NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE ISSUED
SKETCHES UPDATED
SIGN NOTICE ISSUED

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: AVERY **STRUCTURE NUMBER:** 050031 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1545 **MILE POST:**

LOCATION: 0.1 MI.N.JCT.US221,NC281

FEATURE INTERSECTED: GRANDMOTHER CREEK

LATITUDE: 36° 3' 12.61" **LONGITUDE:** 81° 52' 50.55"

SUPERSTRUCTURE: SINGLE 28'X14'RC SPANDREL FILLED ARCH;99'-4 ALONG C/L CULV.

SUBSTRUCTURE:

39.6' ALONG CENTERLINE OF ROADWAY
SPANS:

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

PRESENT CONDITION: Poor **INSPECTION DATE:** 06/05/2017

POSTED SV: Not Posted **POSTED TTST:** Not Posted

OTHER SIGNS PRESENT: NONE

south approach looking north

Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
YES	**DELINEATORS**	4
NO	**NARROW BRIDGE**	0
NO	**ONE LANE BRIDGE**	0
NO	**LOW CLEARANCE**	0

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
WILLIAM C MITCHELL	William C Mitchell	HECTOR BONILLA

Structure Element Scoring

Structure Number: **050031**

Inspection Date **6/5/2017**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
241	0	Reinforced Concrete Culvert	Culverts and Pipes	100	0	19	81	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **050031** Inspection Date: **06/05/2017**

MMS Code	Element Name	Defect Name	Recommended Quantity
3370	Reinforced Concrete Culvert	Delamination/Spall	3 Feet
3370	Reinforced Concrete Culvert	Efflorescence/Rust Staining	48 Feet
3370	Reinforced Concrete Culvert	Cracking (RC and Other)	30 Feet
3370	Reinforced Concrete Culvert	Abrasion/Wear (PSC/RC)	100 Feet

Element Structure Maintenance Quantities

Structure Number: **050031** Inspection Date **06/05/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Culverts and Pipes	3370	Maintenance of NBI Culverts and Pipes	181	100	0	81	19	0

Element Condition and Maintenance Data

Structure Number: **050031** Inspection Date: **06/05/2017**

Span 1 Culvert Section 1

Concrete Arch Culvert

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
241	Reinforced Concrete Culvert	100	0	19	81	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
241	Cracking (RC and Other)	south wall near top at west end, (2) horizontal cracks (up to 30ft x up to 1/4in)	3	30	30	Feet
241	Delamination/Spall	east headwall along northside, spall (16ft x 18in x up to 1ft) with exposed rusted rebar extends into culvert	3	1	1	Feet
241	Delamination/Spall	west headwall along southside, spall (18ft x 30in x up to 16in) with exposed rusted rebar extends into culvert	3	2	2	Feet
241	Efflorescence/Rust Staining	near top of north wall, (2) longitudinal cracks (24ft x up to 1/4in) at east end	3	24	24	Feet
241	Efflorescence/Rust Staining	north wall at east end of barrel 1, cracking (12ft x up to 1/8in) with efflorescence	3	12	12	Feet
241	Efflorescence/Rust Staining	south wall at west end of barrel 1, cracking (12ft x up to 1/8in) with efflorescence	3	12	12	Feet
241	Abrasion/Wear (PSC/RC)	south footing at waterline, abrasion (full length) with exposed aggregate	2	19	100	Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Culvert Section 1	Concrete Arch Culvert	Reinforced Concrete Culvert	100

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 050031 **Inspection Date:** 06/05/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**N**
Item 59: Superstructure	0 - 9 , N	**N**
Item 60: Substructure	0 - 9 , N	**N**
Item 61: Channel and Channel Protection	0 - 9 , N	**5**
Item 62: Culvert	0 - 9 , N	**4**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Headwall	G, F, P, or C	**P**	**80**	**4675**
Wingwall	G, F, P, or C	**F**	**75**	**3350**
Scour	G, F, P, or C	**G**		
Drift	G, F, P, or C	**G**	**0**	**3366**
Estimated Remaining Life	G, F, P, or C	**15**		

Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	**Y**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**6**
Traffic Control Time	Hours	**0**
Snooper Time	Hours	**0**
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 050031 **Inspection Date:** 06/05/2017

Item	Channel and Channel Protection - Item 61	**Grade**	5	**Maint Code**		**Qty.**	0
Details	stream enters culvert at 45 degree angle						

Item	Culvert - Item 62	**Grade**	4	**Maint Code**		**Qty.**	0
Details	spalls on the headwalls (up to 18ft x 30in x 16in) with exposed main reinforcing. spalls extend into culvert up to 2ft						

Item	Approach Roadway Alignment - Item 72	**Grade**	8	**Maint Code**		**Qty.**	0
Details	northbound lane over culvert, (2) longitudinal cracks (full length x up to 1/8in) southbound lane over culvert, (5) tranverse cracks (12ft x up to 1/8in)						

Item	Drainage System	**Grade**	F	**Maint Code**	3332	**Qty.**	8
Details	south wall at west end, partially clogged weep drains (all weep drains on south wall similar)						

Item	Headwalls	**Grade**	P	**Maint Code**	4675	**Qty.**	80
Details	east headwall at south end, spall (10in x 5in x up to 4in) east headwall at south end, multiple diagonal cracks (up to 10ft x hairline) (west similar) east headwall along northside, spall (16ft x 18in x up to 1ft) with exposed rusted rebar west headwall at north wall, spall (20in x 14in x 4-1/2in) with exposed rusted rebar west headwall along southside, spall (18ft x 30in x up to 16in) with exposed rusted rebar						

Item	Wingwalls	**Grade**	F	**Maint Code**	3350	**Qty.**	75
Details	southeast wingwall, multiple diagonal cracks (up to 6ft x hairline) (northwest and southwest wingwalls similar) southeast wingwall, spall (4in x 1ft x up to 2in) northeast wingwall at midpoint, vertical crack (5ft x hairline) with efflorescence northeast wingwall, rotated west (up to 1-1/2in) southwest wingwall, spall (13ft x up to 1ft x up to 1in) with adjacent delamination (13ft x up to 1ft)						

northbound lane over culvert, (2) longitudinal cracks (full length x up to 1/8in)

southbound lane over culvert, (5) tranverse cracks (12ft x up to 1/8in)

southeast wingwall, multiple diagonal cracks (up to 6ft x hairline)

southeast wingwall, spall (4in x 1ft x up to 2in)

