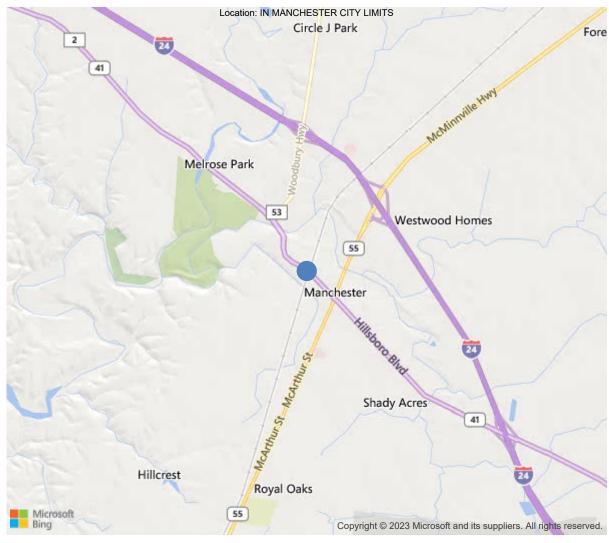


Asset **#16SR0020015**(Routine) **Region:** 02, **County:** 16 - Coffee **Team Lead:** Elizabeth Roadinger, **Inspection Date:** 10/12/2023



Latitude:35.48025, Longitude:-86.08580 Region 02, 16 - Coffee County Team Leader: Elizabeth Roadinger Inspectors: Bradley Dagenais

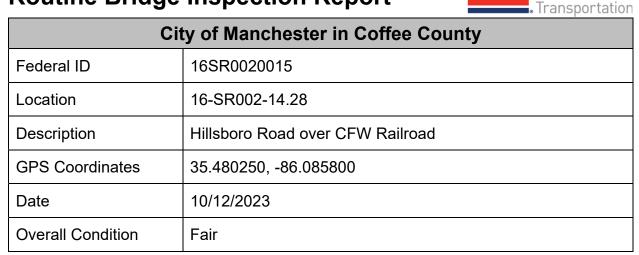




HILLSBORO BLVD. Crossing CFW RAILROAD

35.48025, -86.08580

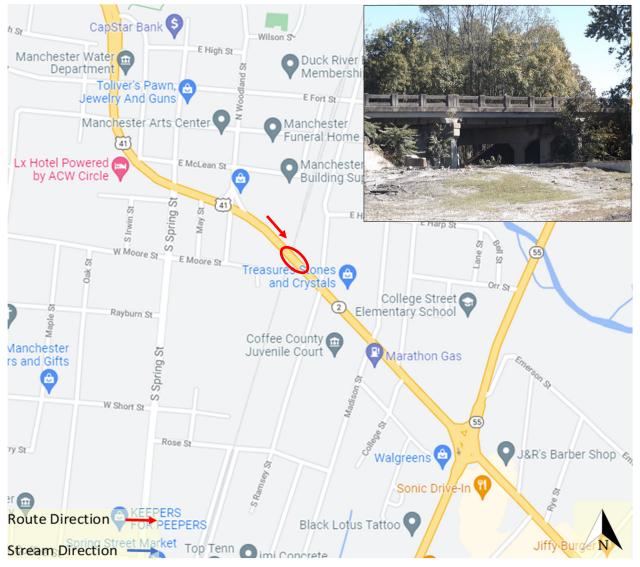
# **Routine Bridge Inspection Report**



TN

TDOT

Department of





#### **Maintenance Recommendations**

525 - Repair List # 2

523 - Repair List Add Date 3/1/2016 1

524 - Repair List Revise Date 10/12/2021

Date Added	Recommendation	Priority
09/21/1998	APPROACH GUARDRAILS ARE NON-EXISTENT	
02/09/2010	BRIDGERAILS ARE SUBSTANDARD	
10/28/2021	REPAIR SIDEWALK ON BOTH SIDES OF BRIDGE	
11/02/2017	CLEAN AND SEAL ROADWAY EXPANSION JOINTS	
11/12/2021	PATCH BOTTOM OF DECK IN ALL SPANS	
10/12/2023	REPAIR CRACKS, SPALLS, AND DELAMINATED AREAS THROUGHOUT DECK AND SUPERSTRUCTURE	



90 - LAST INSPECTION DATE	10/12/2023	
10 - MIN. V.C. OVER DECK (ROADWAY + SHOULDERS)	99.99 FT.	
520 - MIN. V.C. OVER DECK (EXCLUDES SHOULDERS)	99.99 FT.	

#### **36 - TRAFFIC SAFETY FEATURES**

Br. Rail	Trans.	Appr. Rail	Terminal	SPEED LIM.	
0	0	0	0	40	
41 - STR	C OPEN/CI	LOSED/POS	TED	P	
58 - DEC	к			5	
59 - SUP	PERSTRUC	TURE		5	
60 - SUE	5				
61 - CHA	ON	Ν			
62 - CUL	Ν				
71 - WA		Ν			
72 - APPROACH RDWY ALIGNMENT 8					
<b>521 - OVERALL CONDITION</b> 2 - Fair					
16 - LAT	16 - LATITUDE 17 - LONGITUDE				
35.480250 -86.085800					

#### N NOT APPLICABLE

- 9 EXCELLENT CONDITION
- 8 VERY GOOD CONDITION NO PROBLEMS NOTED.
- 7 GOOD CONDITION SOME MINOR PROBLEMS.
- 6 SATISFACTORY CONDITION MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
- 5 FAIR CONDITION ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
- 4 POOR CONDITION ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
- 3 SERIOUS CONDITION LOSS OF SECTION, DETERIORATION, SPALLING OR SCOUR HAVE SERIOUSLY AFFECTED PRIMARY STRUCTURAL COMPONENTS. LOCAL FAILURES ARE POSSIBLE. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT.
- 2 CRITICAL CONDITION ADVANCED DETERIORATION OF PRIMARY STRUCTURAL ELEMENTS. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT OR SCOUR MAY HAVE REMOVED SUBSTRUCTURE SUPPORT. UNLESS CLOSELY MONITORED IT MAY BE NECESSARY TO CLOSE THE BRIDGE UNTIL CORRECTIVE ACTION IS TAKEN.
- 1 "IMMINENT" FAILURE CONDITION MAJOR DETERIORATION OR SECTION LOSS PRESENT IN CRITICAL STRUCTURAL COMPONENTS OR OBVIOUS VERTICAL OR HORIZONTAL MOVEMENT AFFECTING STRUCTURAL STABILITY. BRIDGE IS CLOSED TO TRAFFIC BUT CORRECTIVE ACTION MAY PUT IT BACK IN LIGHT SERVICE.
- 0 FAILED CONDITION OUT OF SERVICE AND BEYOND CORREC

