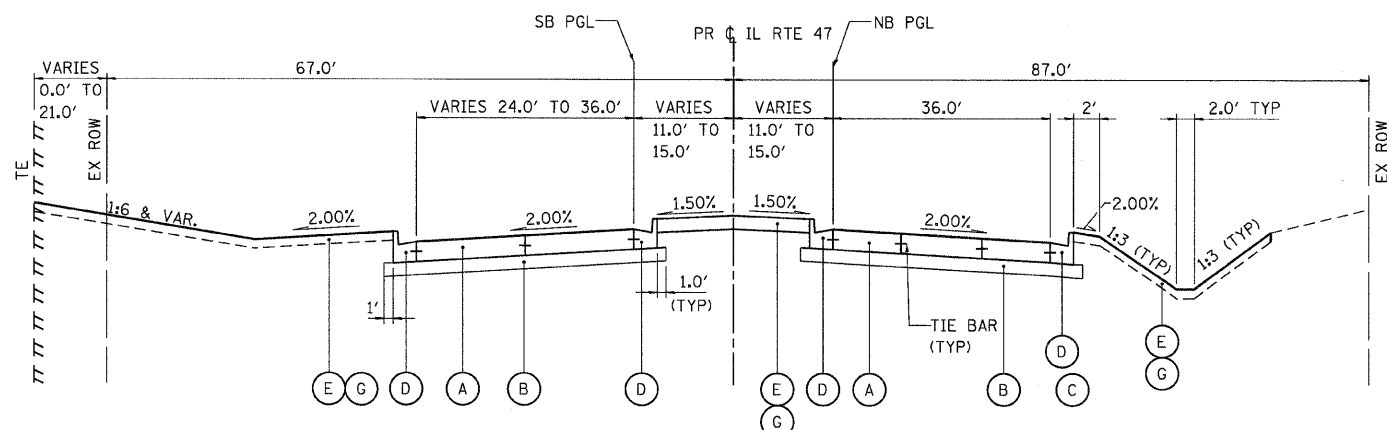
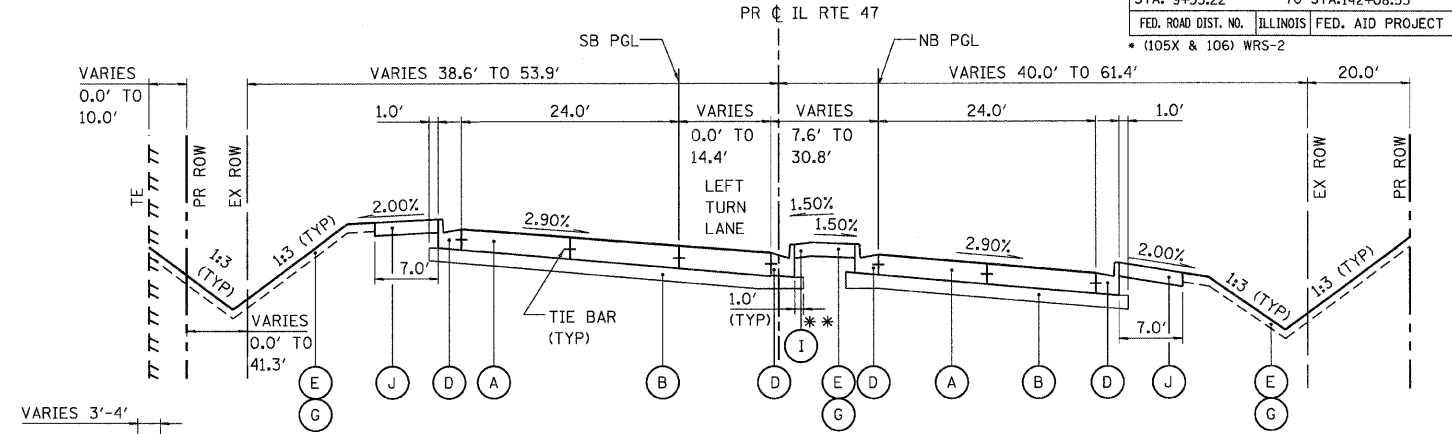


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	McHENRY	502	15
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (105X & 106) WRS-2				



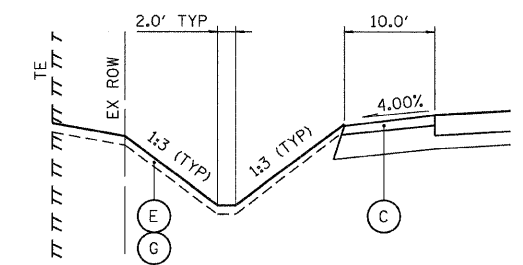
**ILLINOIS ROUTE 47**

STA 9+35.22 TO STA 13+24.39

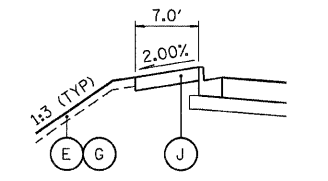


**ILLINOIS ROUTE 47**

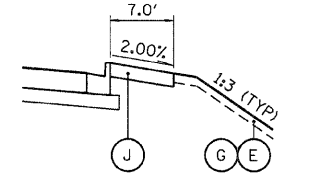
STA 24+66.88 TO STA 32+50.09  
\* STA 24+66.88 TO STA 24+76.04



