and 8 – 14) Defects Table.pdf" "Element #109 - P/S Concrete I-Girders (Spans 15 – 18) Defects Table.pdf"											

144 Re Conc Arch

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
144	Re Conc Arch	ft	2,880.00	36%	1,040.00	40%	1,150.00	21%	600.00	3%	90.00

See "Element #144 - Reinforced Concrete Arch.pdf" and "Element #144 – Reinforced Concrete Arch - Fascia Arches (Spans 1 – 6, 8 – 13 and 1R – 3R) Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	526.50	0%	0.00	55%	287.50	28%	150.00	17%	89.00
See "Element #144 - Reinforced Concrete Arch.pdf" and "Element #144 – Reinforced Concrete Arch - Fascia Arches (Spans 1 – 6, 8 – 13 and 1R – 3R) Defects Table.pdf" for details.											
1090	Exposed Rebar	each	438.50	0%	0.00	66%	287.50	34%	150.00	0%	1.00
See "Element #144 - Reinforced Concrete Arch.pdf" and "Element #144 – Reinforced Concrete Arch - Fascia Arches (Spans 1 – 6, 8 – 13 and 1R – 3R) Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	437.50	0%	0.00	66%	287.50	34%	150.00	0%	0.00
See "Element #144 - Reinforced Concrete Arch.pdf" and "Element #144 – Reinforced Concrete Arch - Fascia Arches (Spans 1 – 6, 8 – 13 and 1R – 3R) Defects Table.pdf" for details.											
1130	Cracking (RC and Other)	each	437.50	0%	0.00	66%	287.50	34%	150.00	0%	0.00
See "Element #144 - Reinforced Concrete Arch.pdf" and "Element #144 – Reinforced Concrete Arch - Fascia Arches (Spans 1 – 6, 8 – 13 and 1R – 3R) Defects Table.pdf" for details.											

205 Re Conc Column

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
205	Re Conc Column	each	92.00	58%	53.00	29%	27.00	13%	12.00	0%	0.00

See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	36.00	0%	0.00	75%	27.00	25%	9.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1090	Exposed Rebar	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											

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1130	Cracking (RC and Other)	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											

210 Re Conc Pier Wall

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
210	Re Conc Pier Wall	ft	495.00	73%	360.00	14%	70.00	11%	56.00	2%	9.00

See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	131.00	0%	0.00	53%	69.00	41%	54.00	6%	8.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1090	Exposed Rebar	each	1.00	0%	0.00	0%	0.00	0%	0.00	100%	1.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details..											
1130	Cracking (RC and Other)	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
6000	Scour	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See 8/7/2013 Underwater Inspection Report.											

215 Re Conc Abutment

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
215	Re Conc Abutment	ft	230.00	33%	77.00	33%	77.00	33%	76.00	0%	0.00

See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	151.00	0%	0.00	51%	77.00	49%	74.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1130	Cracking (RC and Other)	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											

220 Re Conc Pile Cap/Ftg

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
220	Re Conc Pile Cap/Ftg	ft	32.81	90%	29.53	10%	3.28	0%	0.00	0%	0.00

See 8/7/2013 Underwater Inspection Report.

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234 Re Conc Pier Cap

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
234	Re Conc Pier Cap	ft	388.00	0%	0.00	48%	185.00	48%	185.00	5%	18.00

See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	385.00	0%	0.00	48%	185.00	48%	183.00	4%	17.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1090	Exposed Rebar	each	1.00	0%	0.00	0%	0.00	0%	0.00	100%	1.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											
1130	Cracking (RC and Other)	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #205,#210 & #234 - Reinforced Concrete Pier Column, Wall and Cap.pdf" and "Substructure Defects Table.pdf" for details.											

300 Strip Seal Exp Joint

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
300	Strip Seal Exp Joint	ft	93.00	0%	0.00	100%	93.00	0%	0.00	0%	0.00

See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.

2310	Leakage	each	90.00	0%	0.00	100%	90.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											
2330	Seal Damage	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											
2350	Debris Impaction	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											
2370	etal Deterioration or Damag	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											

301 Pourable Joint Seal

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
301	Pourable Joint Seal	ft	1,151.00	68%	786.00	30%	345.00	2%	20.00	0%	0.00

See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.

2310	Leakage	each	344.00	0%	0.00	100%	344.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											
2330	Seal Damage	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											

Rhode Island Department of Transportation

Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

2360	Adjacent Deck or Header	each	20.00	0%	0.00	0%	0.00	100%	20.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											

310	Elastomeric Bearing
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
310	Elastomeric Bearing	each	337.00	76%	257.00	19%	64.00	5%	16.00	0%	0.00

See "Elements #310,#311 & #313 - Bearings.pdf" for details.

