# REQUIRED QUANTITIES PER SHEET

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | EDF-017-3(39) | 18 | 194 |

## QUANTITIES SHEET NO. 17

STA. 70+00 TO STA. 83+00

### EARTHWORK QUANTITIES

| STATION | CU. YD. ②UNCLASS EXCAVATION | CU. YD. ③UNCLASS EXCAVATION SHRINKAGE | CU. YD. EMBANKMENT | CU. YD. ③BORROW | CU. YD. ④BORROW | COMMENTS |
|---|---|---|---|---|---|---|
| MAINLINE | 4916 | 4179 | 47,048 | | | |
| SPECIAL DITCH | 869 | 739 | | | | |
| TOTAL | 5785 | 4918 | 47,048 | | | |

② NEAT VOLUME
③ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE EXCAVATION QUANTITIES WITHIN THE CONSTRUCTION AREA.
④ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE NEAT BORROW TO OBTAIN THE ADJUSTED BORROW PIT QUANTITY

### CLEARING AND GRUBBING

| ITEM | UNIT | AMOUNT |
|---|---|---|
| LUMP SUM | ACRE | 6.28 |
| | | 6.28 |

THE TOTAL ACREAGE IN THE RIGHT OF WAY, CONSTRUCTION EASEMENTS SHOWN FOR CLEARING AND GRUBBING (LUMP SUM) IS FOR ESTIMATING PURPOSES ONLY.
IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TOTAL ACREAGE SHOWN IN CASE HE ELECTS TO USE THE PLAN QUANTITY IN ESTABLISHING HIS BID PRICE. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IN CASE THE ACREAGE SHOWN IS LESS THAN THE ACTUAL ACREAGE, NOR WILL THE DEPARTMENT OF TRANSPORTATION CLAIM ANY REDUCTION IN PAYMENT IN CASE THE ACREAGE SHOWN EXCEEDS THE ACTUAL ACREAGE.

### GRASSING

| | UNIT | QUANTITY | FERTILIZER MIXED GRADE TON | FERTILIZER NITROGEN CONTENT LB. | AGRICULTURAL LIME TON |
|---|---|---|---|---|---|
| LUMP SUM | ACRE | 4.31 | 3.9 | 216 | 12.9 |
| TOTAL | | 4.31 | 3.9 | 216 | 12.9 |

(FOR ESTIMATING PURPOSES ONLY)

## QUANTITIES SHEET NO. 19

STA. 83+00 TO STA 98+00

Rev. 12-16-86

### EARTHWORK QUANTITIES

| STATION | CU. YD. ②UNCLASS EXCAVATION | CU. YD. ③UNCLASS EXCAVATION SHRINKAGE | CU. YD. EMBANKMENT | CU. YD. ③BORROW | CU. YD. ④BORROW | COMMENTS |
|---|---|---|---|---|---|---|
| MAINLINE | 55,500 | 47,175 | 19,265 | | | |
| SPECIAL DITCH | 135 | 115 | | | | |
| TOTAL | 55,635 | 47,290 | 19,265 | | | |

② NEAT VOLUME
③ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE EXCAVATION QUANTITIES WITHIN THE CONSTRUCTION AREA.
④ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE NEAT BORROW TO OBTAIN THE ADJUSTED BORROW PIT QUANTITY

### CLEARING AND GRUBBING

| ITEM | UNIT | AMOUNT |
|---|---|---|
| LUMP SUM | ACRE | 6.89 |
| | | 6.89 |

THE TOTAL ACREAGE IN THE RIGHT OF WAY, CONSTRUCTION EASEMENTS SHOWN FOR CLEARING AND GRUBBING (LUMP SUM) IS FOR ESTIMATING PURPOSES ONLY.
IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TOTAL ACREAGE SHOWN IN CASE HE ELECTS TO USE THE PLAN QUANTITY IN ESTABLISHING HIS BID PRICE. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IN CASE THE ACREAGE SHOWN IS LESS THAN THE ACTUAL ACREAGE, NOR WILL THE DEPARTMENT OF TRANSPORTATION CLAIM ANY REDUCTION IN PAYMENT IN CASE THE ACREAGE SHOWN EXCEEDS THE ACTUAL ACREAGE.

