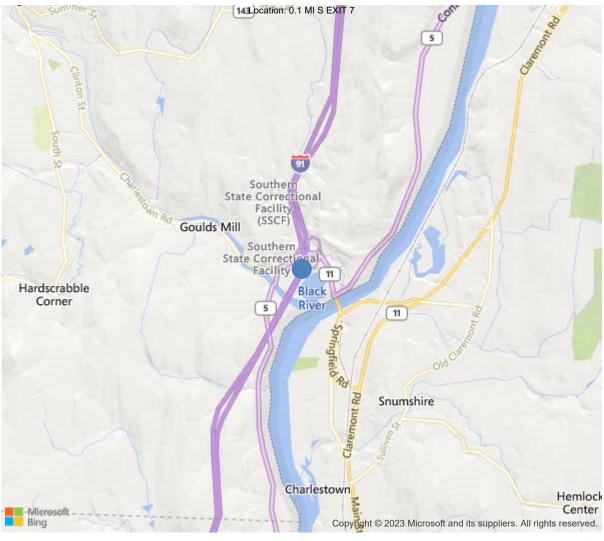




Town: 206 - SPRINGFIELD District 2, 27 - WINDSOR County Owner: 1 - State Highway Agency Maintenance Responsibility: 1 - State Highway Agency





43.26478, -72.43320



Route I91 / Structure #0027N / (Routine)

