# SUMMARY OF QUANTITIES

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | STP-1060(7) COWETA | 7 | 61 |

REVISED - 2-28-03
- 12-2-03

## AGGREGATE SURFACE COURSE

| | |
|---|---|
| AS REQUIRED | 100 TONS |

FOR USE IN INCLEMENT WEATHER TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC ALONG ROADWAY CONSTRUCTION AND TO PERMIT INGRESS & EGRESS AT DRIVES. WHEN USED FOR THIS PURPOSE, SECTION 318 OF GEORGIA STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPAVED AND MUDDY SUBGRADE.

THE CONTRACTOR WILL HAVE THE CHOICE OF THE FOLLOWING MATERIALS.

GRADED AGGREGATE - ART. 815.01
COARSE AGGREGATE - SIZE - 467 - ART. 800.01
STABILIZER AGGREGATE - TYPE 1 OR 2 - SECT. 803

ALL MATERIALS TO BE USED AS DIRECTED BY THE ENGINEER.

## BITUMINOUS TREATED ROVING WATERWAYS

| | |
|---|---|
| AS REQUIRED | 240 SQ. YD. |

* TO BE USED AS DIRECTED BY THE ENGINEER.

## CLASS "A" CONCRETE INCL. REINF. STEEL

| LOCATION | CU. YDS. |
|---|---|
| STA. 24+50.00 LT | 3.00 |
| STA. 24+50.00 RT | 3.00 |
| TOTAL | 6.00 |

## CONCRETE CURB & GUTTER 6"X 30" TYPE 2, STD. 9032-B

| STATION TO STATION | SIDE | LIN.FT. |
|---|---|---|
| 20+22.44 TO 21+80.27 | LT | 160 |
| 22+16.97 TO 25+52.26 | LT | 240 |
| 20+95.24 TO 21+87.24 | RT | 490 |
| 22+18.50 TO 25+52.26 | RT | 470 |
| TOTAL | | 1360 |

## CONCRETE RIGHT-OF-WAY MARKERS GA. STD. 9003

| | |
|---|---|
| EACH 14 | TOTAL |

## CONCRETE SPILLWAY-GA. STD. 9013 TYPE 1

| LOCATION | SIDE | EACH | CONC. SLOPE DRAIN $yd^2$ |
|---|---|---|---|
| STA. 22+39.34 | RT | 1 | 13 |
| TOTALS | | 1 | 13 |

## 4" CONCRETE SIDEWALK GA. STD. 9031 - W

| LOCATION | SQ. YD. |
|---|---|
| STA 20+47.25 TO 21+38.38 LT | 71 |
| STA 21.01.49 TO 21+32.82 RT | 19 |
| STA 22+64.14 TO 25+52.26 LT | 240 |
| STA 22+67.93 TO 25+52.26 RT | 230 |
| TOTAL | 560 |

## GRASSING

| ITEM | UNIT | QUANTITY | LIQUID LIME GAL | FERTILIZER MIXED GRADE TON | FERTILIZER NITROGEN CONTENT LB |
|---|---|---|---|---|---|
| PERMANENT GRASSING | ACRE | 1.98 | 5 | 2 | 94 |
| TEMPORARY GRASSING | ACRE | 1.98 | | | |
| MULCH | TON | 28.63 | | | |
| TOTAL | | | 5 | 2 | 94 |

*APPROXIMATELY 1.98 ACRES OF GRASSING WILL BE REQUIRED (FOR ESTIMATING PURPOSES ONLY). ACRES COMPUTED FROM GRASSING DETAIL DIMENSIONS.

## GRADING COMPLETE

| | |
|---|---|
| LUMP SUM | LUMP |

## DRAINAGE QUANTITIES

| STATION | SIDE | STORM DRAIN PIPE LIN. FT. 15" | 30" | * | FLARED END SECTION-EACH STD. 1120 * | * | * | HEIGHT OF FILL | SIDE DRAIN PIPE LIN. FT. 15" | * | * | FLARED END SECTION-EACH STD. 1120 15" | * | * | HEIGHT OF FILL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 +50 | | | 50 | | | | | 1-10 | | | | | | | |
| 25 +31 | | | | | | | | | 60 | | | 2 | | | 1-10 |
| + | | 4 | | | | | | | | | | | | | |
| TOTAL | | 4 | 50 | | | | | | 60 | | | 2 | | | |

SUMMARY FOR PIPE CULVERTS-
STORM DRAIN PIPE 30 IN., H 1-10 = 50 LIN. FT. STORM DRAIN PIPE 15 IN., H 1-10 = 4 LIN. FT.
SIDE DRAIN PIPE 15 IN., H 1-10 = 60 LIN. FT.

