



(008) BRIDGE ID: 1420030101400
(420) ASSET NO: 1940
(419) RAMP NO:
(026) FUNCTIONAL CLASS: 04

(005) ROUTE: CLARENDON US 301
(006) CROSSING: BLACK SWAMP (NO. 4)
(009) LOCATION: 8MI N OF MANNING
(016) LAT: 33 d 49 m 3.00 s (017) LON: 80 d 6 m 27.00 s

GENERAL BRIDGE DATA

	EXISTING	REVISED
(027) Year Built	1953	
(106) Year Recon	0	
(031) Design Load	3	
(36A) Railings	0	
(36B) Transitions	0	
(36C) Appr Guard	1-	0
(36D) Appr Guard End	0	
(037) History	4	
(319) Last Paint Date		

	EXISTING			REVISED	
(042) Type Serv; On(A) Und(B)	1	5			
(028) Lanes; On(A) Und(B)	2	0			
(107) Deck Struct	1				
(108) Wear Surf/Membrane/Prot	6	8	8		
	MAT-SUP-SUB			MAT-SUP-SUB	
(043) Main Original (A)	2	01	7		
Main Reconst (B)					
(044) Appr Original (A)	0	00	0		
Appr Reconst (B)					

GEOMETRIC DATA

	EXISTING	REVISED
(032) Appr Rdway	42	
(033) Bridge Median	0	
(034) Skew	0	
(035) Flared	0	
(045) # Main Spans	8	
(046) # Appr Spans	0	
(048) Max Span Lgth	17	
(308) Appr Span Lgth	0	
(049) Struct Length	120	
(47A) Horz Clear Right	28	
(47B) Horz Clear Left	0	
(47UA) Horz Clear Right	0	
(47UB) Horz Clear Left	0	
(50B) Sidewalk Right	0	
(50A) Sidewalk Left	0	
(051) Curb to Curb	28	
(052) Deck Out-Out	33	

	EXISTING		REVISED	
	FT	IN	FT	IN
(053) Vert Clr Above Deck	99	99		
(54A) Vert Clear Ref	N			
(54B) Vert Clear Right	0	0		
(54C) Vert Clear Left	0	0		
(10A) Great Min Clr Over/Und	99	99		
(10B) Great Min Right	99	99		
(10C) Great Min Left	99	99		
(55A) Lat Clear Ref	N			
(55B) Lat Clear Right	99.9			
(55C) Lat Clear Left	0			
(038) Navigation Cont	0			
(039) Nav Vert Clear	0			
(040) Nav Horz Clear	0			
(111) Nav Pier Port				

RATINGS DATA

	EXISTING	REVISED
(58) Deck	7	6
(59) Super Str	7	6
(60) Sub Str	4	6
(061) Channel	7	4
(062) Culv Ret	N	
(071) Water Adeq	6	
(072) Appr Rdway	7	8
(113) Scour Critical	5	
(067) Structure	4	GEN
(068) Deck Geom	5	GEN
(069) Underclear	N	GEN
(070) Bridge Post	5	GEN

	EXISTING	REVISED
(041) Traffic Status	A	K
(063) Rating Method	2	
(064) Operating Rating	50	
(065) Rating Method	2	
(066) Inventory Rating	28	
(411) Date Rated		
(418) Conditions During Rating		
	Freq Mth/Year	Freq Mth/Year
(091, 090) Routine Insp	24 09/2013	09/2015
(92A, 93A) Fracture Critical	N	
(92B, 93B) Underwater Insp	N	
(92C, 93C) Special Insp	N	

Inspection Leader: Gerald W. Barnett
Date: 09-29-2015

Reviewed By: an
Date: 11/16/15
10-30-15

Roadway & Bridge closed

Bridge Element Group Textual Data

Bridge ID: 14-2-00301-0-14-00

14 Sep-2015



Abutments and/or Headwalls:

N/A

Bents and/or Piers:

6-SAT.: 4-TT PILES ENCASED IN CONCRETE PER BENT SPACED AT 8'4" WITH 10"X28" CONCRETE CAPS, EXCEPT BENT 5 HAS 18"X28" CONCRETE CAPS / MINOR CRACK IN CAP #8 OVER PILE #2.; HAIRLINE FLEXURE CRACKS IN ALL CAPS; MINOR DETER. ON PILE #3 ON BENT #3; LARGE DELAM. ON BENT CAP #5 B/W P2&3; LARGE SPALL W/ R/S EXPOSED;

Bearings:

NONE

Girders/Floor Beams/Stringers and/or Beams:

