

Appendix A

Inspection Forms

Bridge Inspection Report

Portsmouth 251/108

Date of Inspection: 10/10/2009

US 1 BYPASS

Date Report Sent: 10/11/2009

Over

Picture taken during inspection

PISCATAQUA RIVER & RR

Owner: Interstate Bridge Auth.

Sarah M. Long Bridge

Bridge also in: Kittery , Maine

Recommended Postings:

Weight: 'Weight Limit 20 Tons'

Weight Sign OK

Width: Not Required

Width Sign OK

Primary Height Sign Recommendation: **14'-01"**

Clearances: Over: 16.08

Height Signs OK

Optional Centerline Height Sign Rec: *None*

(Feet) Under: 16.70

13'-11" AT N.E. - B/Y. 16'-5" AT N.W. - B/Y

Route: 16.08

Condition: State Redlist

Structure Type and Materials:

Deck: 4 Poor

Number of Spans Main Unit: 5

Superstructure: 3 Serious

Number of Approach Spans: 22

Substructure: 3 Serious

Culvert: N N/A (NBI)

Main Span Material and Design Type

Steel Movable - Lift

Sufficiency Rating: 12.8%

Approach Span Material and Design Type

NBI Status: Structurally Deficient

Steel Girder and Floorbeam

Bridge Rail: Substandard

NH Bridge Type: Vertical Lift

Rail Transition: Substandard

Deck Type: Concrete, Cast in Place

Bridge Approach Rail: Meets Standards

Wearing Surface: Monolithic Concrete

Approach Rail Ends: Substandard

Membrane: None

Deck Protection: None

Pavement thickness: Not Applicable

Curb Reveal: 8.0 in

Plan Location: 2-14-1-1

Bridge Dimensions:

Length Maximum Span: 227.0 ft

Total Bridge Length: 2,804.0 ft

Left Curb/Sidewalk Width: 2.5 ft

Right Curb/Sidewalk Width: 2.5 ft

Width Curb to Curb: 30.0 ft

Total Bridge Width: 36.0 ft

Approach Roadway Width (W/ Shoulders): 32.0 ft

Median: No median

Bridge Skew: 0.00 °

Bridge Service:

Type of Service on Bridge: Highway and Railroad

Year Built: 1940

Type of Service under: Hwy-waterway-RR

Year Rebuilt: 1991

Lanes on bridge: 2

Detour Length: 8.0 mi

Lanes Under: 4

AADT: 14000

Percent Trucks: 5%

Year of AADT: 2004

Future AADT: 20720

Year of Future AADT: 2028

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Federal or State Definition Bridge: Fed. Definition Bridge
 Roadway Functional Class: Urban Expressway
 New Hampshire Highway System and Class: Turnpike, not Primary
 Eligibility for the National Register of Historic Places: Eligible (Historic)
 Traffic Direction: Two-way traffic

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: Minimum Tolerable
 Underclearances: Above Min. Tolerable
 Approach Alignment: Equal Desirable Criteria
 Structural Evaluation: Intolerable, Correctable
 Channel/Channel Protection: Minor Damage
 Waterway Adequacy: Above Desirable Criteria
 Bridge Scour Critical Status: Stable for extreme flood
 Riprap Condition: Good Condition
 Debris Present: No Debris Present
 Date of Underwater Inspection: Sep. 2008

AASHTO CoRe Element Condition State Data:

No.	Description	Env.	Material Notes and Condition Notes
22	Concrete Deck - Protected with Rigid Overlay	Severe	TOP OF DECK - FINE CRACKS MINOR SPALLS . PATCHED AREAS. DEPRESSED AREAS.
107	Painted Steel Beam or Girder (Open Web)	Severe	HEAVILY RUSTED WITH SECTION LOSS AT JOINTS. WEST GIRDER HOLED AT PIER # 3 IN TWO AREAS.
113	Painted Steel Stringer	Severe	FEW HOLES IN EXTERIORS. OTHERS RUSTED WITH SECTION LOSS. PLATED AREAS.
121	Painted Steel Bottom Chord (Thru Truss)	Severe	RUSTED WITH SECTION LOSS. BRACING HOLED.
152	Painted Steel Floor Beam	Severe	HEAVILY RUSTED AT JOINTS WITH SECTION LOSS.
202	Painted Steel Column or Pile Extension	Severe	RUSTED WITH SECTION LOSS.
205	Reinforced Concrete Column or Pile Extension	Severe	CRACKS, SPALLS, REBAR EXPOSED.

