

TRIPLE 7'-0" X 4'-0" BOX CULVERT								
BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS								
DESIGN	1	2	3	4	5	6	7	8
BAR A	419A @ 6"	417A @ 6"	420A @ 6"	506A @ 6"	507A @ 6"			
BAR B	479 @ 6"	579 @ 6"	626 @ 6"	626 @ 6"	625 @ 6"			
BAR C	703 @ 12"	522 @ 6"	523 @ 6"	603 @ 6"	604 @ 6"			
BAR D	433 @ 6"	433 @ 6"	433 @ 6"	524 @ 6"	524 @ 6"			
BAR E	409 @ 12"	410 @ 12"	411 @ 12"	412 @ 12"	413 @ 12"			
BAR F	503 @ 12"	410 @ 12"	411 @ 12"	412 @ 12"	413 @ 12"			
BAR G IN 2 SLABS	72 - 401	72 - 401	72 - 401	72 - 401	72 - 401			
BAR H IN 4 WALLS	24 - 402	24 - 402	24 - 402	24 - 402	24 - 402			
BAR J IN EXT. CORNER	0	0	3-409B @ 6¼"	3-413B @ 7"	3-415B @ 7¾"			
BAR J IN INT. CORNER	0	3-407B @ 5¾"	4-411B @ 6¼"	4-414B @ 7"	5-416B @ 7¾"			
T ₁	9"	10"	11"	12"	13"			
T ₂	10"	11"	12"	13"	14"			
T ₃	9"	10"	11"	12"	13"			
X	24'-6"	24'-8"	24'-10"	25'-0"	25'-2"			
Y	5'-7"	5'-9"	5'-11"	6'-1"	6'-3"			
YD³ CLASS AA CONCRETE/FT	1.983	2.170	2.359	2.549	2.742			
LB BAR REINF STEEL/FT	261.2	311.1	370.1	438.4	454.4			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	9.7	9.9	10.0	10.2	10.4			
LB BAR REINF STEEL	1390	1388	1387	1386	1385			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	10.1	10.3	10.4	10.6	10.8			
LB BAR REINF STEEL	1738	1739	1740	1741	1742			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	11.3	11.5	11.6	11.8	12.0			
LB BAR REINF STEEL	1844	1845	1847	1849	1850			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	13.9	14.1	14.3	14.5	14.8			
LB BAR REINF STEEL	2095	2098	2101	2104	2107			

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	STANDARD REINFORCED CONCRETE TRIPLE BOX CULVERT 7'X4'	
			NO SCALE	SEPTEMBER 2017
	BY	DES. YSK. DRW. EGS. TRA. _____ CHK. JWB.	(SUBMITTED) <i>B. A. Ste...</i> STATE DESIGN POLICY ENGINEER (APPROVED) <i>Margaret B. P...</i> CHIEF ENGINEER	NUMBER 2403 SHEET 2-F OF 3