

DOUBLE 6'-0" X 3'-0" BOX CULVERT								
BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS								
DESIGN	1	2	3	4	5	6	7	8
BAR A	408A @ 6"	406A @ 6"	407A @ 6"	410A @ 6"	503A @ 6"			
BAR B	430 @ 6"	528 @ 6"	530 @ 6"	611 @ 6"	610 @ 6"			
BAR C	471 @ 6"	472 @ 6"	563 @ 6"	564 @ 6"	565 @ 6"			
BAR E	406 @ 12"	408 @ 12"	410 @ 12"	411 @ 12"	412 @ 12"			
BAR F	501 @ 12"	408 @ 12"	410 @ 12"	411 @ 12"	412 @ 12"			
BAR G IN 2 SLABS	44 - 401	44 - 401	44 - 401	44 - 401	48 - 401			
BAR H IN 3 WALLS	14 - 402	14 - 402	14 - 402	14 - 402	14 - 402			
BAR J IN EXT. CORNER	0	0	0	3-409B @ 6¼"	3-414B @ 7"			
BAR J IN INT. CORNER	0	3-404B @ 5"	4-407B @ 5¾"	4-411B @ 6¼"	4-415B @ 7"			
T ₁	8"	9"	10"	11"	12"			
T ₂	9"	10"	11"	12"	13"			
T ₃	8"	9"	10"	11"	12"			
X	14'-4"	14'-6"	14'-8"	14'-10"	15'-0"			
Y	4'-5"	4'-7"	4'-9"	4'-11"	5'-1"			
YD³ CLASS AA CONCRETE/FT	1,030	1,147	1,265	1,386	1,509			
LB BAR REINF STEEL/FT	134.2	157.3	186.2	216.1	238.1			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	5.1	5.2	5.3	5.4	5.5			
LB BAR REINF STEEL	856	857	858	859	896			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	5.3	5.4	5.5	5.6	5.8			
LB BAR REINF STEEL	1067	1070	1073	1076	1116			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	5.9	6.0	6.2	6.3	6.4			
LB BAR REINF STEEL	1132	1135	1139	1143	1183			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	7.3	7.4	7.6	7.8	7.9			
LB BAR REINF STEEL	1292	1298	1303	1308	1349			

DOUBLE 6'-0" X 4'-0" BOX CULVERT								
BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS								
DESIGN	1	2	3	4	5	6	7	8
BAR A	415A @ 6"	413A @ 6"	414A @ 6"	417A @ 6"	419A @ 6"			
BAR B	435 @ 6"	528 @ 6"	527 @ 6"	611 @ 6"	610 @ 6"			
BAR C	471 @ 6"	472 @ 6"	563 @ 6"	564 @ 6"	565 @ 6"			
BAR E	414 @ 12"	415 @ 12"	416 @ 12"	417 @ 12"	418 @ 12"			
BAR F	506 @ 12"	415 @ 12"	416 @ 12"	417 @ 12"	418 @ 12"			
BAR G IN 2 SLABS	44 - 401	44 - 401	44 - 401	44 - 401	48 - 401			
BAR H IN 3 WALLS	18 - 402	18 - 402	18 - 402	18 - 402	18 - 402			
BAR J IN EXT. CORNER	0	0	0	3-409B @ 6¼"	3-413B @ 7"			
BAR J IN INT. CORNER	0	3-404B @ 5"	4-407B @ 5¾"	4-411B @ 6¼"	5-415B @ 7"			
T ₁	8"	9"	10"	11"	12"			
T ₂	9"	10"	11"	12"	13"			
T ₃	8"	9"	10"	11"	12"			
X	14'-4"	14'-6"	14'-8"	14'-10"	15'-0"			
Y	5'-5"	5'-7"	5'-9"	5'-11"	6'-1"			
YD³ CLASS AA CONCRETE/FT	1,116	1,239	1,364	1,491	1,620			
LB BAR REINF STEEL/FT	146.9	168.0	196.3	226.7	238.0			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	5.7	5.9	6.0	6.1	6.3			
LB BAR REINF STEEL	895	896	897	898	936			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	6.0	6.1	6.2	6.4	6.5			
LB BAR REINF STEEL	1108	1111	1114	1117	1158			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	6.7	6.8	7.0	7.1	7.3			
LB BAR REINF STEEL	1173	1176	1180	1184	1225			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
YD³ CLASS AA CONCRETE	8.2	8.4	8.6	8.8	9.0			
LB BAR REINF STEEL	1335	1340	1345	1350	1393			

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
		REVISION	STANDARD REINFORCED CONCRETE DOUBLE BOX CULVERT 6'X3' AND 6'X4'		
			NO SCALE		SEPTEMBER 2017
	BY	DES. YSK DRW. FGS. TRA. _____ CHK. <u>JWB</u>	(SUBMITTED) <i>B. A. Ste...</i> STATE DESIGN POLICY ENGINEER (APPROVED) <i>Margaret B. Pivelo</i> CHIEF ENGINEER	NUMBER 2402 SHEET 2-D OF 3	