NOTE:
THE FOLLOWING MATERIALS MAY BE USED AS ALTERNATES FOR PIPE CULVERTS ON THIS PROJECT;

PIEDMONT/BLUE RIDGE REGION

## PIPE CULVERT MATERIAL ALTERNATES

| 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. POLY-ETHYLENE AASHTO M-252 | PLASTIC: CORR. POLY-ETHYLENE SMOOTHED 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 | | X | X |
| STORM DRAIN | CROSS DRAIN, GRADE ≤10% | ADT<250 | X | X | X | X | | X | X |
| STORM DRAIN | CROSS DRAIN, GRADE ≤10% | 250<ADT<1500 | X | X | | X | | | |
| STORM DRAIN | CROSS DRAIN, GRADE ≤10% | ADT>1500 | X | | | | | | |
| STORM DRAIN | CROSS DRAIN, GRADE >10% | ADT<250 | | X | X | X | | X | X |
| STORM DRAIN | CROSS DRAIN, GRADE >10% | ADT>250 | | | | X | | | |
| SIDE DRAIN | | | X | X | X | X | | X | X |
| PERMANENT SLOPE DRAIN | | | | X | X | X | | X | X |
| PERFORATED UNDERDRAIN | | | | X | X | X | X | X | |

NOTE: (X)=ALLOWABLE MATERIAL

## TRAFFIC CONTROL

| | |
|---|---|
| TOTAL | LUMP SUM |

## SURFACING QUANTITES

| ITEMS | UNIT | ROADWAY | DRIVES | TOTALS |
|---|---|---|---|---|
| REC. ASPH CONC LEVELING, INCL BITUM MATL & H. LIME | TON | 100 | | 100 |
| REC. ASPH CONC 9.5 MM SUPERPAVE GP 2 ONLY INCL BITUM MATL & H. LIME | TON | 370 | | 370 |
| REC. ASPH CONC 19 MM SUPERPAVE GP 1 OR 2 INCL BITUM MATL & H. LIME | TON | 80 | | 80 |
| REC. ASPH CONC 25 MM SUPERPAVE GP 1 OR 2 INCL BITUM & H. LIME | TON | 120 | | 120 |
| GRAD AGGR BASE CRS INCL MATL | TON | 320 | | 320 |
| BITUM TACK COAT | GAL | 210 | | 210 |

## STN DUMPED RIP RAP, TP 3, 24 in

| | |
|---|---|
| TOTAL | 81 $yd^2$ |

## EROSION CONTROL MATS, SLOPES AS DIRECTED BY ENGINEER

| | |
|---|---|
| TOTAL | 460 $yd^2$ |

## TEMPORARY EROSION CONTROL

| ITEM | UNIT | TOTAL |
|---|---|---|
| CONSTR AND REM BALED STRAW EROSION CHECK | ft | 920 |
| SILT CONTROL GATE TYPE 3 | EACH | 2 |
| TEMPORARY SILT FENCE TYPE C | ft | 524 |
| MAINTENENCE OF BALED STRAW EROSION CHECK | ft | 920 |
| MAINTENENCE OF SILT CONTROL GATE TYPE 3 | EACH | 2 |
| MAINTENENCE OF TEMPORARY SILT FENCE TYPE C | ft | 524 |

NOTE: THE TEMPORARY EROSION CONTROL QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.