### GRASSING

| | UNIT | QUANTITY | FERTILIZER MIXED GRADE TON | FERTILIZER NITROGEN CONTENT LB. | AGRICULTURAL LIME TON |
|---|---|---|---|---|---|
| LUMP SUM | ACRE | 4.62 | 4.2 | 231 | 13.9 |
| TOTAL | | 4.62 | 4.2 | 231 | 13.9 |

(FOR ESTIMATING PURPOSES ONLY)

### STORM DRAIN PIPE, SLOPE DRAIN PIPE, REINFORCED CONCRETE BOX CULVERTS

| STATION | SKEW | STORM DRAIN PIPE-LIN. FT. 15" | 18" | 24" | 30" | 42" | 48" | HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT. | SAND-CEMENT BAG RIP RAP 6" THICK SQ. FT. | SIDE DRAIN PIPE LIN. FT. 18" | 24" | 30" | CONCRETE FLARED END SECTION GA. STD. 1120 EACH | REINFORCED CONCRETE BOX CULVERTS INCLUDING APRONS: LENGTH LIN. FT. | SIZE FT. × FT. | STANDARD | DESIGN | BAR REINFORCING STEEL LB. | CLASS "A" CONCRETE CU.YD. | FOUNDATION BACKFILL MATERIAL-TYPE II CU.YD. | GA. STD. 9031-S OR 9031-S PRECAST GROUP 1: MEDIAN DROP INLET HW6" OR LESS EA. | GROUP 1: MEDIAN DROP INLET HW6" OR LESS EA. | GROUP 1: ADDITIONAL DEPTH LIN. FT. | GROUP 2: MEDIAN DROP INLET HW6" OR LESS EA. | GROUP 2: ADDITIONAL DEPTH LIN. FT. | DROP INLET CONNECTION TO CONCRETE BOX CULVERT-GA. STD. 9031-L EA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82+90 | | | | 152 | | | | 15-20 | 1.5 | | | | 2-24" | | | | | | | | | | | | | |
| 79+13.5 | 60° RT. | | | | | | | | | | | | | 165 | DBL 9'8" | 2326 | 1 | 45257 | 443 | | | | | | | |
| TOTALS | | | | 152 | | | | | | | | | 2-24" | 165 | DBL 9'8" | | | 45257 | 443 | | | | | | | |

### REMOVE PARAPETS AND WING WALLS

| STATION | SIDE | SIZE OF BOX CULVERT | EACH |
|---|---|---|---|
| TOTAL | | | |

### PAVEMENT

| STATION | 1-1/2" TON | 2" TON | 4" TON | 8" S.Y. | S.Y. | TACK COAT GAL. | 6" AGGR. (SURF. COURSE) TON |
|---|---|---|---|---|---|---|---|
| MAINLINE | 772.42 | 1036.87 | 2090.34 | 9290 | | 697 | |
| PAVED SHOULDER | | 65.00 | 130.00 | | | 26 | |
| STA 72+00 DRIVE LT | | | | | | | 46 |
| TOTAL | 772.42 | 1036.87 | 2220.34 | 9290 | | 663 | 46 |

### CONCRETE RIGHT OF WAY MARKERS

| STATION | SIDE | EACH |
|---|---|---|
| 74+00 | R | 2 |
| 76+06.99 | R | 1 |
| 76+06.99 | L | 1 |
| 79+50.00 | R | 2 |
| 75+52.16 | | 1 |
| TOTAL | | 7 |

### DITCH PROTECTION

| STATION TO STATION | SIDE | BITUMINUS TREATED GLASS FIBER MULCH S.Y | PERMANENT SOIL REINFORCING MAT S.Y |
|---|---|---|---|
| 79+00 - 82+00 | LT | 302 | |
| TOTAL | | 302 | |