Elizabeth Roadinger

TEAM LEADER SIGNATURE



CL & COURTCA TION

#### IDENTIFICATION

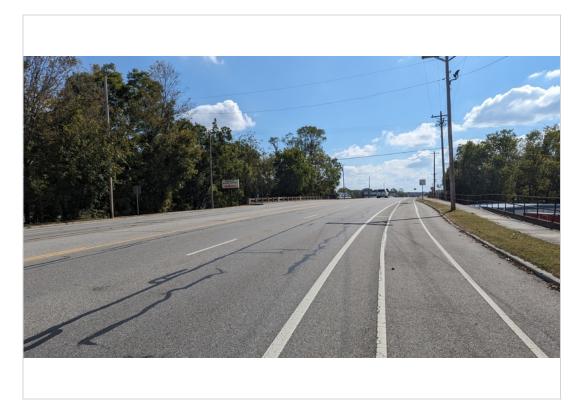
(1) State Names	47 - Tennessee
(8) Structure Number	16SR0020015
(5) Inventory Route	1
(2) Highway Agency District	Region 2
(3) County Code	16 - Coffee
(4) Place Code	45500
(6) Features Intersected	CFW RAILROAD
(7) Facility Carried	FAU 2 349448N
(9) Location	IN MANCHESTER CITY LIMITS
(11) Mile Point	14.280 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	16SR002001
(16) Latitude	35.480250
	-86.085800
(17) Longitude	-00.005000
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AN	
(43) Main Structure Type	14
Material	1 - Concrete
Туре	4 - Tee beam
(44) Approach Structure Type	00
Material	0 - Other / None
Туре	0 - Other / None
(45) No. of Spans in Main Unit	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	1 - Concrete Cast-III-Flace
	6 Dituminaua
Type of Wearing Surface	6 - Bituminous
Type of Membrane	8 - Unknown
Type of Deck Protection	0 - None
AGE AND SEI	RVICE
(27) Year Built	1940
(106) Year Reconstructed	1956
(42) Type of Service	52
On	5 - Highway-pedestrian
Under	2 - Railroad
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	12952
(30) Year of ADT	2021
(109) Truck ADT	9 %
(19) Bypass, Detour Length	<u> </u>
GEOMETRIC	
(48) Length of Maximum Span	39.0 ft
(49) Structure Length	156.0 ft
(50) Curb or Sidewalk Width	
	Left 6.0 ft
	Right 6.0 ft
(51) Bridge Roadway Width Curb to Curb	26.0 ft
(52) Deck Width Out to Out	84.5 ft
(32) Approach Roadway Width (W/Should	lers) 24.0 ft
(33) Bridge Median	2 - Closed median(no
(34) Skew	60 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	30.4 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	17.50 ft
Ref:	0.7.9
(55) Min Lat Underclear RT	8.7 ft
Ref:	
(56) Min Lat Underclear LT	21.8 ft
NAVIGATION	DATA
(38) Navigation Control	N - Not applicable, no waterwa
(111) Pier Protection	
(39) Navigation Vertical Clearance	0.0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	ft
(40) Navigation Horizontal Clearance	0.0 ft

CLASSIFI	CATION
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	14 - Urban Other Principal Art
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	4 - Historical significance is
COND	
(58) Deck	5
(59) Superstructure	5
(60) Substructure	6
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING	AND POSTING
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	8
(64) Operating Rating	
	d and Resistance Factor Rating (LRF
Rating	32.40
(65) Inventory Rating Method	8 - Load and Resistance Factor
(66) Inventory Rating	
Туре	
Rating	25.27
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	P - Posted for load (may inclu
APPRA	AISAL
(67) Structural Evaluation	6
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	4
(71) Waterway Adequacy	Ν
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	N - Bridge not over waterway.
PROPOSED IM	
(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 Estimation	
(114) Future ADT	20723
(115) Year of Future ADT	2042
INSPECT	
(90) Inspection Date	10/12/2021
(91) Frequency	24

INDIECI	110145		
(90) Inspection Date			10/12/2021
(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 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.





Looking ahead on route



View across top of deck



Asset **#16SR0020015**(Routine) **Region:** 02, **County:** 16 - Coffee **Team Lead:** Elizabeth Roadinger, **Inspection Date:** 10/12/2023



Looking back on route



Side view of structure





Underclearance looking North



Underclearance looking South



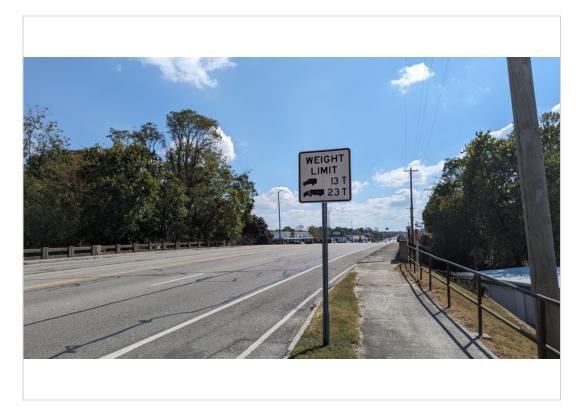


Bottom of deck

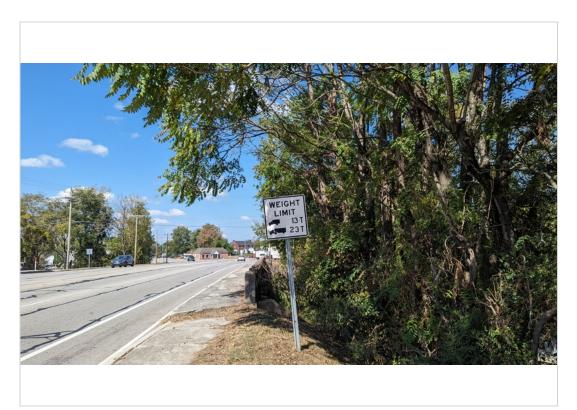


Bridge number





Weight posting sign at approach #1



Weight posting sign at approach #2



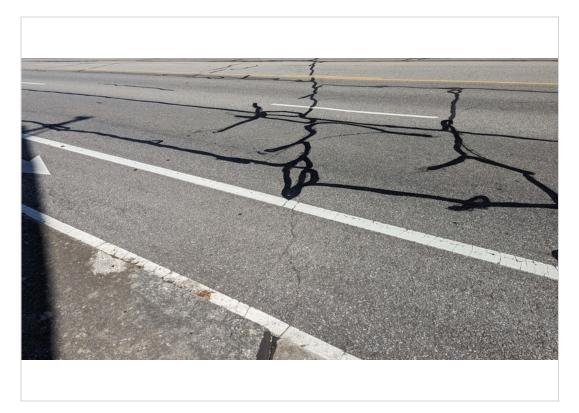


Typical abutment



Typical bent



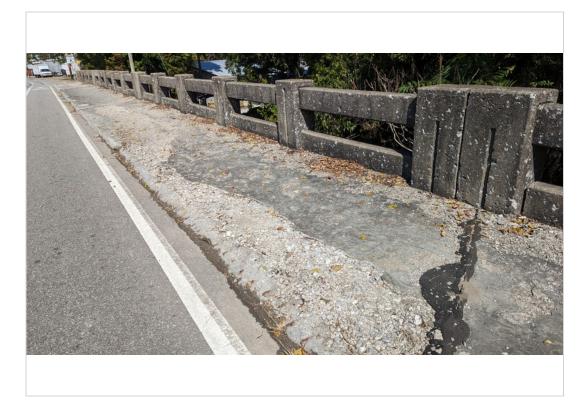


Typical sealed cracks in wearing surface



Typical scaling on bridge rail





Typical sidewalk deterioration



Typical repaired area





Typical spall with exposed rebar in bottom of deck



Typical moderate efflorescence in bottom of deck





Typical delaminated area



Typical embankment erosion at abutments



Asset **#16SR0020015**(Routine) **Region:** 02, **County:** 16 - Coffee **Team Lead:** Elizabeth Roadinger, **Inspection Date:** 10/12/2023



