	F.A.(3) PR 378-B(2)	58	4	29

POLES & WIRES TO BE RELOCATED			
STATION	SIDE	POWER POLES DISTANCE	TELEPHONE POLES DISTANCE
1+00	LT.		16
4+00	LT.		16
6+00	RT.		19
8+00	RT.		17
10+50	RT.		16
13+50	LT.		16
31+50	LT.	24	

NAME OF UTILITY OWNER	ADDRESS
NORTH GA. E.M.C. MGR. W.L. MANTON	DALTON, GA.
W.E. McMURRAY TEL. CO. % THE E.B. BUSKEY, V.P. & GEN. MGR. WALTON CO. TELEPHONE COMPANY	LAFAYETTE, GA.

DETAILED ESTIMATE

ITEM	UNIT	QUANTITY
CLEARING AND GRUBBING ROADWAY (LUMP SUM)	ACRE	0.404
CLEARING AND GRUBBING	ACRE	11
UNCLASSIFIED EXCAVATION AND BORROW INCL. DITCHES, RAMPS, POND REMOVAL & INCL. MASS.	CU. YD.	75500
OVERHAUL ON EXCAVATION	STA. YD.	69600
COMPACTING SUBGRADE TREATMENT INCLUDING MATERIAL	CU. YD.	3100
SPECIAL OVERHAUL ON SUBGRADE TREATMENT	STA. YD.	7500
15" SIDE DRAIN PIPE	LIN. FT.	180
15" SIDE ROAD CROSS DRAIN PIPE	LIN. FT.	80
54" CROSS DRAIN PIPE HEIGHT OF FILL 1'-10"	LIN. FT.	150
78" STRUCTURAL PLATE CROSS DRAIN PIPE WITH RIVETED PLATE HEIGHT OF FILL 1'-10"	LIN. FT.	60
SAND CEMENT BAG RIP RAP ENTRANCES & DITCHES	SQ. YD.	100
EXCAVATION FOR CULVERTS AND MINOR STRUCTURES	CU. YD.	100
SELECTED MATERIAL FOR CULVERT FOUNDATION BACKFILL	CU. YD.	100
REMOVAL OF CONCRETE BOX CULVERT	LUMP	1
CLASS "A" CREST BASE INCLUDING MATERIAL	CU. YD.	4700
SPECIAL OVERHAUL CLASS "A" CREST BASE	STA. YD.	114000
TEMPLE SUBGRADE TREATMENT	SQ. YD.	85000
FINISHING AND DRESSING	SQ. YD.	56000
SEEDING OF SHOULDERS AND SLOPES AND S.D. PIPE	SQ. YD.	94000
FIRST APPLICATION OF FERTILIZER	TON	7
SECOND APPLICATION OF FERTILIZER (GRS NITROGEN)	LB.	270
AGRICULTURAL LIME	TON	14
WATER FOR SEEDING	M.GAL.	10
BITUMINOUS MULCH	SQ. YD.	9400
REINFORCED CONCRETE APPROACH SLAB	SQ. YD.	115
CONCRETE SPILLWAY TYPE 1	EACH	4
CLASS "A" CONCRETE APRON	CU. YD.	7
18" C.M. PIPE SLOPE DRAIN	LIN. FT.	100
DECK BEAM HIGHWAY GUARD RAIL	LIN. FT.	160
BRIDGE OVER DUCK CREEK STA. 18+75 TO STA. 19+95		
SUPERSTRUCTURE COMPLETE	LUMP	LUMP
CLASS "A" CONCRETE	CU. YD.	28
BAR REINFORCEMENT STEEL	LB.	3410
STEEL "H" PILING (12 BP 53)	LIN. FT.	450
STEEL "H" TEST PILES (12 BP 53)	EACH	3
LOADING TEST (REQUIRED)	EACH	1
CLEARING AND GRUBBING BRIDGE SITE (LUMP SUM)	ACRE	0.220
SAND CEMENT BAG RIP RAP	SQ. YD.	630
STONE RIPRAP RIP RAP	TON	315
REMOVAL OF EXISTING BRIDGE	LUMP	1

GENERAL NOTES ON UTILITY FACILITIES AND OTHER OBSTRUCTIONS

1. ALL OBSTRUCTIONS EXCEPT POLE LINE FACILITIES AND UNDERGROUND FACILITIES ARE TO BE MOVED TO CLEAR RIGHT OF WAY BY COUNTY OR CITY UNLESS COVERED BY A CONTRACT ITEM. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION NOT COVERED AS SPECIAL ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION AT THE EXPECTING OWNER'S EXPENSE 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 ITEM NOT BEING REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH ANY WORK TO BE PERFORMED BY UTILITY OWNERS OR OTHERS IN ANY RIGHT OF WAY CLEARANCE, AND ARRANGE A SCHEDULE OF OPERATIONS THAT WILL ALLOW FOR COMPLETION OF THE PROJECT WITHOUT UNDUE DELAY.

4. DATA SHOWN ON PLANS REGARDING CLASSIFICATION, LOCATION, EXTENT OF SOIL OR ROCK AT STRUCTURE SITES, OR IN PITS, ARE BASED ON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. THESE DATA ARE SHOWN AS INFORMATION ONLY, NOT GUARANTEED, AND DO NOT BIND THE STATE HIGHWAY DEPARTMENT IN ANY WAY.

5. UTILITY OWNERS HAVING FACILITIES WHICH MAY CONFLICT WITH CONSTRUCTION:

NAME OF UTILITY OWNER	TYPE OF FACILITY
NORTH GA. E.M.C. MANAGER W.L. MANTON	POLES & WIRES
W.E. McMURRAY TEL. CO. % MR. E.B. BUSKEY V.P. & GEN. MGR.	
WALTON CO. TEL. CO.	POLES & WIRES

FINAL SURVEY		DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK	BY	
NO.		

ORIGINAL SURVEY		DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK	BY	
NO.		