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No.	Description	Env.	Material Notes and Condition Notes
210	Reinforced Concrete Pier Wall	Severe	CRACKS, SPALLS, REBAR EXPOSED. DELAMINATIONS.
215	Reinforced Concrete Abutment	Severe	LIGHT CRACKS AND SPALLS. MEDIUM SPALL AT SOUTH EAST.
302	Compression Joint Seal	Severe	SOME REPAIR WORK COMPLETED. DAMAGED AND LEAKING. TIGHT.
303	Modular Joint and Seal Assembly	Severe	TRANSFLEX GLANDS INSTALLED. DAMAGED AND LEAKING.
310	Elastomeric Bearing	Severe	SOME DEFORMED.
311	Moveable Bearing (roller, sliding, etc.)	Severe	RUSTED WITH SECTION LOSS.
334	Coated Metal Bridge Railing	Moderate	** Steel Pipe Rail ** SERIOUS CONDITION. HEAVILY RUSTED WITH SECTION LOSS. SEVERAL HOLED AREAS.
357	Pack Rust Condition Warning Flag	Severe	PACK RUST AT ANGLES AND PLATES.
358	Deck Cracking Condition Warning Flag	Severe	HEAVILY SPALLED.
359	Soffit of Conc Deck or Slab Condition Warning Flag	Severe	LARGE SPALLS AND REBAR EXPOSED. HEAVY LEAKING.
363	Section Loss Condition Warning Flag	Severe	HOLED AREAS.

No.	Description	Env.	Quantity	Units	State 1	State 2	State 3	State 4	State 5
22	Concrete Deck - Protected with Rigid O	Severe	100,933	(SF)	0 %	0 %	100 %	0 %	0 %
107	Painted Steel Beam or Girder (Open We	Severe	16,824	(LF)	0 %	20 %	60 %	20 %	0 %
113	Painted Steel Stringer	Severe	16,824	(LF)	0 %	70 %	15 %	5 %	10 %
121	Painted Steel Bottom Chord (Thru Truss	Severe	5,607	(LF)	0 %	80 %	5 %	15 %	0 %
152	Painted Steel Floor Beam	Severe	2,917	(LF)	0 %	85 %	10 %	5 %	0 %
202	Painted Steel Column or Pile Extension	Severe	14	(EA)	0 %	80 %	10 %	10 %	0 %
205	Reinforced Concrete Column or Pile Ext	Severe	22	(EA)	0 %	70 %	30 %	0 %	
210	Reinforced Concrete Pier Wall	Severe	361	(LF)	0 %	90 %	10 %	0 %	
215	Reinforced Concrete Abutment	Severe	230	(LF)	0 %	50 %	50 %	0 %	

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No.	Description	Env.	Quantity	Units	State 1	State 2	State 3	State 4	State 5
302	Compression Joint Seal	Severe	685	(LF)	70 %	20 %	10 %		
303	Modular Joint and Seal Assembly	Severe	289	(LF)	50 %	50 %	0 %		
310	Elastomeric Bearing	Severe	4	(EA)	90 %	10 %	0 %		
311	Moveable Bearing (roller, sliding, etc.)	Severe	56	(EA)	0 %	50 %	50 %		
334	Coated Metal Bridge Railing	Moderate	5,801	(LF)	0 %	0 %	0 %	75 %	25 %
357	Pack Rust Condition Warning Flag	Severe	1	(EA)	0 %	0 %	100 %	0 %	
358	Deck Cracking Condition Warning Flag	Severe	1	(EA)	0 %	100 %	0 %	0 %	
359	Soffit of Conc Deck or Slab Condition W	Severe	1	(EA)	0 %	0 %	0 %	100 %	0 %
363	Section Loss Condition Warning Flag	Severe	1	(EA)	0 %	100 %	0 %	0 %	

Bridge Notes:

Sarah Mildred Long Bridge (1987, Chapter 51:1)

ADDED TO STATE RED LIST 11/03.

LIFT INSPECTION 11/6/03; 7/15/05. 5/1/06 - 5/4/06 - 5/5/06, 8/7/07, 5/27-29/08

CWIP 11/3/08.

INSPECTION FOR RR SPAN AT TOWERS ONLY 7/16/09.

May and June 2009 HDR in-depth inspection for BICA contract.

