

SCHEDULE OF QUANTITIES

| | | | | |
|--------------------------------|----------------|-------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 807 | 00-00374-00-PV | CHAMPAIGN | 149 | 8 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 7 ILLINOIS | | F.A. PROJECT M-5181(38) | | |

CONTRACT NO. 91308

| LOCATION | THEORETICAL | | TOP SOIL SOURCE | | THEORETICAL TOP SOIL REQUIRED | | EARTH EXCAVATION CUT (7) | EMBANKMENT FILL (8) | EARTHWORK BALANCE WASTE (+) SHORTAGE (-) ADJ. FOR SHRINKAGE (9) | UNSUITABLE MATERIAL CUT (10) |
|--------------------------------|-------------|----------|-----------------|----------|-------------------------------|----------|--------------------------|---------------------|---|------------------------------|
| | CUT (1) | FILL (2) | CUT (3) | FILL (4) | CUT (5) | FILL (6) | | | | |
| STAGE 1 | | | | | | | | | | |
| DUNCAN RD, 114+00 TO 124+84.27 | 1,264 | 1,052 | 165 | 432 | 101 | 407 | 1,200 | 1,077 | -146 | 878 |
| ROLLING ACRES DRIVE SOUTH | 80 | 4 | 0 | 0 | 28 | 14 | 108 | 0 | 108 | 0 |
| ROLLING ACRES DRIVE NORTH | 37 | 2 | 0 | 0 | 13 | 8 | 50 | 0 | 50 | 0 |
| RELOCATED CHURCH DRIVE, LT. | 21 | 76 | 6 | 48 | 10 | 35 | 25 | 89 | -86 | 0 |
| WEST END OUTFALL DITCH | 197 | 0 | 0 | 0 | 469 | 0 | 666 | 0 | 666 | 0 |
| STAGE 1 SUBTOTAL | 1,599 | 1,134 | 171 | 480 | 621 | 464 | 2,049 | 1,166 | 592 | 878 |
| STAGE 2 | | | | | | | | | | |
| DUNCAN RD, 124+84.27 TO 127+42 | 126 | 522 | 53 | 176 | 43 | 134 | 116 | 564 | -589 | 125 |
| DUNCAN RD, 129+13 TO 141+00 | 11,928 | 662 | 1,015 | 352 | 1,117 | 337 | 12,030 | 677 | 11,184 | 592 |
| CURTIS RD, 30+44 TO 31+00 | 70 | 221 | 0 | 0 | 0 | 70 | 221 | -206 | 0 | 0 |
| CURTIS RD, 31+00 TO 47+20 | 17,844 | 441 | 1,650 | 212 | 919 | 195 | 17,113 | 458 | 16,541 | 1,167 |
| MARJORIE LANE | 81 | 3 | 0 | 0 | 13 | 18 | 94 | 0 | 94 | 0 |
| CHERRY HILLS DRIVE | 695 | 0 | 0 | 0 | 57 | 20 | 752 | 0 | 752 | 0 |
| STAGE 2 SUBTOTAL | 30,744 | 1,849 | 2,718 | 740 | 2,149 | 704 | 30,175 | 1,920 | 27,776 | 1,884 |
| STAGE 3 | | | | | | | | | | |
| CURTIS RD, 47+20 TO 61+00 | 11,211 | 34 | 1,268 | 47 | 543 | 58 | 10,486 | 23 | 10,457 | 940 |
| CURTIS RD, 61+00 TO 66+00 | 529 | 216 | 0 | 0 | 0 | 0 | 529 | 216 | 259 | 0 |
| MEADOW LANE | 76 | 8 | 0 | 0 | 9 | 20 | 85 | 0 | 85 | 0 |
| WYNSTONE DRIVE | 346 | 2 | 0 | 0 | 37 | 10 | 317 | 0 | 317 | 0 |
| EAST END TEMPORARY DITCH | 1,148 | 3 | 0 | 0 | 0 | 0 | 1,148 | 3 | 1,144 | 0 |
| STAGE 3 SUBTOTAL | 13,310 | 263 | 1,268 | 47 | 589 | 88 | 12,565 | 242 | 12,262 | 940 |
| TOTALS | 45,653 | 3,246 | 4,157 | 1,267 | 3,359 | 1,256 | 44,789 | 3,328 | 40,630 | 3,702 |
| ROUNDED TOTALS | | | 5,430 | | 4,620 | | 44,790 | | | 3,705 |