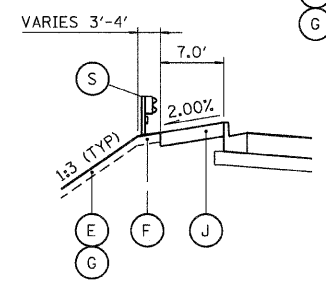
STA 11+99.73 TO STA 13+24.39 (LT)



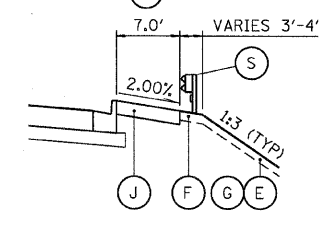
STA 21+51.45 TO STA 25+58.32 (LT)



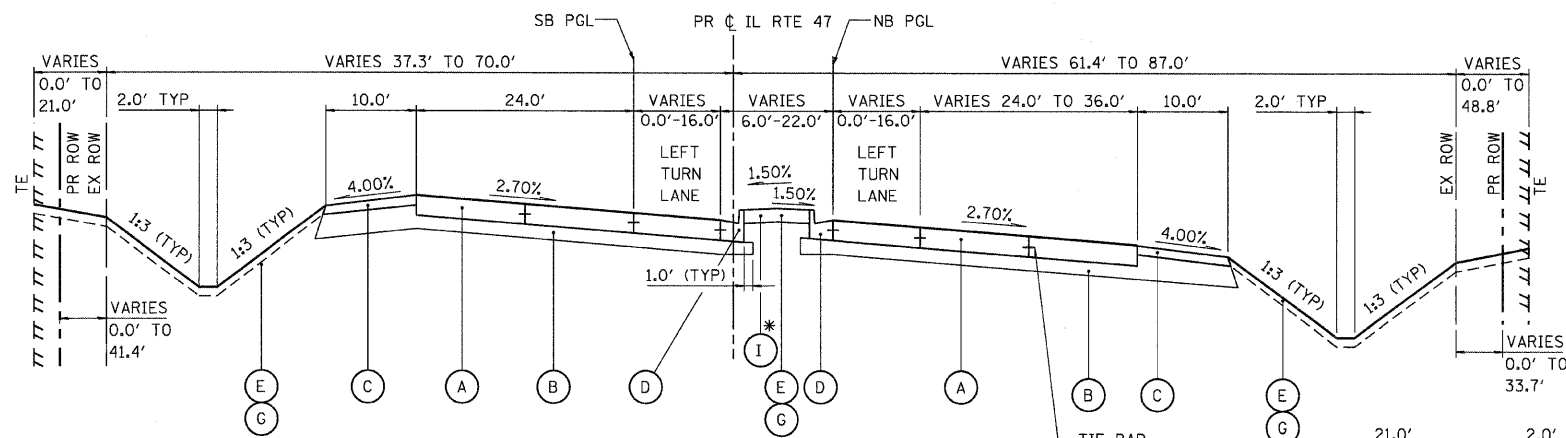
STA 21+91.27 TO STA 24+65.17 (RT)



STA 25+58.32 TO STA 28+16.26 (LT)

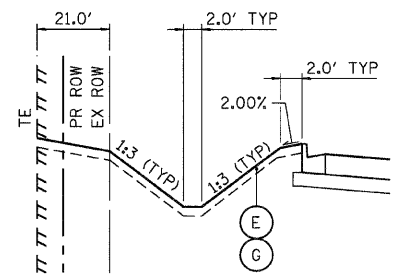


STA 24+65.17 TO STA 25+07.12 (RT)

