

RECAPITULATION OF ROAD QUANTITIES

| ITEM | QUANTITY | UNIT |
|---|----------|------|
| CONTRACTOR CONSTRUCTION STAKING | 1 | LS |
| MOBILIZATION | 1 | LS |
| TRAFFIC CONTROL | 1 | LS |
| WATER POLLUTION CONTROL (INCLUDING TEMP. SEEDING) | 1 | LS |
| REMOVAL OF EXISTING STRUCTURES | 1 | LS |
| CLEARING AND GRUBBING | 1 | LS |
| EXCAVATION (COMMON) | 2868.0 | cu m |
| EXCAVATION (COMMON) (CONTRACTOR FURNISHED) | - | cu m |
| ROCK EXCAVATION (REMOVAL OF EXISTING PAVEMENT) | - | cu m |
| COMPACTION OF EARTHWORK (TYPE AA)(MR-0-5) | 90.0 | cu m |
| CURB AND GUTTER, COMBINED (AE)(TYPE I) | 521.9 | m |
| CURB AND GUTTER, COMBINED (AE)(TYPE I)(MODIFIED) | 245.0 | m |
| SIDEWALK CONSTRUCTION (100 mm) (AE) | 426.0 | sq m |
| CONCRETE PAVEMENT (240 mm)(UNIFORM)(AE)(NRDJ) | 4166.0 | sq m |
| AGGREGATE BASE, SPECIAL (250 mm) | 5010.3 | sq m |
| EXCAVATABLE FLOWABLE FILL | 492.5 | m |
| INLET (TYPE I), CURB | 2 | each |
| INLET (TYPE IA), CURB | 1 | each |
| INLET (TYPE IO), CURB | 6 | each |
| MANHOLE (TYPE P-STANDARD) | 6 | each |
| 375 mm STORM SEWER (RCP) (CLASS III) | 7.8 | m |
| 450 mm STORM SEWER (RCP) (CLASS III) | 9.3 | m |
| 600 mm STORM SEWER (RCP) (CLASS III) | 31.8 | m |
| 750 mm STORM SEWER (RCP) (CLASS III) | 6.5 | m |
| 1200 mm STORM SEWER (RCP) (CLASS IV) | 191.9 | m |
| CONNECT TO EXISTING MANHOLE/BOX CULVERT | 2 | each |
| LIGHTING | 1 | LS |
| SANITARY SEWER SYSTEM | | |
| MANHOLE (TYPE P-STANDARD)(LINED) | 2 | each |
| 250 mm SANITARY SEWER (DIP) | 245.2 | m |
| WATER DISTRIBUTION SYSTEM | | |
| 200 mm PIPE (DI CL S _J) | 233.2 | m |

CONCRETE PAVEMENT – GEOGRID REINFORCED BASE – BITUMINOUS PAVEMENT

| LOCATION | STATION TO STATION | 240 mm PC Concrete Pavement (UNIFORM)(AE) (NRDJ) sq m | 50 mm Asphaltic Concrete Surface Course sq m | 250 mm Geogrid Reinforced Aggregate Base sq m |
|-------------------|-------------------------|--|---|--|
| N. FRONTAGE RD. | 3+095.520 – 3+353.731 | 2 905.53 | - | 3 464.81 |
| ARMOUR FRONT. RD. | 49+822.000 – 49+963.274 | 1 260.44 | - | 1 545.48 |
| TOTALS | | 4 165.97 | - | 5 010.29 |

NOTE: EXCAVATABLE FLOWABLE FILL SHALL BE USED AROUND ALL UNDERGROUND SEWER PIPES, SANITARY AND STORMWATER INCLUSIVE.

CONCRETE CURB AND GUTTER

| LOCATION | STATION TO STATION | SIDE | LENGTH – m | |
|----------------------|-------------------------|-----------|------------|-----------------|
| | | | TYPE I | TYPE I MODIFIED |
| NORTH FRONTAGE ROAD | 3+095.520 – 3+353.731 | LT. & RT. | 232.97 | 244.97 |
| ARMOUR FRONTAGE ROAD | 49+822.000 – 49+963.274 | LT. & RT. | 288.96 | - |
| TOTALS | | | 521.93 | 244.97 |

NOTE: ROCK EXCAVATION (REMOVAL OF EXISTING PAVEMENT) IS INCIDENTAL TO EXCAVATION (COMMON).

EARTHWORK SUMMARY

| LOCATION | STATION TO STATION | EXCAVATION | | | | | | | | COMPACTION | | | PLACING SELECT SOIL m ³ | WASTE | |
|----------------------|-----------------------------------|----------------|-----|----------------------|-------|-----------------------------|------|----------------------|------|----------------|----------------|----------------|---------------------------------------|-------------------------|---------------------|
| | | COMMON | | ROCK (PVMT. REMOVAL) | | ROCK (WELLINGTON FORMATION) | | CONTRACTOR FURNISHED | | TYPE AA MR-0-5 | TYPE B MR-90 | TYPE | | * COMMON m ³ | ROCK m ³ |
| | | m ³ | VMF | m ³ | VMF | m ³ | VMF | m ³ | VMF | m ³ | m ³ | m ³ | | | |
| NORTH FRONTAGE ROAD | STA. 3+095.520 – STA. 3+353.731 | 2106 | 0.8 | - | 1.000 | - | 1.10 | - | 0.80 | 84 | - | | 2 001 | - | |
| ARMOUR FRONTAGE ROAD | STA. 49+822.000 – STA. 49+963.274 | 762 | 0.8 | - | 1.000 | - | 1.10 | - | 0.80 | 6 | - | | 756 | - | |
| TOTAL | | 2 868 | | - | | - | | - | | 90 | - | | 2 757 | - | |

* The material to be wasted may be used on the project, if acceptable to the Engineer.

NOTE: QUANTITIES SHOWN ARE FOR INFORMATION ONLY. THE CONTRACT WILL BE BASED ON A LUMP SUM BID AS NOTED IN THE PROJECT SPECIAL PROVISIONS.