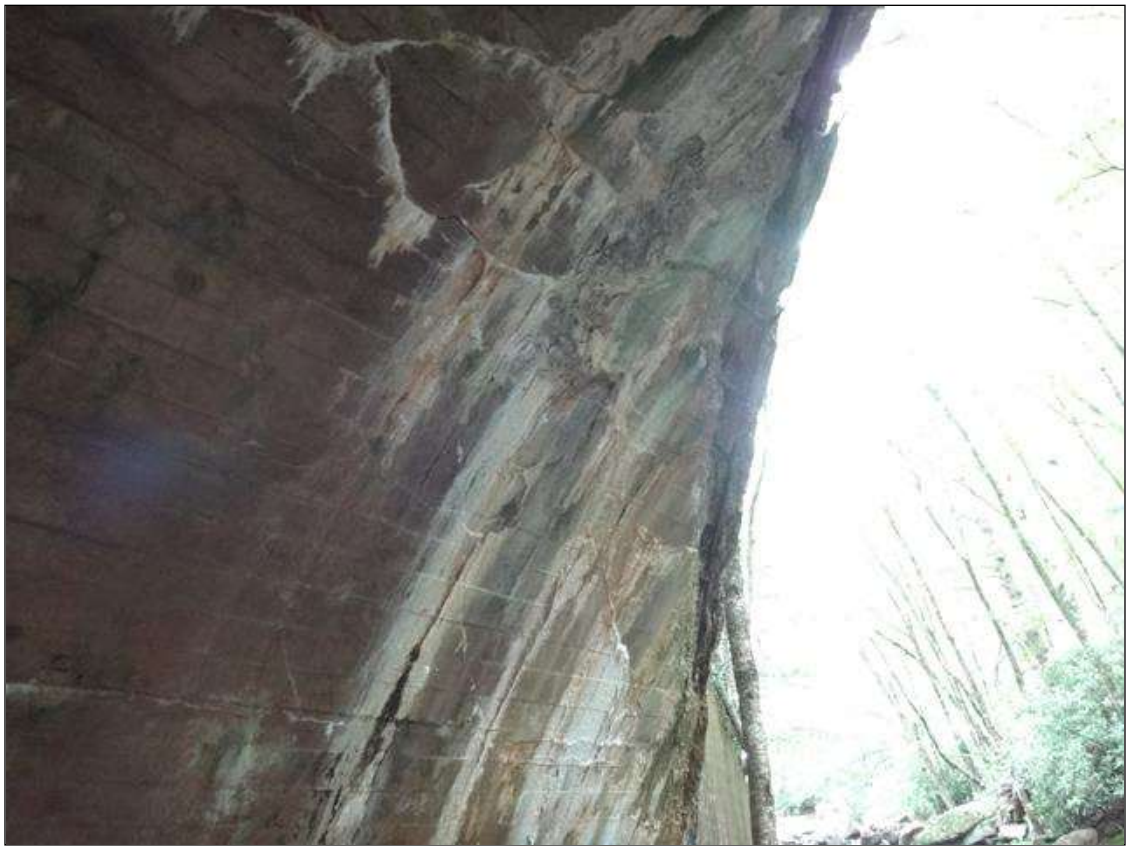
east headwall at south end, spall (10in x 5in x up to 4in)

east headwall at south end, multiple diagonal cracks (up to 10ft x hairline)

northeast wingwall at midpoint, vertical crack (5ft x hairline) with efflorescence

northeast wingwall, rotated west (up to 1-1/2in)

east headwall along northside, spall (16ft x 18in x up to 1ft) with exposed rusted rebar



Barrel 1 Section 1: north wall at east end of barrel 1, cracking (12ft x up to 1/8in) with efflorescence

Barrel 1 Section 1: near top of north wall, (2) longitudinal cracks (24ft x up to 1/4in) at east end

west headwall at north side, spall (20in x 14in x 4-1/2in) with exposed rusted rebar

west headwall, (3) spalls (up to 24in x 6in x up to 5in)

Barrel 1 Section 1: south wall at west end of barrel 1, cracking (12ft x up to 1/8in) with efflorescence

west headwall along southside, spall (18ft x 30in x up to 16in) with exposed rusted rebar

southwest wingwall, spall (13ft x up to 1ft x up to 1in) with adjacent delamination (13ft x up to 1ft)

Barrel 1 Section 1: south wall near top at west end, (2) horizontal cracks (up to 30ft x up to 1/4in)

south footing at waterline, abrasion (full length) with exposed aggregate

south wall at west end, partially clogged weep drain

north approach looking south

south approach looking north

northeast wingwall

looking upstream, east

southeast wingwall

barrel 1

upstream profile looking west

southwest wingwall

northwest wingwall

looking downstream, west

downstream profile looking east

asphalt wearing surface over culvert

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 06/04/2018

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **050031**
(8) STRUCTURE NUMBER(FEDERAL) 000000000110031
(5) INVENTORY ROUTE (ON/UNDER) - ON 31015450
(2) STATE HIGHWAY DEPARTMENT DISTRICT 2
(3) COUNTY CODE 11 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - GRANDMOTHER CREEK
(7) FACILITY CARRIED SR1545
(9) LOCATION 0.1 MI.N.JCT.US221,NC281
(11)MILEPOINT 0
(16)LAT 36° 3' 12.61" (17)LONG 81° 52' 50.55"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Concrete
TYPE - Culverts (includes frame culverts) CODE 119
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 1
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - N 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 1941
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 1100
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 3 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 28 FT
(49) STRUCTURE LENGTH 40 FT
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 0 FT
(52) DECK WIDTH OUT TO OUT 0 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 22 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 45° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 22 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 65.08
STATUS = Structurally Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
(20) TOLL On Free Road 3
(31) MAINTAIN - State Highway Agency 01
(22) OWNER - State Highway Agency 01
(37) HISTORICAL SIGNIFICANCE - Not Eligible 5