Typical void at abutment #1



### PERFORMANCE EVALUATION

Vehicles Observed	Autos	Weather Conditions	Sunny, 71°
		LIVE LOAD BEHAVIOR	
Sub Horiz./ Vert. E Sub Vibration Super Horiz./ Vert Super Vibration	(No)		
		APPROACH	
Alignment Slab Joints Pavement Embankment Approach Drains	(Good) (NA) (NA) (Good) (Good) (NA)		
		TRAFFIC SAFETY FEATURES	
Bridge Railing Rating Transitions Rating Guardrail Rating Guardrail Termina Rating	(NA)	Scaling throughout and some rebar pop-outs	
J		SIGNS POSTED ON ROUTE	
Paddleboards Vertical Clearance	(<14'-6")	No Weight Limit Posted   No Gross	Yes
Posted Height Narrow Bridge Sigr		No No Multi-unit Vehicle	13 Tons 23 Tons
One Lane Bridge Signs Other Signs or Plaques		No 564 Assigned Bridge	
		ATTACHED SIGNS	PRODUCED PURSUANT TO
Sign No	Location	Text on Sign	PUBLIC RECORDS REQUEST Noted:Defects covered by 23 U.S. §407 and its production pursuant to



# Asset **#16SR0020015**(Routine) **Region:** 02, **County:** 16 - Coffee **Team Lead:** Elizabeth Roadinger, **Inspection Date:** 10/12/2023

#### DECK

Wearing Surface Typ	<b>pe</b> Asphalt	Wearing Surface Depth 4
Wearing Surface	(Good)	Asphalt with sealed cracks
Deck - Structural Condition	(Fair)	Some moderate spalls with exposed rebar, delaminated areas, minor cracking, and moderate efflorescence
Curbs	(Fair)	Scaling throughout
Median	(NA)	
Sidewalks	(Poor)	Widespread moderate scaling and overall concrete deterioration
Parapet	(NA)	
Railing	(Fair)	Scaling throughout and some rebar pop-outs
Rail Paint	(NA)	
Deck Drains	(Poor)	Paved over
Lighting Standards	(NA)	
Utilities	(NA)	
Expansion Joints	(Not Visible)	Paved over

#### SUPERSTRUCTURE

Bearing Devices	(NA)	Not visible
Girders	(Fair)	Widespread repaired areas; delaminated areas; minor and moderate cracking, some with moderate efflorescence
Beams	(NA)	
Floor Beams	(NA)	
Stringers	(NA)	
Diaphragms	(Fair)	Some have hairline to moderate width cracks, some with efflorescence
Superstructure Bracing	(NA)	
Trusses - General	(NA)	
Trusses - Portals	(NA)	
Trusses - Bracing	(NA)	
Superstructure Paint	(NA)	
Alignment of Members	(Good)	

#### **TEXTURE COAT**



### ABUTMENTS

Abutment Caps	(Fair)	Widespread repaired areas; some cracking
Abutment Breastwal	I (NA)	
Abutment Wings	(Good)	
Abutment Backwall	(Good)	
Abutment Plumb	(Good)	
Abutment Footing	(Not visible)	
Abutment Piles	(Not Visible)	
Abutment Embankment	(Poor)	Erosion ditches; voids at abutment #1; step footing added at abutment #2
	(Poor) (Good)	Erosion ditches; voids at abutment #1; step footing added at abutment #2
Embankment Abutment Bearing		Erosion ditches; voids at abutment #1; step footing added at abutment #2
Embankment Abutment Bearing Surface Abutment Slope	(Good)	Erosion ditches; voids at abutment #1; step footing added at abutment #2

#### PIERS

Pier Caps	(NA)
Pier Columns I Walls	(NA)
Pier Plumb	(NA)
Pier Footing	(NA)
Pier Piles	(NA)
Pier Bearing Surface	(NA)

BENTS		
Bent Caps	(Fair)	Widespread repaired areas; scaling, cracking, delaminated areas
Bent Columns	(Fair)	Widespread repaired areas; scaling and cracking
Bent Plumb	(Good)	
Bent Footing	(Not Visible)	
Bent Piles	(NA)	
Bent Bearing Surface	(Good)	
Piles Need Replacement	(No)	



#### **Inspection Team's Summary**

This bridge consists of four simply-supported concrete deck girder spans. It has a length of 156 feet with a maximum span length of 39 feet. It is situated on a 60° right skew. It has an estimated construction date of 1940 and a widened estimated date of 1956. It was rehabilitated in 1997 and repaired in 2021. It was inspected on October 12, 2023 by a Region 2 bridge inspection team from Tullahoma and was found to be in overall fair condition.

The approach alignment, pavement, and embankments are rated good. The approach traffic safety features are non-existent. The bridge railing is in fair condition due to widespread scaling and rebar pop-outs. The bridge railing does not meet the current safety standards. The structure has a weight posting sign of 13 tons for 2 axle vehicles and 23 tons for 3+ axle vehicles at both approaches.

The deck is rated fair. There are moderate spalls with exposed rebar, delaminated areas, minor cracking, and moderate efflorescence in the bottom of the deck. The sidewalks are rated poor due to large areas of heavy scaling and concrete deterioration. The drains are rated poor due to being paved over. The expansion joints are not visible due to being paved over.

The superstructure is rated fair. The beams are rated fair due to delaminated areas, moderate cracks, and moderate efflorescence. There are widespread repaired areas. The diaphragms are rated fair due to some hairline to moderate width cracks, some with efflorescence.

The substructure is rated fair. The abutments and bents have widespread repaired areas. There is some cracking, scaling, and delaminated areas. The abutment embankments are rated poor due to erosion ditches and voids at abutment #1. A step footing has been added at abutment #2.