## T-PLASTIC PVMT MARKING, ARROW TP 2

| | |
|---|---|
| TOTAL | 6 EACH |

## T-PLASTIC SOLID TRAFFIC STRIPE 5 in WHITE

| | |
|---|---|
| TOTAL | 3000 ft |

## T-PLASTIC SOLID TRAFFIC STRIPE 5 in YELLOW

| | |
|---|---|
| TOTAL | 1100 ft |

## T-PLASTIC SOLID TRAFFIC STRIPE 24 in WHITE

| | |
|---|---|
| TOTAL | 80 ft |

## T-PLASTIC SKIP TRAFFIC STRIPE 5 in WHITE

| | |
|---|---|
| TOTAL | 0.038 MILE |

## T-PLASTIC TRAFFIC STRIPE WHITE - DETAIL "A"

| | |
|---|---|
| TOTAL | 110 $yd^2$ |

## T-PLASTIC TRAFFIC STRIPE YELLOW - DETAIL "B"

| | |
|---|---|
| TOTAL | 260 $yd^2$ |

## CATCH BASIN, GP 1

| LOCATION | EA |
|---|---|
| STA. 24+50.00 LT | 1 |
| STA. 24+50.00 RT | 1 |
| TOTAL | 2 |

## SAFETY GRATE, TP 1

| LOCATION | $ft^2$ |
|---|---|
| STA. 24+50.00 LT | 29 |
| STA. 24+50.00 RT | 29 |
| TOTAL | 58 |

## CONCRETE VALLEY GUTTER 6 IN. STD. 6050

| STATION | SIDE | SQ. YDS. |
|---|---|---|
| STA 25+31.34 | LT | 19 |
| TOTAL | | 19 |

## 4" CONCRETE MEDIAN TYPE 7

| LOCATION | SQ. YD. |
|---|---|
| STA 21+85.26 LT | 82 |
| STA 21+76.52 RT | 34 |
| STA 22+28.02 LT | 34 |
| STA 22+26.51 RT | 30 |
| TOTAL | 180 |

## RAISED PVMT MARKERS TP 1 YELLOW

| | |
|---|---|
| TOTAL | 30 EA |

## RAISED PVMT MARKERS TP3 WHITE/RED

| | |
|---|---|
| TOTAL | 9 EA |

## PLASTIC FILTER FABRIC

| | |
|---|---|
| TOTAL | 81 $yd^2$ |

## 4" CONCRETE DITCH PAVING AS DIRECTED BY ENGINEER

| | |
|---|---|
| TOTAL | 200 $yd^2$ |

## T-PLASTIC SOLID TRAFFIC STRIPE 8 in WHITE

| | |
|---|---|
| TOTAL | 620 ft |

## SUMMARY OF SIGN QUANTITIES

| STATION | CODE | SIDE | SIGNS (ft2) TYPE 1 SIZE | QUANT. | ft2 | POSTS (ft) TYPE 2 LENGTH | QUANT. | ft |
|---|---|---|---|---|---|---|---|---|
| 21+40.36 | R1-2 | LT | 3x3x3 | 1 | 3.90 | 14.0 | 1 | 14.0 |
| 22+26.95 | R1-2 | LT | 3x3x3 | 1 | 3.90 | 14.0 | 1 | 14.0 |
| 22+59.62 | R1-2 | RT | 3x3x3 | 1 | 3.90 | 14.0 | 1 | 14.0 |
| TOTALS | | | | 3 | 7.80 | | 3 | 42.00 |

GENERAL NOTES (SIGNS)

1. ALL SIGNS SHALL BE MADE AND ERECTED IN ACCORDANCE WITH "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION, AND ANY SUPPLEMENT THERETO, THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR THE SPECIAL PROVISION.
2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT MUST BE WITHIN THE LIMITATIONS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION.
3. ALL SIGNS ON THIS PROJECT SHALL BE ERECTED AT A HEIGHT OF 5.00 ft ABOVE LEVEL OF ROADWAY EDGE TO BOTTOM OF SIGN.
4. REFLECTIVE SHEETING IS SPECIFIED FOR ALL SIGNS REQUIRING REFLECTORIZED BACKGROUND. TYPE 3, LEVEL A, REFLECTIVE SHEETING SHALL BE USED UNLESS OTHERWISE SPECIFIED. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSABLE ON THIS PROJECT

## SAFETY END SECTION 15" STORM DRAIN PIPE STA 10+41.18 LT

| | |
|---|---|
| TOTAL | 1 EACH |

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