CONDITION — CODE

(58) DECK N
(59) SUPERSTRUCTURE N
(60) SUBSTRUCTURE N
(61) CHANNEL & CHANNEL PROTECTION 5
(62) CULVERTS 4

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD H 15 2
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-35 63
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-15 27
(70) BRIDGE POSTING - No Posting Required 5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED A
DESCRIPTION - Open, No Restriction

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 4
(68) DECK GEOMETRY N
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 1NNN
(113)SCOUR CRITICAL BRIDGES 8

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 2200 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 06/05/2017
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 06/04/2018

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
AVERY	11	2	050031	40 FEET

ROUTE CARRIED : SR1545

FEATURE INTERSECTED : GRANDMOTHER CREEK

LOCATED : 0.1 MI.N.JCT.US221,NC281

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	1100 2012	LT 0 RT 0

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1941	SHPWC			H 15

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	45	ON 2 UNDER 0

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT	29 FT	2 FT

SUPERSTRUCTURE : SINGLE 28'X14'RC SPANDREL FILLED ARCH;99'-4 ALONG C/L CULV.

SUBSTRUCTURE :

SPANS :

BEAMS OR GIRDERS :

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
		0 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
0 FT	0 FT	LT 0 FT RT 0 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		
HS-15	HS-35		SV	TTST	DATE

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 050031 County AVERY Date: 06/05/2017

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3370	Maintenance and Repair of NBIS Pipes and Culverts	LF	16	EAST HEADWALL ALONG NORTHERN HALF OF SPANDREL, SPALL (16FT X 18IN X UP TO 1FT) WITH EXPOSED RUSTED REBAR	
3370	Maintenance and Repair of NBIS Pipes and Culverts	LF	2	WEST HEADWALL AT NORTH WALL, SPALL (20IN X 14IN X 4-1/2IN) WITH EXPOSED RUSTED REBAR	
3370	Maintenance and Repair of NBIS Pipes and Culverts	LF	18	WEST HEADWALL ALONG SOUTHERN HALF OF SPANDREL, SPALL (18FT X 30IN X UP TO 16IN) WITH EXPOSED RUSTED REBAR	
3370	Maintenance and Repair of NBIS Pipes and Culverts	LF	12	Barrel 1 Section 1: north wall at east end of barrel 1, cracking (12ft x up to 1/8in) with efflorescence	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 050031 County AVERY

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3370	Maintenance and Repair of NBIS Pipes and Culverts	16 LF

Location:		
Pipe	Bent/Span No. 1	HEADWALL

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

Submitted Date:	Submitted By:	Assisted By:
06/05/2017	WILLIAM MITCHELL	PARKER GUFFEY

Details

EAST HEADWALL ALONG NORTHERN HALF OF SPANDREL, SPALL (16FT X 18IN X UP TO 1FT) WITH EXPOSED RUSTED REBAR

MMS Code	MMS Description	Quantity
3370	Maintenance and Repair of NBIS Pipes and Culverts	2 LF

Location:		
Pipe	Bent/Span No. 1	HEADWALL

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

Submitted Date:	Submitted By:	Assisted By:
06/05/2017	WILLIAM MITCHELL	PARKER GUFFEY

Details

WEST HEADWALL AT NORTH WALL, SPALL (20IN X 14IN X 4-1/2IN) WITH EXPOSED RUSTED REBAR

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 050031 County AVERY

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3370	Maintenance and Repair of NBIS Pipes and Culverts	18 LF

