

# SCHEDULE OF QUANTITIES

|                     |         |          |                  |           |
|---------------------|---------|----------|------------------|-----------|
| F.A.P. RTE.         | SECTION | COUNTY   | TOTAL SHEETS     | SHEET No. |
| 315                 | 34-5    | HANCOCK  | 612              | 28        |
| STA.                |         | TO STA.  |                  |           |
| FED. ROAD DIST. No. |         | ILLINOIS | FED. AID PROJECT |           |

| EARTHWORK SCHEDULE |                    |             |         |                 |                    |   |         |                    |         |             |                 |                             |                      |
|--------------------|--------------------|-------------|---------|-----------------|--------------------|---|---------|--------------------|---------|-------------|-----------------|-----------------------------|----------------------|
| LOCATION           | DESCRIPTION        | 1           | 2       | 3               | 4                  | 5   | 6       | 7                  | 8       | 9           | 10              | 11                          | 12                   |
|                    |                    | THEORETICAL |         | ROCK EXCAVATION | CHANNEL EXCAVATION | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | TOPSOIL | ADJUSTED EARTHWORK |         |             | EXCESS (BORROW) | CUMMULATIVE EXCESS (BORROW) | FURNISHED EXCAVATION |
|                    |                    | CUT         | FILL    |                 |                    |   |         | CUT                | FILL    | FILL X 1.25 |                 |                             |                      |
|                    |                    |             |         |                 |                    |   |         | (CU YD)            |         |             |                 |                             |                      |
| STAGE III          |                    |             |         |                 |                    |   |         |                    |         |             |                 |                             |                      |
| MAINLINE           | 1231+50 TO 1244+00 | 344         | 11,008  |                 |                    | 200   | 993     | 344                | 11,008  | 13,760      | -13,416         | -13,416                     | 10,733               |
|                    | 1244+00 TO 1256+00 | 428         | 32,457  |                 |                    |   | 1,294   | 428                | 32,457  | 40,572      | -40,144         | -53,560                     | 32,115               |
|                    | 1256+00 TO 1270+00 | 11,188      | 10,006  |                 |                    |   | 1,854   | 11,188             | 10,006  | 12,508      | -1,320          | -54,880                     | 1,056                |
|                    | 1270+00 TO 1284+00 | 6,910       | 8,664   |                 |                    |   | 1,415   | 6,910              | 8,664   | 10,830      | -3,920          | -58,800                     | 3,136                |
|                    | 1284+00 TO 1297+00 | 2,394       | 7,378   |                 |                    |   | 1,125   | 2,394              | 7,378   | 9,223       | -6,829          | -65,629                     | 5,463                |
|                    | 1297+00 TO 1311+00 | 361         | 6,292   |                 |                    |   | 837     | 361                | 6,292   | 7,865       | -7,504          | -73,133                     | 6,003                |
|                    | 1311+00 TO 1325+00 | 3,359       | 17,056  |                 |                    |   | 1,628   | 3,359              | 17,056  | 21,320      | -17,961         | -91,094                     | 14,369               |
|                    | 1325+00 TO 1338+00 | 1,262       | 14,916  |                 |                    |   | 1,427   | 1,262              | 14,916  | 18,645      | -17,383         | -108,477                    | 13,906               |
|                    | 1338+00 TO 1352+00 | 352         | 9,731   |                 |                    |   | 481     | 352                | 9,731   | 12,164      | -11,812         | -120,289                    | 9,449                |
|                    | 1352+00 TO 1366+00 | 244         | 834     |                 |                    |   |         | 244                | 834     | 1,043       | -799            | -121,088                    | 639                  |
|                    | 1366+00 TO 1406+00 |             |         |                 |                    |   | 187     |                    |         |             |                 |                             |                      |
|                    | 1406+00 TO 1418+00 | 506         | 1,120   |                 |                    |   |         | 506                | 1,120   | 1,400       | -894            | -121,982                    | 715                  |
| TR 320             |                    | 14,587      | 4       |                 |                    |   | 502     | 14,587             | 4       | 5           | 14,582          | -107,400                    | -11,666              |
| TR 358             |                    | 406         | 3,149   |                 |                    |   | 390     | 406                | 3,149   | 3,937       | -3,531          | -110,931                    | 2,824                |
| STAGE III TOTALS   |                    | 42,341      | 122,615 | 0               | 0                  | 200   | 12,133  | 42,341             | 122,615 | 153,272     | -110,931        | -110,931                    | 88,742               |
| STAGE IV           |                    |             |         |                 |                    |   |         |                    |         |             |                 |                             |                      |
| MAINLINE           | 1152+00 TO 1166+50 | 919         |         |                 |                    |   |         | 919                | 0       | 0           | 919             | 919                         | -735                 |
|                    | 1166+50 TO 1182+00 |             |         |                 |                    |   | 298     | 0                  | 0       | 0           | 0               | 919                         | 0                    |
| STAGE IV TOTALS    |                    | 919         | 0       | 0               | 0                  | 0   | 298     | 919                | 0       | 0           | 919             | 919                         | -735                 |
| PROJECT TOTAL      |                    | 712,172     | 985,262 | 17,593          | 1,025              | 600   | 56,238  | 712,172            | 985,262 | 1,231,599   | -519,427        | -519,427                    | 415,524              |