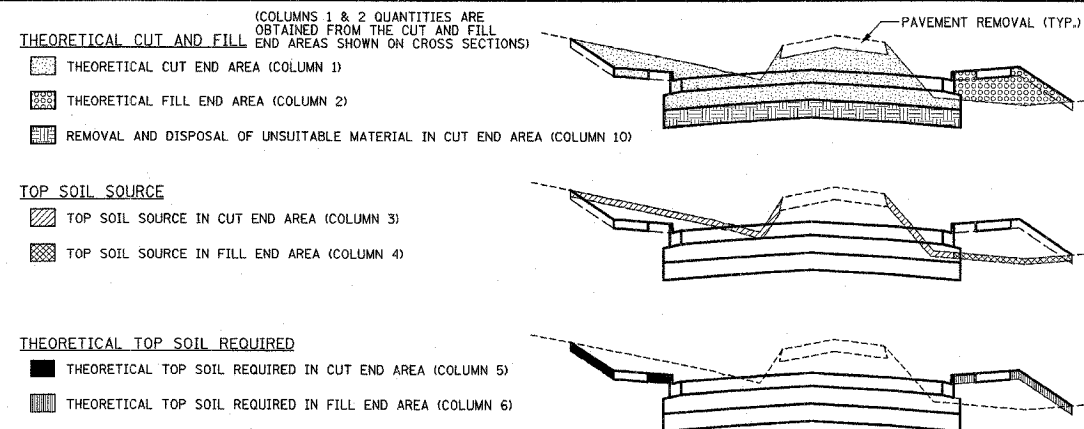
COLUMNS (1) & (2) FROM CROSS SECTIONS
 COLUMNS (3), (4), (5), (6) & (10) FROM CROSS SECTIONS & PLAN AREAS
 COLUMN (7) = (1) - (3) + (5)
 COLUMN (8) = (2) + (4) - (6)
 COLUMN (9) = (7) - (8) x S.F.
 S.F. = SHRINKAGE FACTOR, 1.25 FOR EMBANKMENT, NO SHRINKAGE FACTOR FOR TOP SOIL REQUIRED

COLUMNS (3) & (4) = PLAN QUANTITY FOR "TOPSOIL EXCAVATION AND PLACEMENT"
 COLUMNS (7) = PLAN QUANTITY FOR "EARTH EXCAVATION"
 COLUMN (10) = PLAN QUANTITY FOR "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL"

NOTES

- THE INDICATED EARTHWORK VOLUMES ARE ESTIMATES BASED ON THE "AVERAGE END AREA" METHOD OF CALCULATION. EARTHWORK VOLUMES WILL VARY WITH ACTUAL SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THESE ESTIMATES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL VOLUMES OF EARTH EXCAVATION AND EMBANKMENT WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE EMBANKMENT QUANTITIES AS SHOWN IN COLUMN 8 DO NOT ACCOUNT FOR SHRINKAGE FACTORS. A 25% SHRINKAGE FACTOR HAS BEEN APPLIED TO THE EMBANKMENT TO DETERMINE THE ESTIMATED VOLUME OF EARTH WASTE, AS SHOWN IN COLUMN 9.
- EXCESS EARTH MATERIALS FROM REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, SEWER TRENCHES AND EXCAVATIONS FOR STRUCTURES AND TRAFFIC SIGNAL EQUIPMENT ARE NOT INCLUDED IN THE EARTHWORK CALCULATIONS. EXCESS EARTH MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF DISPOSING OF EXCESS EARTH MATERIAL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- AN ESTIMATED QUANTITY FOR THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS HAS BEEN INCLUDED IN THE CONTRACT, AS SHOWN IN COLUMN 10. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE MEASURED AND PAID FOR AS DESCRIBED IN THE SPECIAL PROVISIONS.
- THE SALVAGED TOP SOIL (TOP SOIL SOURCE) SHALL BE STORED ON THE SITE AT LOCATIONS APPROVED BY THE ENGINEER UNTIL SUCH TIME THAT IT CAN BE PLACED IN IT'S FINAL LOCATION. THE VOLUMES SHOWN IN COLUMNS (3) & (4) WERE DETERMINED USING A DEPTH OF 4". THE VOLUMES SHOWN IN COLUMNS (5) & (6) WERE DETERMINED USING A DEPTH OF 6".

