

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK
 Volumes in Cubic Yards

| STATION TO STATION | | | | Uncl. Excav. | Undercut | Embank +% | Borrow | Waste |
|---|----------|----|----------|--------------|----------|-----------|--------|-------|
| L | 10+00.00 | TO | 38+64.48 | 1986 | | 217554 | 216178 | 610 |
| RAMPB | 10+00.00 | TO | 29+50.00 | 1252 | | 35867 | 34615 | |
| RAMPC | 10+00.00 | TO | 26+00.00 | 1277 | | 25344 | 24067 | |
| | | | SUBTOTAL | 4515 | | 278765 | 274860 | 610 |
| L | 39+78.81 | TO | 68+00.00 | 971 | | 262830 | 261859 | |
| RAMPA | 10+00.00 | TO | 25+00.00 | 153 | | 33883 | 33883 | 153 |
| RAMPD | 10+00.00 | TO | 29+50.00 | 1598 | | 45055 | 43457 | |
| | | | SUBTOTAL | 2722 | | 341768 | 339199 | 153 |
| Y1 | 11+50.00 | TO | 25+50.00 | 572 | | 460 | 25 | 137 |
| | | | SUBTOTAL | 572 | | 460 | 25 | 137 |
| TOTAL | | | | 7809 | | 620993 | 614084 | 900 |
| LOSS DUE TO CLEARING AND GRUBBING | | | | -100 | | | | 100 |
| EST. SHOULDER MATERIAL | | | | | | 6000 | 6000 | |
| PROJECT TOTAL | | | | 7709 | | 626993 | 620184 | 900 |
| ESTIMATE TO REPLACE TOPSOIL ON BORROW PIT | | | | | | | 31009 | |
| R-5719 GRAND TOTAL | | | | 7709 | | 626993 | 651193 | 900 |
| R-5719 ESTIMATE UNDERCUT | | | | | 500 | | | |
| R-5719 SAY | | | | 7800 | 500 | | 651200 | |
| U-5796 SAY | | | | 26900 | 3750 | | 276300 | |
| COMBINE SAY TOTAL | | | | 34700 | 4250 | | 927500 | |

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL
 -L- 15+50 - 19+75 (500 CY), -L- 59+20 - 68+00 (700 CY), RPB 10+00 - 14+10 (250 CY), RPC 10+00 - 13+70 (450 CY)
 RPC 23+90 - 25+05 (100 CY), RPD 26+70 - 29+30 (1300 CY), -Y1- 11+50 - 14+00 (200 CY), -Y1- 24+55 - 25+50 (100 CY)
 PER GEOTECH

SUMMARY OF RIP RAP

| LINE | STATION | LOCATION | PIPE SIZE | RIP RAP, CLASS II TONS | RIP RAP, CLASS I TONS | RIP RAP, CLASS B TONS | GEOTEXTILE FOR DRAINAGE SY |
|-------------------------|---------|----------|-----------|------------------------|-----------------------|-----------------------|----------------------------|
| RAMP_B | 10+15 | LT | 36" | | 11 | | 22 |
| RAMP_B | 14+62 | LT | 18" | | | 3 | 10 |
| RAMP_B | 20+58 | RT | 24" | | | 5 | 14 |
| -L- 23+70 TO RP B 24+50 | | | | | | 30 | 68 |
| RAMP_C | 21+87 | LT | 30" | | 11 | | 22 |
| L | 35+85 | RT | 15" | | | 2 | 7 |
| L | 39+75 | RT | 15" | | | 2 | 7 |
| L | 40+52 | LT | 15" | | | 2 | 7 |
| L | 42+61 | LT | 48" | | 73 | | 102 |
| RAMP_D | 25+25 | LT | 18" | | | 3 | 10 |
| RAMP_D | 19+83 | LT | 24" | | | 5 | 14 |
| RAMP_D | 15+20 | LT | 15" | | | 1 | 5 |
| RAMP_D | 13+29 | LT | 18" | | | 3 | 10 |
| RAMP_A | 21+76 | RT | 54" | | 46 | | 65 |
| L | 59+80 | LT | 24" | | 9 | | 19 |
| Y_1 | 17+95 | LT | 30" | | | 8 | 21 |
| FROM EROSION CONTROL | | | | | | | 1315 |
| R-5719 TOTAL | | | | | 150 | 64 | 1718 |
| R-5719 SAY | | | | | 150 | 70 | 1720 |
| U-5796 SAY | | | | | 53 | 18 | 633 |
| COMBINE TOTAL | | | | | 203 | 88 | 2353 |

