

DOUBLE 10'-0" X 4'-0" BOX CULVERT								
BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS								
DESIGN	1	2	3	4	5	6	7	8
BAR A	435A @ 6"	434A @ 6"	703A @ 12"	524A @ 6"	601A @ 6"			
BAR B	563 @ 6"	636 @ 6"	632 @ 6"	733 @ 6"	731 @ 6"			
BAR C	482 @ 6"	571 @ 6"	572 @ 6"	645 @ 6"	646 @ 6"			
BAR E	420 @ 12"	422 @ 12"	425 @ 12"	428 @ 12"	431 @ 12"			
BAR F	513 @ 12"	422 @ 12"	425 @ 12"	428 @ 12"	431 @ 12"			
BAR G IN 2 SLABS	64 - 401	68 - 401	68 - 401	80 - 401	80 - 401			
BAR H IN 3 WALLS	18 - 402	18 - 402	18 - 402	18 - 402	18 - 402			
BAR J IN EXT. CORNER	0	0	0	0	0			
BAR J IN INT. CORNER	0	0	3-430B @ 11¾"	4-433B @ 13"	4-435B @ 14½"			
T ₁	14"	16"	18"	20"	22"			
T ₂	15"	17"	19"	21"	23"			
T ₃	14"	16"	18"	20"	22"			
X	23'-4"	23'-8"	24'-0"	24'-4"	24'-8"			
Y	6'-5"	6'-9"	7'-1"	7'-5"	7'-9"			
YD³ CLASS AA CONCRETE/FT	2.601	2.972	3.352	3.740	4.136			
LB BAR REINF STEEL/FT	236.6	296.5	339.5	437.2	475.7			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	9.5	9.8	10.1	10.5	10.8			
LB BAR REINF STEEL	1261	1296	1294	1414	1412			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	9.8	10.2	10.5	10.9	11.2			
LB BAR REINF STEEL	1592	1631	1633	1758	1761			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	11.0	11.3	11.7	12.1	12.5			
LB BAR REINF STEEL	1692	1733	1737	1863	1866			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	13.5	14.0	14.4	14.9	15.4			
LB BAR REINF STEEL	1931	1975	1982	2111	2117			

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
		REVISION	STANDARD REINFORCED CONCRETE DOUBLE BOX CULVERT 10'X4'		
			NO SCALE		SEPTEMBER 2017
	BY	DES. YSK. DRW. FGS. TRA. _____ CHK. JWB	(SUBMITTED) <i>[Signature]</i> STATE DESIGN POLICY ENGINEER (APPROVED) <i>Margaret B. Purcell</i> CHIEF ENGINEER	NUMBER 2402 SHEET 2-L OF 3	