2220	Alignment	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

2230	Bulging, Splitting or Tearing	each	34.00	0%	0.00	100%	34.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

2240	Loss of Bearing Area	each	45.00	0%	0.00	67%	30.00	33%	15.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

311	Moveable Bearing
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
311	Moveable Bearing	each	11.00	0%	0.00	100%	11.00	0%	0.00	0%	0.00

See "Elements #310,#311 & #313 - Bearings.pdf" for details.

515	Steel Protective Coating	sq.ft	22.00	0%	0.00	100%	22.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

3420	el/Bub/Crack(Stl Protect Co	each	22.00	0%	0.00	100%	22.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

1000	Corrosion	each	10.00	0%	0.00	100%	10.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

2240	Loss of Bearing Area	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

313	Fixed Bearing
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
313	Fixed Bearing	each	11.00	0%	0.00	100%	11.00	0%	0.00	0%	0.00

See "Elements #310,#311 & #313 - Bearings.pdf" for details.

515	Steel Protective Coating	sq.ft	22.00	0%	0.00	100%	22.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

3420	el/Bub/Crack(Stl Protect Co	each	22.00	0%	0.00	100%	22.00	0%	0.00	0%	0.00
See "Elements #310,#311 & #313 - Bearings.pdf" for details.											

Rhode Island Department of Transportation

Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

1000	Corrosion	each	10.00	0%	0.00	100%	10.00	0%	0.00	0%	0.00
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See "Elements #310,#311 & #313 - Bearings.pdf" for details.

2240	Loss of Bearing Area	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
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See "Elements #310,#311 & #313 - Bearings.pdf" for details.

321 Re Conc Approach Slab

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
321	Re Conc Approach Slab	sq.ft	2,352.00	0%	0.00	100%	2,352.00	0%	0.00	0%	0.00

See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

510	Wearing Surfaces	sq.ft	2,352.00	0%	0.00	100%	2,352.00	0%	0.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

3220	Crack (Wearing Surface)	each	2,352.00	0%	0.00	100%	2,352.00	0%	0.00	0%	0.00
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See "Element #12 & #321 - Reinforced Concrete Deck and Approach Slab.pdf" for details.

331 Re Conc Bridge Railing

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
331	Re Conc Bridge Railing	ft	3,808.00	91%	3,456.00	9%	352.00	0%	0.00	0%	0.00

See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

1130	Cracking (RC and Other)	each	351.00	0%	0.00	100%	351.00	0%	0.00	0%	0.00
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See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

2330	Seal Damage	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
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See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

8060 Scupper

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8060	Scupper	(EA)	27.00	0%	0.00	26%	7.00	74%	20.00	0%	0.00

See "Element #8060 & Additional - Scuppers, Utilities and Additional Bridge Notes.pdf" for details.

8208 R/C Spandrel Wall

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8208	R/C Spandrel Wall	ft	2,880.00	36%	1,040.00	40%	1,150.00	21%	600.00	3%	90.00

See "Element #144 - Reinforced Concrete Arch.pdf" and "Element #144 - Reinforced Concrete Arch - Fascia Arches (Spans 1 - 6, 8 - 13 and 1R - 3R) Defects Table.pdf" for details.

8213 R/C Return Wall

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8213	R/C Return Wall	(LF)	175.00	51%	90.00	49%	85.00	0%	0.00	0%	0.00

See "Element #215,#8213 & #8218 - Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.

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Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

1080	lamination/Spall/Patched Ar	each	83.00	0%	0.00	100%	83.00	0%	0.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1130	Cracking (RC and Other)	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											

	8218	Backwall, All Types
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8218	Backwall, All Types	(LF)	230.00	48%	110.00	47%	109.00	5%	11.00	0%	0.00

See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	117.00	0%	0.00	93%	109.00	7%	8.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1090	Exposed Rebar	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											
1130	Cracking (RC and Other)	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #215,#8213 & #8218 – Reinf. Concrete Abutment, Return Wall and Backwall.pdf" and "Substructure Defects Table.pdf" for details.											

	8305	Asphaltic Joint Material
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Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8305	Asphaltic Joint Material	(LF)	1,438.00	69%	987.00	30%	431.00	1%	20.00	0%	0.00

See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.

