

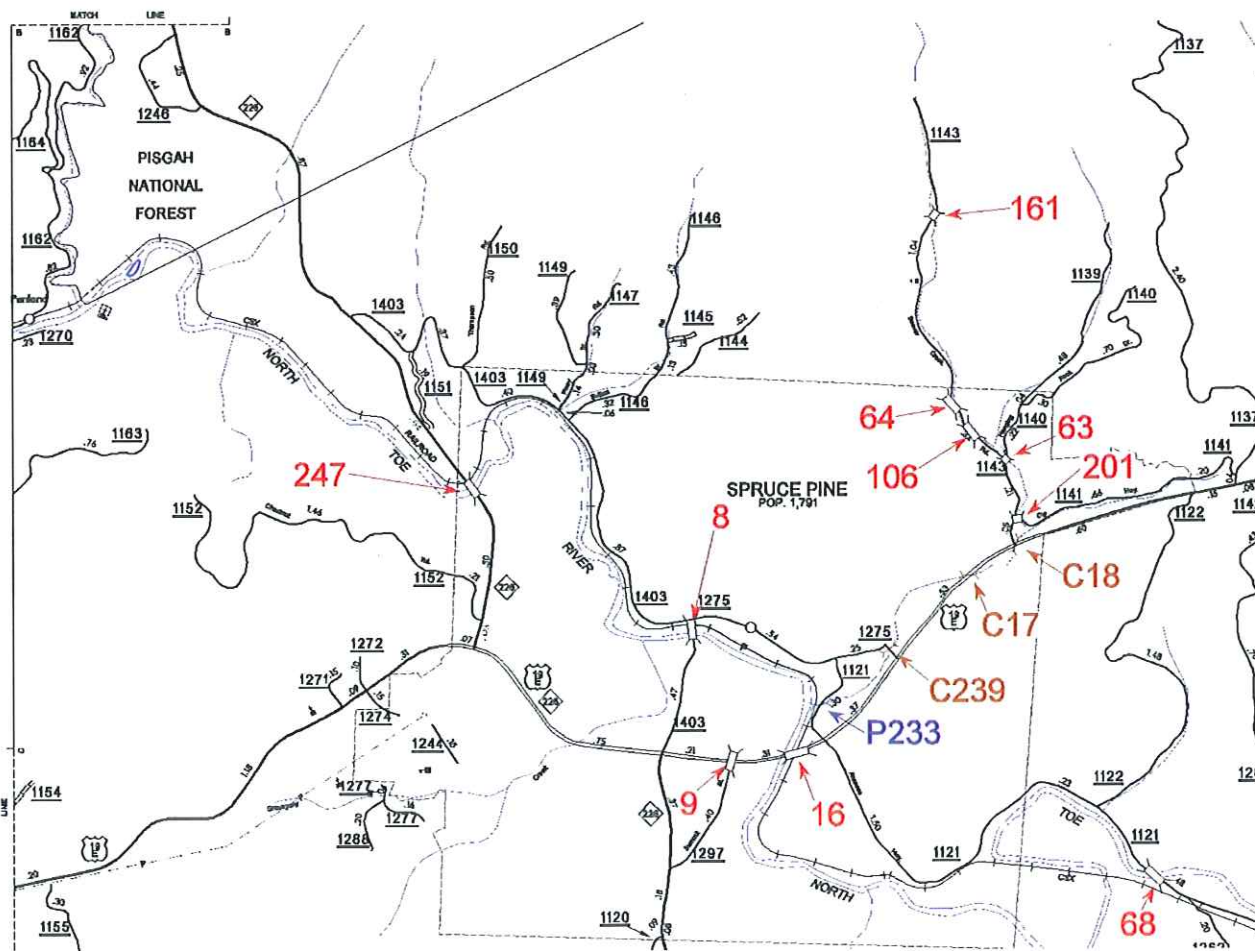
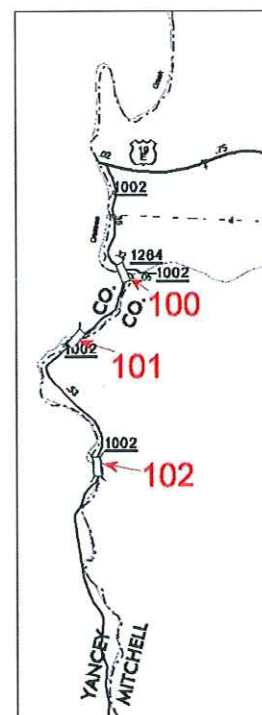
Office Estimate	<u>65' Bridge</u>	Project#	<u> </u>
MOA Required	<u>No</u>	TIP#	<u> </u>
		Let Date	<u> </u>
	PREDESIGN-PRESURVEY REPORT	WBS#	<u>17BP.13.R.64</u>
		Bridge#	<u>600049</u>
County	<u>Mitchell</u>	Road#	<u>SR 1206</u>
		Name	<u>Stagger Weed Rd.</u>
		Stream	<u>Cane Creek</u>
Type Of Request: POC	Force Account	TIP	NCMA
Date	<u>8/12/11</u>	Name	<u>MLH (Mulkey, Inc.)</u>
Checked By	<u>KBA (Mulkey, Inc.)</u>	Assigned To	<u>Mulkey, Inc.</u>
Prior Survey Date	<u> </u>		(attach copy of prior survey)
Study By Scour Section	<u>S; 7/8/2010</u>		
Flood Zone	<u>N/A</u>	Detail Study	<u>N/A</u>
B.M. Info	<u>N/A</u>	Date	<u>N/A</u>
Quad Map	<u>Carvers Gap</u>	Drainage Area	<u>3.3 Sq. Mi.</u>
	<u>Q25 950 cfs</u>	<u>Q50 1100 cfs</u>	<u>Q100 1400 cfs</u>
		Panel#	<u>Panel N/A 0884</u>
		From	<u>USGS Quad Map</u>
		Method	<u>USGS Regression</u>