Approach and Roadway Notes: *STEEL POST RAIL AND CHANNEL RUSTED AND HOLED. POOR CONDITION. MINOR DAMAGE. NEW W- BEAM TRASITION AT NORTHEAST. ASPHALT- CRACKS AND SETTLED. LARGE DEPRESSED AREA AT NORTH- REPAVED.*

Inspection History:

Inspection Date: 10/10/2009

Inspector: DEP

Deck: 4 Poor

Notes:

See HDR Report, inspection field work May and June, 2009. Inspection date set to intertwine with C-Team inspections.

Super: 3 Serious

Substr: 3 Serious

Culvert: N N/A (NBI)

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

Inspection Date: 07/16/2009

Inspector: DPC

Deck: 4 Poor

Notes:

Super: 3 Serious

DPC - inspection comments-

Substr: 3 Serious

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. DEPRESSED AREAS. MANY EXPANSION JOINTS REPAIRED.

Culvert: N N/A (NBI)

SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS. HEAVY PACK RUST.

SUBSTRUCTURE- ELEMENTS IN SERIOUS (CHANGED FROM FAIR DURING HDR JUNE INSPECTION) CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. SOME LARGE CRACKS AND SPALLS.

LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07.

BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM.

SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN. NOISE AT SOUTH EAST WHEEL FOR LIFT CABLES.

PICTURES: C392.

8: SMALL LIFT RR SPAN CWIP.

9: NEW ELECTRIC UNIT AT NORTH EAST LIFT PIER.

10:PIER 2 SPALLED AT SOUTH EAST.

PICTURES: C399

#10: SOUTH TOWER EAST GIRDER UNDER RR SPAN TOP FLANGE HOLED AT SOUTH FLOOR BEAM,HEAVY RUSTING AND SECTION LOSS.

#11: CONNECTION PLATE HOLED AT SOUTH EAST GIRDER AT RR SPAN AT TOWER.

#12: SEVERAL RIVETS HAVE 100% SECTION LOSS AT RR SPAN SOUTH TOWER.

#13: CRIBBING UNDER SOUTH TOWER GIRDER. GIRDER IS 10 FEET LONG, FLANGES ARE 10 INCH BY 3/4 INCH. WEB IS 2 FEET HIGH.

#14: NORTH TOWER RR SPAN GIRDERS HAVE NO HOLES. HEAVY RUSTING AND SECTION LOSS.

#15: CRIBBING UNDER NORTH TOWER.

Inspection Date: 07/10/2009

Inspector: NBG

Deck: 4 Poor

Notes:

Super: 3 Serious

Inspection Event to change recommended posting to 'Weight Limit 20 Tons'.

Substr: 3 Serious

Culvert: N N/A (NBI)

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

Inspection Date: 03/25/2009

Inspector: DPC

Deck: 4 Poor

Notes:

Super: 3 Serious

DPC - inspection comments-

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. DEPRESSED AREAS. MANY EXPANSION JOINTS REPAIRED.

Culvert: N N/A (NBI)

SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS. HEAVY PACK RUST.

SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. SOME LARGE CRACKS AND SPALLS.

LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07.

BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM.

SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN. NOISE AT SOUTH EAST WHEEL FOR LIFT CABLES.

PICTURES: C392.

8: SMALL LIFT RR SPAN CWIP.

9: NEW ELECTRIC UNIT AT NORTH EAST LIFT PIER.

10:PIER 2 SPALLED AT SOUTH EAST.

Inspection Date: 11/26/2008

Inspector: KJT

Deck: 4 Poor

Notes:

Super: 3 Serious

DPC - inspection comments-

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. MANY EXPANSION JOINTS REPAIRED.

Culvert: N N/A (NBI)

SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS. HEAVY PACK RUST.

SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. SOME LARGE CRACKS AND SPALLS.

LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07.

BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM.

SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN.

PICTURES: C386.

5. NEW MOTORS BOTH TOWERS.

6. NEW COUNTER INSTALLED ON CABLE WHEEL.

7. CWIP CABLE WHEELS BOTH TOWERS AT EAST.

8. NEW POWER CABLES.

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

Inspection Date: 11/03/2008

Inspector: DPC

Deck: 4 Poor

Notes:

Super: 3 Serious

DPC - inspection comments-

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. MANY EXPANSION JOINTS REPAIRED.

Culvert: N N/A (NBI)

SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS. HEAVY PACK RUST.

SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. SOME LARGE CRACKS AND SPALLS.

LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07.

BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM.

SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN.

