STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		628	839

DOUBLE 6'-0" X 5'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 421A	1 - 423A	1 - 424A	1 - 425A	1 - 427A			
BAR B *	1 - 464	1 - 529	1 - 605	1 - 701	1 - 801			
BAR C	422A @ 12"	530 @ 12"	531 @ 12"	532 @ 12"	533 @ 12"			
BAR D *	1 - 406A	1 - 408A	1 - 526	1 - 606	1 - 607			
BAR F	436 @ 12"	438 @ 12"	471 @ 12"	426A @ 12"	441 @ 12"			
BAR G	436 @ 12"	438 @ 12"	471 @ 12"	426A @ 12"	441 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	36 - 406	36 - 406	36 - 406	36 - 406	36 - 406			
BAR K IN 3 WALLS	15 - 407	15 - 407	15 - 407	15 - 407	15 - 407			
BAR L IN EXT. CORNER	0	2-419 @ 9"	3-456 @ 8½"	3-412A @ 6½"	4-414A @ 5"			
BAR L IN INT. CORNER	2-413 @ 8"	3-419 @ 8"	5-456 @ 5"	7-412A @ 3¾"	9-414A @ 3"			
T_1	8"	9"	10"	11"	12"			
T_2	8"	9"	10"	11"	12"			
X	14'-4"	14'-6"	14'-8"	14'-10"	15'-0"			
Y	6'-4"	6'-6"	6'-8"	6'-10"	7'-0"			
CY CLASS A CONCRETE/FT	1.158	1.287	1.418	1.550	1.685			
LB BAR REINF STEEL/FT	125.9	158.5	191.6	226.7	258.4			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	5.3	5.4	5.6	5.8	6.0			
LB BAR REINF STEEL	793	796	798	800	802			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	5.5	5.6	5.8	6.0	6.2			
LB BAR REINF STEEL	1005	1009	1014	1018	1022			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	6.8	6.9	7.1	7.3	7.4			
LB BAR REINF STEEL	1069	1074	1079	1084	1089			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	8.3	8.5	8.7	8.9	9.2			
LB BAR REINF STEEL	1230	1237	1243	1250	1256			

DOUBLE 6'-0" X 6'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 428A	1 - 430A	1 - 431A	1 - 432A	1 - 434A			
BAR B *	1 - 462	1 - 529	1 - 605	1 - 701	1 - 801			
BAR C	429A @ 12"	534 @ 12"	535 @ 12"	536 @ 12"	537 @ 12"			
BAR D *	1 - 406A	1 - 408A	1 - 526	1 - 606	1 - 607			
BAR F	444 @ 12"	446 @ 12"	480 @ 12"	433A @ 12"	483 @ 12"			
BAR G	444 @ 12"	446 @ 12"	480 @ 12"	433A @ 12"	483 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	36 - 406	36 - 406	36 - 406	36 - 406	36 - 406			
BAR K IN 3 WALLS	18 - 407	18 - 407	18 - 407	18 - 407	18 - 407			
BAR L IN EXT. CORNER	0	2-419 @ 9"	3-456 @ 8"	3-412A @ 6½"	4-414A @ 5"			
BAR L IN INT. CORNER	2-413 @ 8"	3-419 @ 8"	5-456 @ 5"	7-412A @ 3¾"	9-414A @ 3"			
T_1	8"	9"	10"	11"	12"			
T_2	8"	9"	10"	11"	12"			
X	14'-4"	14'-6"	14'-8"	14'-10"	15'-0"			
Y	7'-4"	7'-6"	7'-8"	7'-10"	8'-0"			
CY CLASS A CONCRETE/FT	1.245	1.380	1.516	1.655	1.796			
LB BAR REINF STEEL/FT	133.4	166.1	198.7	234.2	265.8			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	5.4	5.6	5.8	6.0	6.2			
LB BAR REINF STEEL	818	820	823	825	827			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	5.6	5.8	6.0	6.2	6.4			
LB BAR REINF STEEL	1031	1035	1039	1044	1048			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	7.0	7.1	7.3	7.5	7.7			
LB BAR REINF STEEL	1095	1100	1106	1111	1116			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	8.6	8.8	9.0	9.2	9.5			
LB BAR REINF STEEL	1258	1264	1271	1277	1283			

* NUMBER OF BARS A, B, OR D SHOWN SHALL BE PLACED AT EQUAL SPACES BETWEEN EACH PAIR OF BARS C AT EACH LOCATION.