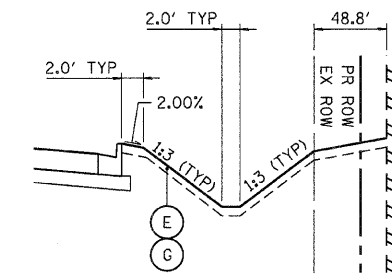


**ILLINOIS ROUTE 47**

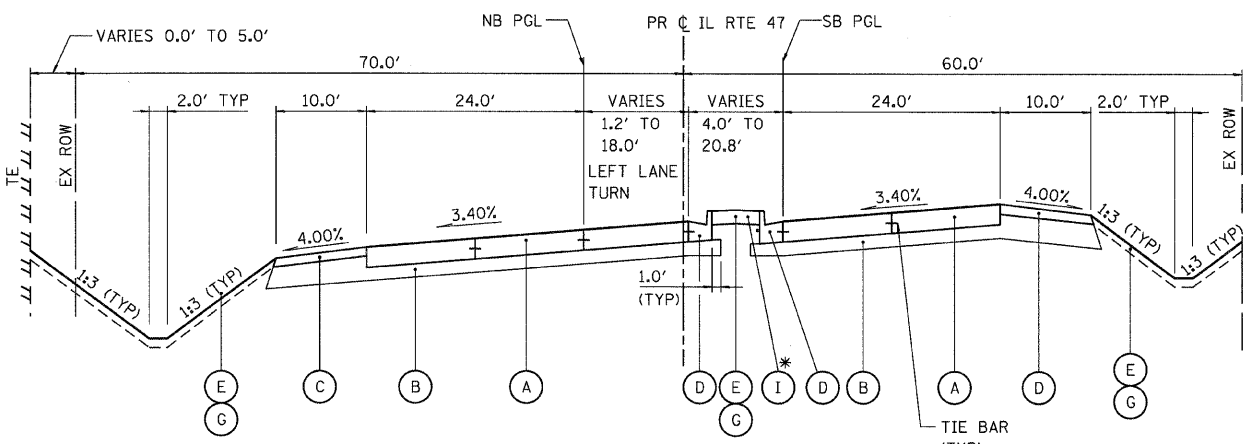
STA 13+24.39 TO STA 24+66.88  
\* STA 16+48.71 TO STA 24+66.88



STA 19+10.95 TO STA 21+51.45 (LT)



STA 19+70.89 TO STA 21+91.27 (RT)  
STA 13+24.39 TO STA 15+25.36 (RT)



**ILLINOIS ROUTE 47**

STA 134+73.92 TO STA 140+30.81  
\* STA 134+73.92 TO STA 138+23.80

**NOTES:**

- THE 9 1/2-INCH HMA PAVEMENT (FULL-DEPTH) SHALL CONSIST OF:  
2-INCH HMA SURFACE COURSE, MIX "D", N70  
7 1/2-INCH HMA BINDER COURSE, IL 19.0, N70
- THE 12-INCH HMA PAVEMENT (FULL-DEPTH) SHALL CONSIST OF:  
2-INCH HMA SURFACE COURSE, MIX "D", N70  
10-INCH HMA BINDER COURSE, IL 19.0, N70
- ADDITIONAL SUBGRADE THICKNESS BELOW MEDIAN AREA AND SHOULDER SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR AGGREGATE SUBGRADE, 12" AND SHALL NOT BE PAID FOR SEPARATELY.
- SEE TURN LANE MEDIAN DETAILS SHEET FOR TYPICAL LAYOUT AND DESIGN OF MEDIANS ADJACENT TO LEFT TURN LANES.

**PROPOSED LEGEND**

- (A) 10" JOINTED P.C.C. PAVEMENT
- (B) AGGREGATE SUBGRADE, 12" (SEE NOTE 3)
- (C) HMA SHOULDER, 8"
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (E) SODDING, SALT TOLERANT
- (F) HMA SHOULDER, 6"
- (G) TOPSOIL FURNISH AND PLACE, 4"
- (H) CONCRETE MEDIAN, TYPE SB-6.12
- (I) CONCRETE MEDIAN, TYPE SB-6 (SPECIAL)
- (J) P.C.C. SIDEWALK, 5"
- (K) HMA PAVEMENT (FULL DEPTH), 9 1/2" (SEE NOTE 1)
- (L) HMA PAVEMENT (FULL DEPTH), 12" (SEE NOTE 2)
- (M) ESCAPE AREA MEDIAN
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (O) P.C.C. BASE COURSE, 8 1/4"
- (P) POLYMERIZED HMA SURFACE COURSE, MIX F, N90, 1 3/4"
- (Q) POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 2 1/4"
- (R) CONCRETE MEDIAN, TYPE SB-6.24
- (S) STEEL PLATE BEAM GUARDRAIL, TYPE A
- (T) RETAINING WALL

STRUCTURAL DESIGN TRAFFIC: YEAR 2030  
 PV = 32,67 SU = 3,741 MU = 2,160  
 ROAD / STREET CLASSIFICATION: CLASS 1  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 32 S = 45 M = 45  
 TRAFFIC FACTOR: ACTUAL TF = 11.77  
 MINIMUM TF = 6.03  
 SUBGRADE SUPPORT RATING:  
 SSR = POOR (STA 9+35.22 TO 142+08.53)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ILLINOIS ROUTE 47**  
**PROPOSED TYPICAL SECTIONS ROUTE 47**  
**SHEET 3 OF 9**  
 SCALE: VERT. NO SCALE  
 HORIZ. DATE: 8/5/2009  
 DRAWN BY: E.D.  
 CHECKED BY: B.S.

PLOT DATE = Friday, August 07, 2009  
 FILE NAME = S:\11-CADD\01-INT\015\_nyp\_aec\_3.dgn  
 PLOT SCALE = 1/8" = 1' (105X & 106)  
 USER NAME = J3870