EXISTING BRIDGE INFORMATION

Location	<u>0.02 Mi. S. Jct. SR 1211</u>		
Average Daily Traffic	<u>430 - Yr. 2008</u>		
Length	<u>21 Ft.</u>	Bed- To Crown	<u>7 Ft.</u>
Type Structure	<u>Timber Floor On timber Joists; E. BTS: Timber Caps/Timber Post & Sills</u>		
Type Spans	<u>1@20'-6</u>		
Upstream Structure	<u>P152/119x81 CM PIPE ARCH</u>		
Location	<u>0.02 Mi. S. Jct. SR 1211</u>		
Bed- To Crown	<u>12 Ft.</u>	Prior Survey	<u>N/A</u>
Downstream Structure	<u>N/A</u>		
Location	<u> </u>		
Bed- To Crown	<u> </u>	Prior Survey	<u> </u>
SCS Watershed	<u>N/A</u>		

ENVIRONMENTAL

Trout Stream	<u>Yes</u>	Anadromous Fish	<u>No</u>	Primary Nursery Area	<u>No</u>
High Quality Waters	<u>No</u>	Nutrient Sensitive Waters	<u>No</u>		
Near Water Supply Intake	<u>No</u>	CAMA County	<u>No</u>		
Stream Classification	<u>C;Tr</u>				
DENR River Basin Info.	<u>French Broad</u>				
State Stormwater Permit Required	<u>No</u>				





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY MITCHELL

BRIDGE NUMBER 600049

INSPECTION CYCLE 2 YRS

ROUTE SR1206

ACROSS CANE CREEK

M.P. 0

LOCATION .02 MI.S.JCT.SR1211

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIM.CAPS/TIM.POST&SILLS @ VAR.CENTERS

SPANS 1@20'-6

LONGITUDE 82° 5' 30.4"

LATITUDE 36° 1' 6.1"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 01/07/2010

OPERATING RATING

PRESENT POSTING SV 12 TTST 20

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT Delineators



NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

No	WEIGHT LIMIT	
No	DELINEATORS	
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

Run Date: 03/15/2010

COUNTY : MITCHELL	DIV : 13	DIST : 1	STRUCTURE NUMBER : 600049	LENGTH : 21 FEET
ROUTE CARRIED : SR1206		FEATURE INTERSECTED : CANE CREEK		
LOCATED : .02 MI.S.JCT.SR1211		BRIDGE NAME :		
FUNC. CLASS : 09	SYST.ON : NFA	SYST.UNDER : NFA	ADT & YR : 430 2008	RAIL TYPE : LT 227 RT 227
BUILT : 1961	BY : BMU	PROJ :	FED.AID PROJ :	DESIGN LOAD : Other or Unknown
REHAB :	BY :	PROJ :	ALIGNMENT : TAN 90	LANES : ON 2 UNDER
NAVIGATION : VC 0.0 FT HC 0.0 FT		HT. CRN. TO BED : 7 FT		WATER DEPTH : 1 FT
SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS				
SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.POST&SILLS @ VAR.CENTERS				
SPANS : 1@20'-6				
BEAMS OR GIRDERS : 10 LINES 6X14 TIMBER JOISTS @ 2'CENTERS				
FLOOR : 4X8 TIM/2.5 AWS	ENCROACHMENT :		DECK (OUT TO OUT) : 20.1 FT	
CLEAR ROADWAY : 19.1 FT	BETWEEN RAILS : 19.8 FT		SIDEWALK OR CURB : LT 0.3 FT RT 0.3 FT	
VERT.CL.OVER : 99 FT 99 IN	VERT.CL.UNDER : 00 FT 00 IN		HOR.CL.UNDER : 0.0 FT	
INV.RTG. : HS-6	OPE.RTG. : HS-9	CONTR.MEMBER : Int.jsts	POSTED : SV 8 TTST 14 DATE 03/15/2010	
SYSTEM : Secondary S.R. Route			GREEN LINE ROUTE : N	
2ND OPENING :		3RD OPENING :		4TH OPENING : 5TH OPENING :
REMARKS :				

