SCDOT THE OFFICE OF BRIDGE MAINTENANCE

NATIONAL BRIDGE INVENTORY

IDENTIFICATION

(1) State Name- SOUTH CAROLINA — Code 454
(8) Structure Number # 0002720027800200 — Asset ID 1190
(5) Inventory Route (On/Under) — On - 121002780
(2) State Highway Department District 6
(3) County Code 53 — (4) Place Code
(6) Features Intersected BEAVERDAM CREEK #1
(7) Facility Carried US 278/GRAYS HWY
(9) Location 1MI S OF GRAYS
(11) Milepoint 5.853
(12) Base Highway Network - PART OF NET — Code 1
(13) LRS Inventory Route & Subroute 00US00278000
(16) Latitude Degrees Minutes Seconds
(17) Longitude Degrees Minutes Seconds
(98) Border Bridge State Code % SHARE %
(99) Border Bridge Structure No. #

STRUCTURE TYPE AND MATERIAL

(43) Structure Type Main: MATERIAL -
Type - Code
(44) Structure Type Main: MATERIAL -
Type - Code
(45) Number of Spans in Main Unit
(46) Number of Approach Spans
(107) Deck Structure Type - Code
(108) Wearing Surface / Protective System:
A) Type of Wearing Surface - Code
B) Type of Membrane - Code
C) Type of Deck Protection - Code

AGE AND SERVICE

(27) Year Built
(106) Year Reconstructed
(42) Type of Service On - HIGHWAY
Under - WATERWAY — Code 5
(28) Lanes: On Structure = 2 — Under Structure = 0
(29) Average Daily Traffic 2200
(30) Year of ADT 2023 — (109) Truck ADT 11 %
(19) Bypass, Detour Length 2.000 MI

GEOMETRIC DATA

(48) Length of Maximum Span FT
(49) Structure Length FT
(50) Curb or Sidewalk: Left FT Right FT
(51) Bridge Roadway Width Curb to Curb FT
(52) Deck Width Out to Out FT
(32) Approach Roadway Width (W/Shoulders) FT
(33) Bridge Median - Code
(34) Skew Deg — (35) Struture Flared
(10) Inventory Route Min Vert Clear FT IN
(47) Inventory Route Total Horz Clear FT
(53) Min Vert Clear Over Bridge Roadway FT IN
(54) Min Vert Underclear Ref - 0 FT IN
(55) Min Lat Underclear Right Ref - FT
(56) Min Lat Underclear Left FT

NAVIGATION DATA

(38) Navigation Control - Code
(111) Pier Protection - Code
(39) Navigation Vertical Clearance FT
(116) Vert-Lift Bridge Min Vert Clear FT
(40) Navigation Horizontal Clearance FT

Sufficiency Rating = 95.5
Functionally Obsolete = NO
Structurally Deficient = NO

CLASSIFICATION — Code

(112) NBIS Bridge Length - YES
(104) Highway System - NOT NHS 0
(26) Functional System - RURAL-MIN ART 3
(100) Strahnet Highway - NOT STRAH HWY 0
(101) Parallel Structure - NONE EXIST N
(102) Direction of Traffic - 2-WAY TRAFFIC 2
(103) Temporary Structure -
(105) Federal Lands Highways - N/A 0
(110) Designated National Network - NO 0
(20) Toll - ON FREE ROAD 3
(21) Maintain - SCDOT 1
(22) Owner - SCDOT 1
(37) Historical Significance -

CONDITION — Code

(58) Deck - NOT APPLICABLE N
(59) Superstructure - NOT APPLICABLE N
(60) Substructure - NOT APPLICABLE N
(61) Channel and Channel Protection - BNK PRT REPAIR 7
(62) Culverts - DETERIORATION 6

LOAD RATING AND POSTING — Code

(31) Design Load -
(64) Operating Rating -
(66) Inventory Rating -
(70) Bridge Posting -
(41) Structure Open, Posted or Closed - A
Description - OPEN, NO RESTRICT

APPRAISAL — Code

(67) Structure Evaluation - MEETS MIN TOLER LIMITS 4
(68) Deck Geometry 7
(69) Underclearances, Vertical and Horizontal N
(71) Waterway Adequacy 6
(72) Approach Roadway Alignment 8
(36) Traffic Safety Features NNNN
(113) Scour Critical Bridges - CALC SCOUR ABOVE FOOT 8

PROPOSED IMPROVEMENTS

(75) Type of Work - Code
(76) Length of Structure Improvement 21.8 FT
(94) Bridge Improvement Cost $0.00
(95) Roadway Improvement Costs $0.00
(96) Total Project Cost $0.00
(97) Year of Improvement Cost Estimate 2024
(114) Future AADT 3498
(115) Year of Future AADT 2043

INSPECTIONS

(90) Inspection Date 11/2023 — (91) Frequency 24 Mo
(92) Critical Feature Inspection: — (93) CFI Date
A) Fracture Crit Detail NO Mo A)
B) Underwater Insp NO Mo B)
C) Other Special Insp NO Mo C)