EXPLANATION OF THEORETICAL CUT AND FILL, TOP SOIL SOURCE AND THEORETICAL TOP SOIL REQUIRED COLUMNS



SEEDING, CLASS 2 - ITEM NO. 25000200

| FROM STATION | TO STATION | ACRE |
|---|------------|------|
| STAGE 1 - DUNCAN ROAD (OUTFALL STORM SEWER) | | |
| 4+37 E | 10+90 E | 0.5 |
| 0+33 E | 4+37 E | 0.6 |
| 0+00 E | WEST | 0.6 |
| STAGE 1 SUBTOTAL | | 1.7 |
| STAGE 2 - DUNCAN ROAD & CURTIS ROAD | | |
| STAGE 2 SUBTOTAL | | 0 |
| STAGE 3 - CURTIS ROAD | | |
| 61+00 RT. | 66+05 RT. | 0.2 |
| 61.00 LT. | 82+00 LT. | 1.8 |
| STAGE 3 SUBTOTAL | | 2.0 |
| TOTAL | | 3.7 |

MULCH, METHOD 2 - ITEM NO. 25100115

| FROM STATION | TO STATION | ACRE |
|---|------------|------|
| STAGE 1 - DUNCAN ROAD (OUTFALL STORM SEWER) | | |
| 4+37 E | 10+90 E | 0.5 |
| 0+33 E | 4+37 E | 0.6 |
| 0+00 E | WEST | 0.6 |
| STAGE 1 SUBTOTAL | | 1.7 |
| STAGE 2 - DUNCAN ROAD & CURTIS ROAD | | |
| STAGE 2 SUBTOTAL | | 0 |
| STAGE 3 - CURTIS ROAD | | |
| 61+00 RT. | 66+05 RT. | 0.2 |
| 61.00 LT. | 82+00 LT. | 1.8 |
| STAGE 3 SUBTOTAL | | 2.0 |
| TOTAL | | 3.7 |

SEEDING, CLASS 1 (SPECIAL) - ITEM NO. 25000900

| FROM STATION | TO STATION | ACRE |
|-------------------------------------|---------------|------|
| STAGE 1 - DUNCAN ROAD | | |
| 112+67 RT. | 124+84.27 RT. | 0.4 |
| 113+80 LT. | 124+84.27 LT | 0.8 |
| STAGE 1 SUBTOTAL | | 1.2 |
| STAGE 2 - DUNCAN ROAD & CURTIS ROAD | | |
| 124+84.27 RT | CURTIS RD. | 0.1 |
| 124+84.27 LT | CURTIS RD. | 0.1 |
| CURTIS RD. | 141+41 RT. | 1.1 |
| CURTIS RD. | 140+68 LT. | 0.9 |
| 30+42 RT. | 47+20 RT. | 0.9 |
| 30+42 LT. | 47+20 LT. | 1.5 |
| STAGE 2 SUBTOTAL | | 4.6 |
| STAGE 3 - CURTIS ROAD | | |
| 47+20 RT. | 61+00 RT. | 0.5 |
| 47+20 RT. | 61+00 LT. | 0.9 |
| STAGE 3 SUBTOTAL | | 1.4 |
| TOTAL | | 7.2 |

