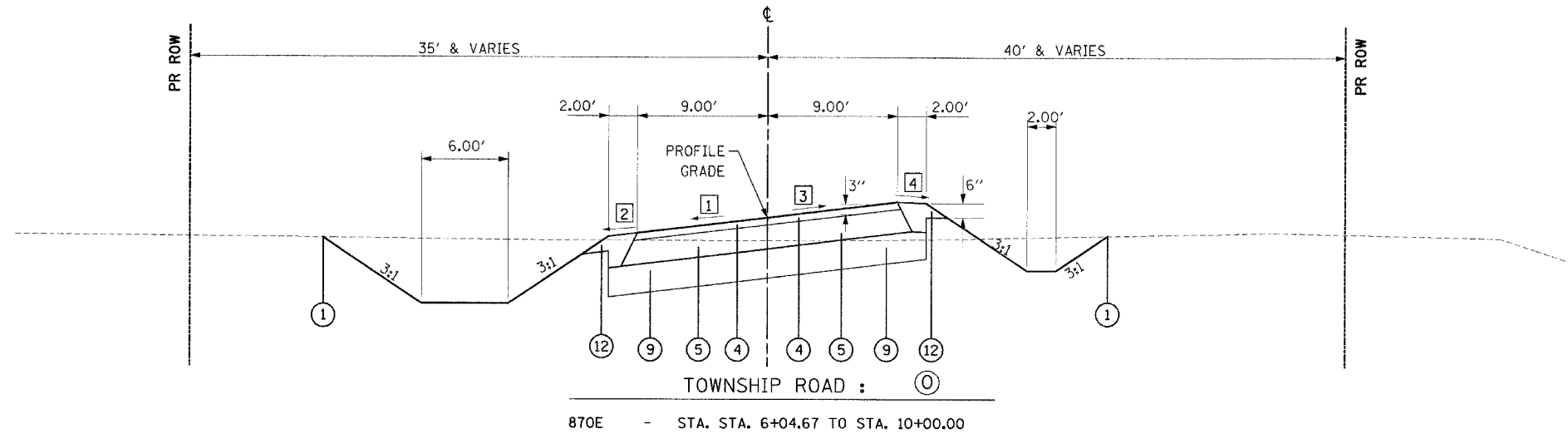


|                     |                |                           |              |           |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A.S. RTE.         | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 642                 | 99-00124-02-PV | COLES                     | 229          | 12        |
| STA.                |                | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



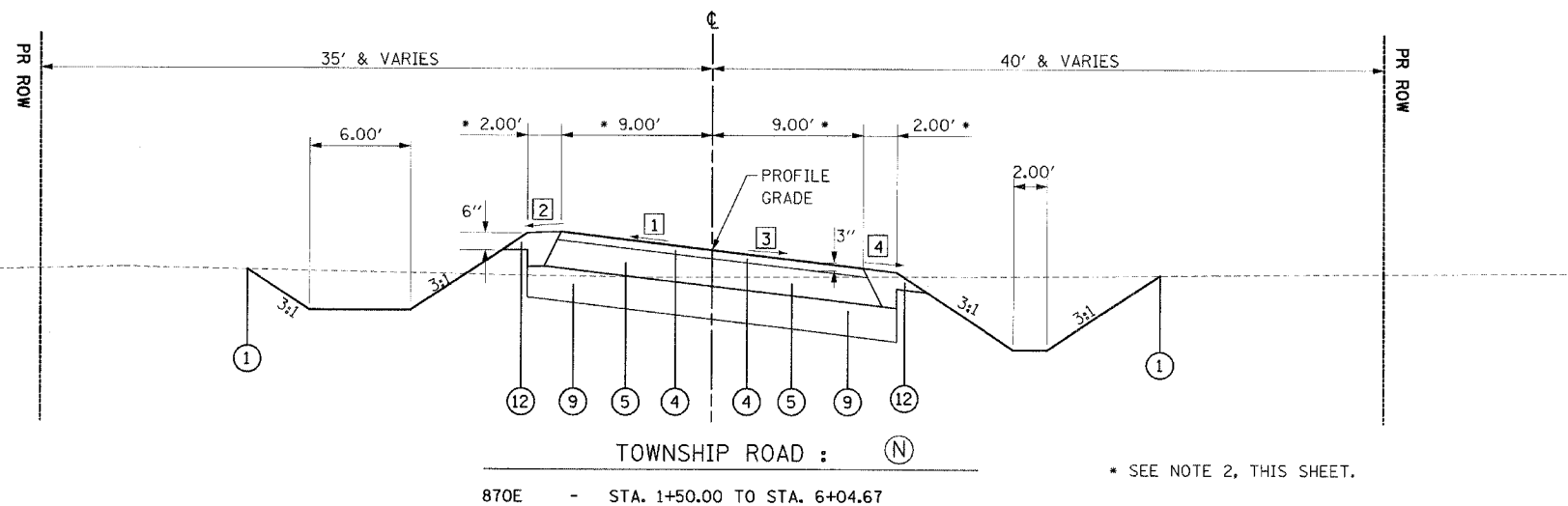
- 1 STA. 6+04.67 TO STA. 7+14.96 = TRANSITION FROM 0% TO -5%  
 STA. 7+14.96 TO STA. 8+50.00 = -5%  
 STA. 8+50.00 TO STA. 9+32.69 = TRANSITION FROM -5% TO -2.52%  
 STA. 9+32.69 TO STA. 10+00.00 = SEE INTERSECTION DETAIL, SHEET NO. 77
- 2 STA. 6+04.67 TO STA. 6+80.20 = -4%  
 STA. 6+80.20 TO STA. 7+14.96 = TRANSITION FROM -4% TO -5%  
 STA. 7+14.96 TO STA. 8+50.00 = -5%  
 STA. 8+50.00 TO STA. 8+83.33 = TRANSITION FROM -5% TO -4%  
 STA. 8+83.33 TO STA. 9+32.69 = -4%  
 STA. 9+32.69 TO STA. 10+00.00 = SEE INTERSECTION DETAIL, SHEET NO. 77

