| FED. ROAD DIV. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 3 | GA. | I-85-1 (38)41 | 68 | 13 | 313 |

Rev. 4-24-68
Rev. 6-4-68
Rev. 6-7-68
Rev. 12-20-68
Rev. 2-12-69
Rev. 2-20-69
Rev. 4-1-69
Rev. 4-11-69
Rev. 4-16-69

# DETAILED ESTIMATE OF QUANTITIES

| ITEM CODE NO. | ITEM | UNIT | CONTRACT 2 TOTAL |
|---|---|---|---|
| | **ROADWAY** | | |
| 100-1000 | CLEARING AND GRUBBING - LUMP SUM | ACRE | 304.344 |
| 101-1000 | CLEARING AND GRUBBING | ACRE | 59.706 |
| 103-2730 | REMOVE CONCRETE AND ASPHALT PAVING | SQ. YD. | 2300 |
| 103-4315 | REMOVE CLASS "B" CONCRETE | CU. YD. | 6 |
| 104-1030 | UNCLASSIFIED EXCAVATION, INCLUDING HAUL | CU. YD. | 2167000 |
| 104-3020 | BORROW INCLUDING MATERIAL | CU. YD. | 371000 |
| 104-4020 | SELECTED BORROW, INCLUDING MATERIAL | CU. YD. | 134000 |
| 104-5000 | UNSTABLE MATERIAL EXCAVATION | CU. YD. | 1900 |
| 104-9000 | CHANNEL EXCAVATION | CU. YD. | 250 |
| 106-1000 | STRUCTURE EXCAVATION | CU. YD. | 12300 |
| 106-2100 | FOUNDATION BACKFILL MATERIAL, TYPE 1 | CU. YD. | 2300 |
| 106-2200 | FOUNDATION BACKFILL MATERIAL, TYPE 2 | CU. YD. | 2400 |
| 106-3300 | IMPERFECT TRENCH BACKFILL MATERIAL, TYPE 3 | CU. YD. | 130 |
| 112-1000 | SPECIAL OVERHAUL | UNIT YD | 1229000 |
| 114-1100 | OBLITERATION OF OLD ROADS | M.SQ.FT. | 10 |
| 222-1100# | AGGREGATE DRAINAGE COURSE, TYPE 1 | TON | 11300 |
| 201-3004 | SOIL-CEMENT MATERIAL, INCLUDING MATERIAL AND HAUL | CU.YD. | 3100 |
| 121-1000 | SPECIAL SUBGRADE COMPACTION AND TEST ROLLING | MILE | 5.652 |
| 201-7000 | PORTLAND CEMENT | BBL. | 24100 |
| 203-1122 | TOPSOIL BASE COURSE, CLASS "B", INCLUDING MATERIAL | CU. YD. | 4200 |
| 203-5704 | STABILIZER AGGREGATE, TYPE 1, INCLUDING MATERIAL AND HAUL | TON | 1830 |
| 201-2160 | SOIL-CEMENT STABILIZED BASE COURSE, 6 IN. | SQ.YD. | 7000 |
| 216-2364# | GRADED AGGREGATE, CEMENT STABILIZED, SUBBASE COURSE, 6 IN., INCLUDING MATERIAL AND HAUL | SQ. YD. | 233000 |
| 222-1300# | AGGREGATE DRAINAGE COURSE, TYPE 3 | TON | 28500 |
| 312-1000 | BITUMINOUS PRIME | GAL. | 105000 |
| 313-1000 | BITUMINOUS TACK COAT | GAL. | 18000 |
| 201-2180 | SOIL-CEMENT STABILIZED BASE COURSE, 8 IN. | SQ. YD. | 4000 |
| 324-1511 | BITUMINOUS SURFACE TREATMENT, STONE SIZE 5, TYPE I WITH SEAL | SQ. YD. | 12900 |
| 324-1720 | BITUMINOUS SURFACE TREATMENT, STONE SIZE 7, TYPE I | SQ. YD. | 9200 |
| 350-1120 | ASPHALTIC CONCRETE "A" OR "B" | TON | 4700 |
| 350-1500 | ASPHALTIC CONCRETE "E" | TON | 4400 |
| 350-1600 | ASPHALTIC CONCRETE "F" | TON | 8800 |
| 350-1700# | ASPHALTIC CONCRETE LEVELING | TON | 300 |
| 350-7000 | BITUMINOUS MATERIAL | GAL. | 329000 |
| 430-1080 | PLAIN PORTLAND CEMENT CONCRETE PAVING, 8 IN. | SQ. YD. | 13000 |
| 430-1090 | PLAIN PORTLAND CEMENT CONCRETE PAVING, 9 IN. | SQ. YD. | 181000 |
| 431-1400 | CONCRETE SLOPE PAVING 4 IN. | SQ. YD. | 4200 |
| 500-3101 | CLASS "A" CONCRETE | CU. YD. | 3600 |
| 500-3200 | CLASS "B" CONCRETE | CU. YD. | 140 |
| 511-2000 | BAR REINFORCEMENT STEEL | LB. | 447000 |
| 518-1150 | PIPE S.D., 15 IN., H=1-10 | LIN. FT. | 470 |
| 518-1180 | PIPE S.D., 18 IN., H=1-10 | LIN. FT. | 760 |
| 518-1240 | PIPE S.D., 24 IN., H=1-10 | LIN. FT. | 60 |
| 518-2151 | PIPE C.D., 15 IN., H=1-15 | LIN. FT. | 3600 |
| 518-2181 | PIPE C.D., 18 IN., H=1-15 | LIN. FT. | 350 |
| 518-2241 | PIPE C.D., 24 IN., H=1-15 | LIN. FT. | 1300 |
| 518-2242 | PIPE C.D., 24 IN., H=15-20 | LIN. FT. | 660 |
| 518-2243 | PIPE C.D., 24 IN., H=20-25 | LIN. FT. | 410 |
| 518-2301 | PIPE C.D., 30 IN., H=1-15 | LIN. FT. | 260 |
| 518-2302 | PIPE C.D., 30 IN., H=15-20 | LIN. FT. | 280 |
| 518-2361 | PIPE C.D., 36 IN. H=1-15 | LIN. FT. | 930 |
| 518-2426 | PIPE C.D., 42 IN. H=35-40 | LIN. FT. | 360 |