**NOTES:**

A MASS DIAGRAM FOR THE EARTHWORK IS NOT INCLUDED IN THESE PLANS AND WILL NOT BE AVAILABLE TO THE CONTRACTOR UPON REQUEST. THE EARTHWORK SCHEDULE HAS BEEN INCLUDED IN THESE PLANS TO TAKE THE PLACE OF THE NEED FOR A MASS DIAGRAM. THE SCHEDULE GIVES QUANTITIES IN "COLUMN 10" FOR EXCESS EXCAVATION OR BORROW REQUIRED IN EACH SPECIFIED AREA ALONG THE LIMITS OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE REQUIRED HAUL DISTANCES AND QUANTITIES FROM THE INFORMATION SHOWN.

ALL TOPSOIL NECESSARY FOR PLACEMENT ON THIS PROJECT SHALL BE TAKEN FROM CUT AREAS WITHIN THE CONSTRUCTION LIMITS.

QUANTITIES FOR THE DEGRADING OF EXISTING CONDITIONS HAVE BEEN INCLUDED IN THE APPROXIMATE STATION RANGE WHERE SUCH DEGRADING TAKES PLACE.

A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES.  
SHRINKAGE FACTOR = 1.00/(1.00-0.20) = 1.00/0.80 = 1.25.

COLUMN 9 = COLUMN 8 X 1.25 (SHRINKAGE FACTOR)  
COLUMN 10 = COLUMN 7 - COLUMN 9  
COLUMN 12 = COLUMN 8 - (COLUMN 7 X 0.80)

EARTH EXCAVATION = COLUMN 7  
(PAY ITEM QUANTITY) = 712,172 CU YD

FURNISHED EXCAVATION = COLUMN 12  
(PAY ITEM QUANTITY) = 415,524 CU YD

ROCK EXCAVATION = COLUMN 3  
(PAY ITEM QUANTITY) = 17,600 CU YD

CHANNEL EXCAVATION = COLUMN 4  
(PAY ITEM QUANTITY) = 1,025 CU YD

REMOVAL AND DISPOSAL OF SUITABLE MATERIAL = COLUMN 5  
(PAY ITEM QUANTITY) = 600 CU YD

TOPSOIL EXCAVATION AND PLACEMENT = COLUMN 6  
(PAY ITEM QUANTITY) = 56,238 CU YD

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

## SCHEDULES OF QUANTITIES

SCALE:  
DATE: MARCH 10, 2006

DRAWN BY: RG  
CHECKED BY: JAC

\*DGN: SPEC\*  
 \*DATE: TIME\*  
 \*REF: 01