**General Inspection Comment** 

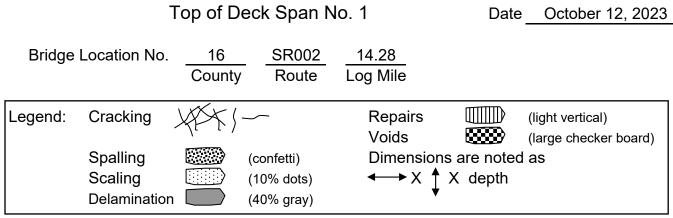


### **Deck Elevation**

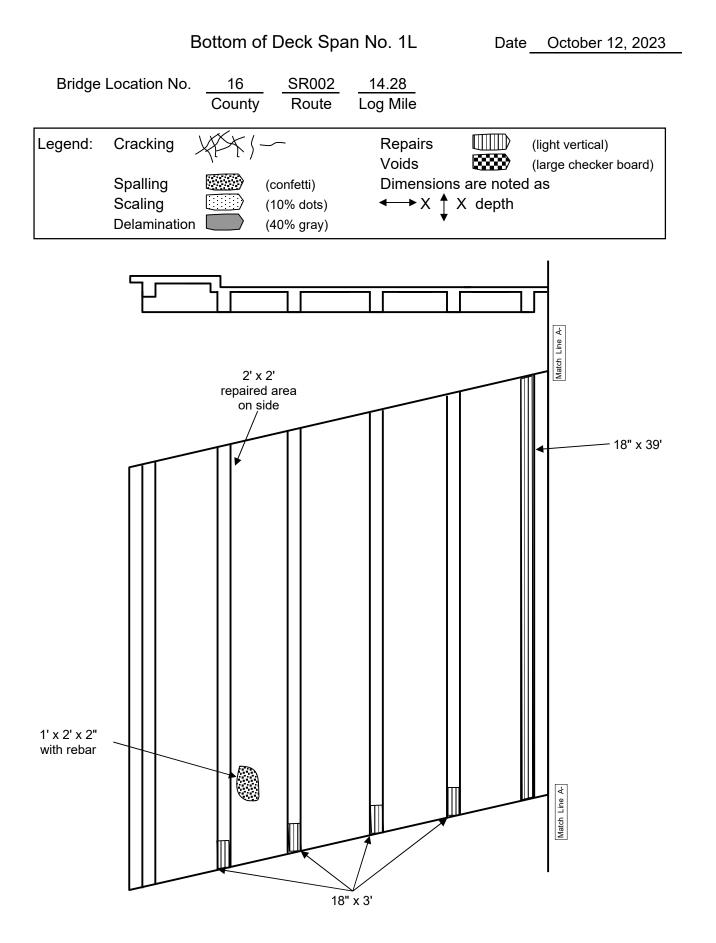
Benchmark height	997.14	Benchmark location	Top of bridge seat on right side of abutment #1	Edge location	
------------------	--------	--------------------	--	---------------	--

Comment All distances and elevations are in feet

Location	Top Lt. Curb	Left Gutter	Center Line	<b>Right Gutter</b>	Top Rt. Curb
Abutment #1	1000.56	999.9	1000.36	1000.37	1000.98
Bent #1	1000.98	1000.37	1000.76	1000.68	1001.25
Bent #2	1001.57	1000.57	1000.96	1000.74	1001.31
Bent #3	1001.21	1000.66	1000.89	1000.59	1001.13
Abutment #2	1001.13	1000.56	1000.76	1000.21	1000.83

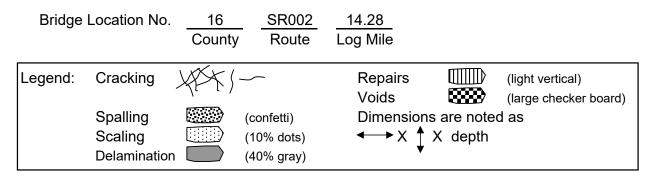


Sidewalks have large areas of heavy to severe scaling with some delamination Bridge railing has heavy scaling overall and few rebar pop-outs