| 518-3151 | PIPE LONGITUDINAL 15 IN., H=1-15 | LIN. FT. | 5500 |
| 521-0061 | CONCRETE PIPE, 6 IN. NONREINFORCED | LIN. FT. | 480 |
| 540-1000 | SAWED JOINTS IN EXISTING PAVEMENTS | LIN. FT. | 380 |
| 557-1000 | CONSTRUCT, MAINTAIN AND REMOVE DETOUR DRAINAGE STRUCT. NO. 1 | LUMP | ✓ |
| 557-1000# | CONSTRUCT, MAINTAIN AND REMOVE DETOUR DRAINAGE STRUCT. NO. 2 | LUMP | ✓ |
| 557-1000# | CONSTRUCT, MAINTAIN AND REMOVE DETOUR DRAINAGE STRUCT. NO. 3 | LUMP | ✓ |
| 557-1000# | CONSTRUCT, MAINTAIN AND REMOVE DETOUR DRAINAGE STRUCT. NO. 4 | LUMP | ✓ |
| 557-1000# | CONSTRUCT, MAINTAIN AND REMOVE DETOUR DRAINAGE STRUCT. NO. 5 | LUMP | ✓ |
| 562-1000 | CULVERT PIPE REMOVED | LIN. FT. | 1250 |
| 564-1000 | CULVERT PIPE RELAID | LIN. FT. | 50 |
| 570-1000# | FIELD LABORATORY | EACH | 2 |
| 350-1800 | ASPHALTIC CONCRETE BASE COURSE | TON | 3600 |
| 571-1200# | FIELD ENGINEERS OFFICE, TYPE 2 | EACH | 1 |
| 605-0600 | PERFORATED PIPE UNDERDRAIN, 6 IN. | LIN. FT. | 94000 |
| 605-0800 | PERFORATED PIPE UNDERDRAIN 8 IN. | LIN.FT. | 5300 |
| 612-1100 | CATCH BASIN, GROUP I | EACH | 2 |
| 612-2100 | DROP INLET, GROUP I | EACH | 47 |
| 612-2110 | DROP INLET, GROUP I, ADDITIONAL DEPTH | LIN.FT. | 6 |
| 612-6109 | MEDIAN DROP INLET, GROUP I, SPECIAL DESIGN | EACH | 6 |
| 614-2005 | JUNCTION BOX, GA. STD. 9031-U | EACH | 10 |
| 614-3003 | SPRING BOXES, GA. STD. 9031-L | EACH | 3 |
| 617-1571 | CONCRETE CURB AND GUTTER, 8 IN. X 30 IN., TYPE I. GA. STD. 9032-A | LIN.FT. | 1420 |
| 617-8048 | CONCRETE MEDIAN, 4 IN. GA. STD. 9032-A | SQ. YD. | 104 |
| 624-1000 | REINFORCED CONCRETE APPROACH SLAB | SQ. YD. | 540 |
| 624-1100 | REINFORCED CONCRETE APPROACH SLAB INCLUDING CURB | SQ. YD. | 3330 |
| 634-1001 | RIGHT-OF-WAY MARKER, GA. STD. 9003 | EACH | 280 |
| 641-1000 | GUARDRAIL | LIN.FT. | 7600 |
| 641-6300# | GUARDRAIL ANCHORAGE, TYPE 3 | EACH | 36 |
| 216-1404 | GRADED AGGREGATE, CEMENT STABILIZED, BASE AND SHOULDER COURSE, INCLUDING MATERIAL AND HAUL | TON | 67100 |
| 151-1000# | MOBILIZATION | LUMP | ✓ |
| | **EROSION CONTROL** | | |
| 434-1400 | PLAIN CONCRETE DITCH PAVING, 4 IN. | SQ. YD. | 15400 |
| 500-3101 | CLASS "A" CONCRETE | CU. YD. | 150 |
| 511-2000 | BAR REINFORCEMENT STEEL | LB. | 4500 |
| 604-1220 | SAND CEMENT BAG RIP RAP, 8 IN. THICK | SQ. YD. | 60 |
| 608-1000 | CONCRETE SPILLWAY | EACH | 18 |
| 609-0080 | CORRUGATED METAL PIPE SLOPE DRAIN, 8 IN. | LIN. FT. | 450 |
| 609-0100 | CORRUGATED METAL PIPE SLOPE DRAIN, 10 IN. | LIN. FT. | 1000 |
| 609-0150 | CORRUGATED METAL PIPE SLOPE DRAIN, 15 IN. | LIN. FT. | 900 |
| 700-1000 | SEEDING | SQ. YD. | 331000 |
| 700-2000 | AGRICULTURAL LIME | TON | 480 |
| 700-3010 | FERTILIZER GRADE 4-12-12 | TON | 260 |
| 700-3020 | FERTILIZER NITROGEN CONTENT | LB. | 67000 |
| 160-1200# | AREA RECLAMATION, SEEDING OR SPRIGGING | ACRE | 79 |
| 700-5000 | BITUMINOUS TREATED MULCH | SQ. YD. | 808000 |
| 701-1000 | SPRIGGING | SQ. YD. | 645000 |
| 701-2000 | LOOSE SOD | SQ. YD. | 164000 |
| 701-3000 | BLOCK SOD | SQ. YD. | 5200 |
| 701-4000 | SOD DITCH CHECKS | SQ. YD. | 5400 |
| 708-1000 | PLANT TOPSOIL | CU. YD. | 21800 |
| 714-1000# | JUTE MESH | SQ. YD. | 400 |
| | OR | | |
| 715-1200# | BITUMINOUS TREATED GLASS FIBER, WATERWAYS | SQ. YD. | 400 |
| 716-1000# | STRAW MULCH STABILIZATION | SQ. YD. | 404000 |
| 720-1000# | EROSION CONTROL CHECK DAM-SPECIAL DESIGN | EACH | 2 |
| 700-7000 | MULCH | SQ. YD. | 95000 |
| | **FENCING** | | |
| 644-1000 | WOVEN WIRE FENCE | LIN. FT. | 73200 |
| 644-2000 | THREE-STRAND BARBED WIRE FENCE | LIN. FT. | 1100 |
| 644-3000 | CORNER AND/OR ANGLE POST ASSEMBLY | EACH | 280 |
| 644-4000 | ADDITIONAL APPROACH POST | EACH | 100 |
| 644-6000# | WOVEN WIRE FENCE GATE | EACH | 10 |