PICTURES: C383

23: CWIP.

Inspection Date: 09/11/2008

Inspector: DMB

Deck: 4 Poor

Notes:

Super: 3 Serious

DMB inspection comments- UNDERWATER INSPECTION OF PIER ELEMENTS ONLY.

Substr: 7 Good

PIERS AND FOOTINGS IN GOOD CONDITION. ISOLATED AREAS ALONG THE TOP OF THE CONCRETE FOOTINGS EXHIBIT SOFT/BRITTLE SCALED CONCRETE. LEAD

Culvert: N N/A (NBI)

CAULKED MASONRY JOINTS IN GOOD CONDITION. OLD STEEL COFFERDAM MATERIAL HAS SEVERE CORROSION & SEVERE SECTION LOSS, BUT ARE NON-STRUCTURAL.

MINOR SCOUR AT THE NOSE OF EACH PIER. 2 PIERS IN THE BACKWATER CHANNEL

EACH HAVE HEAVY CORROSION OF THE STEEL ENCASEMENT AND ARE SPLIT AT CORNERS. LOOSE AGGREGATE APPEARS THRU SPLITS. BELOW THE STEEL THERE IS

HEAVY SCALING/SPALLING EXPOSING SOME REINFORCEMENT. AVERAGE 3" TO 4" DEEP SPALLS ON FACE; MAX 12" DEEP ON CORNERS.

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

Inspection Date: 05/27/2008

Inspector: D. Coffey

Deck: 4 Poor

Notes:

Super: 3 Serious

DPC - inspection comments-

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. MANY EXPANSION JOINTS REPAIRED.

Culvert: N N/A (NBI)

SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS. HEAVY PACK RUST.

SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. SOME LARGE CRACKS AND SPALLS.

LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07.

BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM.

SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN.

PICTURES: C371-

7. PIER #6; CWIP.

8. STEEL HOLED AT PIER #6.

9. DECK AND CURB SPALLED OVER EXTERIOR STRINGER AT WEST. TYPICAL OF SEVERAL AREAS.

10. DECK SPALLED AT LIFT SPAN. TYPICAL OF SEVERAL AREAS.

11. STEEL PLATES HOLED AND PLATED AND DEFORMED UNDER COMPRESSION SEAL JOINT AT ME. END OF RR SPAN.

12. IMPACT DAMAGE TO GIRDER AT NORTH EAST ME. END.

13. NEW ELECTRIC STATION AT ME. END UNDER BRIDGE.

Inspection Date: 04/09/2008

Inspector: DPC

Deck: 4 Poor

Notes:

Super: 3 Serious

DPC - inspection comments-

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. SEVERAL EXPANSION JOINTS DAMAGED.

Culvert: N N/A (NBI)

SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS.

SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. CRACKS AND SPALLS.

LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07.

BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM.

SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN. NOT ABLE TO MAKE LIFT 4/8/08 AT 3:AM. YATES ELECTRIC MAKING REPAIRS 4/9/08.

PICTURES: C368-

7 - JOINT DAMAGED AT SOUTH.

8 - CURB SPALLED WITH REBAR EXPOSED AT SOUTH WEST.

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Inspection History:

Inspection Date: 11/28/2007	Inspector: DPC	Deck: 4 Poor Super: 3 Serious Substr: 5 Fair Culvert: N N/A (NBI)
Notes: <i>DPC - inspection comments-</i> CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. PATCHED AREAS. MANY EXPANSION JOINTS REPAIRED. SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE HAS HEAVY SECTION LOSS AND HOLED AREAS. SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS. CRACKS AND SPALLS. LIFT MOTOR AT SOUTH VIBRATING BRIDGE AT 7' HEIGHT TO 15' HEIGHT 11/28/07. BUILDING VIBRATING. HEAVY DETERIORATION OF LIFT BUILDING AT BOTTOM. SEVERAL TIMBERS ON RR SPAN HAVE HEAVY DECAY AND ARE CRUSHING. STEEL RR TRACK LIFTING 2" AT NORTH WEST LIFT SPAN.		

PICTURES: C330-16 THRU 22.