2310	Leakage	each	430.00	0%	0.00	100%	430.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											
2330	Seal Damage	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											
2360	Adjacent Deck or Header	each	20.00	0%	0.00	0%	0.00	100%	20.00	0%	0.00
See "Elements #300,#301 & #8305 - Deck Joints.pdf" for details.											

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Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

8335 Guardrail, Vehicular

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8335	Guardrail, Vehicular	(LF)	700.00	95%	668.00	5%	32.00	0%	0.00	0%	0.00

See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

7000	Damage	each	32.00	0%	0.00	100%	32.00	0%	0.00	0%	0.00
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See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

8336 Conc Bridge Parapet

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8336	Conc Bridge Parapet	(LF)	700.00	0%	0.00	99%	695.00	1%	5.00	0%	0.00

See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

1080	lamination/Spall/Patched Ar	each	175.00	0%	0.00	97%	170.00	3%	5.00	0%	0.00
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See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

1130	Cracking (RC and Other)	each	525.00	0%	0.00	100%	525.00	0%	0.00	0%	0.00
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See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

8366 Rip Rap

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8366	Rip Rap	sq.ft	1,000.00	98%	980.00	2%	20.00	0%	0.00	0%	0.00

See "Element #8366 & #8367 - Rip Rap and Slope Blocks.pdf" for details.

4000	Settlement	each	20.00	0%	0.00	100%	20.00	0%	0.00	0%	0.00
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See "Element #8366 & #8367 - Rip Rap and Slope Blocks.pdf" for details.

8367 Slope Blocks

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8367	Slope Blocks	sq.ft	700.00	90%	630.00	10%	70.00	0%	0.00	0%	0.00

See "Element #8366 & #8367 - Rip Rap and Slope Blocks.pdf" for details.

1610	mortar Breakdown (Masonry)	each	70.00	0%	0.00	100%	70.00	0%	0.00	0%	0.00
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See "Element #8366 & #8367 - Rip Rap and Slope Blocks.pdf" for details.

8370 Steel Diaphragms

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8370	Steel Diaphragms	(EA)	70.00	80%	56.00	20%	14.00	0%	0.00	0%	0.00

See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.

515	Steel Protective Coating	sq.ft	1,400.00	0%	0.00	80%	1,120.00	20%	280.00	0%	0.00
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See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.

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Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

3410	Chalk(Steel Protect Coatings	each	1,120.00	0%	0.00	100%	1,120.00	0%	0.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

3420	el/Bub/Crack(Stl Protect Co	each	280.00	0%	0.00	0%	0.00	100%	280.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

1000	Corrosion	each	13.00	0%	0.00	100%	13.00	0%	0.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

1020	Connection	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
See "Element #107 & #8370 - Steel Open Girder & Diaphragms.pdf" for details.											

8371 Conc Diaphragms

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8371	Conc Diaphragms	each	200.00	25%	50.00	25%	50.00	50%	100.00	0%	0.00

See "Element #8371 - Concrete Diaphragms.pdf" and "Element #8371 - Concrete Diaphragms Defects Table.pdf" for details.

1080	lamination/Spall/Patched Ar	each	49.00	0%	0.00	0%	0.00	100%	49.00	0%	0.00
See "Element #8371 - Concrete Diaphragms.pdf" and "Element #8371 - Concrete Diaphragms Defects Table.pdf" for details.											

1090	Exposed Rebar	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #8371 - Concrete Diaphragms.pdf" and "Element #8371 - Concrete Diaphragms Defects Table.pdf" for details.											

1120	Efflorescence/Rust Staining	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
See "Element #8371 - Concrete Diaphragms.pdf" and "Element #8371 - Concrete Diaphragms Defects Table.pdf" for details.											

1130	Cracking (RC and Other)	each	99.00	0%	0.00	51%	50.00	49%	49.00	0%	0.00
See "Element #8371 - Concrete Diaphragms.pdf" and "Element #8371 - Concrete Diaphragms Defects Table.pdf" for details.											

8398 Curb/sidewalks - Con

Elm	Description	Unit	Total Qty	% St 1	Qty. St 1	%St 2	Qty.St 2	%St 3	Qty. St 3	% St 4	Qty.St 4
8398	Curb/sidewalks - Con	ft	700.00	0%	0.00	100%	700.00	0%	0.00	0%	0.00

See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.

1120	Efflorescence/Rust Staining	each	695.00	0%	0.00	100%	695.00	0%	0.00	0%	0.00
See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.											

4000	Settlement	each	5.00	0%	0.00	100%	5.00	0%	0.00	0%	0.00
See "Element #331,#8335,#8336 & #8398 - Railings and Sidewalks.pdf" for details.											