I 00091 ML over BIKE PATH

# Team Lead: Stephen Piro, Inspection Date: 05/24/2022

IDENTIFICA	TION
(1) State Names	50 - Vermont
(8) Structure Number	200091027N14182
(5) Inventory Route	1
(2) Highway Agency District	2 - District 2
(3) County Code	27 - WINDSOR
(4) Place Code	69550
(6) Features Intersected	BIKE PATH
(7) Facility Carried	I 00091 ML
(9) Location	0.1 MI S EXIT 7
(11) Mile Point	41.541 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0270000091 43.264777777778
(16) Latitude	-72.4332027777778
(17) Longitude	-12.4332021111116
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AN	
(43) Main Structure Type	32
Material	3 - Steel
Туре	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Туре	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	2 - Preformed Fabric
Type of Deck Protection	0 - None
AGE AND SEI	RVICE
(27) Year Built	1965
(106) Year Reconstructed	0
(42) Type of Service	13
On	1 - Highway
Under	3 - Pedestrian-bicycle
(28) Lano	
(28) Lane	
On	2
On Under	0
On Under (29) Average Daily Traffic	0 15000
On Under (29) Average Daily Traffic (30) Year of ADT	0 15000 2018
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT	0 15000 2018 13 %
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length	0 15000 2018 13 % 1 mi
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC	0 15000 2018 13 % 1 mi DATA
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span	0 15000 2018 13 % 1 mi DATA 72 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length	0 15000 2018 13 % 1 mi DATA
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length (50) Curb or Sidewalk Width	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length (50) Curb or Sidewalk Width (51) Bridge Roadway Width Curb to Curb	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length (50) Curb or Sidewalk Width (51) Bridge Roadway Width Curb to Curb (52) Deck Width Out to Out	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length (50) Curb or Sidewalk Width (50) Curb or Sidewalk Width (51) Bridge Roadway Width Curb to Curb (52) Deck Width Out to Out (32) Approach Roadway Width (W/Should	0 15000 2018 13 % 1 mi DATA Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length (50) Curb or Sidewalk Width (50) Curb or Sidewalk Width (51) Bridge Roadway Width Curb to Curb (52) Deck Width Out to Out (32) Approach Roadway Width (W/Should (33) Bridge Median	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft 74 ft 1 Cleft 0.7 ft 38 ft 43.2 ft 43.2 ft 1 - Open median
On   Under   (29) Average Daily Traffic   (30) Year of ADT   (109) Truck ADT   (19) Bypass, Detour Length   GEOMETRIC   (48) Length of Maximum Span   (49) Structure Length   (50) Curb or Sidewalk Width   (51) Bridge Roadway Width Curb to Curb   (52) Deck Width Out to Out   (32) Approach Roadway Width (W/Should   (33) Bridge Median   (34) Skew	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft 74 ft 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg
On   Under   (29) Average Daily Traffic   (30) Year of ADT   (109) Truck ADT   (19) Bypass, Detour Length   GEOMETRIC   (48) Length of Maximum Span   (49) Structure Length   (50) Curb or Sidewalk Width   (51) Bridge Roadway Width Curb to Curb   (52) Deck Width Out to Out   (32) Approach Roadway Width (W/Should   (33) Bridge Median   (34) Skew   (35) Structure Flared	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length (49) Structure Length (50) Curb or Sidewalk Width (50) Curb or Sidewalk Width (51) Bridge Roadway Width Curb to Curb (52) Deck Width Out to Out (32) Approach Roadway Width (W/Should (33) Bridge Median (34) Skew (35) Structure Flared (10) Inventory Route Min Vert Clear	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft
On Under (29) Average Daily Traffic (30) Year of ADT (109) Truck ADT (19) Bypass, Detour Length GEOMETRIC (48) Length of Maximum Span (49) Structure Length (50) Curb or Sidewalk Width (50) Curb or Sidewalk Width (51) Bridge Roadway Width Curb to Curb (52) Deck Width Out to Out (32) Approach Roadway Width (W/Should (33) Bridge Median (34) Skew (35) Structure Flared (10) Inventory Route Min Vert Clear (47) Inventory Route Total Horiz Clear	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Clear Over Bridge Rdwy	0 15000 2018 13 % 1 mi DATA Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Clear Over Bridge Rdwy     (54) Min Vert Underclear	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft
On   Under   (29) Average Daily Traffic   (30) Year of ADT   (109) Truck ADT   (19) Bypass, Detour Length   GEOMETRIC   (48) Length of Maximum Span   (49) Structure Length   (50) Curb or Sidewalk Width   (51) Bridge Roadway Width Curb to Curb   (52) Deck Width Out to Out   (32) Approach Roadway Width (W/Should   (33) Bridge Median   (34) Skew   (35) Structure Flared   (10) Inventory Route Min Vert Clear   (47) Inventory Route Total Horiz Clear   (53) Min Vert Clear Over Bridge Rdwy   (54) Min Vert Underclear   Ref:	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 43.2 ft 43.2 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft 0 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Clear Over Bridge Rdwy     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear RT	0 15000 2018 13 % 1 mi DATA Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear RT     Ref:	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft 0 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Clear Over Bridge Rdwy     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear RT     Ref:     (56) Min Lat Underclear LT	0 15000 2018 13 % 1 mi DATA Left 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft 0 ft 0 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear RT     Ref:	0 15000 2018 13 % 1 mi DATA Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 0 ft 0 ft 0 ft 0 ft
On   Under   (29) Average Daily Traffic   (30) Year of ADT   (109) Truck ADT   (19) Bypass, Detour Length   GEOMETRIC   (48) Length of Maximum Span   (49) Structure Length   (50) Curb or Sidewalk Width   (51) Bridge Roadway Width Curb to Curb   (52) Deck Width Out to Out   (32) Approach Roadway Width (W/Should   (33) Bridge Median   (34) Skew   (35) Structure Flared   (10) Inventory Route Min Vert Clear   (47) Inventory Route Total Horiz Clear   (47) Inventory Route Total Horiz Clear   (54) Min Vert Underclear   Ref:   (55) Min Lat Underclear RT   Ref:   (56) Min Lat Underclear LT   NAVIGATION   (38) Navigation Control	0 15000 2018 13 % 1 mi DATA Left 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft 0 ft 0 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Clear Over Bridge Rdwy     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear RT     Ref:     (56) Min Lat Underclear LT     NAVIGATION	0 15000 2018 13 % 1 mi DATA Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 0 ft 0 ft 0 ft 0 ft
On   Under   (29) Average Daily Traffic   (30) Year of ADT   (109) Truck ADT   (19) Bypass, Detour Length   GEOMETRIC   (48) Length of Maximum Span   (49) Structure Length   (50) Curb or Sidewalk Width   (51) Bridge Roadway Width Curb to Curb   (52) Deck Width Out to Out   (32) Approach Roadway Width (W/Should   (33) Bridge Median   (34) Skew   (35) Structure Flared   (10) Inventory Route Min Vert Clear   (47) Inventory Route Total Horiz Clear   (47) Inventory Route Total Horiz Clear   (54) Min Vert Underclear   Ref:   (55) Min Lat Underclear RT   Ref:   (56) Min Lat Underclear LT   NAVIGATION   (38) Navigation Control	0 15000 2018 13 % 1 mi DATA Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 0 ft 0 ft 0 ft 0 ft
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Clear Over Bridge Rdwy     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear LT     (56) Min Lat Underclear LT     (38) Navigation Control     (111) Pier Protection	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 38 ft 43.2 ft lers) 38 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 0 - No flare 99.99 ft 0 ft 0 ft 0 ft 0 ft DATA N - Not applicable, no waterwa
On     Under     (29) Average Daily Traffic     (30) Year of ADT     (109) Truck ADT     (19) Bypass, Detour Length     GEOMETRIC     (48) Length of Maximum Span     (49) Structure Length     (50) Curb or Sidewalk Width     (51) Bridge Roadway Width Curb to Curb     (52) Deck Width Out to Out     (32) Approach Roadway Width (W/Should     (33) Bridge Median     (34) Skew     (35) Structure Flared     (10) Inventory Route Min Vert Clear     (47) Inventory Route Total Horiz Clear     (53) Min Vert Underclear     (54) Min Vert Underclear     Ref:     (55) Min Lat Underclear RT     Ref:     (56) Min Lat Underclear RT     (38) Navigation Control     (111) Pier Protection     (39) Navigation Vertical Clearance	0 15000 2018 13 % 1 mi DATA 72 ft 74 ft Left 0.7 ft Right 0.7 ft 43.2 ft 43.2 ft 1 - Open median 21 Deg 0 - No flare 99.99 ft 38 ft 99.99 ft 0 ft 0 ft DATA N - Not applicable, no waterwa 0 ft