10/8/2024

THE OFFICE OF BRIDGE MAINTENANCE

NATIONAL BRIDGE INVENTORY

IDENTIFICATION

(1) State Name- SOUTH CAROLINA — Code 454
(8) Structure Number # 0002720027800300 — Asset ID 1191
(5) Inventory Route (On/Under) — On - 121002780
(2) State Highway Department District 6
(3) County Code 53 — (4) Place Code
(6) Features Intersected BEAVERDAM CREEK #2
(7) Facility Carried US 278
(9) Location 1MI S OF GRAYS
(11) Milepoint 5.863
(12) Base Highway Network - PART OF NET — Code 1
(13) LRS Inventory Route & Subroute 00US00278000
(16) Latitude Degrees Minutes Seconds
(17) Longitude Degrees Minutes Seconds
(98) Border Bridge State Code % SHARE %
(99) Border Bridge Structure No. #

STRUCTURE TYPE AND MATERIAL

(43) Structure Type Main: MATERIAL -
Type - Code
(44) Structure Type Main: MATERIAL -
Type - Code
(45) Number of Spans in Main Unit
(46) Number of Approach Spans
(107) Deck Structure Type - Code
(108) Wearing Surface / Protective System:
A) Type of Wearing Surface - Code
B) Type of Membrane - Code
C) Type of Deck Protection - Code

AGE AND SERVICE

(27) Year Built
(106) Year Reconstructed
(42) Type of Service On - HIGHWAY
Under - WATERWAY — Code 5
(28) Lanes: On Structure = 2 — Under Structure = 0
(29) Average Daily Traffic 2200
(30) Year of ADT 2023 — (109) Truck ADT 11 %
(19) Bypass, Detour Length 2.000 MI

GEOMETRIC DATA

(48) Length of Maximum Span FT
(49) Structure Length FT
(50) Curb or Sidewalk: Left FT Right FT
(51) Bridge Roadway Width Curb to Curb FT
(52) Deck Width Out to Out FT
(32) Approach Roadway Width (W/Shoulders) FT
(33) Bridge Median - Code
(34) Skew Deg — (35) Struture Flared
(10) Inventory Route Min Vert Clear FT IN
(47) Inventory Route Total Horz Clear FT
(53) Min Vert Clear Over Bridge Roadway FT IN
(54) Min Vert Underclear Ref - 0 FT IN
(55) Min Lat Underclear Right Ref - FT
(56) Min Lat Underclear Left FT

NAVIGATION DATA

(38) Navigation Control - Code
(111) Pier Protection - NAV PROT NOT REQ — Code 1
(39) Navigation Vertical Clearance FT
(116) Vert-Lift Bridge Min Vert Clear FT
(40) Navigation Horizontal Clearance FT

Sufficiency Rating = 40.2
Functionally Obsolete = NO
Structurally Deficient = YES

CLASSIFICATION

		Code
(112) NBIS Bridge Length -		YES
(104) Highway System	- NOT NHS	0
(26) Functional System	- RURAL-MIN ART	3
(100) Strahnet Highway	- NOT STRAH HWY	0
(101) Parallel Structure	- NONE EXIST	N
(102) Direction of Traffic	- 2-WAY TRAFFIC	2
(103) Temporary Structure	-	
(105) Federal Lands Highways	- N/A	0
(110) Designated National Network	- NO	0
(20) Toll	- ON FREE ROAD	3
(21) Maintain	- SCDOT	1
(22) Owner	- SCDOT	1
(37) Historical Significance	-	

CONDITION

		Code
(58) Deck	- NOT APPLICABLE	N
(59) Superstructure	- NOT APPLICABLE	N
(60) Substructure	- NOT APPLICABLE	N
(61) Channel and Channel Protection	- BANKS PROT	8
(62) Culverts	- INSIGNIFICANT DAMAGE	7

LOAD RATING AND POSTING

		Code
(31) Design Load	-	
(64) Operating Rating	-	
(66) Inventory Rating	-	
(70) Bridge Posting	-	
(41) Structure Open, Posted or Closed	-	A
Description	- OPEN, NO RESTRICT	

APPRAISAL

		Code
(67) Structure Evaluation	- INTOLERABLE; HIGH PRI REPL	2
(68) Deck Geometry		6
(69) Underclearances, Vertical and Horizontal		
(71) Waterway Adequacy		6
(72) Approach Roadway Alignment		8
(36) Traffic Safety Features		N000
(113) Scour Critical Bridges	- CALC SCOUR ABOVE FOOT	8

PROPOSED IMPROVEMENTS

		Code
(75) Type of Work	- REPLACE/LOAD CAPACITY	311
(76) Length of Structure Improvement		36.7 FT
(94) Bridge Improvement Cost		$113,000.00
(95) Roadway Improvement Costs		$28,000.00
(96) Total Project Cost		$170,000.00
(97) Year of Improvement Cost Estimate		2024
(114) Future AADT		3498
(115) Year of Future AADT		2043

INSPECTIONS

(90) Inspection Date 11/2023 — (91) Frequency 24 Mo
(92) Critical Feature Inspection: — (93) CFI Date

A) Fracture Crit Detail	NO	Mo	A)
B) Underwater Insp	NO	Mo	B)
C) Other Special Insp	NO	Mo	C)