

PROJECT 8.T311002 (R-2552C) COUNTY JOHNSTON SHEET 3 OF 3

| LINE | STATION | STATION | TOTAL EXCAV. (UNCL.) | ROCK EXCAV. | UNDERCUT EXCAV. | UNSUIT. EXCAV. | SUITABLE EXCAV. | TOTAL EMB. | ROCK EMB. | EARTH EMB. | EMB +20% | BORROW | ROCK WASTE | SUITABLE EARTH WASTE | UNSUIT. EARTH WASTE | TOTAL WASTE |
|---------------------------------------|---------|---------|----------------------|-------------|-----------------|----------------|-----------------|------------|-----------|------------|-----------|-----------|------------|----------------------|---------------------|-------------|
| TOTAL = | | | 320,617 | 35 | 27,221 | 157,587 | 162,995 | 1,101,042 | 35 | 1,101,007 | 1,321,242 | 1,197,206 | | 38,959 | 184,808 | 223,767 |
| LOSS DUE TO CLEARING & GRUBBING | | | -8,100 | | | | -8,100 | | | | | | | -8,100 | | -8,100 |
| SHOULDER MATERIAL | | | | | | | | 33,000 | | 33,000 | 39,600 | 39,600 | | | | |
| ADDITIONAL UNDERCUT | | | | | 4,000 | | | 4,000 | | | 4,800 | 4,800 | | | 4,000 | 4,000 |
| WASTE IN LIEU OF BORROW | | | | | | | | | | | | -30,859 | | -30,859 | | -30,859 |
| TOTAL = | | | 312,517 | 35 | 31,221 | 157,587 | 154,895 | 1,138,042 | 35 | 1,134,007 | 1,365,642 | 1,210,747 | | 0 | 188,808 | 188,808 |
| EST. 5% REPLACE TOPSOIL ON BORROW PIT | | | | | | | | | | | | 60,537 | | | | |
| SAY = | | | 313,000 | | 31,500 | | | | | | | 1,272,000 | | | | |

Note: Embankment volumes contain backfill for undercut
 -L2- Pavement Structure Volume = 18,442 m3
 -Y4- Pavement Structure Volume = 3,507 m3
 -FLYOVER- Pavement Structure Volume = 579 m3
 -RAMPA- Pavement Structure Volume = 578 m3
 -RAMPB- Pavement Structure Volume = 296 m3
 -RAMPC- Pavement Structure Volume = 0 m3
 -RAMPD- Pavement Structure Volume = 475 m3
 -LOOPB- Pavement Structure Volume = 393 m3
 -LOOPC- Pavement Structure Volume = 360 m3
 Total= 24,630 m3