

SCDOT BRIDGE INSPECTION FORM

(008) BRIDGE ID: 3210002600001	(005) ROUTE: LEXINGTON I-26
(420) ASSET NO: 3374	(006) CROSSING: STOOP CREEK
(419) RAMP NO:	(009) LOCATION: 6 MI NE OF COLUMBIA
(026) FUNCTIONAL CLASS: 11	(016) LAT: 34d 2m 37s (017) LON: 81d 7m 5s

GENERAL BRIDGE DATA

	EXISTING	REVISED		EXISTING	REVISED
(027) Year Built	1960		(042) Type Serv; On(A) Und(B)	1	5
(106) Year Recon	1979		(028) Lanes; On(A) Und(B)	10	0
(031) Design Load	4		(107) Deck Struct	N	
(36A) Railings	0		(108) Wear Surf/Membrane/Prot	N N N	
(36B) Transitions	0			MAT-SUP-SUB	MAT-SUP-SUB
(36C) Appr Guard	1		(043) Main Original (A)	1	19 1
(36D) Appr Guard End	1		Main Reconst (B)	1	19 1
(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
(032) Appr Rdway	126		(053) Vert Clr Above Deck	99	99
(033) Bridge Median	0		(54A) Vert Clear Ref	N	
(034) Skew	0		(54B) Vert Clear Right	0	0 0
(035) Flared	0		(54C) Vert Clear Left	0	0 0
(045) # Main Spans	2		(10A) Great Min Clr Over/Und	99	99
(046) # Appr Spans	0		(10B) Great Min Right	99	99
(048) Max Span Lgth	10		(10C) Great Min Left	99	99
(308) Appr Span Lgth	0				
(049) Struct Length	21		(55A) Lat Clear Ref	N	
(47A) Horz Clear Right	63		(55B) Lat Clear Right	0	
(47B) Horz Clear Left	63		(056) Lat Clear Left	0	
(47UA) Horz Clear Right	0	0			
(47UB) Horz Clear Left	0	0	(038) Navigation Cont	0	
(50B) Sidewalk Right	0		(039) Nav Vert Clear	0	
(50A) Sidewalk Left	0		(040) Nav Horz Clear	0	
(051) Curb to Curb	126		(111) Nav Pier Port		
(052) Deck Out-Out	150	0			

RATINGS DATA

	EXISTING	REVISED		EXISTING	REVISED
(58) Deck	N		(041) Traffic Status	A	
(59) Super Str	N		(063) Rating Method	8	
(60) Sub Str	N		(064) Operating Method	1.81	
(061) Channel	8		(065) Rating Method	8	
(062) Culv Ret	7		(066) Inventory Rating	1.40	
(071) Water Adeq	9		(411) Date Rated	09/2020	
(072) Appr Rdway	8		(418) Conditions During Rating	7	
(113) Scour Critical	8			Freq	Mth/Year
(067) Structure	7		(091, 090) Routine Insp	24	10/2019
(068) Deck Geom	9		(92A, 93A) Fracture Critical	N	24 10/2021
(069) Underclear	N		(92B, 93B) Underwater Insp	N	
(070) Bridge Post	5		(92C, 93C) Special Insp	N	

Inspection Leader: ERIC BEACH, COLLINS ENG	Reviewed By: KEVIN VELLO, COLLINS ENG
Date:	Date: 12/27/2021

Bridge Element Group Textual Data

Bridge ID: 32-1-00026-0-00-01

27 Dec 2021

Abutments and/or Headwalls:

N/A

Bents and/or Piers:

Vertical hairline cracks with efflorescence and rust and minor spalls in walls that have been patched, transverse cracks up to 1/16" in top with efflorescence in culvert. Water seeping through construction joints, with honeycombs in same area. Barrel #2 has a large spall on outer wall approximately 100 yards from outlet that has been patched. Barrel #1 has a 12" x 6" x 1" spall.

Bearings:

N/A

Girders/Floor Beams/Stringers and/or Beams:

N/A

Truss Members:

N/A

Expansion Joints:

N/A

Decks and/or Slabs:

Asphalt overlay.

Curbs:

N/A

Bridge Railing/Parapets and/or Median Barriers:

No bridge rail or approach rail on Berryhill Drive. Bridge and approach rail in place on S-1842.

Paint Systems:

N/A

Waterway and Scour:

See scour sheet.

Fender System:

N/A

Roadway Alignment:

Asphalt roadway is cracking at approaches on Berryhill Drive.

Traffic Signs:

2ea bridge end signs on Berryhill Drive and 2ea bridge end signs on S-1842.

Encroachments:

Barrel 1, Drain Pipes:

3'x3' top.

2'x4' top.

4' wall.

18" top.

3' wall.

2'x2' top.

18" wall.

Barrel 2, Drain Pipes:

4.5' wall.

2' wall.

4' wall.

2'x2' top.

18" wall.

18" wall.

Miscellaneous Notes:

I-26 EBL and WBL M/M 106.

Headwall to headwall is 1,025'.

+/- 20' fill.

Inlet at Fernandina Road and the outlet is at Berryhill Drive.

BRIDGE ORIENTATION: Labeling diagram orientation is the same direction as the historic orientation of the bridge S-N

Bridge Asset ID is located on the SW corner of the bridge.

Bridge Inspected on 10/18/2021 Sunny 70° degrees.

BITL: Eric Beach, Collins Engineers, Inc.

Assistants: Timothy Ray NICET IV and Mikayla Young

Bridge Element Level Data

27 Dec 2021

<u>Element No</u>	<u>Element Name/Description</u>	<u>Units</u>	<u>Env</u>	<u>Defect</u>	Quantity in Each Condition State				<u>Total Qty</u>
					<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	
241	Reinforced Concrete Culvert	feet	3	Yes					
241	Delamination/Spall/Patched Area	feet	3	1080	0	0	13	0	13
241	Efflorescence/Rust Staining	feet	3	1120	0	67	0	0	67
241	Cracking (RC and Other)	feet	3	1130	165	50	0	0	215
241	Reinforced Concrete Culvert	feet	3	Yes	1920	117	13	0	2050
330	Metal Bridge Railing	feet	1	No	21	0	0	0	21