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 600049 County: MITCHELL Date: 01/07/2010 By: RWS

Record sounding from top of rail. Other location if needed:

Distance from Highwater Mark to top of rail: Location of Highwater Mark:

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.7				
0.3	2.7				
0.3	4.5				
1.2	4.5				
1.2	8.6				
5.2	9.5	Water Surface/Water Edge (WSWE)			
11.2	9.9				
15.2	9.7				
19.199	9.6				
19.2	9.5	Water Surface/Water Edge (WSWE)			
19.201	4.5				
20.2	4.5				
20.201	2.7				
20.5	2.7				

Bridge: 600049

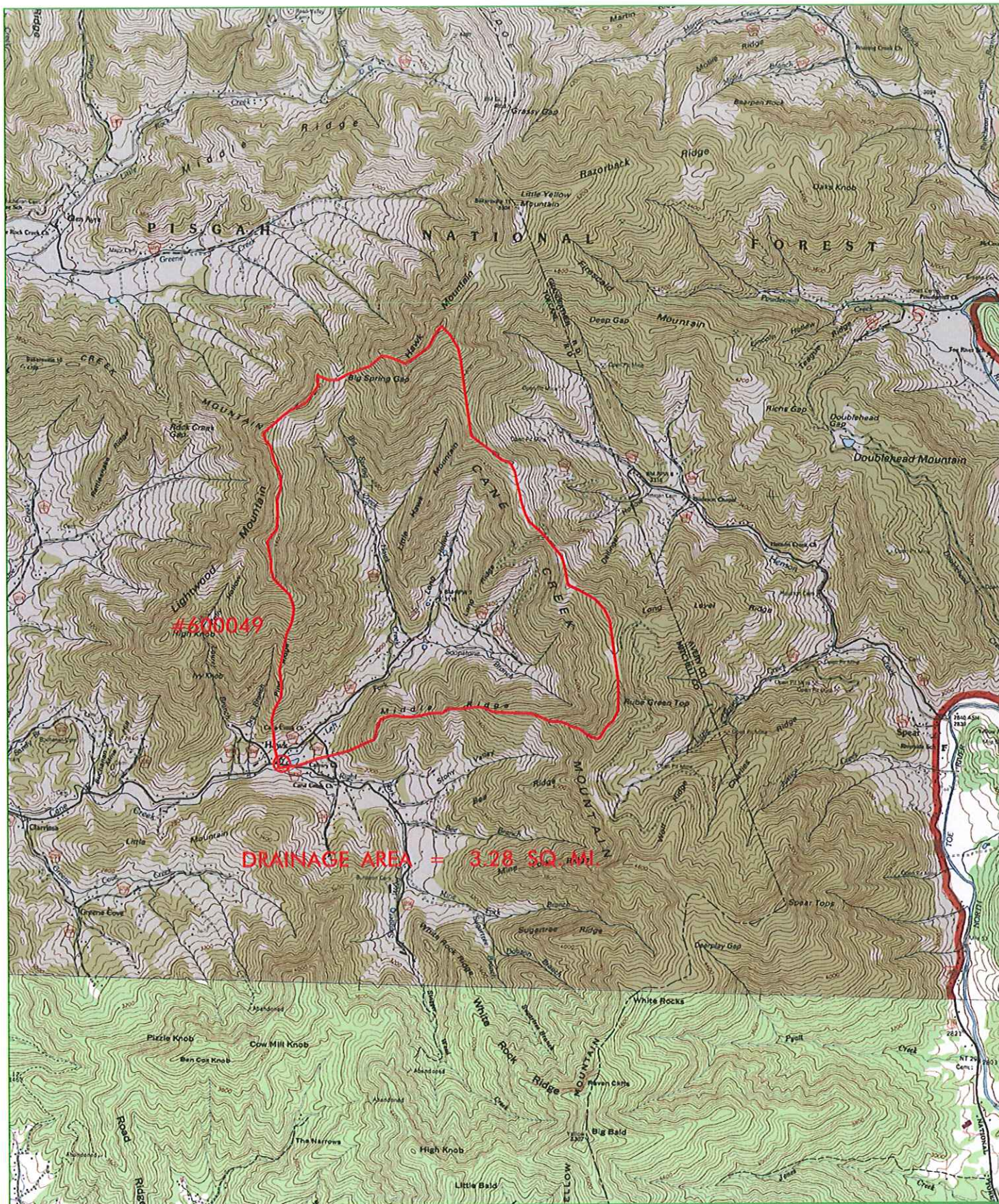
County MITCHELL

Date: 01/07/2010

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)





