

SCDOT BRIDGE INSPECTION FORM

(008) BRIDGE ID: 3210002000600		(005) ROUTE: LEXINGTON I-20	
(420) ASSET NO: 4367		(006) CROSSING: STOOP CREEK	
(419) RAMP NO:		(009) LOCATION: 2 MI SE OF SEVEN OAKS	
(026) FUNCTIONAL CLASS: 11		(016) LAT: 34d 2m 6s (017) LON: 81d 6m 56s	
GENERAL BRIDGE DATA			
EXISTING		REVISED	
(027) Year Built	1964	(042) Type Serv; On(A) Und(B)	1 5
(106) Year Recon	1978	(028) Lanes; On(A) Und(B)	6 0 10
(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)	
(037) History	5	(044) Appr Orginal (A)	0 00 0
(319) Last Paint Date		Appr Reconst (B)	
GEOMETRIC DATA			
EXISTING		REVISED	
(032) Appr Rdway	136	FT IN	FT IN
(033) Bridge Median	3	(053) Vert Clr Above Deck	99 99
(034) Skew	12	(54A) Vert Clear Ref	N
(035) Flared	0	(54B) Vert Clear Right	0 0 0 0
(045) # Main Spans	3	(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	34		
(47A) Horz Clear Right	64	(55A) Lat Clear Ref	N
(47B) Horz Clear Left	72	(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	136	(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	3.99
(061) Channel	6	(065) Rating Method	8
(062) Culv Ret	7	(066) Inventory Rating	3.08
(071) Water Adeq	6	(411) Date Rated	03/2020
(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 11/2019 24 11/2021
(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: 2/16/2022	

Bridge Element Group Textual Data

Bridge ID: 32-1-00020-0-06-00

16 Feb 2022

Abutments and/or Headwalls:

No noteworthy defects in headwalls.

Bents and/or Piers:

10'x10' Triple Barrel Concrete Culvert

Hairline cracks, several with efflorescence and rust bleeding through and minor spalls, most have been patched in walls of culvert. Minor abrasions on walls at waterline. Water seeping through construction joints. Failed patch at outlet between barrels 1 and 2, 17" x 6" x 1". Barrel 1 has a 5" hole in outer wall and a 6" hole in inner wall, approximately 60' from inlet, have been patched.

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 roadway.

Curbs:

N/A

Bridge Railing/Parapets and/or Median Barriers:

Bridge and approach rail in place on I-20. No bridge or approach rail on frontage road.

Paint Systems:

N/A

Waterway and Scour:

Minor scour at inlet and outlet. Some debris/vegetation in the inlet.

Fender System:

N/A

Roadway Alignment:

No reduction in speed on I-20 necessary.

Traffic Signs:

1ea bridge end sign in place on I-20. 2ea bridge end signs on 1ea post on frontage road.

Encroachments:

N/A

Miscellaneous Notes:

BRIDGE ORIENTATION: Labeling diagram orientation is the same direction as the historic orientation of the bridge W-E

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

Bridge Inspected on 11/11/2021. Sunny 70 degrees.

BITL: Eric Beach, Collins Engineers, Inc.

Assistant(s): Jon Little, Mikayla Young, Douglas McLendon P.E.

Headwall to headwall is 260'.

Bridge Element Level Data

16 Feb 2022

<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	5	1	0	6
241	Efflorescence/Rust Staining	feet	3	1120	0	34	0	0	34
241	Cracking (RC and Other)	feet	3	1130	32	0	0	0	32
241	Abrasion/Wear (PSC/RC)	feet	3	1190	0	705	0	0	705
241	Scour	feet	3	6000	0	3	0	0	3
241	Reinforced Concrete Culvert	feet	3	Yes	32	747	1	0	780
330	Metal Bridge Railing	feet	1	No	68	0	0	0	68