

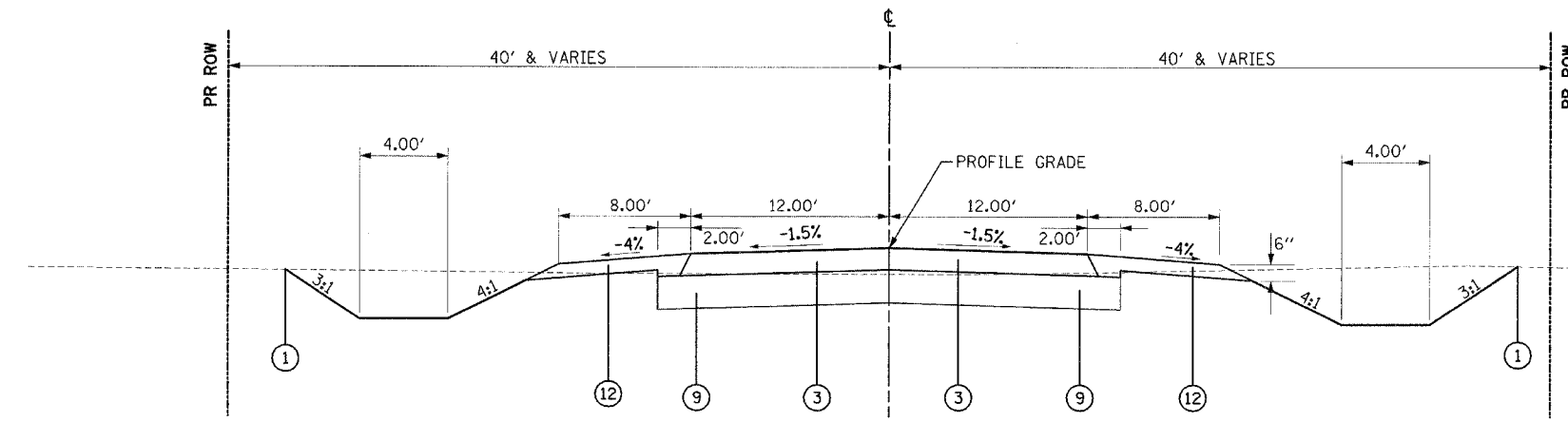
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	99-00124-02-PV	COLES	229	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**PAVEMENT DESIGN INFORMATION**

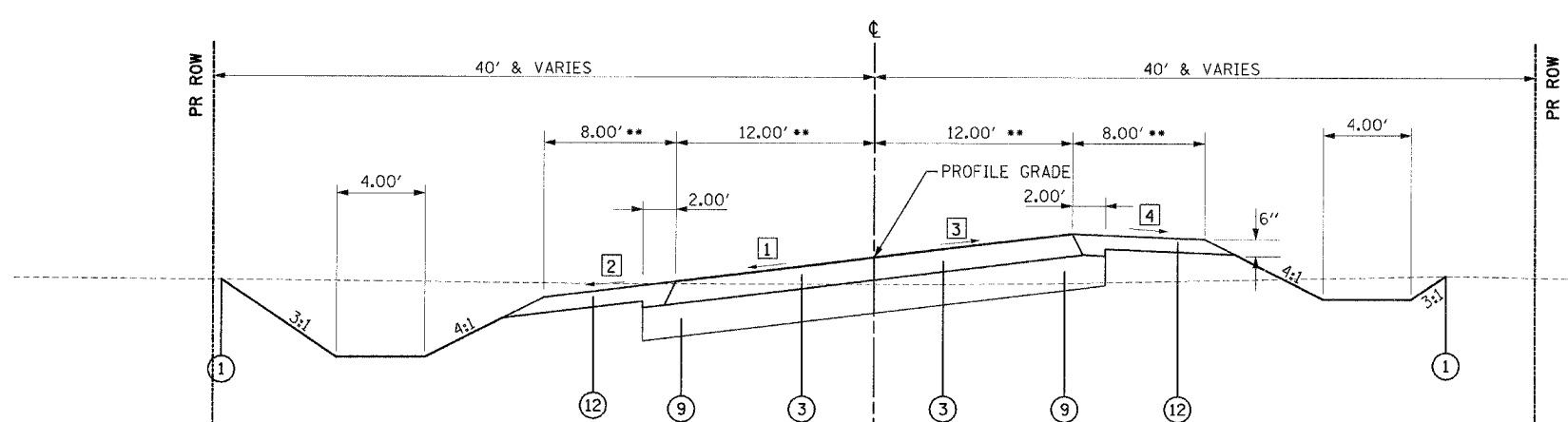
700E:  
 DESIGN PERIOD = 20 YRS.  
 STRUCTURAL DESIGN TRAFFIC = 1765 (YEAR 2015)  
 P.V. = 1553, S.U. = 124, M.U. = 88  
 CLASS III ROAD  
 SUBGRADE SUPPORT RATING = POOR

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

•BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 8" CONSISTS OF :  
 POLYMER BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70 2"  
 POLYMER BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70 2 1/4"  
 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70 3 3/4"



TOWNSHIP ROAD : (K)  
 700E - STA. 65+02.24 TO STA. 69+21.23  
 STA. 69+21.23 TO STA. 71+82.95 = SEE INTERSECTION DETAIL, SHEET NO. 78



TOWNSHIP ROAD : (J)  
 700E - STA. 60+00.00 TO STA. 65+02.24  
 \*\* SEE NOTE 2, THIS SHEET.

- 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

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

- ① STA. 60+00.00 TO STA. 60+60.00 = -1.5%  
 STA. 60+60.00 TO STA. 61+50.00 = TRANSITION FROM -1.5% TO -6%  
 STA. 61+50.00 TO STA. 63+52.24 = -6%  
 STA. 63+52.24 TO STA. 64+42.24 = TRANSITION FROM -6% TO -1.5%  
 STA. 64+42.24 TO STA. 65+02.24 = -1.5%
- ② STA. 60+00.00 TO STA. 61+10.00 = -4%  
 STA. 61+10.00 TO STA. 61+50.00 = TRANSITION FROM -4% TO -6%  
 STA. 61+50.00 TO STA. 63+52.24 = -6%  
 STA. 63+52.24 TO STA. 63+92.24 = TRANSITION FROM -6% TO -4%  
 STA. 63+92.24 TO STA. 65+02.24 = -4%
- ③ STA. 60+00.00 TO STA. 60+30.00 = TRANSITION FROM -1.5% TO 0%  
 STA. 60+30.00 TO STA. 61+50.00 = TRANSITION FROM 0% TO 6%  
 STA. 61+50.00 TO STA. 63+52.24 = 6%  
 STA. 63+52.24 TO STA. 64+42.24 = TRANSITION FROM 6% TO 1.5%  
 STA. 64+42.24 TO STA. 65+02.24 = TRANSITION FROM 1.5% TO -1.5%
- ④ STA. 60+00.00 TO STA. 61+10.00 = -4%  
 STA. 61+10.00 TO STA. 61+50.00 = TRANSITION FROM -4% TO -2%  
 STA. 61+50.00 TO STA. 63+52.24 = -2%  
 STA. 63+52.24 TO STA. 63+92.24 = TRANSITION FROM -2% TO -4%  
 STA. 63+92.24 TO STA. 65+02.24 = -4%

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 08/24/2005  
 DRAWN BY SKM  
 CHECKED BY JWM



08/24/2005  
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 SKM 12/26/03  
 URAW 12/26/03  
 REVIEWED JWM 01/05/04