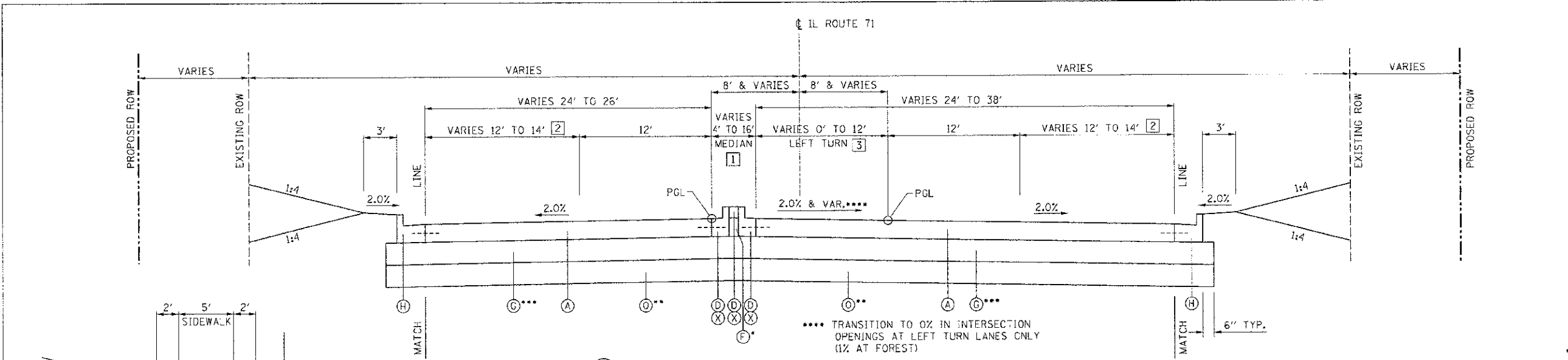


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1R)	KENDALL	514	24
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

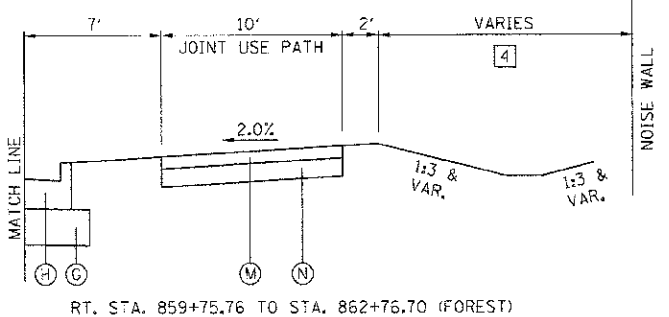


7 PROPOSED TYPICAL SECTION - IL ROUTE 71

STA 833+36.00 TO STA 837+97.36 (DOUGLAS)
 STA. 859+76.58 TO STA. 863+44.48 (FOREST)
 LOOKING EAST

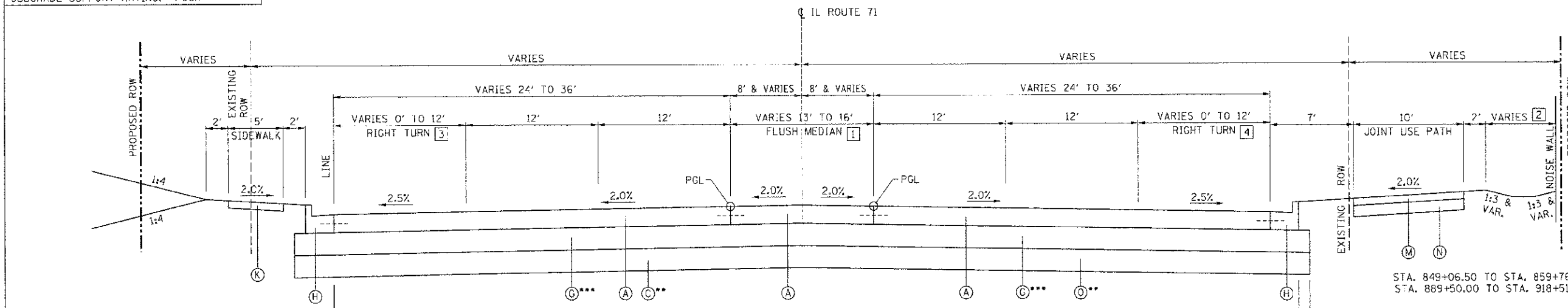
- 1 STA. 833+36.00 TO STA. 835+36.00 = TRANSITION FROM 16.00' TO 4.00' (TRAVERSABLE MEDIAN)
 STA. 835+26.00 TO STA. 835+36.00 = TRANSITION FROM TRAVERSABLE MEDIAN TO RAISED MEDIAN
 STA. 835+36.00 TO STA. 837+53.00 = 4.00' (RAISED MEDIAN)
 STA. 837+53.00 TO STA. 837+97.36 = 4.00' (SIDEROAD OPENING)
 STA. 859+76.58 TO STA. 861+39.55 = TRANSITION FROM 16.00' TO 4.00' (TRAVERSABLE MEDIAN)
 STA. 861+29.55 TO STA. 861+39.55 = TRANSITION FROM TRAVERSABLE MEDIAN TO RAISED MEDIAN
 STA. 861+39.55 TO STA. 862+71.18 = 4.00' (RAISED MEDIAN)
 STA. 862+71.18 TO STA. 863+44.48 = 4.00' (SIDEROAD OPENING)
- 2 STA. 833+36.00 TO STA. 837+53.00 = 14.00'
 STA. 859+76.58 TO STA. 862+71.18 = 12.00'
- 3 STA. 833+36.00 TO STA. 835+36.00 = TRANSITION FROM 0.00' TO 12.00'
 STA. 835+36.00 TO STA. 837+53.00 = 12.00'
 STA. 859+76.58 TO STA. 861+39.55 = TRANSITION FROM 0.00' TO 12.00'
 STA. 861+39.55 TO STA. 862+71.18 = 12.00'