Inspection Date: 08/07/2007	Inspector: RLM	Deck: 4 Poor Super: 3 Serious Substr: 5 Fair Culvert: N N/A (NBI)
Notes: <i>RLM inspection comments-</i> CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- LIGHT CRACKS AND SPALLS. PATCHED AREAS. SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. AREAS OF STRAPING HOLED ON LOWER CHORD, SOUTH OF LIFT SPAN. NEW LIMIT SWITCH ON RR SPAN. MOTORS REPAIRED ON RR SPAN. STRINGER SOUTH OF LIFT SPAN IS HOLED THROUGH TOP FLANGE AT NORTH END. MOTORS REBUILT AT NORTH AND SOUTH TOWERS 11/06. SOUTH APPROACH, EAST EXTERIOR CHANNEL HOLED THROUGH WEB, OVER WATERWAY CHANNEL. SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION.		

PIC(S): C354- 15- 26. PIC(S): C355- 1- 9.

Inspection Date: 11/16/2006	Inspector: RLM	Deck: 4 Poor Super: 3 Serious Substr: 5 Fair Culvert: N N/A (NBI)
Notes: <i>RLM inspection comments-</i> CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN AREAS WITH REBAR EXPOSED AND RUSTING, UNDERSIDE. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS . PATCHED AREAS. MANY EXPANSION JOINTS REPAIRED. SUPERSTRUCTURE- ELEMENTS IN SERIOUS CONDITION. BRIDGE IS IN UP POSITION DUE TOO FAILED UNDERWATER POWER CABLE. REPAIRS IN PROGRESS. SUBSTRUCTURE- ELEMENTS IN FAIR CONDITION. CONCRETE PIER CAP AND COLUMN REPAIRS IN PROGRESS.		

PIC(S): C330- 16- 22.

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

Inspection Date: 07/11/2006

Inspector: DEP

Deck: 4 Poor

Notes:

Super: 6 Satisfactory

Bogus for Pontis and Oracle review

Substr: 5 Fair

DPC inspection comments -

Culvert: N N/A (NBI)

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. DEPRESSED AREAS. CWIP. CURBS- LIGHT CRACKS AND SPALLS WITH REBAR EXPOSED. REPAIRED AREAS. 30" CONCRETE SIDEWALK- FINE CRACKS AND MINOR SPALLS. REPAIRED AREAS. DRAINS- STEEL IN POOR CONDITION. POLE LIGHTS- MOUNTS RUSTED. JOINT LEAKAGE HEAVY. EXPANSION DEVICE- FINGER JOINTS- FINGERS MISSING, BROKEN AND CRACKED WELDS. COMPRESSION SEALS DAMAGED AND LEAKING. G.T. SEALS DAMAGED, LEAKING AND HOLED. SUPERSTRUCTURE- ELEMENTS IN FAIR CONDITION. ROCKERS AND ELASTOMERIC- RUSTED WITH SECTION LOSS. STRINGERS- FEW HOLES IN EXTERIORS. OTHERS RUSTED WITH SECTION LOSS. GIRDERS- HEAVILY RUSTED WITH SECTION LOSS AT JOINTS. WEST GIRDER HOLED AT PIER #3 IN TWO AREAS. FLOOR BEAMS- HEAVILY RUSTED AT JOINTS WITH SECTION LOSS. TRUSSES- RUSTED WITH SECTION LOSS. BATTEN PLATES HOLED IN SEVERAL AREAS. SIDEWALK SUPPORT CHANNELS- HOLED IN SEVERAL AREAS. LATERAL BRACING- RUSTED. CRACKED WELDS AT RR SPAN. STEEL COLUMNS RUSTED WITH SECTION LOSS AND LARGE HOLES THROUGH WEBS. HEAVY SECTION LOSS ON BOLTS. ONE HOLED AT SOUTH WEST RR SPAN AND CRACKED WELD. CONCRETE PIERS AND CAPS HEAVILY CRACKED AND SPALLED. LIFT MACHINERY APPEARS OK. MINOR PROBLEMS. RR SHORT SPAN APPEARS OK. LIFT BUILDING IN FAIR CONDITION. WATER PROBLEM. SMALL RR SPAN OPEN THIS DATE.

PICTURE: C268-01.