- 3 STA. 6+04.67 TO STA. 7+14.96 = TRANSITION FROM 0% TO 5%  
 STA. 7+14.96 TO STA. 8+50.00 = 5%  
 STA. 8+50.00 TO STA. 9+32.69 = TRANSITION FROM 5% TO -0.79%  
 STA. 9+32.69 TO STA. 10+00.00 = SEE INTERSECTION DETAIL, SHEET NO. 77
- 4 STA. 6+04.67 TO STA. 6+80.20 = -4%  
 STA. 6+80.20 TO STA. 7+14.96 = TRANSITION FROM -4% TO -3%  
 STA. 7+14.96 TO STA. 8+50.00 = -3%  
 STA. 8+50.00 TO STA. 8+83.33 = TRANSITION FROM -3% TO -4%  
 STA. 8+83.33 TO STA. 9+32.69 = -4%  
 STA. 9+32.69 TO STA. 10+00.00 = SEE INTERSECTION DETAIL, SHEET NO. 77

**PAVEMENT DESIGN INFORMATION**  
 700E:  
 DESIGN PERIOD = 20 YRS.  
 STRUCTURAL DESIGN TRAFFIC = 1765 (YEAR 2015)  
 P.V. = 1553, S.U. = 124, M.U. = 88  
 CLASS III ROAD  
 SUBGRADE SUPPORT RATING = POOR

780E, 800E, 870E, & 900E:  
 DESIGN PERIOD = 20 YRS.  
 STRUCTURAL DESIGN TRAFFIC = 205 (YEAR 2015)  
 P.V. = 180, S.U. = 19, M.U. = 6  
 CLASS IV ROADS  
 SUBGRADE SUPPORT RATING = POOR

- 1 EXISTING GROUND
- 2 BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 11"
- 3 BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 8"
- 4 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, IL 9.5L (LOW ESAL)
- 5 AGGREGATE BASE COURSE, TYPE A 10"
- 6 PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- 7 PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- 8 AGGREGATE BASE COURSE, TYPE A 4"
- 9 PROCESSING LIME MODIFIED SOILS 12"
- 10 SUBBASE GRANULAR MATERIAL, TYPE C (COST INCLUDED IN 9)
- 11 BITUMINOUS SHOULDERS SUPERPAVE 8"
- 12 AGGREGATE SHOULDERS, TYPE A
- 13 AGGREGATE SHOULDERS, TYPE B 6"
- 14 PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"
- 15 CONCRETE MEDIAN SURFACE, 4"
- 16 AGGREGATE BASE COURSE, TYPE B
- 17 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06



- 1 STA. 1+50.00 TO STA. 2+32.70 = -2%  
 STA. 2+32.70 TO STA. 2+86.70 = TRANSITION FROM -2% TO 2%  
 STA. 2+86.70 TO STA. 3+40.70 = TRANSITION FROM 2% TO 6%  
 STA. 3+40.70 TO STA. 4+91.37 = 6%  
 STA. 4+91.37 TO STA. 6+04.67 = TRANSITION FROM 6% TO 0%
- 2 STA. 1+50.00 TO STA. 3+13.70 = -4%  
 STA. 3+13.70 TO STA. 3+40.70 = TRANSITION FROM -4% TO -2%  
 STA. 3+40.70 TO STA. 4+91.37 = -2%  
 STA. 4+91.37 TO STA. 5+29.14 = TRANSITION FROM -2% TO -4%  
 STA. 5+29.14 TO STA. 6+04.57 = -4%

- 3 STA. 1+50.00 TO STA. 2+86.70 = -2%  
 STA. 2+86.70 TO STA. 3+40.70 = TRANSITION FROM -2% TO -6%  
 STA. 3+40.70 TO STA. 4+91.37 = -6%  
 STA. 4+91.37 TO STA. 6+04.67 = TRANSITION FROM -6% TO 0%
- 4 STA. 1+50.00 TO STA. 3+13.70 = -4%  
 STA. 3+13.70 TO STA. 3+40.70 = TRANSITION FROM -4% TO -6%  
 STA. 3+40.70 TO STA. 4+91.37 = -6%  
 STA. 4+91.37 TO STA. 5+29.14 = TRANSITION FROM -6% TO -4%  
 STA. 5+29.14 TO STA. 6+04.57 = -4%

\* SEE NOTE 2, THIS SHEET.

- NOTES :
- 1 SEE CROSS SECTIONS FOR DITCH ELEVATIONS
  - 2 TRANSITION PROPOSED TYPICAL SECTION WIDTHS TO EXISTING WIDTHS IN 100' AT THE BEGINNING OF THE CROSSROAD IMPROVEMENT.
  - 3 USE PROPOSED C.H. 18 PAVEMENT AND SHOULDER MATERIALS TO THE FURTHEST RADIUS RETURN OF THE CROSSROADS.

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROPOSED TYPICAL SECTIONS  
 TOWNSHIP ROADS  
 FAI-57, FAS 642  
 SEC NO. 15-23K, 99-00124-02-PV  
 COLES COUNTY, ILLINOIS

SCALE: NOT TO SCALE  
 DATE 07/13/2005  
 DRAWN BY SKM  
 CHECKED BY JWM



07/13/2005  
 I:\97\JOBS\97\62028b\cvt\1\sheet\c-507bly.pdgn  
 LAYOUT SKM 12/26/03  
 DRAWN SKM 12/26/03  
 REVIEWED JWM 01/05/04