

TRIPLE 10'-0" X 4'-0" BOX CULVERT								
BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS								
DESIGN	1	2	3	4	5	6	7	8
BAR A	437A @ 6"	435A @ 6"	518A @ 6"	525A @ 6"	602A @ 6"			
BAR B	496 @ 6"	597 @ 6"	657 @ 6"	656 @ 6"	739 @ 6"			
BAR C	456 @ 6"	553 @ 6"	611 @ 6"	612 @ 6"	613 @ 6"			
BAR D	455 @ 6"	455 @ 6"	455 @ 6"	711 @ 12"	711 @ 12"			
BAR E	414 @ 12"	416 @ 12"	419 @ 12"	421 @ 12"	423 @ 12"			
BAR F	507 @ 12"	416 @ 12"	419 @ 12"	421 @ 12"	423 @ 12"			
BAR G IN 2 SLABS	96 - 401	102 - 401	102 - 401	120 - 401	120 - 401			
BAR H IN 4 WALLS	24 - 402	24 - 402	24 - 402	24 - 402	24 - 402			
BAR J IN EXT. CORNER	0	0	0	0	0			
BAR J IN INT. CORNER	0	0	3-427B @ 11¾"	3-429B @ 13½"	3-432B @ 14¾"			
T ₁	14"	16"	18"	20"	22"			
T ₂	15"	17"	19"	21"	23"			
T ₃	14"	16"	18"	20"	22"			
X	34'-4"	34'-8"	35'-0"	35'-4"	35'-8"			
Y	6'-5"	6'-9"	7'-1"	7'-5"	7'-9"			
YD³ CLASS AA CONCRETE/FT	3.743	4.250	4.765	5.289	5.821			
LB BAR REINF STEEL/FT	315.4	385.2	542.1	579.1	672.6			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	13.8	14.2	14.5	14.9	15.3			
LB BAR REINF STEEL	1806	1855	1848	2025	2019			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	14.3	14.7	15.1	15.5	15.9			
LB BAR REINF STEEL	2283	2337	2335	2516	2514			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	16.0	16.4	16.8	17.3	17.7			
LB BAR REINF STEEL	2428	2483	2482	2665	2664			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	19.7	20.2	20.7	21.2	21.8			
LB BAR REINF STEEL	2764	2821	2824	3009	3011			

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	STANDARD REINFORCED CONCRETE TRIPLE BOX CULVERT 10'X4'	
			NO SCALE	SEPTEMBER 2017
	BY	DES. YSK DRW. EGS TRA. CHK. JWB	(SUBMITTED) (APPROVED) <i>Margaret B. Purcell</i> STATE DESIGN POLICY ENGINEER CHIEF ENGINEER	NUMBER 2403 SHEET 2-L OF 3