MULCH, SPECIAL - ITEM NO. X0321566

| FROM STATION | TO STATION | ACRE |
|-------------------------------------|---------------|------|
| STAGE 1 - DUNCAN ROAD | | |
| 112+67 RT. | 124+84.27 RT. | 0.4 |
| 113+80 LT. | 124+84.27 LT | 0.8 |
| STAGE 1 SUBTOTAL | | 1.2 |
| STAGE 2 - DUNCAN ROAD & CURTIS ROAD | | |
| 124+84.27 RT | CURTIS RD. | 0.1 |
| 124+84.27 LT | CURTIS RD. | 0.1 |
| CURTIS RD. | 141+41 RT. | 1.1 |
| CURTIS RD. | 140+68 LT. | 0.9 |
| 30+42 RT. | 47+20 RT. | 0.9 |
| 30+42 LT. | 47+20 LT. | 1.5 |
| STAGE 2 SUBTOTAL | | 4.6 |
| STAGE 3 - CURTIS ROAD | | |
| 47+20 RT. | 61+00 RT. | 0.5 |
| 47+20 RT. | 61+00 LT. | 0.9 |
| STAGE 3 SUBTOTAL | | 1.4 |
| TOTAL | | 7.2 |

FERTILIZER NUTRIENTS (NITROGEN, PHOSPHORUS, POTASSIUM) ITEM NO. 25000400, 25000500, 25000600

| LOCATION | POUND |
|-------------------------------------|-------|
| STAGE 1 - DUNCAN ROAD | |
| SEE SEEDING CLASS 1 FOR LOCATIONS | 108 |
| SEE SEEDING CLASS 2 FOR LOCATIONS | 153 |
| STAGE 1 SUBTOTAL | 261 |
| STAGE 2 - DUNCAN ROAD & CURTIS ROAD | |
| SEE SEEDING CLASS 1 FOR LOCATIONS | 414 |
| SEE SEEDING CLASS 2 FOR LOCATIONS | 0 |
| STAGE 2 SUBTOTAL | 414 |
| STAGE 3 - CURTIS ROAD | |
| SEE SEEDING CLASS 1 FOR LOCATIONS | 126 |
| SEE SEEDING CLASS 2 FOR LOCATIONS | 180 |
| STAGE 3 SUBTOTAL | 306 |
| TOTAL | 981 |

SODDING - ITEM NO. 25200100

| FROM STATION | TO STATION | SO YD |
|-------------------------------------|---------------|---------|
| STAGE 1 - DUNCAN ROAD | | |
| 113+20 RT. | 114+00 RT. | 53.6 |
| 113+80 LT. | 114+00 LT. | 13.3 |
| ROLLING ACRES MEDIAN | | 187.7 |
| 124+40 LT. | 124+84.27 LT. | 29.6 |
| STAGE 1 SUBTOTAL | | 284.2 |
| STAGE 2 - DUNCAN ROAD & CURTIS ROAD | | |
| 124+84.27 LT | 125+93 LT. | 75.7 |
| 129+00 RT. | 130+40 RT.. | 93.6 |
| 130+95 LT. | 137+41 LT. | 466.6 |
| 134+50 RT. | 141+35 RT. | 446.3 |
| STAGE 2 SUBTOTAL | | 1,082.2 |
| STAGE 3 - CURTIS ROAD | | |
| STAGE 3 SUBTOTAL | | 0 |
| TOTAL | | 1,366 |

FOR ADDITIONAL SCHEDULES OF QUANTITIES AND BILL OF MATERIALS SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS, REMOVALS/RELOCATIONS PLANS, PLAN AND PROFILE SHEETS, PAVEMENT MARKING PLANS, ROADWAY LIGHTING PLANS, TRAFFIC SIGNAL PLANS, AND TREE PLANTING PLANS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE : 8-05
 DRAWN BY : S.M.W.
 CHECKED BY : R.L.H.