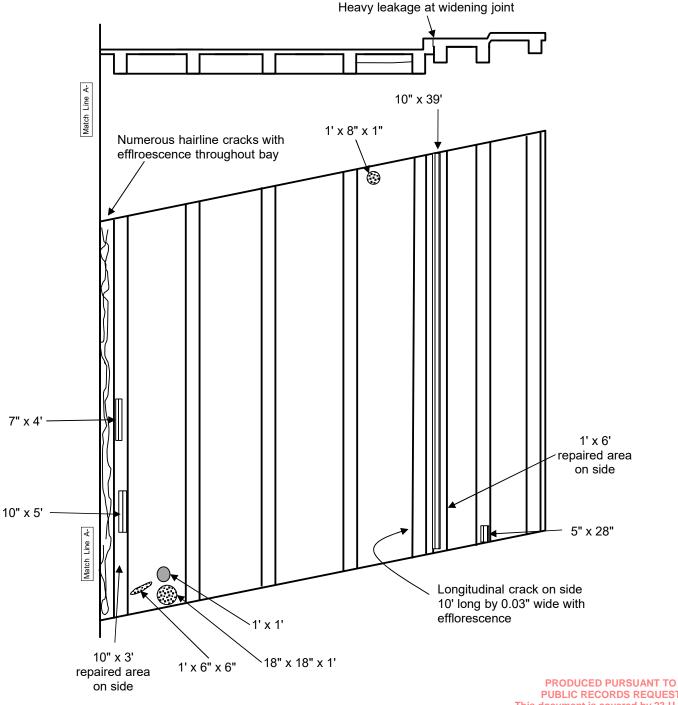


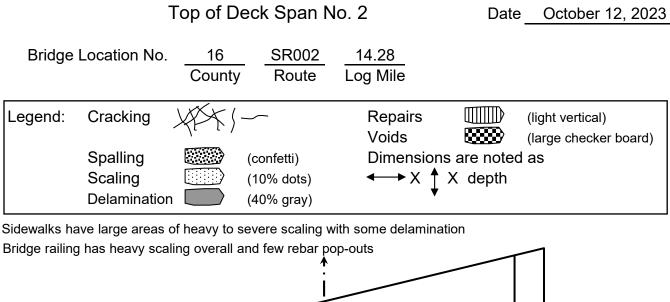
### Bottom of Deck Span No. 1R

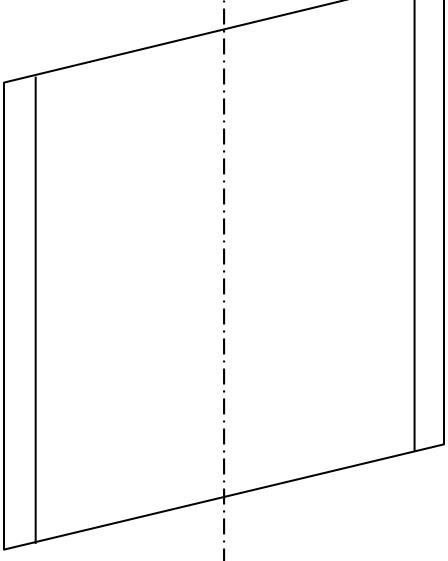
Date October 12, 2023



All spalls have exposed rebar

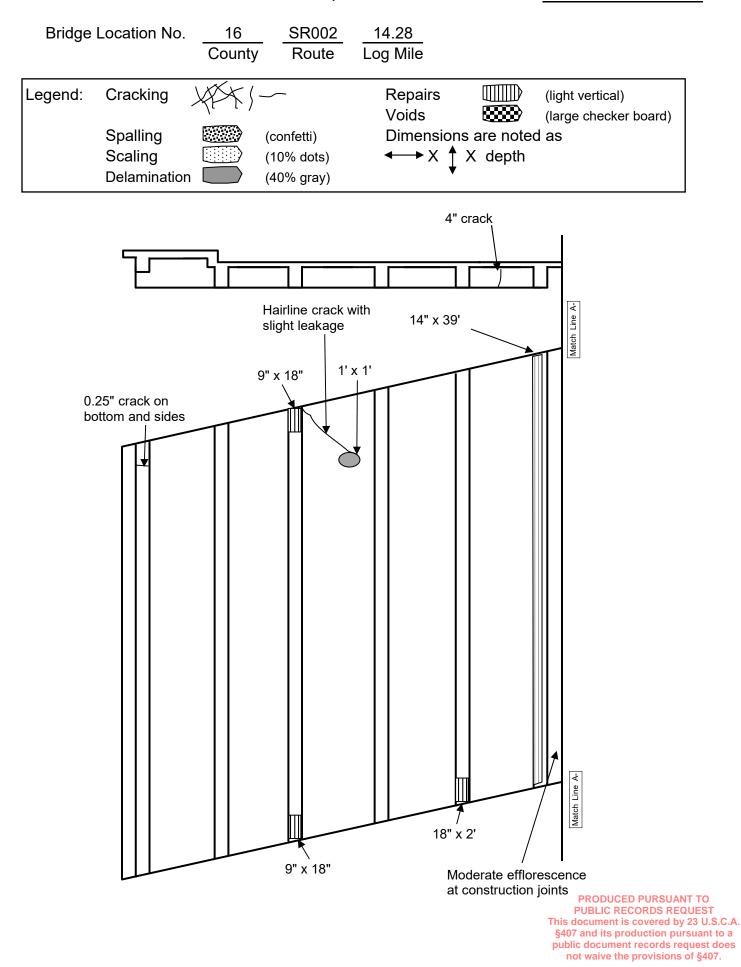






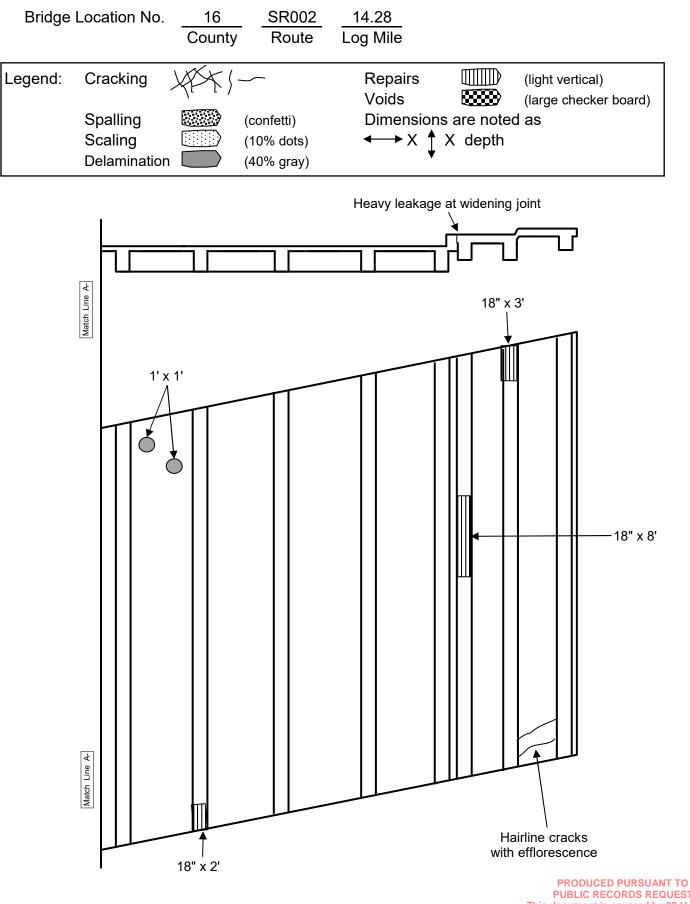
## Bottom of Deck Span No. 2L

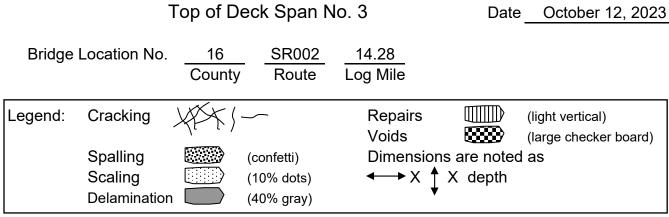
Date October 12, 2023



# Bottom of Deck Span No. 2R

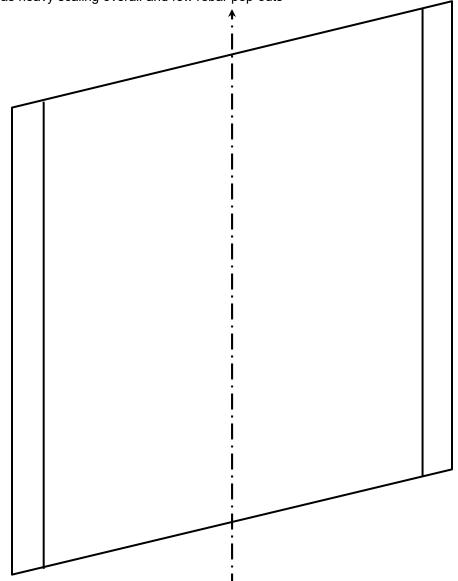
Date October 12, 2023





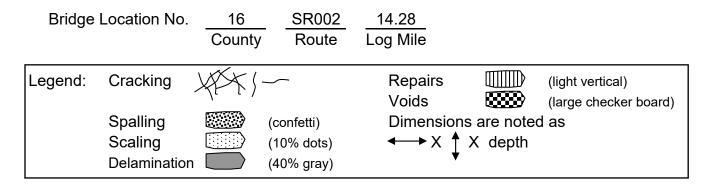
Sidewalks have large areas of heavy to severe scaling with some delamination

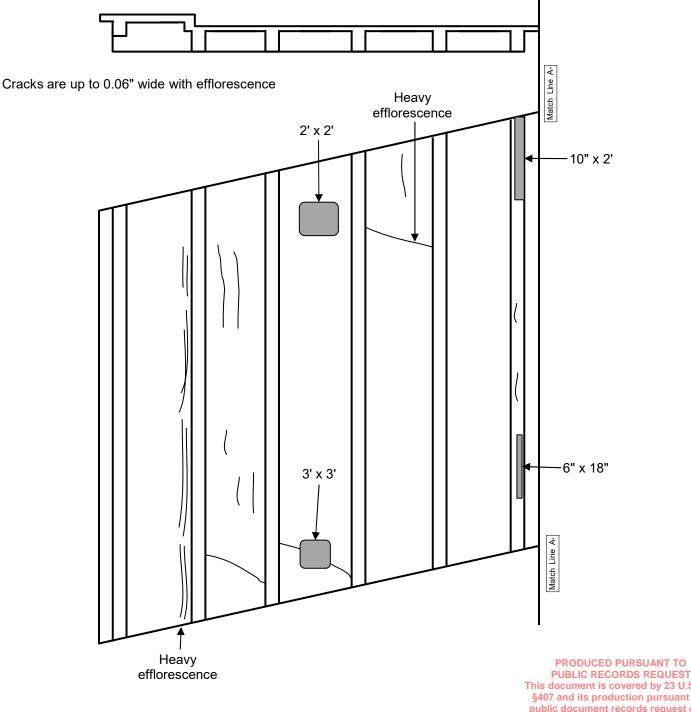
Bridge railing has heavy scaling overall and few rebar pop-outs