### EROSION CONTROL

| STATION | SILT GATES EACH TY 1 | TY 3 | TY 4 | TYPE A SILT FENCE LF | BALED STRAW | SLOPE DRAIN LF | STRAW MULCH SY |
|---|---|---|---|---|---|---|---|
| 70+50 | | | | | | 35 | |
| 72+00 | | | | | | 47 | |
| 73+00 | | | | | | 30 | |
| 74+00 | | | | | | 52 | |
| 75+00 | | | | | | 27 | |
| 76+00 | | | | | | 54 | |
| 77+00 | | | | | | 44 | |
| 78+00 | | | | | | 56 | |
| 82+00 | | | | | | 56 | |
| 70+00 to 77+00 | | | | | 100 | | |
| 79+00 | | | | | 50 | | |
| 79+00 to 82+00 | | | | 320 | | | |
| TOTALS | | | | 320 | 750 | 401 | 4991 |

### GUARD RAIL

| STA. TO STA. | SIDE | TYPE "W" BEAM L.F. | ANCHORAGE |
|---|---|---|---|
| 81+50 TO 83+50 | RT. | 113 | 1-TYPE 9 |

### WOVEN WIRE FENCE (L.F.)

2630

### STORM DRAIN PIPE, SLOPE DRAIN PIPE, REINFORCED CONCRETE BOX CULVERTS

| STATION | SKEW | STORM DRAIN PIPE-LIN. FT. 15" | 18" | 24" | 30" | 42" | 48" | HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT. | SIDE DRAIN PIPE LIN. FT. 15" | 18" | 24" | 30" | CONCRETE FLARED END SECTION GA. STD. 1120 EACH | REINFORCED CONCRETE BOX CULVERTS INCLUDING APRONS: LENGTH LIN. FT. | SIZE FT. × FT. | STANDARD | DESIGN | BAR REINFORCING STEEL LB. | CLASS "A" CONCRETE CU.YD. | FOUNDATION BACKFILL MATERIAL-TYPE II CU.YD. | GA. STD. 9031-S OR 9031-S PRECAST GROUP 1: MEDIAN DROP INLET HW6" OR LESS EA. | GROUP 1: MEDIAN DROP INLET HW6" OR LESS EA. | GROUP 1: ADDITIONAL DEPTH LIN. FT. | GROUP 2: MEDIAN DROP INLET HW6" OR LESS EA. | GROUP 2: ADDITIONAL DEPTH LIN. FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | |

### REMOVE PARAPETS AND WING WALLS

| STATION | SIDE | SIZE OF BOX CULVERT | EACH |
|---|---|---|---|
| TOTAL | | | |

### PAVEMENT

| STATION | 1-1/2" TON | 2" TON | 4" TON | 8" S.Y. | S.Y. | TACK COAT GAL. | COMMENT |
|---|---|---|---|---|---|---|---|
| MAINLINE | 891.25 | 1196.38 | 2411.93 | 10,690 | | 789 | |
| PAVED SHOULDER | | 75 | 150 | | | 30 | |
| DECEL. LANES | 59.4 | 79.2 | 158.2 | 688 | | 24 | |
| TOTAL | 950.7 | 1350.6 | 2720 | 11338 | | 789 | |

### CONCRETE RIGHT OF WAY MARKERS

| STATION | SIDE | EA. |
|---|---|---|
| 92+50.00 | L | 1 |
| 94+79.88 | R | 1 |
| 95+00.00 | L | 1 |
| 96+30.00 | R | 1 |
| TOTAL | | 4 |

### DITCH PROTECTION

| STATION TO STATION | SIDE | BITUMINUS TREATED GLASS FIBER MULCH S.Y | PERMANENT SOIL REINFORCING MAT S.Y |
|---|---|---|---|
| TOTAL | | | |

### WOVEN WIRE FENCE (L.F.)

2600

### EROSION CONTROL

| STATION | SILT GATES EACH TY 1 | TY 3 | TY 4 | TYPE A SILT FENCE LF | SLOPE DRAIN LF | STRAW MULCH SY |
|---|---|---|---|---|---|---|
| 83+50 | | | | | 43 | |
| 84+00 | | | | | 55 | |
| 83+00 TO 85+50 | | | | 260 | | |
| | | | | | | 796 |
| TOTALS | | | | 260 | 98 | 796 |

### GUARD RAIL

| STA. TO STA. | SIDE | TYPE "W" BEAM L.F. | ANCHORAGE |
|---|---|---|---|
| 83+00 TO 85+50 | RT. | 250 | 1-TYPE 1 |