CLASSIFI	CATION
(112) NBIS Bridge Length	Y
(104) Highway System	1
(26) Functional Class	1 - Rural Principal Arterial -
(100) Defense Highway	1 - The inventory route is on
(101) Parallel Structure	R - The right structure of par
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	· · · · ·
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	1 - The inventory route is par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDI	ITION
(58) Deck	6
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	Ν
(62) Culverts	Ν
LOAD RATING	AND POSTING
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Туре	1 - Load Factor(LF)
Rating	98
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	<u>· · ·</u>
Туре	
Rating	58
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRA	AISAL
(67) Structural Evaluation	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	Ν
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	N - Bridge not over waterway.
PROPOSED IMI	PROVEMENTS
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estima	ite
(114) Future ADT	15750
(115) Year of Future ADT	2028
INSPECT	FIONS *
	110NS * 05/24/2022
(90) Inspection Date	
(91) Frequency	24

(ee) mepeenen Bate		00/2 1/2022
(91) Frequency		24
(92) Critical Feature Inspection	Done Freq.	(Mon) Date
A: Fracture Critical Detail	No	
B: Underwater Inspection	No	
C: Other Special Inspection		
* The inspection date and frequence	v information in thi	s hox contains

\* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.



Deck
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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3197	2437	600	160	0
1080	Delamination/Spall/Patched Area	SF	160	0	0	160	0
1120	Efflorescence/Rust Staining	SF	400	0	400	0	0
1130	Cracking (RC and Other)	SF	200	0	200	0	0
510	Wearing Surfaces	SF	2812	2794	18	0	0
3220	Crack (Wearing Surface)	SF	18	0	18	0	0
301	Pourable Joint Seal	LF	82	70	12	0	0
2340	Seal Cracking	LF	12	0	12	0	0
330	Metal Bridge Railing	LF	148	89	59	0	0
1000	Corrosion	LF	59	0	59	0	0
804	Concrete Fascia	LF	148	135	6	7	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1120	Efflorescence/Rust Staining	LF	9	0	6	3	0

### 58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Reinforced concrete deck is in satisfactory condition being fairly clean with scattered areas of minor transverse cracking with efflorescence leakage present. Delaminations are forming around a few of the cracks scattered around the soffit. Deck has a few small patched areas which are in sound condition.