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Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

BRIDGE NOTES

Orientation: The Mainline of the bridge (I-195 WB) is logged west to east with Girder A at the north fascia. The Gano Street Ramp portion of the bridge is logged north to south comprising of Spans 1R, 2R and 3R.

Weight Limits: The bridge is posted for "No Blanket Permit Vehicles" at the East Approaches of I-95WB and the On-Ramp per the previous inspection report.

Access:

Access water spans 4 – 10 and dock barge at East Providence Yacht club.

Access land spans 11 – 14 through CARDI construction site gate.

Access key for box girder hatches provided by RIDOT (Craig Nazareth).

Electrical room in East Abutment was not accessed per direction from RIDOT.

Rhode Island Department of Transportation

Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 07/15/2016

Type: 4 Special

Inspector: [REDACTED]

Pontis User Key: [REDACTED]

Scope:

NBI:

Other:

Element:

Underwater:

Fracture Critical:

INSPECTION NOTES

SPECIAL INSPECTION

Dates: 6/27/2016 – 7/1/2016, 7/5/2016 – 7/6/2016, 7/11/2016 – 7/15/2016

Inspected by TranSystems

Team Leader: [REDACTED]

Team Member: [REDACTED]

Weather: Varied from cloudy, isolated thunderstorms to sunny, with a temperature range of 70°F - 90°F.

This special inspection was for the superstructure and substructure only; to inspect the deteriorated condition of elements.

Equipment: 60' bucket boat, 60' manlift, 30' Lift truck and 24' ladder.

Traffic Control performed: Lane closures with local police on Valley Street, Waterfront Drive, Water Street, and Gano Street.

NBI Rating: The overall structure condition rating is 4 - Poor. The ratings for the Deck (Item 58), Superstructure (Item 59), Substructure (Item 60) and Channel (Item 61) were found to be 6 - Satisfactory, 4 - Poor, 4 - Poor and 7 - Minor Damage, respectively and have not changed.

DEFLECTION AND VIBRATION: There was no significant vibration or deflection noted.

UTILITIES: See pdf. file named "Br. 700 Element Summary Notes Combined.pdf" under "Additional Bridge Notes"

See pdf. file named "Br. 700 Defects Tables Combined.pdf" for orientation drawings and a tabulation of deficiencies. See pdf. file named "Br. 700 Element Summary Notes Combined.pdf" for a summary of deficiencies.

Note: The previously noted Critical Finding reported to RIDOT on 7/7/2015 for loose deck concrete was not considered part of this Special Inspection. However, no loose concrete was visible at the time of inspection.

Rhode Island Department of Transportation

Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 07/28/2015

Type: 1 Regular NBI

Inspector:

Pontis User Key: [REDACTED]

Scope:

NBI: Other: Element:
Underwater: Fracture Critical:

INSPECTION NOTES

Routine Inspection by: AECOM

Dates: 7/6/15 to 7/10/15; 7/13/15 to 7/20/15; 7/21/15; 7/23/15; 7/27/15 and 7/28/15

Team Leader: [REDACTED]

Team Member: [REDACTED]

Weather: Varied from cloudy to sunny and 70°F-95°F.

Equipment: Barge with 60' mounted manlift used to inspect spans over Seekonk River. 60' manlift used to inspect spans over local roads and dirt areas. A 24' ladder was used to gain access to Gano Street ramp box girder interiors (Photo 203).

Traffic Control: Lane closures with local police required on Valley Street, Waterfront Drive, Water Street, and Gano Street. Rolling right lane closure on I-195 WB with TMA and state police.

Access:

Access water spans 4 – 10 and dock barge at East Providence Yacht club.

Access land spans 11 – 14 through CARDI construction site gate.

Access key for box girder hatches provided by RIDOT (Craig Nazareth).

Electrical room in East Abutment could not be accessed.

Orientation: The Mainline of the bridge (I-195 WB) is logged west to east with Girder A at the north. The Gano Street Ramp portion of the bridge is logged north to south comprising of Spans 1R, 2R and 3R. See "Element #105 – Reinforced Concrete Closed Box Girder Defects Table.pdf" for sketch of the box girder interior orientation.

Critical Findings: RIDOT was notified on 7/7/2015 via email and telephone of loose soffit concrete in Span 18 over the Valley Street roadway.