# DENOTES SUPPLEMENTAL SEPCIFICATION OR SPECIAL PROVISION REQUIRED.

SEE NEXT SHEET FOR BRIDGE QUANTITIES

## 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. 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 RIGHTS OF WAY CLEARANCE, AND ARRANGE A SCHEDULE OF OPERATIONS THAT WILL ALLOW FOR COMPLETION OF THE PROJECT WITHOUT UNDUE DELAY.

4. 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 NOS. |
|---|---|---|
| COWETA-FAYETTE E.M.C. | POWER | 89-91 |
| GEORGIA POWER COMPANY | POWER | 92-95 |
| SOUTHERN BELL TEL.&TEL. CO. | TELEPHONE | 96-100 |
| WESTERN UNION TELEGRAPH CO. | TELEGRAPH | 101 |
| NEWNAN WATER, SEWER & LIGHT COM | WATER | 102-103 |
| ATLANTA AND WEST POINT R.R. CO. | RAIL ROAD | 104 |
| ATLANTA GAS LIGHT CO. | NATURAL GAS | 105 |
| CENTRAL OF GEORGIA RR. CO. | RAILROAD | 42 |
| COWETA COUNTY, GEORGIA | WATER | 105A-105C |

### SPECIAL NOTE (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 ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.

THE CONTRACTOR WILL NOT BE HEL RESPONSIBILITY 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 EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGE'S OCCURRING, PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS.

8.5" 11" 17" 22"