STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		632	839

DOUBLE 8'-0" X 7'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 412B	1 - 414B	1 - 415B	1 - 416B	1 - 417B			
BAR B *	1 - 571	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	413B @ 12"	576 @ 12"	577 @ 12"	578 @ 12"	579 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	495 @ 12"	480A @ 12"	498 @ 12"	402A @ 12"	404A @ 12"			
BAR G	495 @ 12"	480A @ 12"	498 @ 12"	402A @ 12"	404A @ 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	21 - 407	21 - 407	21 - 407	21 - 407	21 - 407			
BAR L IN EXT. CORNER	0	2-459A @ 13"	2-495A @ 12"	3-497A @ 7½"	4-499A @ 6"			
BAR L IN INT. CORNER	0	3-459A @ 11"	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	9'-0"	9'-2"	9'-4"	9'-6"	9'-8"			
CY CLASS A CONCRETE/FT	2.204	2.378	2.553	2.731	2.912			
LB BAR REINF STEEL/FT	159.4	211.1	285.6	322.4	381.2			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	7.8	8.0	8.2	8.4	8.6			
LB BAR REINF STEEL	978	980	982	984	987			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.0	8.3	8.5	8.7	9.0			
LB BAR REINF STEEL	1252	1257	1261	1266	1270			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	9.7	9.9	10.1	10.3	10.6			
LB BAR REINF STEEL	1336	1341	1346	1351	1356			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	11.9	12.2	12.4	12.7	13.0			
LB BAR REINF STEEL	1540	1546	1552	1559	1565			

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

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 418B	1 - 420B	1 - 422B	1 - 423B	1 - 424B			
BAR B *	1 - 571	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	419B @ 12"	580 @ 12"	581 @ 12"	582 @ 12"	583 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	449A @ 12"	421B @ 12"	404 @ 12"	429 @ 12"	425B @ 12"			
BAR G	449A @ 12"	421B @ 12"	404 @ 12"	429 @ 12"	425B @ 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	24 - 407	24 - 407	24 - 407	24 - 407	24 - 407			
BAR L IN EXT. CORNER	0	2-459A @ 13"	2-495A @ 11"	4-497A @ 7"	5-499A @ 5¾"			
BAR L IN INT. CORNER	0	3-459A @ 11"	6-495A @ 5¾"	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	10'-0"	10'-2"	10'-4"	10'-6"	10'-8"			
CY CLASS A CONCRETE/FT	2.315	2.495	2.677	2.861	3.047			
LB BAR REINF STEEL/FT	167.0	218.7	293.3	336.6	395.4			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	8.1	8.3	8.6	8.8	9.0			
LB BAR REINF STEEL	1005	1007	1009	1012	1014			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.4	8.6	8.9	9.1	9.4			
LB BAR REINF STEEL	1280	1285	1289	1293	1298			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	10.1	10.3	10.5	10.8	11.0			
LB BAR REINF STEEL	1365	1370	1375	1380	1385			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	12.4	12.7	12.9	13.2	13.5			
LB BAR REINF STEEL	1569	1575	1582	1588	1595			

* 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 9'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 426B	1 - 429B	1 - 431B	1 - 433B	1 - 435B			
BAR B *	1 - 571	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	427B @ 12"	584 @ 12"	585 @ 12"	586 @ 12"	587 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	428B @ 12"	430B @ 12"	432B @ 12"	434B @ 12"	436B @ 12"			
BAR G	428B @ 12"	430B @ 12"	432B @ 12"	434B @ 12"	436B @ 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	27 - 407	27 - 407	27 - 407	27 - 407	27 - 407			
BAR L IN EXT. CORNER	0	2-459A @ 13"	3-495A @ 10"	4-497A @ 6¾"	5-499A @ 5"			
BAR L IN INT. CORNER	0	3-459A @ 11"	6-495A @ 5¾"	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	11'-0"	11'-2"	11'-4"	11'-6"	11'-8"			
CY CLASS A CONCRETE/FT	2.426	2.612	2.800	2.991	3.183			
LB BAR REINF STEEL/FT	174.7	226.4	306.6	343.8	402.1			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	8.4	8.6	8.9	9.1	9.4			
LB BAR REINF STEEL	1031	1033	1035	1038	1040			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.7	8.9	9.2	9.4	9.7			
LB BAR REINF STEEL	1307	1312	1316	1320	1325			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	10.4	10.6	10.9	11.1	11.4			
LB BAR REINF STEEL	1392	1397	1402	1407	1412			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	12.8	13.1	13.4	13.7	14.0			
LB BAR REINF STEEL	1597	1604	1610	1617	1623			

DOUBLE 8'-0" X 10'-0" BOX CULVERT

BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS

DESIGN	1	2	3	4	5	6	7	8
BAR A *	1 - 437B	1 - 440B	1 - 442B	1 - 443B	1 - 445B			
BAR B *	1 - 571	1 - 610	1 - 803	2 - 610	1 - 902			
BAR C	438B @ 12"	588 @ 12"	589 @ 12"	590 @ 12"	591 @ 12"			
BAR D *	1 - 490A	1 - 492A	1 - 611	1 - 705	1 - 706			
BAR F	439B @ 12"	441B @ 12"	449 @ 12"	444B @ 12"	446B @ 12"			
BAR G	439B @ 12"	441B @ 12"	449 @ 12"	444B @ 12"	446B @ 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	30 - 407	30 - 407	30 - 407	30 - 407	30 - 407			
BAR L IN EXT. CORNER	0	2-459A @ 13"	3-495A @ 9"	4-497A @ 6¼"	6-499A @ 5"			
BAR L IN INT. CORNER	0	3-459A @ 10"	6-495A @ 5¾"	8-497A @ 4¼"	11-499A @ 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	12'-0"	12'-2"	12'-4"	12'-6"	12'-8"			
CY CLASS A CONCRETE/FT	2.537	2.729	2.924	3.120	3.319			
LB BAR REINF STEEL/FT	182.5	234.2	314.1	351.1	410.5			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 90° SKEW - TOTAL								
CY CLASS A CONCRETE	8.6	8.9	9.1	9.4	9.6			
LB BAR REINF STEEL	1056	1058	1060	1063	1065			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 75° SKEW - TOTAL								
CY CLASS A CONCRETE	8.9	9.2	9.4	9.7	10.0			
LB BAR REINF STEEL	1333	1337	1342	1346	1350			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 60° SKEW - TOTAL								
CY CLASS A CONCRETE	10.7	10.9	11.2	11.4	11.7			
LB BAR REINF STEEL	1418	1423	1428	1433	1438			
PARAPET, BARREL END, AND TOEWALL QUANTITIES - 45° SKEW - TOTAL								
CY CLASS A CONCRETE	13.1	13.4	13.7	14.1	14.4			
LB BAR REINF STEEL	1625	1631	1638	1644	1650			

AS-BUILT

BRIDGE SHEET
2K 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