### 200 - Existing pavement depth on bridge (3")

### A21 - Deck Wearing Surface Condition (2 - Good)

Asphalt is in fairly good condition with light wear in travel lanes and some light sealed cracking.

### A24 - Deck Curb Condition (5 - Poor)

Concrete curbing with granite block facing is in poor condition with the concrete behind the granite facing having areas of moderate to heavy concrete scaling and areas of minor cracking. Granite blocks along the western curb are loose and have slight misalignment present. Western curb has heavier deterioration with the heaviest being present along the curbing over the wingwalls.

### A28 - Deck Rail Condition (2 - Good)

Galvanized two (2) tier box beam rail is in fairly good condition having some minor scrapes and dents with some light surface rusting around scrapes.

### A31 - Deck Post Condition (2 - Good)

Pedestal mounted galvanized steel tube posts are generally in fairly good condition with some minor wear present.

### A34 - Deck Joint Condition (3 - Satisfactory)

Asphaltic plug joints are present over both abutments with joints having some minor wearing in the travel lanes and some scattered minor transverse cracking along the joint edges.

### A38 - Deck Drain Condition (2 - Good)

Weep tubes are present along both fascias and have been extended and hang below the bottom flange of fascia beams.

### A39 - Deck Fascia Condition (3 - Satisfactory)

Concrete fascia has some areas of light cracking and small rust stains in various locations along both fascias. Top surface of fascia's have minor to moderate longitudinal cracking forming.



# APPROACH

## 72 - Approach Roadway Alignment (8 - Equal to present desirable criteria)

Roadway alignment has a slight curve with a slight elevation gain in the direction of traffic.

### A13 - Approach Rail Condition (2 - Good)

Galvanized steel beam rail is in fairly good condition. A few sections of rail are older having some light surface rusting and minor dents and scrapes along the face of rail.

## A16 - Approach Post Condition (2 - Good)

Galvanized steel posts with mixture of composite and steel offsets in the older sections of rail are in fairly good condition. Posts in older section of rail have a few light dents and bends present in the upper portions.



# Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	444	422	22	0	0
1000	Corrosion	LF	22	0	22	0	0
515	Steel Protective Coating	SF	3566	3416	0	125	25
3420	Peeling/Bubbling/Cracking	LF	150	0	0	125	25
311	Movable Bearing	EA	6	5	0	1	0
1000	Corrosion	EA	1	0	0	1	0
313	Fixed Bearing	EA	6	5	0	1	0
1000	Corrosion	EA	1	0	0	1	0

## 59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Six (6) painted steel rolled beams are in fairly good condition having positive camber and cover plates. Small areas of surface rusting mainly along the lower flanges and lower sections of the webs near the ends of the beams. Paint has minor distress along the lower flanges near the beam ends with steel corrosion initiated. Paint has small areas where paint is starting to bubble, flake and peel.

# A55 - Lateral Bracing Condition (2 - Good)

Three (3) painted steel c-channel diaphragms that are bolted to plates that are welded to the webs of the rolled beams are in fairly good condition with some very small areas of corrosion.

# A63 - Bearing Condition (2 - Good)

Abutment #2 has bronze bearings with interior bearings having some minor rusting and fascia bearings having minor rust scaling forming (mainly along the western side of structure). Sliding steel plates are present over abutment #1 having light rusting along the interior with fascia bearings having minor rust scaling forming.



# Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	92	75	16	1	0
1120	Efflorescence/Rust Staining	LF	3	0	2	1	0
1130	Cracking (RC and Other)	LF	14	0	14	0	0
800	Reinforced Concrete Wing/Retaining Wall	EA	4	4	0	0	0

# 60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Abutment #1 is in fairly good condition having a few hairline vertical shrinkage cracks. Minor sandy debris build up is present along bridge seat. Minor saturated concrete and efflorescence leakage on the eastern end of abutment stem.