STRUCTURAL PAVEMENT DESIGN INFORMATION:
 STRUCTURAL DESIGN TRAFFIC: YEAR: 2018
 PV = 18,942 SU = 1,183 MJ = 1,376
 ROAD/STREET CLASSIFICATION: CLASS 1
 PERCENT OF STRUCTURAL DESIGN TRAFFIC
 IN DESIGN LANE:
 P = 32% S = 45% M = 45%
 TRAFFIC FACTOR:
 RIGID TF: 10.17 MINIMUM TF: 6.03
 SUBGRADE SUPPORT RATING: POOR



4 NOISE WALL LOCATION
 65.00' RT. STA. 859+76.58 TO STA. 862+33.00

- LEGEND
- (A) PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
 - (B) HOT-MIX ASPHALT SHOULDER, 8"
 - (C) CONCRETE MEDIAN SURFACE, 4" (RAISED MEDIAN)
 - (D) CONCRETE MEDIAN, TYPE M-2.12 (TRAVERSABLE MEDIAN), 9 3/4"
 - (E) CONCRETE MEDIAN, TYPE M-2.12 CORRUGATED (SPECIAL) (CORRUATED MEDIAN)
 - (F) SUB-BASE GRANULAR MATERIAL, TYPE C
 - (G) SUB-BASE GRANULAR MATERIAL, TYPE A (CRUSHED), 12"
 - (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (K) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
 - (L) AGGREGATE SHOULDERS TYPE B, 6"
 - (M) INCIDENTAL HOT-MIX ASPHALT SURFACING (224 LBS / SY), 2"
 - (N) AGGREGATE BASE COURSE, TYPE A, 6"
 - (O) AGGREGATE SUBGRADE IMPROVEMENT 24"
 - (X) CONCRETE MEDIAN, TYPE SM-4.12
- GRANULAR MATERIAL TO BE USED WHERE NEEDED AS FILL UNDER THE MEDIAN SURFACE OF THE VARIOUS MEDIAN TYPES.
 - LIMITS: 863+00.00 TO 863+44.48
 899+00.00 TO 903+00.00
 - OMIT FROM: 863+00.00 TO 863+44.48
 899+00.00 TO 903+00.00



8 PROPOSED TYPICAL SECTION - IL ROUTE 71

STA. 849+06.50 TO STA. 859+76.58
 STA. 889+50.00 TO STA. 918+85.88
 LOOKING EAST

- 1 STA. 849+06.50 TO STA. 859+15.30 = 13.00'
 STA. 859+15.30 TO STA. 859+76.58 = TRANSITION FROM 13.00' TO 16.00'
 STA. 889+50.00 TO STA. 918+85.88 = 13.00'
- 2 NOISE WALL
 65.00' RT. STA. 849+06.50 TO STA. 851+77.37
 65.00' RT. STA. 851+77.37 TO 60.00' RT. STA. 851+87.92
 60.00' RT. STA. 851+87.92 TO STA. 859+21.07
 60.00' RT. STA. 859+21.07 TO 65.00' RT. STA. 859+31.31
 65.00' RT. STA. 859+31.31 TO STA. 859+76.58
- 3 STA. 849+06.50 TO STA. 859+76.58 = 0.00'
 STA. 889+50.00 TO STA. 909+98.18 = 0.00'
 STA. 909+98.18 TO STA. 910+97.00 = 12.00' (SIDEROAD OPENING)
 STA. 910+97.00 TO STA. 912+51.63 = 12.00'
 STA. 912+51.63 TO STA. 914+26.63 = TRANSITION FROM 12.00' TO 0.00'
 STA. 914+26.63 TO STA. 918+85.88 = 0.00'
- 4 STA. 849+06.50 TO STA. 859+76.58 = 0.00'
 STA. 889+50.00 TO STA. 893+40.70 = 0.00'
 STA. 893+40.70 TO STA. 895+15.70 = TRANSITION FROM 0.00' TO 12.00'
 STA. 895+15.70 TO STA. 896+58.70 = 12.00'
 STA. 896+58.70 TO STA. 897+80.70 = 12.00' (SIDEROAD OPENING)

- 4 CONTINUED
 STA. 897+80.70 TO STA. 905+34.47 = 0.00'
 STA. 905+34.47 TO STA. 907+09.47 = TRANSITION FROM 0.00' TO 12.00'
 STA. 907+09.47 TO STA. 909+60.13 = 12.00'
 STA. 909+60.13 TO STA. 911+18.82 = 12.00' (SIDEROAD OPENING)
 STA. 911+18.82 TO STA. 918+85.88 = 0.00'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: VERT. 1" = 4'
 HORIZ. 1" = 40'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

FILE NAME: s:\116624
 PLOT DATE: 7/5/2012
 FILE NAME: s:\external\...