

SCDOT BRIDGE INSPECTION FORM

(008) BRIDGE ID: 4010012620072	(005) ROUTE: RICHLAND I-126
(420) ASSET NO: 7935	(006) CROSSING: I-126
(419) RAMP NO: 8970	(009) LOCATION: 3 MI N OF COLUMBIA
(026) FUNCTIONAL CLASS: 11	(016) LAT: 34d 1m 14.10s (017) LON: 81d 5m 39.44s

GENERAL BRIDGE DATA												
EXISTING			REVISED			EXISTING			REVISED			
(027) Year Built	1985					(042) Type Serv; On(A) Und(B)	1	1				
(106) Year Recon	0					(028) Lanes; On(A) Und(B)	1	9				
(031) Design Load	5					(107) Deck Struct		1				
(36A) Railings	1					(108) Wear Surf/Membrane/Prot	1	8	8			
(36B) Transitions	1						MAT-SUP-SUB			MAT-SUP-SUB		
(36C) Appr Guard	1					(043) Main Original (A)	3	2	1			
(36D) Appr Guard End	1					Main Reconst (B)						
(037) History	5					(044) Appr Orginal (A)	0	00	0			
(319) Last Paint Date						Appr Reconst (B)						

GEOMETRIC DATA											
EXISTING			REVISED			EXISTING			REVISED		
						FT	IN		FT	IN	
(032) Appr Rdway	31					(053) Vert Clr Above Deck	99	99			
(033) Bridge Median	0					(54A) Vert Clear Ref		H			
(034) Skew	0					(54B) Vert Clear Right	20	0			
(035) Flared	0					(54C) Vert Clear Left	20	0			
(045) # Main Spans	5					(10A) Great Min Clr Over/Und	99	99			
(046) # Appr Spans	0					(10B) Great Min Right	20	0			
(048) Max Span Lgth	147					(10C) Great Min Left	20	0			
(308) Appr Span Lgth	0										
(049) Struct Length	672					(55A) Lat Clear Ref		H			
(47A) Horz Clear Right	31.60					(55B) Lat Clear Right		10			
(47B) Horz Clear Left	0					(55C) Lat Clear Left		3			
(47UA) Horz Clear Right	65.40										
(47UB) Horz Clear Left	50.90					(038) Navigation Cont		N			
(50B) Sidewalk Right	0					(039) Nav Vert Clear		0			
(50A) Sidewalk Left	0					(040) Nav Horz Clear		0			
(051) Curb to Curb	31.60					(111) Nav Pier Port					
(052) Deck Out-Out	34.80										

RATINGS DATA											
EXISTING			REVISED			EXISTING			REVISED		
(58) Deck	7					(041) Traffic Status		A			
(59) Super Str	8					(063) Rating Method		2			
(60) Sub Str	8					(064) Operating Method		50			
(061) Channel	N					(065) Rating Method		2			
(062) Culv Ret	N					(066) Inventory Rating		36			
(071) Water Adeq	N					(411) Date Rated					
(072) Appr Rdway	8					(418) Conditions During Rating					
(113) Scour Critical	N						Freq	Mth/Year		Freq	Mth/Year
(067) Structure	8					(091, 090) Routine Insp	24	12/2015		24	12/2017
(068) Deck Geom	5					(92A, 93A) Fracture Critical		N			
(069) Underclear	3					(92B, 93B) Underwater Insp		N			
(070) Bridge Post	5					(92C, 93C) Special Insp		N			

Inspection Leader: POINTER WILLIAM D	Reviewed By:
Date:	Date:

Bridge Element Group Textual Data

Bridge ID: 40-1-00126-2-00-72

18 Dec 2017

Abutments and/or Headwalls:

Hairline cracks in wingwall, East end. Slight settlement on slope protection, both ends. Minor washing under approach slab at bent 1, right side.

Bents and/or Piers:

(8)

Bearings:

Girders/Floor Beams/Stringers and/or Beams:

(8)

Truss Members:

Expansion Joints:

Expansion material missing at bents 1 and 6, (see photos).

Decks and/or Slabs:

(7) Hairline cracks with efflorescence on underside of deck at soffit.

Curbs:**Bridge Railing/Parapets and/or Median Barriers:**

Bridge and approach rail in place. Hairline cracks with efflorescence in parapet walls. Concrete median barrier at bent 3 on I-126.

Paint Systems:

Waterway and Scour:**Fender System:****Roadway Alignment:**

Longitudinal hairline cracks in approach slabs. Minor washing at approach drain bent 6, left side.

Traffic Signs:

2ea bridge end signs in place.

Encroachments:

Speed limit sign attached to column at bent 4 with metal band clamps.

Miscellaneous Notes:

Bridge Element Level Data

18 Dec 2017

<u>Element No</u>	<u>Element Name/Description</u>	<u>Units</u>	<u>Env</u>	<u>Defect</u>	<u>Quantity in Each Condition State</u>				<u>Total Qty</u>
					<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	
107	Steel Open Girder/Beam	feet	4	No	2688	0	0	0	2688
12	Reinforced Concrete Deck	sq feet	4	Yes					
12	Efflorescence/Rust Staining	sq feet	4	1120	0	26	0	0	26
12	Cracking (RC and Other)	sq feet	4	1130	0	93	0	0	93
12	Reinforced Concrete Deck	sq feet	4	Yes	23267	119	0	0	23386
205	Reinforced Concrete Column	each	4	No	4	0	0	0	4
215	Reinforced Concrete Abutment	feet	4	No	70	0	0	0	70
234	Reinforced Concrete Pier Cap	feet	4	No	126	0	0	0	126
301	Pourable Joint Seal	feet	3	No	70	0	0	0	70
302	Compression Joint Seal	feet	3	Yes					
302	Seal Damage	feet	3	2330	0	0	0	70	70
302	Compression Joint Seal	feet	3	Yes	0	0	0	70	70
310	Elastomeric Bearing	each	3	No	12	0	0	0	12
314	Pot Bearing	each	3	No	12	0	0	0	12
321	Reinforced Concrete Approach Slab	sq feet	2	Yes					
321	Cracking (RC and Other)	sq feet	2	1130	120	0	0	0	120
321	Reinforced Concrete Approach Slab	sq feet	2	Yes	2100	0	0	0	2100
331	Reinforced Concrete Bridge Railing	feet	2	Yes					
331	Efflorescence/Rust Staining	feet	2	1120	0	14	0	0	14
331	Cracking (RC and Other)	feet	2	1130	199	0	0	0	199
331	Reinforced Concrete Bridge Railing	feet	2	Yes	1330	14	0	0	1344
515	Steel Protective Coating	sq feet	1	No	43120	0	0	0	43120

4010012620072 I-126 EBL X-I-126 18 Dec 2017
Expansion material missing at bent 4.



4010012620072 I-126 EBL X-I-126 18 Dec 2017
Expansion material missing at bent 1.



Bridge Deficiency Report

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