WOVEN WIRE FENCE, 47" FABRIC

| STATION TO STATION | LOC | FABRIC L.F. | END BRACE | CORNER BRACE | LINE BRACE | 4" POSTS | 5" POSTS |
|-----------------------------|-----|-------------|-----------|--------------|------------|----------|----------|
| RAMP B 10+03.00 TO 10+29.00 | LT | 26.00 | | | | 2 | 0 |
| RAMP B 22+85.00 TO 24+59.00 | LT | 186.00 | | | | 13 | 0 |
| RAMP C 20+75.00 TO 21+50.00 | RT | 75.00 | | | | 5 | 0 |
| RAMP D 24+50.00 TO 25+25.00 | LT | 82.00 | | | | 6 | 0 |
| RAMP A 21+50.00 TO 21+90.00 | RT | 40.00 | | | | 3 | 0 |
| R-5719 TOTAL | | 409.00 | | | | 29 | 0 |
| R-5719 SAY | | 410.00 | | | | 30 | 0 |
| U-5796 SAY | | 2150.00 | | | | 150 | 20 |
| COMBINE TOTAL | | 2560 | | | | 180 | 20 |

ADDITIONAL BARBED WIRE (R-5719) 50 LF
 ADDITIONAL BARBED WIRE (U-5796) 50 LF
 COMBINE TOTAL 100 LF

SUMMARY OF REMOVAL OF EXISTING ASPHALT PAVEMENT

| STATION TO STATION | | | | | LOC | SQUARE YARDS |
|--------------------|-----|-------|----|-------|-----|--------------|
| L | STA | 23+00 | TO | 25+00 | LT | 618.92 |
| L | STA | 23+00 | TO | 25+00 | RT | 615.68 |
| L | STA | 56+50 | TO | 59+50 | LT | 935.58 |
| L | STA | 56+50 | TO | 59+50 | RT | 928.38 |
| Y1 | STA | 18+94 | TO | 21+69 | RT | 819.43 |
| Y1 | STA | 18+52 | TO | 23+41 | LT | 1155.08 |
| Y1 | STA | 24+85 | TO | 25+95 | RT | 24.00 |
| Y1 | STA | 24+44 | TO | 25+62 | LT | 10.13 |
| R-5719 TOTAL | | | | | | 5107.2 |
| R-5719 SAY | | | | | | 5110 |
| U-5796 SAY | | | | | | 3220 |
| COMBINE TOTAL | | | | | | 8330 |

SUMMARY OF BREAKING OF EXISTING ASPHALT PAVEMENT

| STATION TO STATION | | | | | LOC | SQUARE YARDS |
|--------------------|-----|-------|----|-------|-----|--------------|
| L | STA | 25+00 | TO | 38+50 | LT | 4177.03 |
| L | STA | 25+00 | TO | 38+23 | RT | 5074.62 |
| L | STA | 39+99 | TO | 56+50 | LT | 6464.99 |
| L | STA | 39+67 | TO | 56+50 | RT | 7007.78 |
| R-5719 TOTAL | | | | | | 22724.42 |
| R-5719 SAY | | | | | | 22730 |
| U-5796 SAY | | | | | | 4170 |
| COMBINE TOTAL | | | | | | 26900 |

