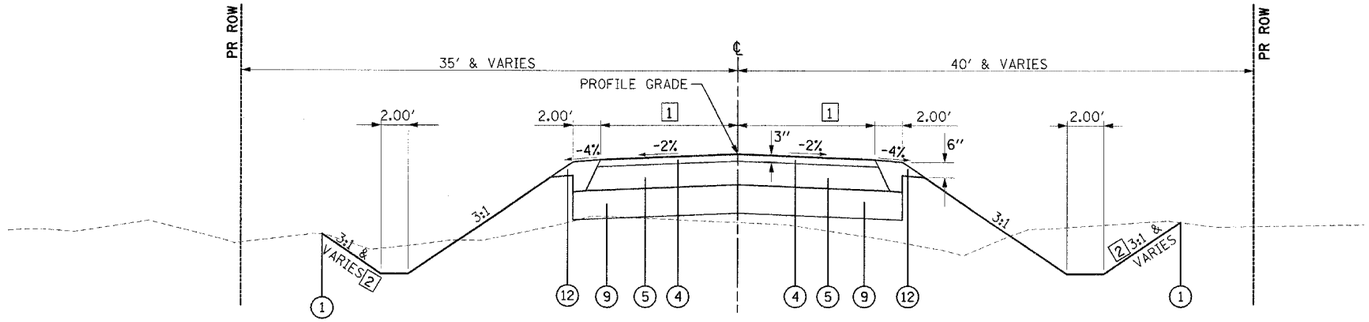
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	99-00124-02-PV	COLES	229	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TOWNSHIP ROADS : Ⓜ

1 780E - STA. 6+00.00 TO STA. 7+00.00 = TRANSITION FROM EXISTING PAVEMENT TO 11.00' EA. SIDE OF ℄
STA. 7+00.00 TO STA. 9+36.91 = 11.00'
STA. 9+36.91 TO STA. 10+12.00 = SEE INTERSECTION DETAIL FOR 780E, SHEET NO. 77

800E - STA. 10+00.00 TO STA. 10+62.90 = SEE INTERSECTION DETAIL FOR 800E, SHEET NO. 77
STA. 10+62.90 TO STA. 11+35.00 = 9.00'
STA. 11+35.00 TO STA. 12+35.00 = TRANSITION FROM 9.00' EA. SIDE OF ℄ TO EXISTING PAVEMENT

900E - STA. 10+00.00 TO STA. 10+62.20 = SEE INTERSECTION DETAIL FOR 900E, SHEET NO. 77
STA. 10+62.20 TO STA. 12+00.00 = 10.00'
STA. 12+00.00 TO STA. 12+53.54 = TRANSITION FROM 10.00' EA. SIDE OF ℄ TO EXISTING PAVEMENT

2 780E ONLY:
STA. 6+00.00 TO STA. 8+00.00 = 2:1 SLOPE
STA. 8+00.00 TO STA. 9+00.00 = TRANSITION FROM 2:1 TO 3:1
STA. 9+00.00 TO STA. 9+36.91 = 3:1 SLOPE

PAVEMENT DESIGN INFORMATION

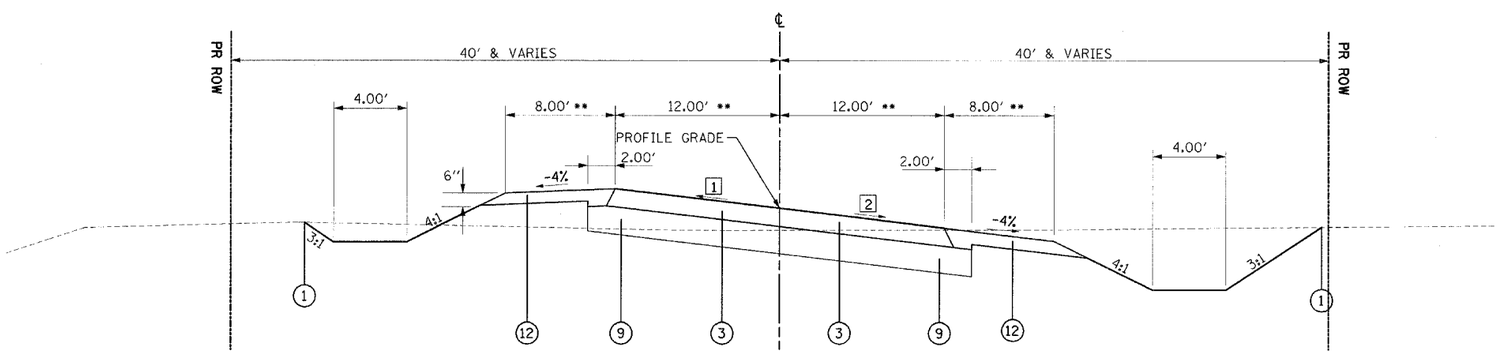
700E:
DESIGN PERIOD = 20 YRS.
STRUCTURAL DESIGN TRAFFIC = 1765 (YEAR 2015)
P.V. = 1553, S.U. = 124, M.U. = 88
CLASS III ROAD
SUBGRADE SUPPORT RATING = POOR

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 2¼"
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70 3¾"

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 9½" (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 9½"
15. CONCRETE MEDIAN SURFACE, 4"
16. AGGREGATE BASE COURSE, TYPE B
17. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06



TOWNSHIP ROAD : Ⓛ

700E - STA. 71+82.95 TO STA. 76+78.64

** SEE NOTE 2, THIS SHEET.

1 STA. 71+82.95 TO STA. 72+30.28 = -1.5%
STA. 72+30.28 TO STA. 72+52.28 = TRANSITION FROM -1.5% TO 0%
STA. 72+52.28 TO STA. 72+95.28 = TRANSITION FROM 0% TO 3.0%
STA. 72+95.28 TO STA. 75+56.64 = 3.0%
STA. 75+56.64 TO STA. 75+99.97 = TRANSITION FROM 3.0% TO 0%
STA. 75+99.97 TO STA. 76+21.64 = TRANSITION FROM 0% to -1.5%
STA. 76+21.64 TO STA. 76+78.64 = -1.5%

2 STA. 71+82.95 TO STA. 72+73.28 = -1.5%
STA. 72+73.28 TO STA. 72+95.28 = TRANSITION FROM -1.5% TO STA. -3.0%
STA. 72+95.28 TO STA. 75+56.64 = -3.0%
STA. 75+56.64 TO STA. 75+78.64 = TRANSITION FROM -3.0% TO -1.5%
STA. 75+78.64 TO STA. 76+78.64 = -1.5%

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, UNLESS SHOWN OTHERWISE.
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 — DRAWN BY SKM
DATE 08/08/2005 — CHECKED BY JWM

HANSON

08/08/2005
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LAYOUT	SKM	12/26/03
DRAWN	SKM	12/26/03
REVIEWED	JWM	01/05/04