STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDS00-0545-00(020)	781	831

DOUBLE 9'-0" X 4'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A ✱	1 - 447B	1 - 450B	1 - 453B	1 - 454B	1 - 456B			
BAR B ✱	1 - 592	1 - 707	1 - 804	1 - 903	2 - 707			
BAR C	448B @ 12"	451B @ 12"	594 @ 12"	595 @ 12"	596 @ 12"			
BAR D ✱	1 - 449B	1 - 593	1 - 612	1 - 708	1 - 805			
BAR F	436B @ 12"	438B @ 12"	471 @ 12"	426A @ 12"	441 @ 12"			
BAR G	436B @ 12"	438B @ 12"	471 @ 12"	426A @ 12"	441 @ 12"			
BAR H	0	0	0	0	0			
BAR J IN 2 SLABS	44 - 406	44 - 406	44 - 406	44 - 406	44 - 406			
BAR K IN 3 WALLS	12 - 407	12 - 407	12 - 407	12 - 407	12 - 407			
BAR L IN EXT. CORNER	0	0	2-499A @ 16"	3-455B @ 9½"	4-457B @ 7"			
BAR L IN INT. CORNER	0	2-452B @ 14½"	5-499A @ 6½"	9-455B @ 4½"	12-457B @ 3½"			
T_1	14"	15"	16"	17"	18"			
T_2	14"	15"	16"	17"	18"			
X	21'-4"	21'-6"	21'-8"	21'-10"	22'-0"			
Y	6'-4"	6'-6"	6'-8"	6'-10"	7'-0"			
CY CLASS A CONCRETE/FT	2.356	2.528	2.702	2.878	3.056			
LB BAR REINF STEEL/FT	149.7	195.9	281.8	360.0	414.7			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	8.1	8.2	8.4	8.6	8.8			
LB BAR REINF STEEL	989	991	993	996	998			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.3	8.5	8.7	9.0	9.2			
LB BAR REINF STEEL	1292	1296	1301	1305	1309			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	10.0	10.2	10.4	10.6	10.8			
LB BAR REINF STEEL	1384	1389	1394	1399	1404			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	12.3	12.5	12.8	13.0	13.2			
LB BAR REINF STEEL	1604	1610	1617	1623	1630			

DOUBLE 9'-0" X 5'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A ✱	1 - 458B	1 - 459B	1 - 460B	1 - 461B	1 - 462B			
BAR B ✱	1 - 592	1 - 707	1 - 804	1 - 903	2 - 707			
BAR C	448B @ 12"	451B @ 12"	594 @ 12"	595 @ 12"	596 @ 12"			
BAR D ✱	1 - 449B	1 - 593	1 - 612	1 - 708	1 - 805			
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	44 - 406	44 - 406	44 - 406	44 - 406	44 - 406			
BAR K IN 3 WALLS	15 - 407	15 - 407	15 - 407	15 - 407	15 - 407			
BAR L IN EXT. CORNER	0	0	2-499A @ 16"	3-455B @ 9½"	4-457B @ 7"			
BAR L IN INT. CORNER	0	2-452B @ 14"	6-499A @ 6½"	9-455B @ 4½"	12-457B @ 3½"			
T_1	14"	15"	16"	17"	18"			
T_2	14"	15"	16"	17"	18"			
X	21'-4"	21'-6"	21'-8"	21'-10"	22'-0"			
Y	7'-4"	7'-6"	7'-8"	7'-10"	8'-0"			
CY CLASS A CONCRETE/FT	2.479	2.657	2.837	3.020	3.204			
LB BAR REINF STEEL/FT	157.1	203.2	294.9	367.4	422.0			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	8.3	8.5	8.7	8.9	9.1			
LB BAR REINF STEEL	1014	1016	1018	1021	1023			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.6	8.8	9.0	9.2	9.5			
LB BAR REINF STEEL	1318	1322	1326	1331	1335			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	10.3	10.5	10.7	10.9	11.1			
LB BAR REINF STEEL	1410	1415	1420	1425	1430			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	12.7	12.9	13.2	13.4	13.6			
LB BAR REINF STEEL	1631	1637	1644	1650	1657			

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

DOUBLE 9'-0" X 6'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A ✱	1 - 463B	1 - 464B	1 - 465B	1 - 466B	1 - 467B			
BAR B ✱	1 - 592	1 - 707	1 - 804	1 - 903	2 - 707			
BAR C	448B @ 12"	451B @ 12"	594 @ 12"	595 @ 12"	596 @ 12"			
BAR D ✱	1 - 449B	1 - 593	1 - 612	1 - 708	1 - 805			
BAR F	486 @ 12"	488 @ 12"	491 @ 12"	440A @ 12"	493 @ 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	44 - 406	44 - 406	44 - 406	44 - 406	44 - 406			
BAR K IN 3 WALLS	18 - 407	18 - 407	18 - 407	18 - 407	18 - 407			
BAR L IN EXT. CORNER	0	1 - 452B	2-499A @ 15"	3-455B @ 9"	4-457B @ 6½"			
BAR L IN INT. CORNER	0	3-452B @ 13"	6-499A @ 6½"	9-455B @ 4½"	12-457B @ 3½"			
T_1	14"	15"	16"	17"	18"			
T_2	14"	15"	16"	17"	18"			
X	21'-4"	21'-6"	21'-8"	21'-10"	22'-0"			
Y	8'-4"	8'-6"	8'-8"	8'-10"	9'-0"			
CY CLASS A CONCRETE/FT	2.603	2.787	2.973	3.162	3.352			
LB BAR REINF STEEL/FT	164.4	221.6	302.0	374.5	429.0			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	8.5	8.8	9.0	9.2	9.4			
LB BAR REINF STEEL	1039	1041	1043	1045	1048			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.9	9.1	9.3	9.5	9.8			
LB BAR REINF STEEL	1343	1348	1352	1357	1361			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	10.6	10.8	11.0	11.2	11.5			
LB BAR REINF STEEL	1436	1441	1446	1451	1456			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	13.0	13.3	13.5	13.8	14.1			
LB BAR REINF STEEL	1658	1665	1671	1678	1684			

VOID

BRIDGE SHEET
2L OF 3

DATE	REVISIONS	BY

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