DRAINAGE DITCH EXCAVATION

| STATION TO STATION | | | | | CY |
|--------------------|-------|----|-------|----|-------|
| L | 30+50 | TO | 37+50 | LT | 1797 |
| L | 37+50 | TO | 39+29 | LT | 908 |
| L | 40+15 | TO | 42+60 | LT | 827 |
| L | 42+71 | TO | 45+50 | LT | 594 |
| L | 33+00 | TO | 37+50 | RT | 729 |
| L | 37+50 | TO | 38+00 | RT | 80 |
| L | 39+50 | TO | 41+50 | RT | 1668 |
| L | 43+00 | TO | 47+14 | RT | 312 |
| RPA | 11+75 | TO | 16+50 | RT | 234 |
| RPB | 14+50 | TO | 18+00 | LT | 184 |
| RPB | 18+00 | TO | 20+50 | LT | 256 |
| RPB | 23+70 | TO | 24+50 | LT | 18 |
| RPB | 21+50 | TO | 26+50 | RT | 283 |
| RPC | 13+80 | TO | 21+50 | RT | 908 |
| RPD | 16+60 | TO | 21+50 | LT | 630 |
| RPD | 19+80 | TO | 26+50 | RT | 157 |
| Y1 | 22+00 | TO | 23+31 | LT | 107 |
| Y1 | 22+00 | TO | 22+50 | LT | 63 |
| RPD | 25+25 | | | LT | 15 |
| R-5719 TOTAL | | | | | 9770 |
| R-5719 SAY | | | | | 9770 |
| U-5796 SAY | | | | | 1350 |
| COMBINE TOTAL | | | | | 11120 |

SHOULDER BERM GUTTER SUMMARY

| STATION TO STATION | | | | | LOC | |
|--------------------|-----|----------|----|----------|-----|---------|
| L | STA | 35+81.90 | TO | 38+07.77 | RT | 225.87 |
| L | STA | 40+13.80 | TO | 42+39.67 | LT | 225.87 |
| RAMP D | STA | 10+00.00 | TO | 17+12.50 | LT | 712.50 |
| RAMP A | STA | 10+00.00 | TO | 11+06.25 | RT | 106.25 |
| L | STA | 56+99.99 | TO | 62+06.24 | RT | 506.25 |
| L | STA | 55+00.00 | TO | 63+50.00 | LT | 850.00 |
| R-5719 TOTAL | | | | | | 2626.74 |
| R-5719 SAY | | | | | | 2630 |
| U-5796 SAY | | | | | | 1440 |
| COMBINE TOTAL | | | | | | 4070 |

MILLING ASPHALT PAVEMENT, 1.5" DEPTH

| STATION TO STATION | | | | | SY |
|--------------------|----------|----|----------|----|-------|
| -L- | 10+00.00 | TO | 23+00.00 | LT | 4068 |
| -L- | 10+00.00 | TO | 23+00.00 | RT | 4041 |
| -L- | 59+50.00 | TO | 68+00.00 | LT | 2646 |
| -L- | 59+50.00 | TO | 68+00.00 | RT | 2637 |
| R-5719 TOTAL | | | | | 13392 |
| R-5719 SAY | | | | | 13400 |
| U-5796 SAY | | | | | 29130 |
| COMBINE TOTAL | | | | | 42530 |

PARCEL INDEX

| PARCEL NO. | SHEET NO. | PROPERTY OWNERS NAMES |
|------------|-----------|----------------------------------|
| 1 | 5,6 | MARGARET K. PRICE |
| 2 | 6 | MARGARET K. PRICE |
| 3 | 7,9 | SOUTHERN WAYNE RECREATION, INC. |
| 4 | 9 | DAVID K. HINES & TERESA W. KELLY |
| 5 | 9 | SOUTHERN WAYNE RECREATION, INC. |
| 6 | 9 | JOHN T. DAVIS JR. |
| 7 | 10 | EMMA M. LANE HEIRS |