DETAILED ESTIMATE

ITEM NO.	ITEM	UNIT	QUANTITY
	ROADWAY		
150-1000	TRAFFIC CONTROL	LUMP	✓
153-1200	FIELD ENGINEERS OFFICE, TYPE 2	EACH	1
201-1000	CLEARING AND GRUBBING - LUMP SUM	LUMP	✓
205-0001	UNCLASSIFIED EXCAVATION	CU YD	12000
206-0002	BORROW EXCAVATION, INCLUDING MATERIAL	CU YD	23000
207-0203	FOUNDATION BACKFILL MATERIAL TYPE 2	CU YD	24
310-1201	GRADED AGGREGATE SUBBASE COURSE, INCLUDING MATERIAL AND HAUL	TON	24860
318-3000	AGGREGATE SURFACE COURSE	TON	1040
> 400-0111@	ASPHALTIC CONCRETE "B" GROUP 1 OR 2, INCL BITUMINOUS MATERIAL & HYDRATED LIME	TON	4490
> 400-0120@	ASPHALTIC CONCRETE BASE GROUP 1 OR 2, INCL BITUMINOUS MATERIAL & HYDRATED LIME	TON	6280
> 400-0130@	ASPHALTIC CONCRETE "E" GROUP 2 ONLY, INCL BITUMINOUS MATERIAL & HYDRATED LIME	TON	8220
> 400-1812@	ASPHALTIC CONCRETE LEVELING, INCL BITUMINOUS MATERIAL & HYDRATED LIME	TON	3090
413-1000	BITUMINOUS TACK COAT	GAL	7530
441-0050	CONCRETE SLOPE DRAIN	SQ. YD.	3
441-0303	CONCRETE SPILLWAY, TYPE 3	EACH	1
441-4030	CONCRETE VALLEY GUTTER, 8IN	SQ YD	2640
441-5002	CONCRETE HEADER CURB, 6IN, TYPE 2	LIN FT	450
441-5003	CONCRETE HEADER CURB, 8IN, TYPE 3	LIN FT	450
441-5004	CONCRETE HEADER CURB, 9 IN, TYPE 4	LIN FT	450
441-6222	CONCRETE CURB AND GUTTER 8IN X 30IN, TYPE 2	LIN FT	20470
444-1000	SAWED JOINTS IN EXISTING PAVEMENTS	LIN FT	5400
500-3101	CLASS A CONCRETE	CU YD	190
500-3201	CLASS B CONCRETE, RET WALL	CU YD	670
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CU YD	5
500-9999	CLASS B CONCRETE, BASE OR PVMT WIDENING	CU YD	100
511-1000	BAR REINF STEEL	LB	23700
530-1003	WATERPROOFING, 3 PLY	SQ YD	21
550-1150	STORM DRAIN PIPE, 15IN, H=1-10	LIN FT	6260
550-1180	STORM DRAIN PIPE, 18IN, H=1-10	LIN FT	3010
550-1181	STORM DRAIN PIPE, 18 IN, H=10-15	LIN FT	18
550-1240	STORM DRAIN PIPE, 24 IN, H=1-10	LIN FT	420
550-1300	STORM DRAIN PIPE, 30 IN, H=1-10	LIN FT	67
550-1301	STORM DRAIN PIPE, 30 IN, H=10-15	LIN FT	37
550-4015	FLARED END SECTION, 15IN, STORM DRAIN	EACH	4
550-4018	FLARED END SECTION, 18IN, STORM DRAIN	EACH	1
550-4024	FLARED END SECTION, 24IN, STORM DRAIN	EACH	1
550-4030	FLARED END SECTION, 30 IN, STORM DRAIN	EACH	1
573-2006	UNDERDRAIN PIPE INCL DRAINAGE AGGREGATE 6IN	LIN FT	2000
603-6008	SAND CEMENT BAG RIP RAP, 8 IN.	SQ. YD.	2
611-9000	CAPPING MINOR STRUCTURE	EACH	5
615-1000	JACK OR BORE PIPE-STORM DRAIN PIPE, 18IN, CL.5	LIN FT	20
634-1200	RIGHT OF WAY MARKER	EACH	49
668-1100	CATCH BASIN, GP. 1	EACH	60
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LIN FT	24
668-1200	CATCH BASIN, GP 2	EACH	4
668-1210	CATCH BASIN, GP 2, ADDL DEPTH	LIN FT	12
668-2100	DROP INLET, GP 1	EACH	25
668-2110	DROP INLET, GP 1, ADDL DEPTH	LIN FT	8
668-7015	DRAIN INLET, 15 IN	EACH	6
	TEMPORARY EROSION CONTROL		
161-1000	TEMPORARY GRASSING	SQ YD	1600
163-2051	CONSTRUCTING AND MANTAINING BALED STRAW EROSION CHECK	LIN FT	3400
164-1000	STRAW MULCH STABILIZATION	SQ YD	7100
171-0010	TEMPORARY SILT FENCE TYPE A	LIN FT	11400
700-8000	FERTILIZER MIXED GRADE	TON	1
	EROSION CONTROL		
700-6001	GRASSING COMPLETE	LUMP	✓
700-6100	ADDITIONAL GRASSING	LB	100
700-7000	AGRICULTURAL LIME	TON	34
700-8000	FERTILIZER MIXED GRADE	TON	9
600-8100	FERTILIZER NITROGEN CONTENT	LB	1200
	HIGHWAY SIGNS AND PAVEMENT MARKINGS		
636-1014	HIGHWAY SIGNS, TP 1 MATL-REFL SHEETING, TP 1, LEVEL A	SQ FT	460
636-1023	HIGHWAY SIGNS, TP.2 MATL-REFL SHEETING, TP.1, LEVEL A	SQ FT	230
636-2010	GALV STEEL POSTS, TP 1	EACH	99
636-2020	GALV STEEL POSTS, TP 2	EACH	761
639-2001	STEEL WIRE STRAND CABLE 1/4 IN	LIN FT	600
639-2002	STEEL WIRE STRAND CABLE 3/8 IN	LIN FT	600
639-4002	STEEL STRAIN POLE, TP 2	EACH	10
653-0100	THERMOPLASTIC PVMT MARKING, RR/HWY CROSSING SYMBOL	EACH	2
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EACH	9
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EACH	31
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EACH	5
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	EACH	11
653-1404	THERMOPLASTIC SOLID TRAF STRIPE, 4 IN, WHITE	LIN FT	25800
653-1406	THERMOPLASTIC SOLID TRAF STRIPE, 4IN, YELLOW	LIN FT	23600
653-1604	THERMOPLASTIC SOLID TRAF STRIPE, 18IN, WHITE	LIN FT	390
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LIN FT	510
653-3404	THERMOPLASTIC SKIP TRAF STRIPE, 4 IN, WHITE	LIN FT	24500
653-3406	THERMOPLASTIC SKIP TRAF STRIPE, 4 IN, YELLOW	LIN FT	19800
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SQ YD	26
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SQ YD	150
654-0501	RAISED PVMT MARKERS, RECESSED, TP 1	EACH	600
654-0402	RAISED PVMT MARKERS, RECESSED, TP 2	EACH	370

