



(008) BRIDGE ID: 1420030101100
(420) ASSET NO: 1938
(419) RAMP NO:
(026) FUNCTIONAL CLASS: 04

(005) ROUTE: CLARENDON US 301
(006) CROSSING: BLACK SWAMP (NO. 1)
(009) LOCATION: 8MI N OF MANNING
(016) LAT: 33 d 48 m 13.00 s (017) LON: 80 d 7 m 7.00 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	
(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		
(043) Main Original (A)	1	01	7		
Main Reconst (B)					
(044) Appr Original (A)	0	00	0		
Appr Reconst (B)					

GEOMETRIC DATA

	EXISTING	REVISED
(032) Appr Rdway	40	
(033) Bridge Median	0	
(034) Skew	0	
(035) Flared	0	
(045) # Main Spans	12	
(046) # Appr Spans	0	
(048) Max Span Lgth	17	
(308) Appr Span Lgth	0	
(049) Struct Length	180	
(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	5
(061) Channel	5	4
(062) Culv Ret	N	
(071) Water Adeq	6	
(072) Appr Rdway	7	8
(113) Scour Critical	2	
(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				
(091, 090) Routine Insp	Freq Mth/Year	24 09/2013	Freq Mth/Year	9/2015
(92A, 93A) Fracture Critical	N			
(92B, 93B) Underwater Insp	N			
(92C, 93C) Special Insp	N			

Inspection Leader: *Ronald W. Bonnett*
Date: 9-29-2015

Reviewed By: *17 su*
Date: 11/16/15
10-30-15

Bridge closed & Roadway

Bridge Element Group Textual Data

Bridge ID: 14-2-00301-0-11-00

14 Sep-2015



Abutments and/or Headwalls:

N/A

Bents and/or Piers:

5-FAIR: 13 BENTS SPACED AT 15' WITH 4-TT PILES ENCASED IN CONCRETE PER BENT SPACED AT 9'4" WITH 10"X28" CONCRETE CAPS, EXCEPT CAPS ON BENTS 5&9 ARE 18"X28" / SEPERATION OF CONCRETE ENCASEMENTS FROM PILES, AND FLEXURE CRACKS IN ALL CAPS; CAP #9 HAS NUMEROUS SPALLS W/ EXPOSED R/S;

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 4" OF ASPHALT SURFACING; 6 SPANS AT 17' AND 6 SPANS AT 13' / CRACKS ON EDGE OF SLAB LEFT OF C/L AT BENT #6; RANDOM CRACKING THROUGHOUT UNDERSIDE OF DECK SURFACE, WITH NO STAINING

Curbs:

6-SAT.: CONCRETE SAFETY / TRANS. CRACK IN CURBS;

Bridge Railing/Parapets and/or Median Barriers:

CONCRETE RAILING AND POSTS ACROSS BRIDGE WITH STANDARD "W" BEAM GUARDRAIL AND TIMBER POSTS ON TRANSITIONS AND APPROACHES HAVE METAL POST W/ "W" BEAM GUARDRAIL W/ END TREATMENTS /

Paint System(s):

N/A

Waterway and Scour:

4-POOR: / DUE TO MAJOR TO SEVERE SCOUR AT PILES (SEE PROFILE SHEET) LARGE AMOUNTS OF DEBRIS; LOSS OF RIPRAP; NEED 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 48' 11.7"
LONG: W 80 7' 8.2"
HMMS# 1938

