DETAILED ESTIMATE

ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
	ROADWAY ITEMS		
150-1000	TRAFFIC CONTROL - STP-164-1(30)	LS	LUMP
150-5000	TRAFFIC CONTROL - TEMPORARY SAND LOADED ATTENUATOR MODULE	EA	4
153-1300	FIELD ENGINEERS OFFICE TP3	EA	1
201-1500	CLEARING AND GRUBBING - STP-164-1(30)	LS	LUMP
207-0203	FOUNDATION BACKFILL MATERIAL, TYPE II	CY	3600
222-1002	AGGREGATE DRAINAGE COURSE, TP 2	TN	350
205-0001	UNCLASS EXCAV	CY	217000
310-1101	GR AGGR BASE CRS, INCL MATL	TN	82700
318-3000	AGGREGATE SURFACE COURSE	TN	10000
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	500
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	TN	13800
402-3129	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL	TN	8700
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	TN	33800
402-4510	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED..	TN	1400
402-4514	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED...	TN	1200
413-1000	BITUM TACK COAT	GL	20900
433-1100	REINF CONC APPROACH SLAB, INCL CURB	SY	1500
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	420
441-0104	CONC SIDEWALK, 4 IN	SY	6100
441-0748	CONC MEDIAN, 6 IN	SY	1000
441-0754	CONC MEDIAN, 7½ IN	SY	110
441-4030	CONC VALLEY GUTTER, 8 IN	SY	420
441-4130	CONC GUTTER WITH RAISED EDGE, 6 IN X 30 IN	LF	360
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	15000
441-6740	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	LF	10300
456-2015	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	GLM	2
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	25
622-1033	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	LF	3000
622-1050	PRECAST CONCRETE MEDIAN BARRIER, METHOD 4	LF	1000
634-1200	RIGHT OF WAY MARKER	EA	174
641-1100	GUARDRAIL, TP T	LF	1600
641-1200	GUARDRAIL, TP W	LF	830
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	7
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	7
647-2120	PULL BOX, PB-2	EA	14
682-6140	CONDUIT, RIGID, 4 IN	LF	1400
	DRAINAGE ITEMS		
500-3101	CLASS A CONCRETE	CY	740
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CY	10
511-1000	BAR REINF STEEL	LB	142500
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	5250
550-1181	STORM DRAIN PIPE, 18 IN, H 10-15	LF	900
550-1182	STORM DRAIN PIPE, 18 IN, H 15-20	LF	220
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	1210
550-1241	STORM DRAIN PIPE, 24 IN, H 10-15	LF	190
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	1600
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	680
550-1421	STORM DRAIN PIPE, 42 IN, H 10-15	LF	140
550-1480	STORM DRAIN PIPE, 48 IN, H 1-10	LF	2300
550-1481	STORM DRAIN PIPE, 48 IN, H 10-15	LF	400
550-1483	STORM DRAIN PIPE, 48 IN, H 20-25	LF	210
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	390
550-3518	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	EA	2
550-3618	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	16
550-4218	FLARED END SECTION, 18 IN STORM DRAIN	EA	4
550-4224	FLARED END SECTION, 24 IN STORM DRAIN	EA	3
550-4230	FLARED END SECTION, 30 IN STORM DRAIN	EA	1
550-4236	FLARED END SECTION, 36 IN STORM DRAIN	EA	2
550-4242	FLARED END SECTION, 42 IN STORM DRAIN	EA	1
570-1000	CONSTR, MAINTAIN, & REMOVE DTEOUR DRAINAGE STR, NO. 1	LS	LUMP
570-1000	CONSTR, MAINTAIN, & REMOVE DTEOUR DRAINAGE STR, NO. 2	LS	LUMP
570-1000	CONSTR, MAINTAIN, & REMOVE DTEOUR DRAINAGE STR, NO. 3	LS	LUMP
668-1100	CATCH BASIN, GP 1	EA	57
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	43
668-1200	CATCH BASIN, GP 2	EA	19
668-1210	CATCH BASIN, GP 2, ADDL DEPTH	LF	110
668-2100	DROP INLET, GP 1	EA	17
668-2110	DROP INLET, GP 1, ADDL DEPTH	LF	14
668-2200	DROP INLET, GP 2	EA	2
668-2210	DROP INLET, GP 2, ADDL DEPTH	LF	7
668-4300	STORM SEWER MANHOLE, TP 1	EA	8
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	LF	10
668-7000	DRIVEWAY GRATE INLET, SPECIAL DESIGN, PIPE SIZE - 18 IN	EA	1
	PERMANENT EROSION CONTROL		
163-0240	MULCH	TN	650
441-0204	PLAIN CONC DITCH PAVING, 4 IN	SY	2400
603-2024	STONE-DUMPED RIP-RAP, TP 1, 24 IN	SY	700
603-2181	STONE-DUMPED RIP-RAP, TP 3, 18 IN	SY	180
603-7000	PLASTIC FILTER FABRIC	SY	880
700-6910	PERMANENT GRASSING	AC	30
700-7000	AGRICULTURAL LIME	TN	45
700-7010	LIQUID LIME	GL	120
700-8000	FERTILIZER MIXED GRADE	TN	21
700-8100	FERTILIZER NITROGEN CONTENT	LB	2300
715-2200	BITUMINOUS TREATED ROVING, WATERWAYS	SY	16500
716-2000	EROSION CONTROL MATS, SLOPES	SY	42000
	TEMPORARY EROSION CONTROL		
163-0232	TEMPORARY GRASSING	AC	15
163-0300	CONSTRUCTION EXIT	EA	4
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	EA	3
163-0520	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	LF	200
163-0521	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	EA	30
163-0530	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	LF	400
163-0531	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1 - STA 450+00 LT.	EA	1
163-0531	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1 - STA 450+50 RT.	EA	1
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	98
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	2
167-1500	WATER QUALITY INSPECTIONS	MO	12
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	15500
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	4200
643-8200	BARRIER FENCE, 4 FT	LF	100
	EROSION CONTROL MAINTENANCE		
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	7800
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	2100
165-0040	MAINTENANCE OF EROSION CONTROL CHECK DAMS/DITCH CHECKS	EA	30
165-0060	MAINTENANCE OF TEMPORARY SEDIMENT BASIN - STA 450+00 LT.	EA	1
165-0060	MAINTENANCE OF TEMPORARY SEDIMENT BASIN - STA 450+50 RT.	EA	1
165-0070	MAINTENANCE OF BALED STRAW EROSION CHECK	LF	400
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	3
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	4
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	98

