STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		631	839

DOUBLE 8'-0" X 4'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 488A	1 - 491A	1 - 494A	1 - 496A	1 - 498A			
BAR B *	1 - 511	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	489A @ 12"	567 @ 12"	568 @ 12"	569 @ 12"	570 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	433 @ 12"	493A @ 12"	436 @ 12"	438 @ 12"	471 @ 12"			
BAR G	433 @ 12"	493A @ 12"	436 @ 12"	438 @ 12"	471 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	40 - 406	40 - 406	40 - 406	40 - 406	40 - 406			
BAR K IN 3 WALLS	12 - 407	12 - 407	12 - 407	12 - 407	12 - 407			
BAR L IN EXT. CORNER	0	1 - 459A	2-495A @ 14"	3-497A @ 8½"	4-499A @ 6½"			
BAR L IN INT. CORNER	0	2-459A @ 13"	5-495A @ 6½"	8-497A @ 4½"	11-499A @ 3½"			
T_1	12"	13"	14"	15"	16"			
T_2	12"	13"	14"	15"	16"			
X	19'-0"	19'-2"	19'-4"	19'-6"	19'-8"			
Y	6'-0"	6'-2"	6'-4"	6'-6"	6'-8"			
CY CLASS A CONCRETE/FT	1.870	2.026	2.183	2.343	2.504			
LB BAR REINF STEEL/FT	137.0	178.5	258.0	300.8	353.7			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	7.0	7.2	7.4	7.6	7.8			
LB BAR REINF STEEL	902	904	906	908	911			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	7.3	7.5	7.7	7.9	8.0			
LB BAR REINF STEEL	1174	1178	1183	1187	1192			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	8.8	9.0	9.2	9.4	9.5			
LB BAR REINF STEEL	1256	1262	1267	1272	1277			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	10.9	11.1	11.3	11.5	11.7			
LB BAR REINF STEEL	1457	1463	1470	1476	1482			

DOUBLE 8'-0" X 5'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 401B	1 - 402B	1 - 403B	1 - 408B	1 - 405B			
BAR B *	1 - 511	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	489A @ 12"	567 @ 12"	568 @ 12"	569 @ 12"	570 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	441 @ 12"	466A @ 12"	444 @ 12"	446 @ 12"	480 @ 12"			
BAR G	441 @ 12"	466A @ 12"	444 @ 12"	446 @ 12"	480 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	40 - 406	40 - 406	40 - 406	40 - 406	40 - 406			
BAR K IN 3 WALLS	15 - 407	15 - 407	15 - 407	15 - 407	15 - 407			
BAR L IN EXT. CORNER	0	1-459A @ 13"	2-495A @ 14"	3-497A @ 8½"	4-499A @ 6½"			
BAR L IN INT. CORNER	0	3-459A @ 12"	5-495A @ 6"	8-497A @ 4¼"	11-499A @ 3½"			
T_1	12"	13"	14"	15"	16"			
T_2	12"	13"	14"	15"	16"			
X	19'-0"	19'-2"	19'-4"	19'-6"	19'-8"			
Y	7'-0"	7'-2"	7'-4"	7'-6"	7'-8"			
CY CLASS A CONCRETE/FT	1.981	2.143	2.307	2.472	2.640			
LB BAR REINF STEEL/FT	144.3	190.9	265.3	308.2	361.1			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	7.3	7.4	7.6	7.8	8.0			
LB BAR REINF STEEL	927	929	931	933	936			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	7.5	7.7	7.9	8.1	8.3			
LB BAR REINF STEEL	1200	1204	1209	1213	1217			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	9.1	9.3	9.5	9.7	9.9			
LB BAR REINF STEEL	1283	1288	1293	1298	1303			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	11.2	11.4	11.6	11.9	12.1			
LB BAR REINF STEEL	1484	1490	1497	1503	1510			

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

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

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 406B	1 - 408B	1 - 409B	1 - 410B	1 - 411B			
BAR B *	1 - 571	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	407B @ 12"	572 @ 12"	573 @ 12"	574 @ 12"	575 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	483 @ 12"	473A @ 12"	486 @ 12"	488 @ 12"	491 @ 12"			
BAR G	483 @ 12"	473A @ 12"	486 @ 12"	488 @ 12"	491 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	40 - 406	40 - 406	40 - 406	40 - 406	40 - 406			
BAR K IN 3 WALLS	18 - 407	18 - 407	18 - 407	18 - 407	18 - 407			
BAR L IN EXT. CORNER	0	1 - 459A	2-495A @ 13"	3-497A @ 8"	4-499A @ 6"			
BAR L IN INT. CORNER	0	3-459A @ 11½"	6-495A @ 6"	8-497A @ 4¼"	12-499A @ 3¼"			
T_1	12"	13"	14"	15"	16"			
T_2	12"	13"	14"	15"	16"			
X	19'-0"	19'-2"	19'-4"	19'-6"	19'-8"			
Y	8'-0"	8'-2"	8'-4"	8'-6"	8'-8"			
CY CLASS A CONCRETE/FT	2.093	2.260	2.430	2.602	2.776			
LB BAR REINF STEEL/FT	151.9	198.5	278.2	315.3	373.8			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	7.5	7.7	7.9	8.1	8.3			
LB BAR REINF STEEL	952	954	956	958	960			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	7.7	8.0	8.2	8.4	8.6			
LB BAR REINF STEEL	1226	1230	1234	1239	1243			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	9.4	9.6	9.8	10.0	10.2			
LB BAR REINF STEEL	1309	1314	1319	1324	1329			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	11.5	11.7	12.0	12.2	12.5			
LB BAR REINF STEEL	1511	1518	1524	1531	1537			

AS-BUILT

BRIDGE SHEET
2J OF 3

BY	REVISIONS	DATE

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

SPECIAL DESIGN
REINFORCED CONCRETE
DOUBLE BOX CULVERT

NO SCALE — MARCH 2003

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