

SUMMARY OF QUANTITIES

X081-2A

| CODE NO. | ITEM | UNIT | QUANTITY |
|------------|---|--------|----------|
| 20100500 | TREE REMOVAL, ACRES | ACRE | 3.7 |
| 20200100 | EARTH EXCAVATION | CU YD | 488 |
| 20200500 | EARTH EXCAVATION (WIDENING) | CU YD | 11 |
| 20300100 | CHANNEL EXCAVATION | CU YD | 2375 |
| 20400800 | FURNISHED EXCAVATION | CU YD | 4863 |
| 20700400 | POROUS GRANULAR EMBANKMENT, SPECIAL | CU YD | 100 |
| 25000200 | SEEDING, CLASS 2 | ACRE | 2.8 |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 252 |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 252 |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 252 |
| 25100115 | MULCH, METHOD 2 | ACRE | 2.8 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 1600 |
| 28000300 | TEMPORARY DITCH CHECKS | EACH | 6 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 550 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 2 |
| 28100207 | STONE RIPRAP, CLASS A4 | TON | 947 |
| 28200200 | FILTER FABRIC | SQ YD | 584 |
| 30200650 | PROCESSING MODIFIED SOIL 12" | SQ YD | 3051 |
| 30201500 | LIME | TON | 79 |
| 35100100 | AGGREGATE BASE COURSE, TYPE A | TON | 1503 |
| 35400300 | PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8" | SQ YD | 49 |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 164 |
| 40600100 | BITUMINOUS MATERIALS (PRIME COAT) | GALLON | 1339 |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 7 |
| 40600635 | LEVELING BINDER (MACHINE METHOD), N70 | TON | 272 |
| 40603085 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 | TON | 347 |
| 40603315 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 | TON | 321 |
| 40800010 | BITUMINOUS MATERIALS (PRIME COAT) | GALLON | 8 |
| 40800030 | AGGREGATE (PRIME COAT) | TON | 2 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 4 |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 49 |
| 44004000 | PAVED DITCH REMOVAL | FOOT | 874 |
| 48100100 | AGGREGATE SHOULDERS, TYPE A | TON | 359 |
| 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 140 |
| 50300225 | CONCRETE STRUCTURES | CU YD | 148.8 |
| 50300280 | CONCRETE ENCASEMENT | CU YD | 8.4 |
| 50400505 | PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH) | SQ FT | 5391 |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 12800 |
| * 50901050 | STEEL RAILING, TYPE SM | FOOT | 360 |
| 51201400 | FURNISHING STEEL PILES HP10X42 | FOOT | 290 |
| 51201700 | FURNISHING STEEL PILES HP12X74 | FOOT | 438 |
| 51202305 | DRIVING PILES | FOOT | 290 |
| 51203400 | TEST PILE STEEL HP10X42 | EACH | 2 |
| 51500100 | NAME PLATES | EACH | 1 |
| 542D0229 | PIPE CULVERTS, CLASS D, TYPE 1 24" | FOOT | 62 |
| 54215559 | METAL END SECTIONS 24" | EACH | 2 |
| 58100200 | WATERPROOFING MEMBRANE SYSTEM | SQ YD | 616 |
| 58300100 | PORTLAND CEMENT MORTAR FAIRING COURSE | FOOT | 1797 |
| 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 60 |
| 60109580 | PIPE UNDERDRAINS FOR STRUCTURES 4" | FOOT | 125 |
| * 63000000 | STEEL PLATE BEAM GUARD RAIL, TYPE A | FOOT | 50 |
| * 63100087 | TRAFFIC BARRIER TERMINAL, TYPE 6A | EACH | 4 |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 3 |
| 63200305 | STEEL PLATE BEAM GUARD RAIL REMOVAL | FOOT | 1298 |
| * 63300725 | STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) | FOOT | 25 |
| 67000500 | ENGINEER'S FIELD OFFICE, TYPE B | CAL MO | 8 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 |
| 70300100 | SHORT-TERM PAVEMENT MARKING | FOOT | 132 |
| 70300625 | TEMPORARY PAINT PAVEMENT MARKING LINE 4" | FOOT | 700 |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 44 |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 50 |
| * 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 5000 |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 28 |
| * 78100105 | RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) | EACH | 4 |
| * 78200410 | GUARDRAIL MARKERS, TYPE A | EACH | 26 |
| * 78201000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 4 |
| X0323988 | TEMPORARY SOIL RETENTION SYSTEM | SQ FT | 825 |
| X5020501 | UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1 | EACH | 1 |
| X5020502 | UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2 | EACH | 1 |
| Z0062000 | SAW CUTTING | FOOT | 40 |
| Z0065000 | SETTING PILES IN ROCK | EACH | 12 |
| Z0030260 | IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 1 |

* SPECIALTY ITEMS

Δ Revised 12-22-08

UTILITIES

TELEPHONE: CONSOLIDATED COMMUNICATION
121 SOUTH 17TH STREET
MATTOON, ILLINOIS 61938
217-234-9979

POWER: SHELBY ELECTRIC CO-OP
NORTH RT. 128
SHELBYVILLE, ILLINOIS 62565
217-774-3986

RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

BITUMINOUS MATERIALS (PRIME COAT) = 0.30 GAL/SQ.YD. Aggregate

BITUMINOUS MATERIALS (PRIME COAT) = 0.10 GAL/SQ.YD Bituminous

AGGREGATE (PRIME COAT) = 6.0 LBS/SQ.YD.

HOT MIX ASPHALT = 112 LBS/SQ.YD.

AGGREGATE SHOULDERS = 2.10 TONS/CU.YD.

AGGREGATE SURFACE COURSE = 2.05 TONS/CU.YD.

AGGREGATE BASE COURSE TYPE A = 2.10 TONS/CU.YD.

FERTILIZER NUTRIENT = 90.0 POUNDS OF NUTRIENT / ACRE

MULCH, METHOD 2 = 2.0 TON / ACRE

PERMANENT SEEDING CLASS 2 MIX = 200 POUND / ACRE

TEMPORARY EROSION SEEDING = 200.0 POUND / ACRE

STONE RIP-RAP CLASS A-4 = 0.67 TON/SQ.YD.

SHELBY COUNTY HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES

SECTION 04-00256-00-BR