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Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 08/07/2013 Type: D UW-Contract SCUBA
 Inspector: ██████████ Pontis User Key: Pontis Pontis User
 Scope:
 NBI: Other: Element:
 Underwater: Fracture Critical:

INSPECTION NOTES

Inspection Crew:
 Crew Chief / Dive Supervisor: ██████████
 Staff Inspectors / Divers: ██████████
 Dive Mode: Surface Supplied Air
 Boat: 24' boat

The bridge is logged from west to east which is consistent with the previous inspection report and the structure plans.

Additional Notes:

Fender System: There are timber fender system in place along the east side of Pier #6 and the west side of Pier #7. The timber dolphin piles exhibit 3' high x 1.5' wide x 2" deep bands of section loss / splintering in the tidal zone due to collision damage(See Photo Nos. 16 and 19). The fender system members exhibit minor checks and splits in the tidal zone (See Photo Nos. 15, 16, 27 and 28).

Navigational Lighting: There is a newer navigational lighting system in place that exhibits no significant deficiencies and the lights were not on at the time of the inspection (See Photo Nos. 15, 16, 27 and 28).

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Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 08/02/2013

Type: 1 Regular NBI

Inspector: [REDACTED]

Pontis User Key: [REDACTED]

Scope:

NBI:

Other:

Element:

Underwater:

Fracture Critical:

INSPECTION NOTES

Routine Inspection by AI Engineers Inc on 06/24/13 thru 08/02/13 and inspected in conjunction with Bridge # 020001

Crew Chief: [REDACTED]

Crew Members: [REDACTED]

Weather: Varied from cloudy to sunny and 70°F-95°F.

The Mainline bridge (I-195 WB) is logged west to east with Girder A at the north. The Gano Street Ramp bridge is also logged west to east with cell 1 at the north fascia consistent with the previous inspection report. The Seekonk River flow is tidal.

NBIS Rating: The overall bridge rating is in poor condition (Rated '4'). The condition ratings for the deck (Item 58, Rated '6'), the superstructure (Item 59, Rated '4') and the channel and channel protection (Item 61, Rated '7') remain unchanged. The NBIS rating for the Substructure (Item 60) changed from rated '5' to rated '4' to reflect the field conditions.

Rhode Island Department of Transportation

Bridge Inspection Report

Structure Inventory and Appraisal Sheet (English Units)

WORK CANDIDATES

Work Candidate ID	Action	Agency Status	Agency Priority	Assigned to a Project	Rec. Date	Comp. Date
0000000-ETXM-101415-753786 560B	Bridge-Rehab	Unknown	High	0	07/28/2015	

Bridge rehab project scheduled for 2016.

[TranSystems – revised per 2016 Special Inspection]

Repair quantity is based on total defect quantity for each element.

Superstructure:

- Total Reinforced Concrete Closed Box Girder (Element # 105) repair quantity (857 LF)
- Total Steel Open Girder (Element #107) repair quantity (644 LF)
- Total Prestressed Concrete Open Girder (Element #109) repair quantity (2819 LF)
- Total Reinforced Concrete Arch (Element #144) repair quantity (2266 LF)
- Total Elastomeric Bearing (Element #310) repair quantity (265 EA)
- Total Movable Bearing (Element #311) repair quantity (11 EA)
- Total Fixed Bearing (Element #313) repair quantity (11 EA)
- Total Steel Diaphragms (Element #8370) repair quantity (21 EA)
- Total Concrete Diaphragms (Element #8371) repair quantity (186 EA)

Substructure:

- Total Reinforced Concrete Column (Element #205) repair quantity (59 EA)
- Total Reinforced Concrete Pier Wall (Element #210) repair quantity (259 LF)
- Total Reinforced Concrete Abutment (Element # 215) repair quantity (152 LF)
- Total Reinforced Concrete Pier Cap (Element #234) repair quantity (388 LF)
- Total Reinforced Concrete Return Wall (Element #8213) repair quantity (88 LF)
- Total Backwall (Element # 8218) repair quantity (126 LF)
- Total Riprap (#8366) repair quantity (60 SF)
- Total Slope Blocks (#8367) repair quantity (105 SF)

See pdf. file named "Br. 700 Defects Tables Combined.pdf" for orientation drawings and a tabulation of deficiencies.

See pdf. file named "Br. 700 Element Summary Notes Combined.pdf" for a summary of deficiencies.

0000000-XLNE-070815-FA9273 3581	Chipping of loose Concrete	Completed	High	0	08/07/2013	07/13/2015
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See e-mail from AECOM dated 07/07/2015. There are three locations with delaminated/spalled concrete on the concrete deck soffit. All three locations are over roadways. Dave Fish instructed Maintenance to remove the loose concrete on 07/08/2015.