QUAD MAP - BRIDGE #600049

2,000 0 2,000 4,000
SCALE:



U/S



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY MITCHELL BRIDGE NUMBER 600152 INSPECTION CYCLE 2 YRS
ROUTE SR1207 ACROSS CANE CREEK M.P. 0

LOCATION .02 MI.S.JCT.SR1211

SUPERSTRUCTURE 2 LNS.119X81 CM PIPE ARCH;58'-4 ALONG CENTERLINE PIPE

SUBSTRUCTURE

SEE SUPERSTRUCTURE

SPANS

LONGITUDE 82° 5' 18.0"

LATITUDE 36° 1' 15.2"

PRESENT CONDITION GOOD

INVENTORY RATING

INSPECTION DATE 01/13/2010

OPERATING RATING

PRESENT POSTING Not Posted

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT None



NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

<u>No</u>	WEIGHT LIMIT	
<u>No</u>	DELINEATORS	
<u>No</u>	NARROW BRIDGE	
<u>No</u>	ONE LANE BRIDGE	
<u>No</u>	LOW CLEARANCE	

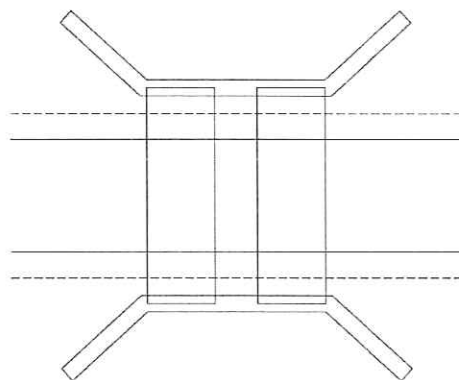
V/S

BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

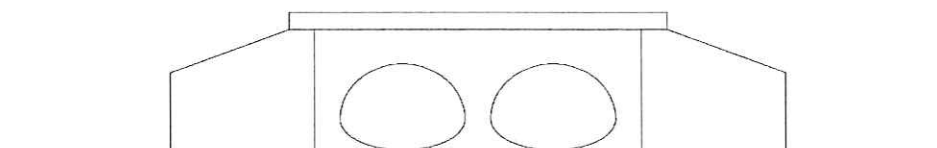
Run Date: 05/06/2010

COUNTY :	DIV :	DIST :	STRUCTURE NUMBER :	LENGTH :	
MITCHELL	13	1	600152	23	FEET
ROUTE CARRIED :		FEATURE INTERSECTED :			
SR1207		CANE CREEK			
LOCATED :		BRIDGE NAME :			
.02 MI.S.JCT.SR1211					
FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :	
09	NFA	NFA	70 2005	LT 000 RT 000	
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :	
1978	BMU	5.4885123		HS 20+MOD	
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	90	ON 1 UNDER
NAVIGATION :		HT. CRN. TO BED :		WATER DEPTH :	
VC	0.0	FT	HC	0.0	FT
				12	FT
SUPERSTRUCTURE :		2 LNS.119X81 CM PIPE ARCH;58'-4 ALONG CENTERLINE PIPE			
SUBSTRUCTURE :					
SPANS :					
BEAMS OR GIRDERS :					
FLOOR :	ENCROACHMENT :		DECK (OUT TO OUT) :		
			0.0 FT		
CLEAR ROADWAY :	BETWEEN RAILS :		SIDEWALK OR CURB :		
0.0 FT	0.0 FT		LT 0.0 FT RT 0.0 FT		
VERT.CL.OVER :	VERT.CL.UNDER :		HOR.CL.UNDER :		
99 FT 99 IN	00 FT 00 IN		0.0 FT		
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		
HS-20	HS-26		SV TTST DATE 01/17/1978		
SYSTEM :		GREEN LINE ROUTE :			
Secondary S.R. Route		N			
2ND OPENING :		3RD OPENING :		4TH OPENING :	
				5TH OPENING :	
REMARKS :					

Bridge Inspection Field Sketch



Crown of Roadway



Bed

Number of Barrels	Skew	Distance From Crown to Bed
2	90°	12ft
Length Along Center Line of Pipe		Length Along Center Line of Roadway
58.3ft		23.33ft

Barrel #	Width	Height	Distance From Previous Pipe	Scour at Inlet	Scour at Outlet	Type
1	9.917ft	6.750ft				Oblong
2	9.917ft	6.750ft	3.50ft			Oblong

01/13/2010 D.D. Honeycutt

Title

Pipe Profile

Description

Data Worksheet

Bridge No: 600152

Drawn By: Roy W. Shook

Date: 3/13/2008

File Name: S0102001206