N/A

Truss Members:

N/A

Expansion Joints:

N/A

Decks and/or Slabs:

6-SAT.: 9" CONCRETE DECK WITH 3.5" OF ASPHALT SURFACING; 4 SPANS AT 17' AND 4 SPANS AT 13' / H.L. FLEXURE CRACKS ON UNDERSIDE OF SLABS

Curbs:

7: CONCRETE SAFETY CURB /

Bridge Railing/Parapets and/or Median Barriers:

6-SAT.: CONCRETE RAILING AND POSTS ACROSS BRIDGE WITH STANDARD "W" BEAM GUARDRAIL AND TIMBER POSTS ON APPROACHES / MINOR DETER. ON POST AND SPACER BLOCKS;

Paint System(s):

N/A

Waterway and Scour:

4-POOR: MINOR TO MAJOR SCOUR AT PILES AND BRIDGE ENDS; SEE PROFILE SHEET FOR GREATER DETAILS; IN NEED OF REPAIRS;

Fender System:

N/A

Roadway Alignment:

8-VERY GOOD: STRAIGHT ALIGNMENT;

Traffic Signs:

BRIDGE END PANELS ON ALL CORNERS /

Encroachments:

2 UTILITIES RT. C/L AND 1 UTILITY LT. C/L

Miscellaneous Notes:

LAT: N 33 49' 1.7"
LONG: W 80 6' 26.3"
HMMS# 1940

SPECIAL FLOOD INSPECTION COMPLETED ON 10-22-2015

BRIDGE DEFICIENCY

District	Work County	Asset Group	Type	Route	Structure
7	CLARENGON	BRIDGES	US	381	1940 - 20020101400-BLACK SWAMP (NO
Inspection Date	Type	Route	AUX	Milepoint	Direction
THURSDAY - OCT 22, 2015	US	381	30	30.88	W
On System Description					

Deficiency	Activity	Priority	Accomplishment Unit	Est. Work Quantity
807 - BRIDGE MAINTENANCE		C	PERSON HOURS	

Deficiency Comments

PLACE SLOPE PROTECTION UNDER END OF BRIDGE
STRUCTURE # 14-2-00301-0-14-00

Work Completion			
Date	District	Organization Unit	Comments

Work Inspection	
Work Inspection Date	Name of Inspector

Save	Selection	Prior Deficiency	Next Deficiency	New Record	Status	Print
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BRIDGE INSPECTION STREAM / GROUND PROFILE

BRIDGE NUMBER: 14-2-00301-0-14-00

ROAD NUMBER: US - 301

CROSSING: BLACK RIVER SWAMP

COMMENTS:

* = HEAVY VEGETATION UP TO TOP OF BRIDGE RAILING

TOP OF WATER TO TOP OF RAIL

HORIZONTAL BLOCKAGE (%) TO

VERTICAL BLOCKAGE (%)

TOP OF WATER = 12.4' AT BENT #3

	10/22/15	9/14/15	9/17/13	11/10/05	NORTH / SOUTH EAST / WEST LEFT ABUTMENT	11/10/05	9/17/13	9/14/15	10/22/15	
	5.6'	3.5'	3.3'	5.7'	9	5.3'	3.6'	3.7'	3.6'	
	10.5'	9.6'	8.7'	8.3'	8	8.8'	8.5'	9.2'	8.8'	
	17.0'	10.8'	10.7'	10.7'	7	7.8'	8.5'	8.2'	14.9'	
	15.0'	10.9'	10.6'	10.7'	6	10.9'	11.2'	11.3'	18.3'	
	11.5'	10.0'	10.0'	9.6'	5	13.0'	13.6'	*	15.4'	67'
	13.1'	13.0'	13.2'	13.2'	4	13.9'	14.0'	14.2'	14.1'	
	13.5'	13.2'	13.5'	13.5'	3	13.8'	13.8'	13.4'	13.8'	107'
	8.9'	9.6'	9.2'	9.1'	2	11.1'	10.3'	10.6'	10.9'	
	9.4'	4.4'	4.1'	4.3'	1	4.2'	3.7'	4.1'	5.1'	
FLOOD UPSTREAM	BASE				RIGHT ABUTMENT NORTH / <u>SOUTH</u> EAST / WEST	BASE				FLOOD DOWNSTREAM

G.B. & D.V. & R.J.
MEASUREMENT BY

10/22/2015
DATE MEASURED

9:30
TIME

MEASUREMENTS ARE FROM TOP OF RAIL TO GROUND LINE

