

## IDENTIFICATION

(1)State Name-	SOUTH CAROLINA	Code	454
(8)Structure Number #	0004440007200400	Asset ID	365
(5)Inventory Route (On/Under)	On -		141000720
(2)State Highway Department District			4
(3)County Code	87	(4) Place Code	
(6)Features Intersected	COX CREEK		
(7)Facility Carried	SC 72		
(9)Location	1.0 MI E OF CARLISLE		
(11)Milepoint			11.683
(12)Base Highway Network -	PART OF NET	Code	1
(13)LRS Inventory Route & Subroute			00SC00072000
(16)Latitude	34 Degrees	35 Minutes	43.36 Seconds
(17)Longitude	81 Degrees	26 Minutes	31.17 Seconds
(98)Border Bridge State Code		% SHARE	%
(99)Border Bridge Structure No.		#	

## STRUCTURE TYPE AND MATERIAL

(43)Structure Type Main: MATERIAL - CONCRETE		
Type - SLAB	Code	101
(44)Structure Type Main: MATERIAL - OTHER OR N/A		
Type - OTHER OR N/A	Code	000
(45)Number of Spans in Main Unit		3
(46)Number of Approach Spans		0
(107)Deck Structure Type - CONCRETE CAST-IN-PLC	Code	1
(108)Wearing Surface / Protective System:		
A)Type of Wearing Surface - N/A	Code	N
B)Type of Membrane - N/A	Code	N
C)Type of Deck Protection - N/A	Code	N

## AGE AND SERVICE

(27)Year Built	1929
(106)Year Reconstructed	1956
(42)Type of Service On - HIGHWAY	
Under -WATERWAY	Code 5
(28)Lanes: On Structure = 2	Under Structure = 0
(29)Average Daily Traffic	3400
(30)Year of ADT 2021	(109)Truck ADT 27 %
(19)Bypass, Detour Length	1 MI

## GEOMETRIC DATA

(48)Length of Maximum Span	17	FT
(49)Structure Length	52	FT
(50)Curb or Sidewalk: Left .0 FT Right .0 FT		
(51)Bridge Roadway Width Curb to Curb	42.3	FT
(52)Deck Width Out to Out	44.3	FT
(32)Approach Roadway Width (W/Shoulders)	40	FT
(33)Bridge Median - NONE	Code	0
(34)Skew 0 Deg (35) Struture Flared		NO
(10)Inventory Route Min Vert Clear	99FT	99 IN
(47)Inventory Route Total Horz Clear	42.3	FT
(53)Min Vert Clear Over Bridge Roadway	99FT	99 IN
(54)Min Vert Underclear Ref - NOT HWY OR RXR	0FT	0 IN
(55)Min Lat Underclear Right Ref - NOT HWY OR RXR	.0	FT
(56)Min Lat Underclear Left	.0	FT

## NAVIGATION DATA

(38)Navigation Control - NONE	Code	0
(111)Pier Protection -	Code	
(39)Navigation Vertical Clearance		FT
(116)Vert-Lift Bridge Min Vert Clear		FT
(40)Navigation Horizontal Clearance		FT

**Sufficiency Rating** = 39.1  
**Functionally Obsolete** = NO  
**Structurally Deficient** = YES

## CLASSIFICATION

(112)NBIS Bridge Length -	YES
(104)Highway System - NHS	1
(26) Functional System - RURAL-PRIN ART-OTH	2
(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 - YES	1
(20)Toll - ON FREE ROAD	3
(21)Maintain - SCDOT	1
(22)Owner - SCDOT	1
(37)Historical Significance - NOT DETERMINABLE	4

### CONDITION

(58)Deck	- FAIR	5
(59)Superstructure	- FAIR	5
(60)Substructure	- FAIR	5
(61)Channel and Channel Protection	- BNK SLUMPING	6
(62)Culverts	- NOT APPLICABLE	N

## LOAD RATING AND POSTING

(31)Design Load	-H 15	2
(64)Operating Rating	-LRFR	3.24
(66)Inventory Rating	-LRFR	3.24
(70)Bridge Posting	-> 39.9% BELOW	0
(41) Structure Open, Posted or Closed -		P
Description	- POSTED FOR LOAD	

## APPRAISAL

(67) Structure Evaluation	- INTOLERABLE; HIGH PRI REPL	2
(68) Deck Geometry		6
(69) Underclearances, Vertical and Horizontal		N
(71) Waterway Adequacy		6
(72) Approach Roadway Alignment		8
(36) Traffic Safety Features		0000
(113) Scour Critical Bridges	- CALC SCOUR ABOVE FOOT	8

## PROPOSED IMPROVEMENTS

(75) Type of Work - REPLACE/LOAD CAPACITY	Code	311
(76) Length of Structure Improvement		75.2 FT
(94) Bridge Improvement Cost		\$251,000.00
(95) Roadway Improvement Costs		\$63,000.00
(96) Total Project Cost		\$377,000.00
(97) Year of Improvement Cost Estimate		2022
(114) Future AADT		5916
(115) Year of Future AADT		2041

## INSPECTIONS

<b>(90) Inspection Date</b> 09/2020		<b>(91) Frequency</b> 24 Mo	
<b>(92) Critical Feature Inspection:</b>		<b>(93) CFI Date</b>	
<b>A) Fracture Crit Detail</b>	NO	<b>Mo</b>	<b>A)</b>
<b>B) Underwater Insp</b>	NO	<b>Mo</b>	<b>B)</b>
<b>C) Other Special Insp</b>	YES	<b>Mo</b> 24	<b>C)</b> 5/1/2022