Abutment #2 is in fairly good condition having a few hairline vertical shrinkage cracks. Minor sandy debris build up is present along bridge seat.

# A71 - Abutment End Walls Condition (3 - Good)

Reinforced concrete curtain walls are present at both abutments and are in fairly good condition having some light hairline cracking.

## A77 - Retaining/Wingwall Condition (3 - Good)

Concrete wingwalls are in fairly good condition having some light map cracking.

# CHANNEL

### 61 - Channel/Channel Protection (N - Not applicable.)

# **GENERAL OBSERVATION**

Asphaltic plug joints over both abutments have minor transverse cracking along edges and should be considered for replacement to prevent leakage to structure below. Both sides of concrete curbing have areas of deep concrete scaling and should be cleaned and patched. Debris should be cleaned off abutment bridge seats. General cleaning of the paint is needed along the lower flanges at beam ends and bearings should be cleaned and repainted.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3197	2437	600	160	0
1080	Delamination/Spall/Patched Area	SF	160	0	0	160	0
1120	Efflorescence/Rust Staining	SF	400	0	400	0	0
1130	Cracking (RC and Other)	SF	200	0	200	0	0
510	Wearing Surfaces	SF	2812	2794	18	0	0
3220	Crack (Wearing Surface)	SF	18	0	18	0	0
107	Steel Open Girder/Beam	LF	444	422	22	0	0
1000	Corrosion	LF	22	0	22	0	0
515	Steel Protective Coating	SF	3566	3416	0	125	25
3420	Peeling/Bubbling/Cracking	LF	150	0	0	125	25
215	Reinforced Concrete Abutment	LF	92	75	16	1	0
1120	Efflorescence/Rust Staining	LF	3	0	2	1	0
1130	Cracking (RC and Other)	LF	14	0	14	0	0
301	Pourable Joint Seal	LF	82	70	12	0	0
2340	Seal Cracking	LF	12	0	12	0	0
311	Movable Bearing	EA	6	5	0	1	0
1000	Corrosion	EA	1	0	0	1	0
313	Fixed Bearing	EA	6	5	0	1	0
1000	Corrosion	EA	1	0	0	1	0
330	Metal Bridge Railing	LF	148	89	59	0	0
1000	Corrosion	LF	59	0	59	0	0
800	Reinforced Concrete Wing/Retaining Wall	EA	4	4	0	0	0
804	Concrete Fascia	LF	148	135	6	7	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1120	Efflorescence/Rust Staining	LF	9	0	6	3	0





Western Fascia



Southern Approach



Deck Wearing Surface from Abutment #1



Asphaltic Plug Joint over Abutment #1





Western Curb Face



Curb Scaling along Western Side



Eastern Curb Spalling / Scaling along the Southern Corner



Asphaltic Plug Joint over Abutment #2





Bronze Bearing #1 at Abutment #2



Abutment #2



Retaining Wall Blow Out along Northwest Corner of Structure



Abutment #1





**Typical Cross Bracing** 



Northwest Corner Fascia



Northwest Curb Scaling / Spalling



Northern Retaining Wall with Multiple Section Failing





Northern Retaining Wall with Multiple Section Failing



Abutment #2





Superstructure

Deck Soffit Northern End



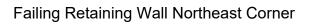


Abutment #1



Deck Soffit Southern End







Abutment #1





West End Abutment #1



Bearing #1 Abutment #1





Bearing #2 Abutment #1

Superstructure



Maintenance Needs	
Date Reported:	05/24/2022
Priority:	4 - Maintenance Finding - Next Inspection Cycle
Type of Work:	12 - Deck - Fascia and curb repair or reconstruction
Status:	Open
Component:	Deck

# **Deficiency Description**

Concrete curbs have deep spalling / scaling scattered throughout and need to be cleaned and patched. Fascia's have longitudinal cracking that are starting to delaminate and have scaling in surrounding areas along the top surface and should also be considered for repairs.

### Remarks



Western Curb Face



Eastern Curb Spalling / Scaling along the Southern Corner