

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | QUANTITY |
|--------------|--|-------------|-----------|
| 20200100 | EARTH EXCAVATION | CU YD | 160 |
| 20300100 | CHANNEL EXCAVATION | CU YD | 790 |
| ① 25001000 | SEEDING, CLASS 2 (SPECIAL) | ACRE | 0.3 |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 62 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 150 |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 20 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 420 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 2 |
| 28100209 | STONE RIPRAP, CLASS A5 | TON | 845 |
| ① 28200200 | FILTER FABRIC | SQ YD | 715 |
| 35100100 | AGGREGATE BASE COURSE, TYPE A | TON | 319 |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 21 |
| 40603310 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | TON | 69 |
| ① 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 44 |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 75 |
| 50300225 | CONCRETE STRUCTURES | CU YD | 96.8 |
| 50300280 | CONCRETE ENCASEMENT | CU YD | 8.6 |
| ① 50400305 | PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH) | SQ FT | 1,890 |
| ① 50400605 | PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH) | SQ FT | 2,400 |
| 50800105 | REINFORCEMENT BARS | POUND | 8,610 |
| * 50900205 | STEEL RAILING, TYPE S1 | FOOT | 290 |
| 51200957 | FURNISHING METAL SHELL PILES 12"x0.250" | FOOT | 168 |
| 51200959 | FURNISHING METAL SHELL PILES 14"x0.312" | FOOT | 414 |
| ① 51202305 | DRIVING PILES | FOOT | 582 |
| ① 51203200 | TEST PILE METAL SHELLS | EACH | 4 |
| 51204650 | PILE SHOES | EACH | 14 |
| 51500100 | NAME PLATES | EACH | 1 |
| ① 542D0220 | PIPE CULVERTS, CLASS D, TYPE 1 15" | FOOT | 44 |
| 58100200 | WATERPROOFING MEMBRANE SYSTEM | SQ YD | 483 |
| 58300100 | PORTLAND CEMENT MORTAR FAIRING COURSE | FOOT | 375 |
| ① 59300100 | CONTROLLED LOW-STRENGTH MATERIAL | CU YD | 14.2 |
| * 63100075 | TRAFFIC BARRIER TERMINAL, TYPE 5A | EACH | 2 |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 2 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| ① 70103700 | TRAFFIC CONTROL COMPLETE | L SUM | 1 |
| * ① 78201000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 4 |
| ① X5020501 | UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1 | EACH | 1 |
| ① X5020502 | UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2 | EACH | 1 |
| ① XX004450 | BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL | SQ YD | 481 |

① SEE SPECIAL PROVISIONS * SPECIALTY ITEMS CONSTRUCTION TYPE CODE: X080-2A

AGGREGATE BASE COURSE, TYPE A

| STATION TO STATION | THICKNESS | WIDTH | LENGTH | TON |
|---------------------|-----------|-------------|--------|------------|
| 18+25.00 - 18+75.00 | 1.00' | 21.24' AVG. | 50.00' | 74 |
| 18+75.00 - 19+27.50 | 1.00' | 23.00' | 52.50' | 85 |
| 20+72.50 - 21+25.00 | 1.00' | 23.00' | 52.50' | 85 |
| 21+25.00 - 21+75.00 | 1.00' | 21.42' AVG. | 50.00' | 75 |
| TOTAL | | | | 319 |

AGGREGATE SURFACE COURSE, TYPE B

| STATION TO STATION | WIDTH | LENGTH | TON |
|--------------------|--------------|--------|-----------|
| ENTR. - 18+37 LT | 16.0' & VAR. | 29.80' | 21 |
| TOTAL | | | 21 |

EROSION CONTROL BLANKET

| STATION TO STATION | SIDE | WIDTH | LENGTH | AREA (SQ YD) |
|--------------------|------|-------|--------|--------------|
| 18+47 - 19+40 | LEFT | 6' | 93' | 62 |
| TOTAL | | | | 62 |

BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL

| STATION TO STATION | WIDTH | LENGTH | SQ YD |
|---------------------|-------------|--------|------------|
| 18+25.00 - 18+75.00 | 20.24' AVG. | 50.00' | 112 |
| 18+75.00 - 19+27.50 | 22.00' | 52.50' | 128 |
| 20+72.50 - 21+25.00 | 22.00' | 52.50' | 128 |
| 21+25.00 - 21+75.00 | 20.42' AVG. | 50.00' | 113 |
| TOTAL | | | 481 |

TRAFFIC BARRIER TERMINAL, TYPE 5A

| STATION TO STATION | SIDE | EACH |
|---------------------|-------|----------|
| 19+14.25 - 19+27.50 | RIGHT | 1 |
| 20+72.50 - 20+85.75 | LEFT | 1 |
| TOTAL | | 2 |

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

| STATION TO STATION | SIDE | EACH |
|---------------------|-------|----------|
| 18+64.25 - 19+14.25 | RIGHT | 1 |
| 20+85.75 - 21+35.75 | LEFT | 1 |
| TOTAL | | 2 |

PIPE CULVERTS, CLASS D, TYPE 1 15"

| STATION | SIDE | FOOT |
|--------------|-------|-----------|
| 18+37 | LEFT | 22 |
| 18+51 | RIGHT | 22 |
| TOTAL | | 44 |

TEMPORARY DITCH CHECKS

| STATION | SIDE | EACH |
|--------------|------|----------|
| 18+95 | LEFT | 1 |
| 19+40 | LEFT | 1 |
| TOTAL | | 2 |

PIPE CULVERT REMOVAL

| STATION | SIZE | SIDE | FOOT |
|--------------|------|-------|-----------|
| 18+37 | 15" | LEFT | 22 |
| 18+51 | 15" | RIGHT | 22 |
| TOTAL | | | 44 |

EARTHWORK SUMMARY

| STATION TO STATION | EARTH EXCAVATION | CHANNEL EXCAVATION | STRUCTURE EXCAVATION | FILL | WASTE (SHORTAGE) |
|--------------------------|------------------|--------------------|----------------------|------------|------------------|
| | CU YD | CU YD | CU YD | CU YD | CU YD |
| RDWY 18+25.00 - 19+27.50 | 82 | | | 112 | (51) |
| RDWY 20+72.50 - 21+75.00 | 80 | | | 52 | 8 |
| CHANNEL | | 790 | | | |
| STRUCTURE | | | 75 | | |
| TOTAL | 162 | 790 | 75 | 164 | (43) |
| USE | 160 | 790 | 75 | - | (45)* |

* TO BE OBTAINED FROM SUITABLE STRUCTURE/CHANNEL EXCAVATION (© 25% SHRINKAGE)

PERIMETER EROSION BARRIER

| STATION TO STATION | SIDE | FOOT |
|--------------------|-------|------------|
| 18+25 - 18+50 | LEFT | 35 |
| 18+25 - 19+28 | RIGHT | 130 |
| 20+73 - 21+75 | LEFT | 135 |
| 20+73 - 21+75 | RIGHT | 120 |
| TOTAL | | 420 |

INLET & PIPE PROTECTION

| STATION | SIDE | EACH |
|--------------|-------|----------|
| 18+25 | LEFT | 1 |
| 18+40 | RIGHT | 1 |
| TOTAL | | 2 |