SPECIAL FLOOD INSPECTION COMPLETED ON 10-22-2015

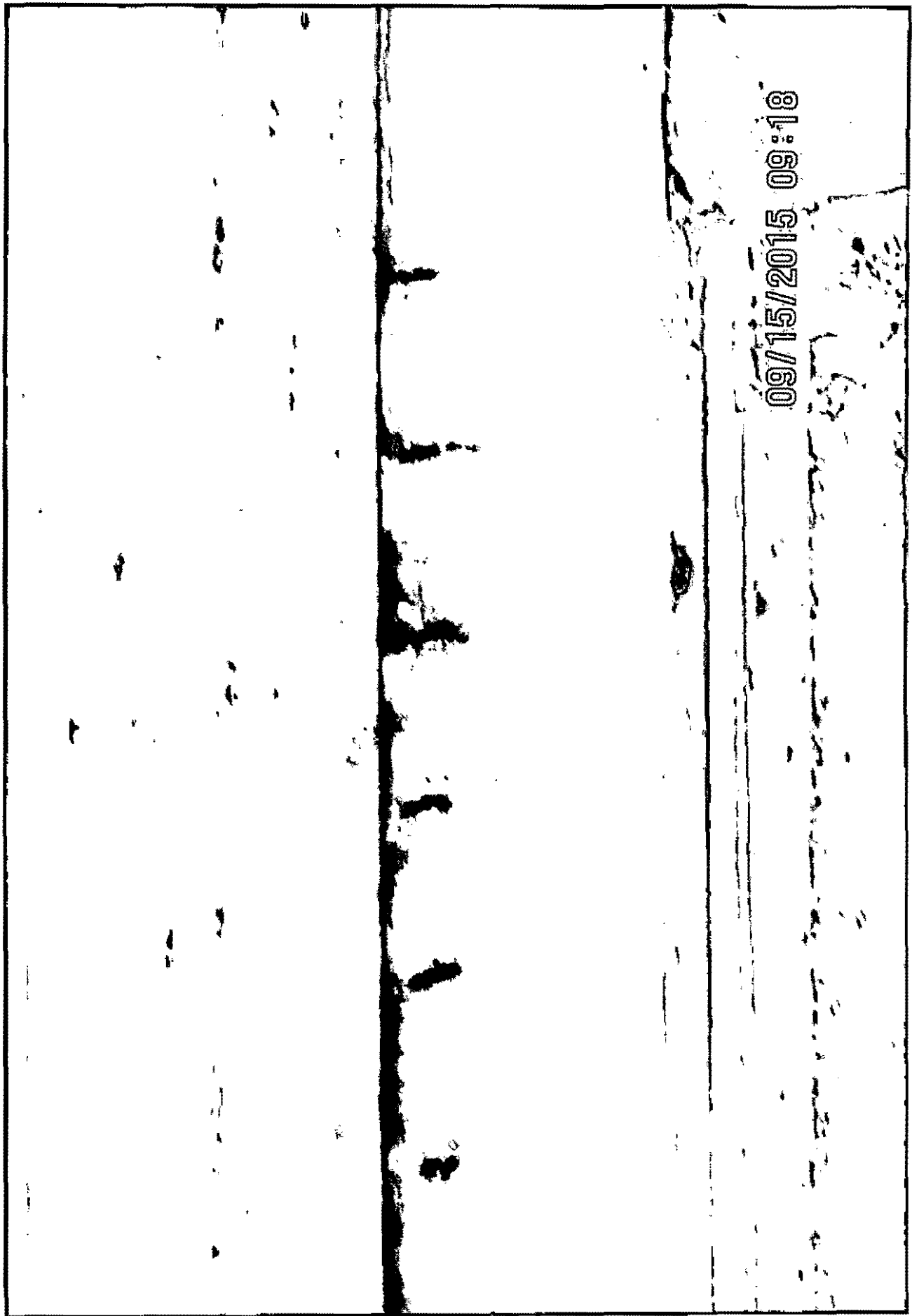
BRIDGE DEFICIENCY

Object	Work County	Asset Group	Type	Role	Structure
CLARENDON	BRIDGES	US	SOI	1502 - 2003010100-BLACK SWAMP RD	
Inspection Date	Type	Route	Asst	Mileage	Direction
THURSDAY - OCT 23, 2012					
Off System Description					
Deficiency	Activity	Priority	Account Number Unit	Est. Work Quantity	
ROT - BRIDGE MAINTENANCE		C	PERSON HOURS		
Delete only Comments					
REMOVE TREES FROM AROUND BRIDGE. PLACE SLOPE PROTECTION UNDER END OF BRIDGE. STRUCTURE # 16-3-00301-0-11-00					
Work Completion					
Date	Dist	Organization Unit	Comments		
Work Inspection					
Work Inspection Date	Cleared	Name of Inspector			
Save	Selection	Prior Deficiency	Paid Deficiency	New Record	Scale

BRIDGE INSPECTION STREAM / GROUND PROFILE					BRIDGE NUMBER: 14-2-00301-0-11-00					
					ROAD NUMBER: US - 301					
					CROSSING: BLACK RIVER SWAMP					
COMMENTS:					TOP OF WATER TO TOP OF RAIL					
* = UNABLE TO MEASURE DUE TO TREE ON BRIDGE					HORIZONTAL BLOCKAGE (%) TO					
					VERTICAL BLOCKAGE (%)					
TOP OF WATER = 15.6' AT BENT # 10										
	10/22/15	9/15/15	9/17/13	11/10/05	NORTH / SOUTH EAST / WEST LEFT ABUTMENT	11/10/05	9/17/13	9/15/15	10/22/15	
	6.4'	4.5'	4.0'	4.3'	13	3.7'	3.6'	3.6'	*	<div>21'</div> <div>↓</div>
	14.9'	9.9'	9.7'	8.7'	12	8.4'	8.3'	8.5'	12.1'	
	26.4'	16.5'	16.8'	18.1'	11	15.1'	16.0'	16.0'	23.1'	<div>52'</div> <div>↓</div>
	28.2'	17.8'	17.8'	18.7'	10	17.4'	17.6'	17.7'	26.6'	
	27.3'	15.6'	15.5'	15.5'	9	14.8'	14.5'	15.0'	26.3'	
	18.0'	14.4'	14.9'	15.1'	8	14.3'	14.3'	14.1'	21.8'	
	14.5'	14.5'	14.7'	14.3'	7	14.4'	14.4'	13.7'	14.4'	
	15.7'	13.6'	13.6'	13.5'	6	13.6'	13.6'	13.6'	15.1'	
	13.7'	14.0'	14.1'	13.8'	5	13.6'	13.8'	14.0'	15.0'	
	14.8'	14.0'	14.0'	13.8'	4	14.0'	14.0'	14.0'	14.3'	
	15.2'	13.0'	13.1'	13.1'	3	13.0'	13.3'	12.5'	14.7'	
	10.8'	10.9'	9.0'	9.7'	2	10.4'	10.7'	10.7'	10.4'	
	3.7'	4.0'	3.7'	4.4'	1	4.1'	3.9'	4.3'	4.5'	
FLOOD UPSTREAM		BASE		RIGHT ABUTMENT NORTH / SOUTH EAST / WEST		BASE		FLOOD DOWNSTREAM		
G.B. & D.V. & R.J.			10/22/2015			8:30				
MEASUREMENT BY			DATE MEASURED			TIME				
MEASUREMENTS ARE FROM TOP OF RAIL TO GROUND LINE										



14-2-00301-0-11-00 2015 General View of Substructure



14-2-00301-0-11-00 2015 Numerous Spalls With Reinforcing Steel Exposed on Cap 9