# Bottom of Deck Span No. 3L

Date October 12, 2023

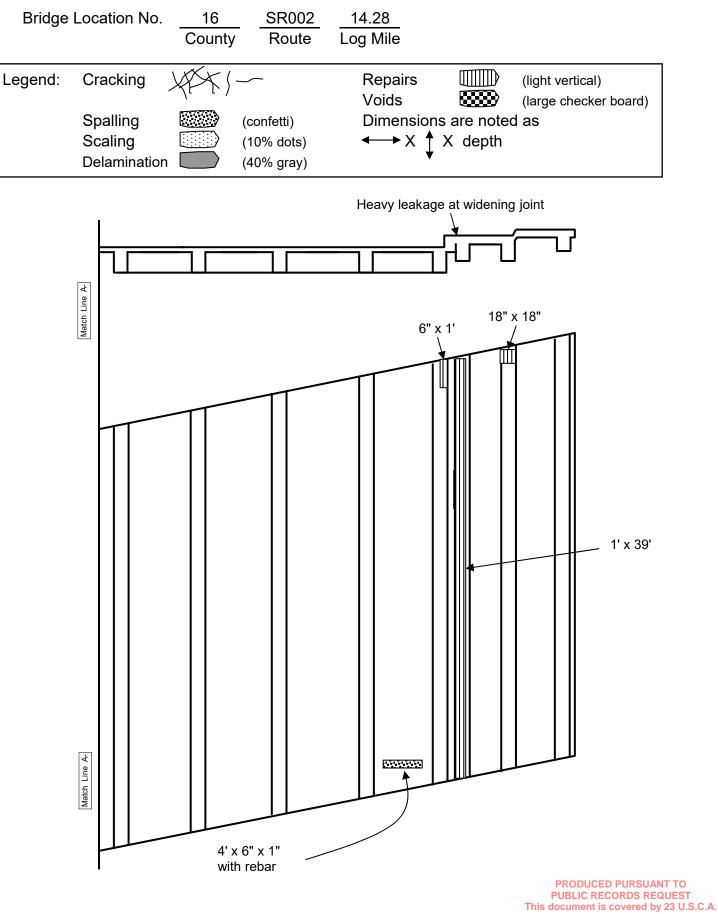




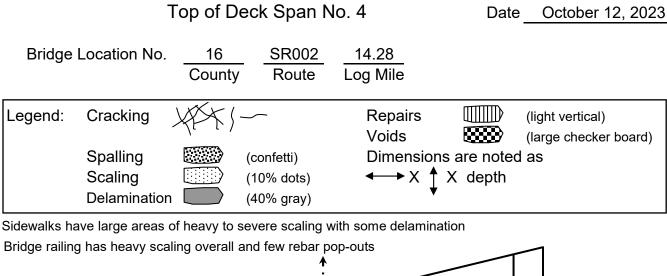
This document is covered by 23 U.S.C.A. §407 and its production pursuant to a public document records request does not waive the provisions of §407.

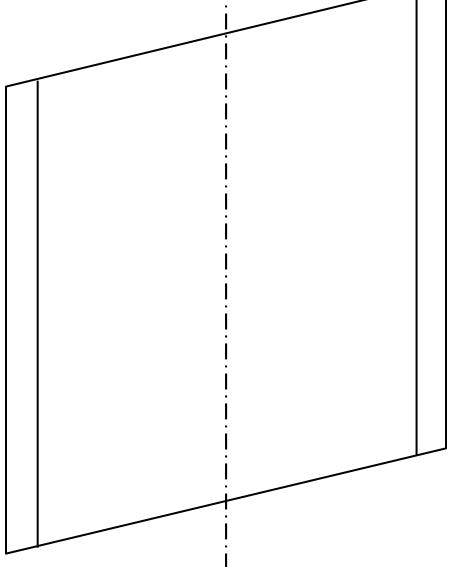
# Bottom of Deck Span No. 3R

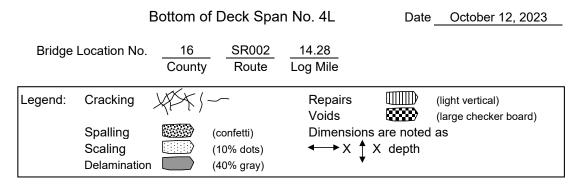
Date October 12, 2023



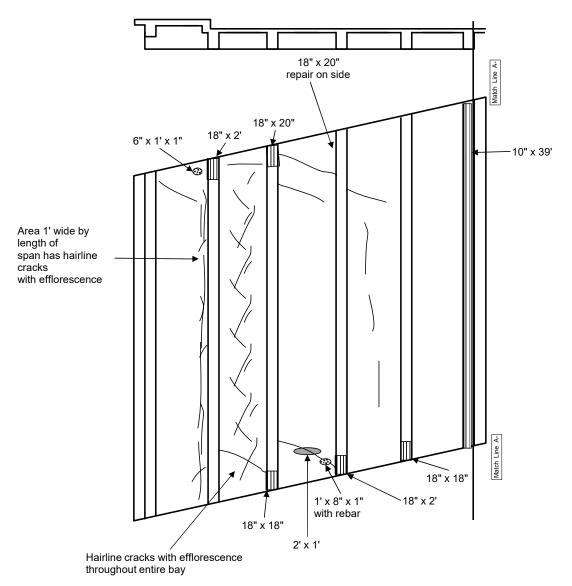
\$407 and its production pursuant to a public document records request does not waive the provisions of §407.





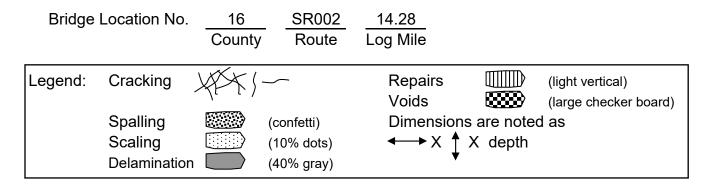


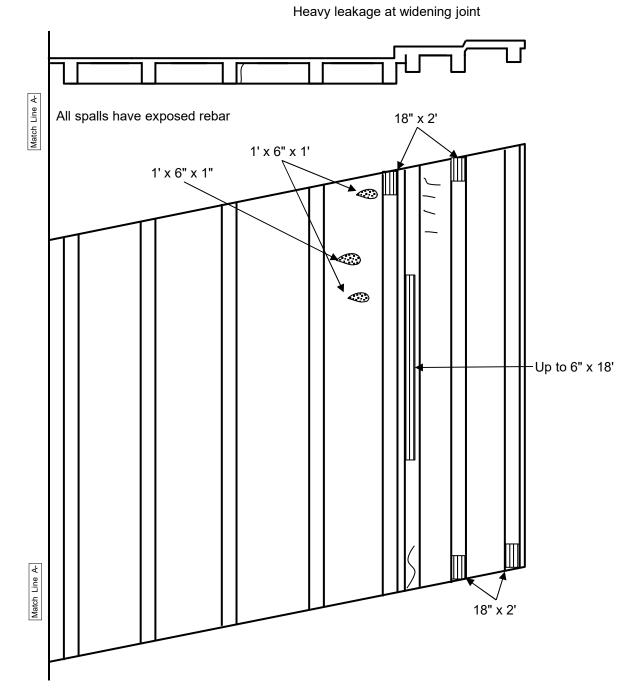
All cracks are hairline with efflorescence