GENERAL NOTES:

1. ALL BUILDING OBSTRUCTIONS EXCEPT POLE LINE FACILITIES AND UNDERGROUND FACILITIES ARE TO BE MOVED TO CLEAR RIGHT-OF-WAY BY OTHERS UNLESS OTHERWISE NOTED ON PLANS. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION, NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION BY THE RESPECTIVE OWNERS, UNLESS LATER ADDED TO THE CONTRACT AS A SUPPLEMENTAL ITEM.

2. THE CONTRACTOR WILL NOT BE PAID FOR ANY DELAYS OR EXTRA EXPENSE CAUSED BY UTILITY FACILITIES, OBSTRUCTIONS, OR ANY OTHER ITEMS NOT BEING REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK

3. THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WHICH CONFLICT WITH CONSTRUCTION ON THIS PROJECT. SEE SHEET NUMBERS INDICATED FOR DETAILS.

NAME OF UTILITY OWNER	TYPE OF FACILITY	SHEET NO.
GEORGIA POWER CO.	OVERHEAD LINES	74-94
SOUTHERN BELL T AND T	OVERHEAD LINES AND UNDERGROUND CABLES	74-94
GWINNETT CO. WATER SYSTEM	WATER LINES	74-94
ATLANTA GAS LIGHT CO.	UNDERGROUND GAS LINES	74-94
GWINNETT CABLE TV	OVERHEAD LINES	74-94

SPECIAL NOTES (UTILITIES)

ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS, AND NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY FACILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGNAL, RELOCATED OR NEWLY INSTALLED POSITION.

THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UNDERGROUND UTILITY FACILITIES, OTHER THAN SERVICE LINES FROM STREET MAINS TO ABUTTING PROPERTY, WHEN SUCH FACILITIES ARE NOT SHOWN ON THE HIGHWAY PLANS AND THEIR EXISTANCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGE OCCURING, PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS.

NOTE: THE ENTIRE PROJECT IS CONSIDERED TO BE WITHIN THE LIMITS OF AN INSECT INFESTED AREA. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS: (A) 155 INSECT CONTROL (B) 893 MISCELLANEOUS PLANTING MATERIALS.

NOTE: CONSTRUCTION LAYOUT IS A PART OF THIS CONTRACT SEE SECTION 149

THIS PROJECT IS 100 PERCENT WITHIN CONGRESSIONAL DISTRICT NO. 9

THIS PROJECT IS 100 PERCENT WITHIN GWINNETT CO.

Rev. 4-4-85
4-22-85
5-28-85

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	F013-1(37)	12	234