PIPE CULVERT MATERIAL ALTERNATES
FOR PIEDMONT/BLUE RIDGE REGION

Type of Pipe Installation			CONCRETE	Corrugated Steel AASHTO M-36: Aluminum coated (type 2) Corr. Steel	Corrugated Steel AASHTO M-36: Plain Zinc Coated	Corrugated Aluminum AASHTO M-196: Plain Uncoated Aluminum	Plastic: Corr. Polyethylene AASHTO M-252	Plastic: Corr. Polyethylene Smooth Lined AASHTO M-294 Type "S"	Plastic: Poly Vinyl Chloride (PVC) Profile Wall AASHTO M-304
STORM DRAIN	Longitudinal Interstate and Travel Bearing		X						
STORM DRAIN	Longitudinal Non-Interstate and Non-Travel Bearing		X					X	X
CROSS DRAIN	Grade ≤10%	ADT<250	X					X	X
CROSS DRAIN	Grade ≤10%	250<ADT<1500	X						
CROSS DRAIN	Grade ≤10%	ADT>1500	X						
CROSS DRAIN	Grade >10%	ADT<250						X	X
CROSS DRAIN	Grade >10%	ADT>250							
Side Drain			X					X	X
Permanent Slope Drain				X	X	X		X	X
Perforated Underdrain				X	X	X	X	X	

NOTE:

1. Allowable materials are indicated by an "X"
2. Structural requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P, whichever is applicable, and the Standard Specifications.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-164-1(30)	19	406

REVISED 3/31/04

DATE	REVISIONS	DATE	REVISIONS

GEORGIA
DEPARTMENT OF TRANSPORTATION
DETAILED ESTIMATE
PROJ. STP-164-1(30)
COWETA AND FAYETTE COUNTIES
DATE: 1/20/04 SHT. 1 OF 2

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

3/31/2004 8:22:25 AM \\GDOT-DSN1\GOPLOT\GCF\GO_8850_MYLAR.GCF MSANDERS M:\322060\DGN\STP-164-1 (30)FINAL PLANS\DETEST1.PRF GO-RD3

3/31/2004 8:22:25 AM \\GDOT-DSN1\GOPLOT\GCF\GO_8850_MYLAR.GCF MSANDERS M:\322060\DGN\STP-164-1 (30)FINAL PLANS\DETEST1.PRF