DOUBLE 6'-0" X 7'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 435A	1 - 437A	1 - 438A	1 - 439A	1 - 441A			
BAR B *	1 - 462	1 - 529	1 - 605	1 - 701	1 - 801			
BAR C	436A @ 12"	538 @ 12"	539 @ 12"	540 @ 12"	541 @ 12"			
BAR D *	1 - 406A	1 - 408A	1 - 526	1 - 606	1 - 607			
BAR F	486 @ 12"	488 @ 12"	491 @ 12"	440A @ 12"	495 @ 12"			
BAR G	486 @ 12"	488 @ 12"	491 @ 12"	440A @ 12"	495 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	36 - 406	36 - 406	36 - 406	36 - 406	36 - 406			
BAR K IN 3 WALLS	21 - 407	21 - 407	21 - 407	21 - 407	21 - 407			
BAR L IN EXT. CORNER	0	2-419 @ 9"	3-456 @ 7¼"	4-412A @ 5½"	5-414A @ 4¾"			
BAR L IN INT. CORNER	2-413 @ 8"	3-419 @ 7½"	5-456 @ 5"	7-412A @ 3¾"	9-414A @ 3"			
T_1	8"	9"	10"	11"	12"			
T_2	8"	9"	10"	11"	12"			
X	14'-4"	14'-6"	14'-8"	14'-10"	15'-0"			
Y	8'-4"	8'-6"	8'-8"	8'-10"	9'-0"			
CY CLASS A CONCRETE/FT	1.331	1.472	1.615	1.760	1.907			
LB BAR REINF STEEL/FT	141.1	173.8	206.2	246.7	278.9			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	5.7	5.9	6.1	6.3	6.5			
LB BAR REINF STEEL	844	846	849	851	853			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	5.9	6.1	6.3	6.5	6.7			
LB BAR REINF STEEL	1057	1062	1066	1070	1075			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	7.2	7.4	7.6	7.8	8.0			
LB BAR REINF STEEL	1123	1128	1133	1138	1143			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	8.9	9.1	9.3	9.6	9.8			
LB BAR REINF STEEL	1286	1292	1299	1305	1312			

DOUBLE 6'-0" X 8'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 442A	1 - 444A	1 - 445A	1 - 446A	1 - 448A			
BAR B *	1 - 462	1 - 529	1 - 605	1 - 701	1 - 801			
BAR C	443A @ 12"	542 @ 12"	543 @ 12"	544 @ 12"	545 @ 12"			
BAR D *	1 - 406A	1 - 408A	1 - 526	1 - 606	1 - 607			
BAR F	498 @ 12"	402A @ 12"	404A @ 12"	447A @ 12"	449A @ 12"			
BAR G	498 @ 12"	402A @ 12"	404A @ 12"	447A @ 12"	449A @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	36 - 406	36 - 406	36 - 406	36 - 406	36 - 406			
BAR K IN 3 WALLS	24 - 407	24 - 407	24 - 407	24 - 407	24 - 407			
BAR L IN EXT. CORNER	1 - 413	2-419 @ 9"	3-456 @ 6½"	5-412A @ 5"	6-414A @ 4"			
BAR L IN INT. CORNER	2-413 @ 8"	3-419 @ 7½"	5-456 @ 5"	7-412A @ 3¾"	9-414A @ 3"			
T_1	8"	9"	10"	11"	12"			
T_2	8"	9"	10"	11"	12"			
X	14'-4"	14'-6"	14'-8"	14'-10"	15'-0"			
Y	9'-4"	9'-6"	9'-8"	9'-10"	10'-0"			
CY CLASS A CONCRETE/FT	1.418	1.565	1.714	1.865	2.019			
LB BAR REINF STEEL/FT	152.9	181.5	214.0	259.4	291.3			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	5.9	6.1	6.3	6.6	6.8			
LB BAR REINF STEEL	871	873	876	878	880			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	6.1	6.3	6.6	6.8	7.0			
LB BAR REINF STEEL	1085	1089	1094	1098	1102			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	7.5	7.7	7.9	8.2	8.4			
LB BAR REINF STEEL	1151	1156	1161	1166	1171			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	9.2	9.5	9.8	10.0	10.3			
LB BAR REINF STEEL	1315	1322	1328	1335	1341			

AS-BUILT

REVISIONS	BY	DATE

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

SPECIAL DESIGN
REINFORCED CONCRETE
DOUBLE BOX CULVERT

NO SCALE — MARCH 2003

BRIDGE SHEET 2F OF 3

DESIGNED WEI — CHECKED X — REVIEWED JPT/MCD
DRAWN KWK — DESIGN GROUP WEI — APPROVED PVL