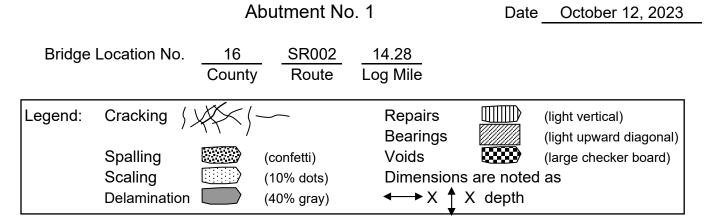


# Bottom of Deck Span No. 4R

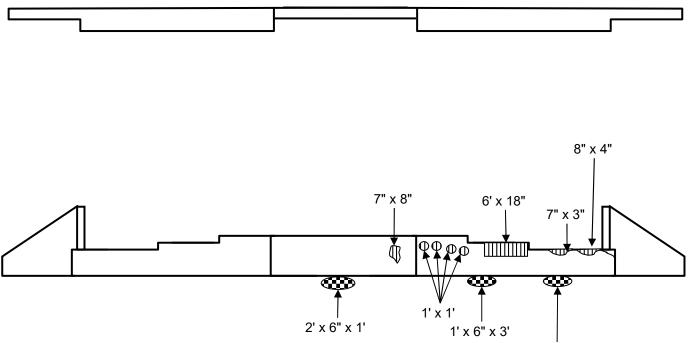
Date October 12, 2023



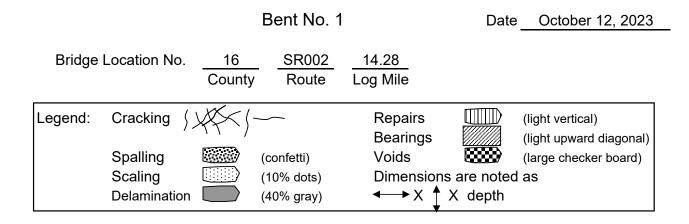


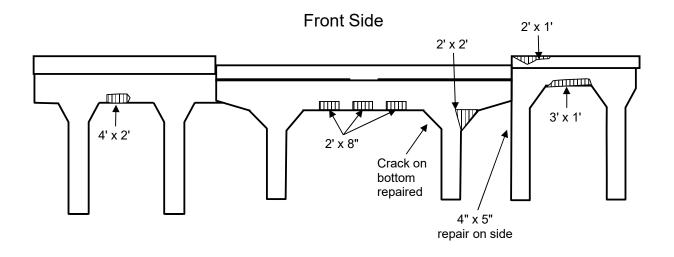


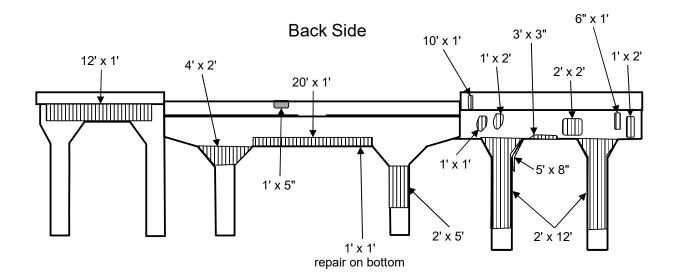
cracks are hairline

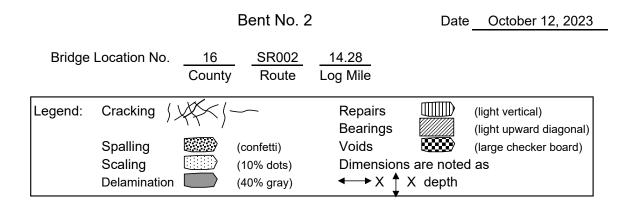


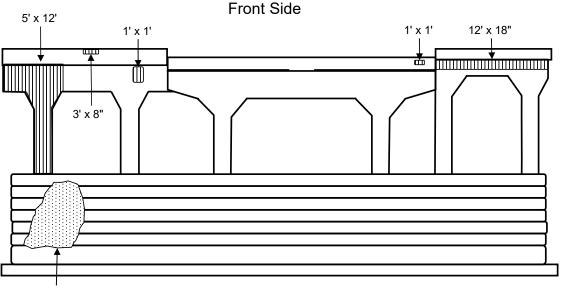
1' x 6" x 1.5'



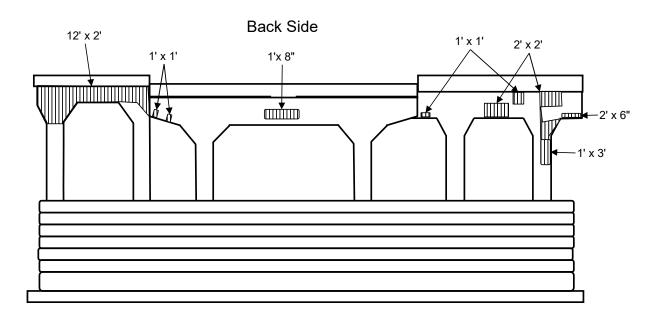


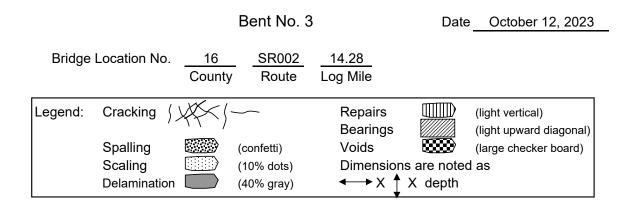


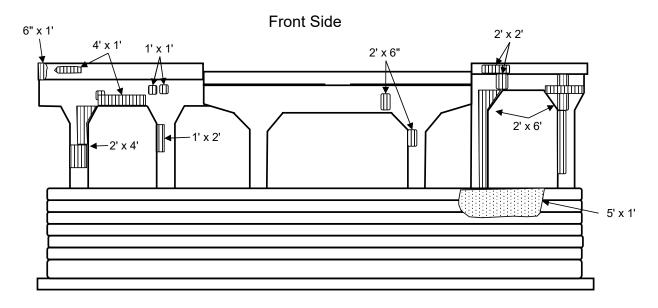


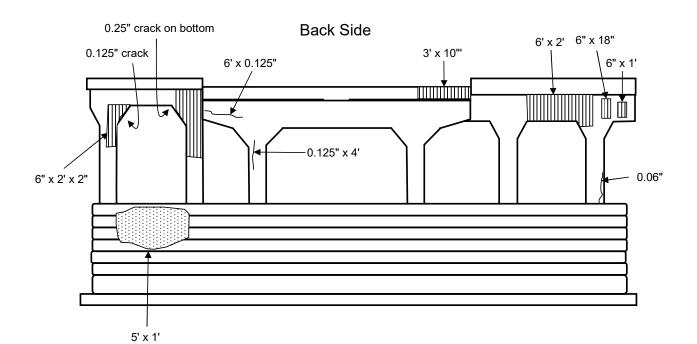


3' x 42"