Location:		
Pipe	Bent/Span No. 1	HEADWALL

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

Submitted Date:	Submitted By:	Assisted By:
06/05/2017	WILLIAM MITCHELL	PARKER GUFFEY

Details

WEST HEADWALL ALONG SOUTHERN HALF OF SPANDREL, SPALL (18FT X 30IN X UP TO 16IN) WITH EXPOSED RUSTED REBAR

MMS Code	MMS Description	Quantity
3370	Maintenance and Repair of NBIS Pipes and Culverts	12 LF

Location:	
	Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
06/05/2017	WILLIAM MITCHELL	

Details

Barrel 1 Section 1: north wall at east end of barrel 1, cracking (12ft x up to 1/8in) with efflorescence

EAST HEADWALL ALONG NORTHERN HALF OF SPANDREL, SPALL (16FT X 18IN X UP TO 1FT) WITH EXPOSED RUSTED REBAR

WEST HEADWALL AT NORTH WALL, SPALL (20IN X 14IN X 4-1/2IN) WITH EXPOSED RUSTED REBAR

WEST HEADWALL ALONG SOUTHERN HALF OF SPANDREL, SPALL (18FT X 30IN X UP TO 16IN) WITH EXPOSED RUSTED REBAR

Culvert Segment Details

Barrel 1 Has Bands?: No Distance From Upstream End to Edge of Pavement: 25ft

	Distance From Upstream End of Segment (ft)	Width (ft)	Height (ft)	Pipe Thickness (in)	Corrugation Pattern	Leg Length (ft)	Top Radius (ft)	Bolt Material	Bolt Diameter (in)	# of Long. Bolt Rows	Transverse Spacing b/w Bolt Rows (ft)	Longitudinal Bolt Spacing (ft)	Bolt Condition	Rib Length (ft)	Rib Spacing (ft)	Type	Material
Upstream End	0	28	14													Arch	Concrete
Downstream End	99.333	28	14													Arch	Concrete

Bridge Inspection Field Sketch

Roadway	22ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	*4ft Wide		*4ft Unpaved
Left Guardrail			
Right Guardrail			

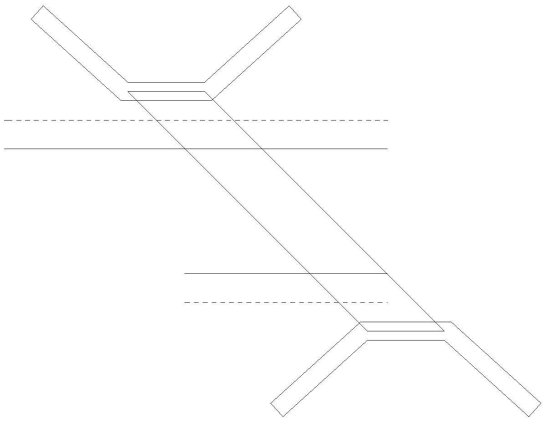
NOTE: MEASUREMENTS TAKEN APPROXIMATELY 35FT FROM BARREL 1

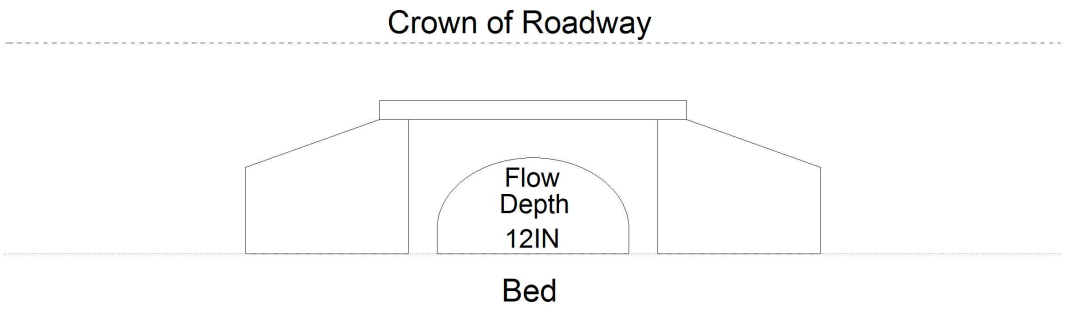
*REVISED BY: H. BONILLA 6/05/2017

Title	**Description**
APPR. ROADWAY	APPROACH ROADWAY

Bridge No: 050031	**Drawn By:** G.R.R.	**Date:** 06/21/2005	**File Name:** S0130000115

