

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-4001(7)	24	585

REINFORCED CONCRETE BOX CULVERTS								
LOCATION	SKEW ANGLE	SIZE	LENGTH OF BARREL OR EXTENSION	HEIGHT OF FILL	CLASS A CONCRETE	BAR REINFORCING STEEL	FOUNDATION BACKFILL MATERIAL 24" THICKNESS	COMMENTS
			LN FT	LN FT	CU YD	LB	CU YD	
STA.156+00+/- LT	90°	DOUBLE 8'x6' GA STD 2326	19	1.5'-12'	32.5	3670	30	CONNECT TO EXISTING CULVERT AND EXTEND TO SPECIAL DESIGN JUNCTION BOX
STA.156+00+/- RT	75°	DOUBLE 8'x6' GA STD 2326	16	1.5'-12'	27.5	3100	25	CONNECT TO EXISTING CULVERT AND EXTEND TO SPECIAL DESIGN HEADWALL
STA.156+00+/- RT	75°	6'x5' GA STD 2321	16	1.5'-12'	11.5	1140	10	CONNECT TO EXISTING CULVERT AND EXTEND TO SPECIAL DESIGN HEADWALL
SUBTOTAL					71.5	7910	65	
AS DIRECTED BY ENGINEER					0.5	90	5	
TOTAL					72	8000	80	

NOTE:
WINGWALL, PARAPET AND APRON QUANTITIES ARE NOT INCLUDED IN ABOVE FIGURES.
SEE QUANTITIES LISTED IN SPECIAL DESIGN HEADWALL SUMMARY

SUMMARY OF TEMPORARY DRAINAGE QUANTITIES		
DRAIN INLET, GA STD 1035	EA	40
SIDE DRAIN PIPE, 8 INCH	LF	50
SIDE DRAIN PIPE, 12 INCH	LF	150
SIDE DRAIN PIPE, 15 INCH	LF	650
SIDE DRAIN PIPE, 18 INCH	LF	160

PERFORATED UNDERDRAIN PIPE INCLUDING DRAINAGE AGGREGATE GA STD 9029B	
LF	3500

ADJUST MANHOLE TOP TO GRADE	
EACH	30

RIGHT-OF-WAY MARKERS GA STD 9003 EACH	
SUBTOTAL	267
AS DIRECTED BY ENGINEER	13
TOTAL	280

RECONSTRUCT MINOR DRAINAGE STRUCTURE	
EACH	15

TEMPORARY EROSION CONTROL		
DESCRIPTION	UNIT	TOTAL
TEMPORARY GRASSING	AC	15
MULCH	TON	525
FERTILIZER, MIXED GRADE	TON	3
CONSTRUCTION EXIT	EA	16
CONSTRUCT AND REMOVE BALED STRAW EROSION SHECK	LF	1500
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	360
MAINTENANCE OF TEMPORARY SILT FENCE, TYPE A	LF	16500
MAINTENANCE OF TEMPORARY SILT FENCE, TYPE C	LF	250
MAINTENANCE OF BALED STRAW EROSION CHECK	LF	750
MAINTENANCE OF CONSTRUCTION EXIT	EA	16
MAINTENANCE OF INLET SEDIMENT TRAP	EA	360
WATER QUALITY MONITORING AND SAMPLING	EA	2
WATER QUALITY INSPECTIONS	MONTH	24
TEMPORARY SILT FENCE, TYPE A	LF	33000
TEMPORARY SILT FENCE, TYPE C	LF	500
TEMPORARY PIPE SLOPE DRAIN	LF	100
EROSION CONTROL BLANKETS	SY	150

PAVEMENT REINFORCING STRIPS TP 2, INCL. BITUM. BINDER	
LF	19,000

PLASTIC FILTER FABRIC FOR RIP-RAP UNDERLINER SY	
SUBTOTAL	150
AS DIRECTED BY ENGINEER	50
TOTAL	200

FLARED END SECTION GA STD 1120 EACH	
18" PIPE	6

FOUNDATION BACKFILL MATERIAL TYPE II, CU YD	
SUBTOTAL	8270
AS DIRECTED BY ENGINEER	230
TOTAL	8500

GRADING, COMPLETE STP-4001(7)	
TOTAL	LUMP SUM

STONE DUMPED RIPRAP TYPE 3, 12 INCH THICKNESS SQ YD	
SUBTOTAL	150
AS DIRECTED BY ENGINEER	50
TOTAL	200

CLASS B CONCRETE	
CU YD	75
FOR USE AS PIPE PLUGS AND OTHER MISCELLANEOUS CAPPING	

DRAIN INLET, 15 INCH	
AS DIRECTED BY ENGINEER	20 EACH

TRAFFIC CONTROL	
STP-4001(7)	LUMP SUM

FIELD ENGINEERS OFFICE, TYPE 3	
EACH	1

AGGREGATE SURFACE COURSE, INCLUDING MATERIAL AND HAUL	
TOTAL	3000 TONS

GRASSING		
DESCRIPTION	UNIT	TOTAL
PERMANENT GRASSING	AC	25
FERTILIZER, MIXED GRADE	TON	20
FERTILIZER, NITROGEN CONTENT	LB	2500
AGRICULTURAL LIME	TON	80
LIQUID LIME	GAL	65
EROSION CONTROL MATS	SY	150