

(008) BRIDGE ID: 1420030101300
(420) ASSET NO: 1939
(419) RAMP NO:
(026) FUNCTIONAL CLASS: 04

(005) ROUTE: CLARENDON US 301
(006) CROSSING: BLACK RIVER (NO. 3)
(009) LOCATION: 8MI N OF MANNING
(016) LAT: 33 d 48 m 47.00 s (017) LON: 80 d 6 m 39.00 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	T	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	44	
(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	5	6
(061) Channel	5	04
(062) Culv Ret	N	
(071) Water Adeq	6	
(072) Appr Rdway	7	8
(113) Scour Critical	5	
(067) Structure	5	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	9/2015
(92A, 93A) Fracture Critical	N	
(92B, 93B) Underwater Insp	N	
(92C, 93C) Special Insp	N	

Inspection Leader: *Dwight W. Barnett*
Date: 9-29-2015

Reviewed By: *M. M.*
Date: 11/16/15

** Roadway & Bridge closed **

Bridge Element Group Textual Data

Bridge ID: 14-2-00301-0-13-00

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 / HAIRLINE FLEXURE CRACKS IN CAPS; LARGE SPALL W/ R/S EXPOSED ON BT CAP #5

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" OF ASPHALT SURFACING; 4 SPANS AT 17' AND 4 SPANS AT 13' / SPAN #4 HAS LARGE SPALL W/ R/S EXPOSED ANMD RANDOM H.L. CRACKING;

Curbs:

7: CONCRETE SAFETY CURB /

Bridge Railing/Parapets and/or Median Barriers:

6-SAT.: CONCRETE RAILING AND POSTS ACROSS BRIDGE WITH STANDARD "W" BEAM RAILING AND TIMBER POSTS ON APPROACHES / DUE TO MINOR DE3TER. ON POSTS AND SPACERS;

Paint System(s):

N/A

Waterway and Scour:

4-POOR: MAJOR TO SEVERE SCOUR AT PILES; LARGE AMOUNTS OF DEBRIS; SEE PROFILE SHEET FOR DETAILS;

Fender System:

N/A

Roadway Alignment:

8-VERY GOOD: STRAIGHT ALIGNMENT

Traffic Signs:

BRIDGE END PANELS ON APPRAOCHES /

Encroachments:

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

Miscellaneous Notes:

LAT: N 33 48' 46.1"
LONG: W 80 6' 39.4"
HMMS# 1939

SPECIAL FLOOD INSPECTION COMPLETED ON 10-22-2015

BRIDGE DEFICIENCY

District	Work County	Asset Group	Type	Route	Structure
7	CLARENDON	BRIDGES	US	301	1999 - 20030101300-BLACK RIVER (NO
Inspection Date	Type	Route	Alt.	Milepoint	Direction
THURSDAY - OCT 22, 2015	US	301	301	2.46	
Crt System Description					
Deficiency	Activity	Priority	Accomplishment Unit		Est. Work Quantity
B07 - BRIDGE MAINTENANCE		C	PERSON HOURS		
Deficiency Comments					
PLACE SLOPE PROTECTION UNDER BOTH ENDS OF BRIDGE STRUCTURE # 14-2-00301-0-13-00					
Work Completion					
Date	District	Organization Unit	Comments		
Work Inspection					
Work Inspection Date	Cleared	Name of Inspector			
	N				
Save	Selection	Prior Deficiency	Mark Deficiency	New Record	Status
					Default

BRIDGE INSPECTION STREAM / GROUND PROFILE					BRIDGE NUMBER: 14-2-00301-0-13-00					
					ROAD NUMBER: US - 301					
					CROSSING: BLACK RIVER SWAMP					
					TOP OF WATER TO TOP OF RAIL					
COMMENTS:					HORIZONTAL BLOCKAGE (%) TO					
					VERTICAL BLOCKAGE (%)					
TOP OF WATER = 16.5' AT BENT # 5										
	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	
	3.7'	3.5'	3.1'	3.6'	9	3.9'	3.5'	3.9'	3.7'	
	2.8'	7.8'	7.4'	7.1'	8	8.4'	8.5'	8.9'	8.7'	28'
	19.2'	13.3'	13.1'	13.0'	7	13.8'	13.1'	12.3'	21.8'	
	25.8'	17.3'	18.4'	16.3'	6	14.8'	14.6'	14.3'	25.4'	
	25.0'	18.1'	18.6'	20.2'	5	18.9'	17.1'	16.4'	25.1'	
	23.3'	15.4'	15.3'	19.0'	4	18.5'	16.9'	16.9'	22.5'	
	23.5'	16.4'	17.7'	18.4'	3	17.3'	14.7'	15.8'	22.1'	102'
	14.0'	13.3'	13.1'	13.7'	2	9.4'	9.3'	9.7'	15.0'	
	4.2'	5.8'	5.1'	6.3'	1	4.6'	4.0'	4.2'	4.2'	
FLOOD UPSTREAM					RIGHT ABUTMENT NORTH / SOUTH EAST / WEST	BASE FLOOD DOWNSTREAM				
<div> <div>G.B. & D.V. & R.J.</div> <div>MEASUREMENT BY</div> </div> <div> <div>10/22/2015</div> <div>DATE MEASURED</div> </div> <div> <div>10:30</div> <div>TIME</div> </div>										
MEASUREMENTS ARE FROM TOP OF RAIL TO GROUND LINE										



14-2-00301-0-13-00 Washing of Slope Protection under End of Bridge



14-2-00301-0-13-00 Scour of Streambed & Washing of Slope Protection under Beginning of Bridge