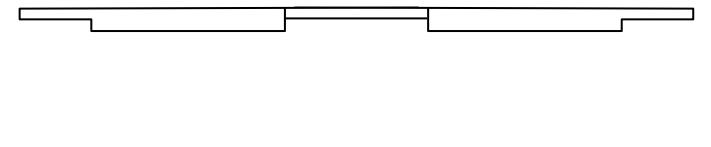


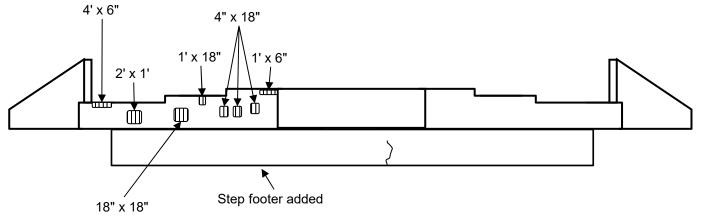




	Abutment No. 2					October 12, 2023		
Bridge	Location No.	16 County	SR002 Route	14.28 Log Mile				
Legend:	Cracking	¥\$ -</td <td><u>~</u></td> <td>Repairs Bearings</td> <td></td> <td>(light vertical) (light upward diagonal)</td>	<u>~</u>	Repairs Bearings		(light vertical) (light upward diagonal)		
	Spalling Scaling Delamination		(confetti) (10% dots) (40% gray)	Voids Dimension: ←→ X ↓	s are noted X depth	(large checker board)		

All cracks are hairline unless otherwise noted

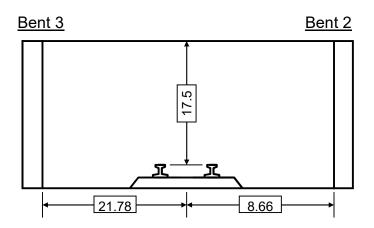




Date October 12, 2023

Bridge Location No. <u>16</u> SR002 <u>14.28</u> <u>I4.28</u> <u>ELEVATIONS ARE IN FEET.</u>

### Lateral and Vertical Clearances for CFW Railroad



# TN TDOT Department of Transportation

## **Equipment List**

General Inspection		Tools For Measuring			
Yes	Pocket knife	Masonry/Wood Ruler			
Yes	Sounding/chipping hammer	Yes 6' Pocket Tape			
	Chain drag	25' and 100' Tape			
Yes	Range pole	Yes Calipers			
	25' rod - depth and clearance	Thermometer			
Visua	l Aid	Carpenter's Level			
	Binoculars	String and Weighted line (plumb bob)			
Yes	- Flashlight	Special Purpose Equipment			
	Magnifying glass	Reach All			
	Hand mirror	Bucket Truck			
Clear	Wisk broom Wire brush Flat bladed screwdriver Hand shovel Penetrating oil (WD-40, etc.)	Traffic control Boat Sonar depth finder Increment borer Survey equipment Safety Harness Climbing equipment Dye penetrant			
	Ladders	Drone			
	Rope Waders	Special Purpose Equipment Laser measurer			
	Machete or bush axe -				

Comment



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
		SF					
16	Re Conc Top Flange		13182	10435	22	2725	0
1080	Delamination/Spall/Patched Area	SF	35	0	19	16	0
1120	Efflorescence/Rust Staining	SF	400	0	3	397	0
1130	Cracking (RC and Other)	SF	50	0	0	50	0
1190	Abrasion/Wear(PSC/RC)	SF	2262	0	0	2262	0
510	Wearing Surfaces	SF	10920	10920	0	0	0
3220	Crack (Wearing Surface)	SF	650	650	0	0	0
(16) Elemen	t record added 2016-03-01.						
(1080-16) E	lement record added 2016-03-01.						
(1120-16) E	lement record added 2016-03-01.						
(510-16) Ele	ment record added 2016-03-01.						
110	Re Conc Opn Girder/Beam	LF	2184	1875	296	13	0
1080	Delamination/Spall/Patched Area	LF	286	0	286	0	0
1120	Efflorescence/Rust Staining	LF	12	0	0	12	0
1130	Cracking (RC and Other)	LF	13	2	10	1	0
(110) Eleme	nt record added 2016-03-01.						
(1080-110)	Element record added 2016-03-01.						
(1120-110)	Element record added 11/9/2021						
205	Re Conc Column	EA	18	8	9	1	0
1080	Delamination/Spall/Patched Area	EA	8	0	8	0	0
1130	Cracking (RC and Other)	EA	2	0	1	1	0
(205) Eleme	nt record added 11/14/2017						
210	Re Conc Pier Wall	LF	198	190	8	0	0
1190	Abrasion/Wear(PSC/RC)	LF	8	0	8	0	0
(210) Eleme	nt record added 2016-03-01.						
215	Re Conc Abutment	LF	242	156	86	0	0
1080	Delamination/Spall/Patched Area	LF	31	0	31	0	0
6000	Scour	LF	55	0	55	0	0
	nt record added 2016-03-01.	<u> </u>		÷	50	ũ	÷
	Element record added 2016-03-01.						
234	Re Conc Pier Cap	LF	297	213	76	0011080 511	DOLLAPIT TO
1080	Delamination/Spall/Patched Area	LF	76	0	PUE Th <b>7</b> s6docu §407 an public do	ODUCED PU BLIC RECORI Iment (): cover d its product ocument reco aive the prov	DS REQUES ered b0 23 U ion pursuan ords request

TN TDOT Department of Transportation

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130	Cracking (RC and Other)	LF	8	0	0	8	0
(234) Eleme	ent record added 2016-03-01.						
(1080-234)	Element record added 2016-03-01.						
302	2 Compressn Joint Seal		169	0	0	169	0
2310	Leakage	LF	169	0	0	169	0
(302) Eleme	ent record added 11/14/2017						
310	Elastomeric Bearing	EA	112	0	112	0	0
1000	Corrosion	EA	112	0	112	0	0
(310) Eleme	ent record added 2016-03-01.						
(1000-310)	Element record added 2016-03-01.						
311	Moveable Bearing	EA	28	0	28	0	0
1000	Corrosion	EA	28	0	28	0	0
(311) Eleme	ent record added 2016-03-01.						
(1000-311)	Element record added 2016-03-01.						
331	Re Conc Bridge Railing	LF	312	275	37	0	0
1090	Exposed Rebar	LF	25	0	25	0	0
1130	Cracking (RC and Other)	LF	100	88	12	0	0
(331) Eleme	ent record added 2016-03-01.						
(1090-331)	Element record added 11/9/2021						
(1130-331)	Element record added 11/9/2021						