Bridge Inspection Field Sketch





Looking Downstream

Number of Barrels	Skew	Distance From Crown to Bed	Fill Depth
1	45°	29ft	15ft
Length Along Center Line of Pipe		Length Along Center Line of Roadway	
99.333ft		*39.6ft	

Barrel #	Width	Height	Distance From Previous Pipe	Scour at Inlet	Scour at Outlet	Type
1	28ft	14ft		0ft	0ft	Arch

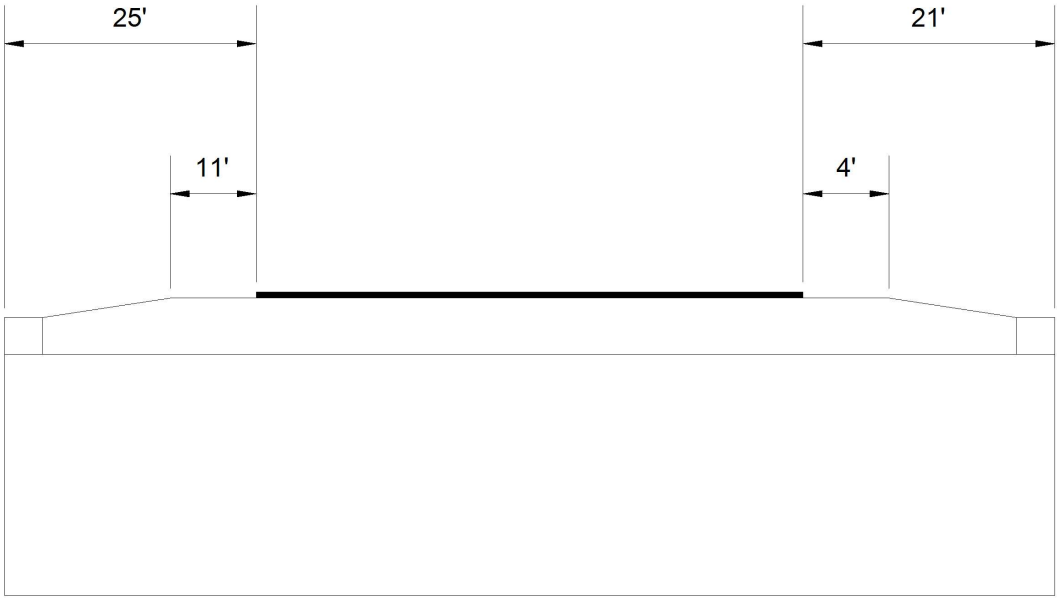
NOTE: FLOW DEPTH VARIES THROUGHOUT CULVERT

*REVISED BY: H. BONILLA 6/05/2017

Title	**Description**		
CULVERT	ARCH		
Bridge No: 050031	**Drawn By:** DCW	**Date:** 06/20/2007	**File Name:** S0126001598

Bridge Inspection Field Sketch

ITEM 36A OVER CULVERT		
SPEED LIMIT	45 MPH	
	LEFT	RIGHT
EOP TO RAIL	N/A	N/A
EOP TO NATURAL BREAK	11 FT	4 FT
EOP TO HEADWALL	25 FT	21 FT



Title	Description		
ITEM 36A	DATA WORKSHEET		
Bridge No: 050031	**Drawn By:** H. BONILLA	**Date:** 6/05/2017	**File Name:** T0574000031