

BILL OF MATERIAL

STAGE 1A						STAGE 1B						STAGE 2A						STAGE 2B						BAR TYPES			
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT				
A1	378	6	①	8'-2"	4,637	A1	378	6	①	8'-2"	4,637	A1	302	6	①	8'-2"	3,704	A1	302	6	①	8'-2"	3,704	<p>VERTICAL LEG</p> <p>①</p> <p>6" RAD.</p> <p>3'-6"</p> <p>3'-10 1/2"</p> <p>9/2"</p> <p>BAR DIMENSIONS ARE OUT TO OUT.</p>			
A100	374	7	STR.	14'-6"	11,085	A300	374	7	STR.	11'-8"	8,919	A500	298	7	STR.	14'-6"	8,832	A700	298	7	STR.	11'-8"	7,106				
A101	374	7	STR.	8'-0"	6,116							A501	298	7	STR.	8'-0"	4,873	A800	299	7	STR.	11'-8"	7,130				
						A400	375	7	STR.	11'-8"	8,943																
A200	375	7	STR.	14'-6"	11,114							A600	299	7	STR.	14'-6"	8,862										
A201	375	7	STR.	8'-0"	6,132							A601	299	7	STR.	8'-0"	4,889										
B1	330	4	STR.	12'-10"	2,829	B1	110	4	STR.	12'-10"	943	B1	264	4	STR.	12'-10"	2,263	B1	88	4	STR.	12'-10"	754				
B2	330	4	STR.	3'-4"	735	B2	110	4	STR.	3'-4"	245	B2	264	4	STR.	3'-4"	588	B2	88	4	STR.	3'-4"	196				
B3	110	7	STR.	12'-10"	2,885	B3	110	7	STR.	12'-10"	2,885	B3	88	7	STR.	12'-10"	2,308	B3	88	7	STR.	12'-10"	2,308				
C1	304	4	STR.	28'-10"	5,855	C1	216	4	STR.	28'-10"	4,160	C2	228	4	STR.	30'-6"	4,645	C2	162	4	STR.	30'-6"	3,301				
D1	3	6	STR.	2'-1"	9	D2	3	6	STR.	4'-1"	18	D1	3	6	STR.	2'-1"	9	D2	3	6	STR.	4'-1"	18				
G1	8	5	STR.	15'-8"	131	G2	8	5	STR.	10'-10"	90	G1	4	5	STR.	15'-8"	65	G2	4	5	STR.	10'-10"	45				
S1	12	8	STR.	15'-8"	502	S2	12	8	STR.	10'-10"	347	S1	12	8	STR.	15'-8"	502	S2	12	8	STR.	10'-10"	347				
REINFORCING STEEL (STAGE 1A): 52,030 LB.						REINFORCING STEEL (STAGE 1B): 31,187 LB.						REINFORCING STEEL (STAGE 2A): 41,542 LB.						REINFORCING STEEL (STAGE 2B): 24,911 LB.									
CLASS A CONCRETE (STAGE 1A)						CLASS A CONCRETE (STAGE 1B)						CLASS A CONCRETE (STAGE 2A)						CLASS A CONCRETE (STAGE 2B)									
CULVERT BARREL: 262.9 C.Y. SILLS: 0.5 C.Y.						CULVERT BARREL: 188.7 C.Y. SILLS: 1.3 C.Y.						CULVERT BARREL: 209.9 C.Y. SILLS: 0.5 C.Y.						CULVERT BARREL: 150.7 C.Y. SILLS: 1.3 C.Y.									
																		TOTAL REINFORCING STEEL: 149,670 LB.									
																		CLASS A CONCRETE									
																		CULVERT BARREL: 812.2 C.Y. SILLS: 3.6 C.Y.									

SPLICE LENGTH CHART

BAR SIZE	SPLICE LENGTH
#4	1'-9"
#5	2'-2"
#6	2'-9"
#7	3'-10"

TOTAL REINFORCING STEEL: 149,670 LB.

CLASS A CONCRETE  
CULVERT BARREL: 812.2 C.Y.  
SILLS: 3.6 C.Y.

V & M PROJECT NO.: 31740-03

PROJECT NO. R-3825B

JOHNSTON COUNTY

STATION: 167+03.45 -L-

SHEET 8 OF 10



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

DOUBLE 12'X12'  
CONCRETE BOX CULVERT  
ON MILL CREEK

DSG. ENG. OF RECORD.: CDB		REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C1-8
1		12/17	3			TOTAL SHEETS
2		12/17	4			10