

# 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	
(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	
(032) Appr Rdway	126	FT IN	FT IN
(033) Bridge Median	0	(053) Vert Clr Above Deck	99 99
(034) Skew	0	(54A) Vert Clear Ref	N
(035) Flared	0	(54B) Vert Clear Right	0 0 0 0
(045) # Main Spans	2	(54C) Vert Clear Left	0 0 0 0
(046) # Appr Spans	0	(10A) Great Min Clr Over/Und	99 99
(048) Max Span Lgth	10	(10B) Great Min Right	99 99
(308) Appr Span Lgth	0	(10C) Great Min Left	99 99
(049) Struct Length	21		
(47A) Horz Clear Right	63	(55A) Lat Clear Ref	N
(47B) Horz Clear Left	63	(55B) Lat Clear Right	0
(47UA) Horz Clear Right	0	(056) Lat Clear Left	0
(47UB) Horz Clear Left	0		
(50B) Sidewalk Right	0	(038) Navigation Cont	0
(50A) Sidewalk Left	0	(039) Nav Vert Clear	0
(051) Curb to Curb	126	(040) Nav Horz Clear	0
(052) Deck Out-Out	150	(111) Nav Pier Port	
RATINGS DATA			
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	Freq Mth/Year
(067) Structure	7	(091, 090) Routine Insp	24 10/2019 24 10/2021
(068) Deck Geom	9	(92A, 93A) Fracture Critical	N
(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

<b><u>Element No</u></b>	<b><u>Element Name/Description</u></b>	<b><u>Units</u></b>	<b><u>Env</u></b>	<b><u>Defect</u></b>	<b>Quantity in Each Condition State</b>				<b><u>Total Qty</u></b>
					<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>	<b><u>4</u></b>	
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