Inspection Date: 05/01/2006

Inspector: DPC

Deck: 4 Poor

Notes:

Super: 3 Serious

Sufficiency Rating Calculation Accepted by DEP at 7/11/2006 08:21:46

Substr: 5 Fair

DPC inspection comments-

Culvert: N N/A (NBI)

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FIN

Inspection Date: 04/03/2006

Inspector: RLM

Deck: 4 Poor

Notes:

Super: 3 Serious

RLM inspection comments -

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. DEPRESSED AREAS. CURBS- LIGHT CRACKS AND

Culvert: N N/A (NBI)

Inspection Date: 11/29/2005

Inspector: DPC

Deck: 5 Fair

Notes:

Super: 6 Satisfactory

DPC inspection comments -

Substr: 5 Fair

CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. DEPRESSED AREAS. CWIP. CURBS- LIGHT CRACKS

Culvert: N N/A (NBI)

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

<p>Inspection Date: 07/15/2005</p> <p>Notes: Sufficiency Rating Calculation Accepted by DEP at 03/02/2006 09:35:53 DPC inspection comments - CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK-</p>	<p>Inspector: DPC</p>	<p>Deck: 4 Poor Super: 5 Fair Substr: 5 Fair Culvert: N N/A (NBI)</p>
<p>Inspection Date: 10/28/2004</p> <p>Notes: DPC inspection comments - CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. DEPRESSED AREAS. CURBS- LIGHT CRACKS AND SP</p>	<p>Inspector: DPC</p>	<p>Deck: 4 Poor Super: 5 Fair Substr: 5 Fair Culvert: N N/A (NBI)</p>
<p>Inspection Date: 11/06/2003</p> <p>Notes: Sufficiency Rating Calculation Accepted by DEP at 6/2/2004 14:03:55 DPC inspection comments - CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FI</p>	<p>Inspector: DPC</p>	<p>Deck: 4 Poor Super: 5 Fair Substr: 5 Fair Culvert: N N/A (NBI)</p>
<p>Inspection Date: 10/30/2003</p> <p>Notes: DPC inspection comments - CONCRETE DECK- ELEMENTS IN FAIR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED EXPOSED AND RUSTING. TOP OF DECK- FINE CRACKS MINOR SPALLS. CURBS- LIGHT CRACKS AND MINOR SPALLS. REPAIRED ARE</p>	<p>Inspector: DPC</p>	<p>Deck: 4 Poor Super: 3 Serious Substr: 5 Fair Culvert: N N/A (NBI)</p>
<p>Inspection Date: 05/10/2001</p> <p>Notes: DPC inspection comments - CONCRETE DECK- ELEMENTS IN POOR CONDITION. LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED AND RUSTING. HEAVY LEAKING. TOP OF DECK- FINE CRACKS MINOR SPALLS. DEPRESSED AREAS. CWIP. CURBS- LIGHT CRACK</p>	<p>Inspector: D. Coffey</p>	<p>Deck: 4 Poor Super: 5 Fair Substr: 5 Fair Culvert: N N/A (NBI)</p>
<p>Inspection Date: 09/29/1999</p> <p>Notes: Sufficiency Rating Calculation Accepted by DEP at 07-06-2000 15:21:33 DPC inspection comments - LIFT INSPECTION START 9/29/99 END 10/6/99. CONCRETE DECK - LIGHT CRACKS AND MODERATE SPALLS IN SEVERAL AREAS WITH REBAR EXPOSED EXPOSED AND RUSTING. TOP OF</p>	<p>Inspector: DPC</p>	<p>Deck: 5 Fair Super: 6 Satisfactory Substr: 6 Satisfactory Culvert: N N/A (NBI)</p>
<p>Inspection Date: 05/01/1997</p> <p>Notes: Sufficiency Rating Calculation Accepted by DEP at 12-23-98 08:11:39</p>	<p>Inspector: Not Available</p>	<p>Deck: 6 Satisfactory Super: 6 Satisfactory Substr: 7 Good Culvert: N N/A (NBI)</p>

Bridge Inspection Report

Portsmouth 251/108

Inspection History:

Inspection Date: 06/01/1995 Notes:	Inspector: Not Available	Deck: 6 Satisfactory Super: 6 Satisfactory Substr: 7 Good Culvert: N N/A (NBI)
Inspection Date: 11/01/1993 Notes:	Inspector: Not Available	Deck: 6 Satisfactory Super: 7 Good Substr: 7 Good Culvert: N N/A (NBI)
Inspection Date: 09/01/1991 Notes:	Inspector: Not Available	Deck: 6 Satisfactory Super: 7 Good Substr: 7 Good Culvert: N N/A (NBI)

Bridge Lighting and Utilities: POLE LIGHTS APPEAR OK

Traffic Sign Notes: OK.

Traffic Sign Mounts: OK.

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- Bureau of Rail and Transit
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- Dept. of Environmental Services
- USDA Forest Service
- Bureau of Traffic