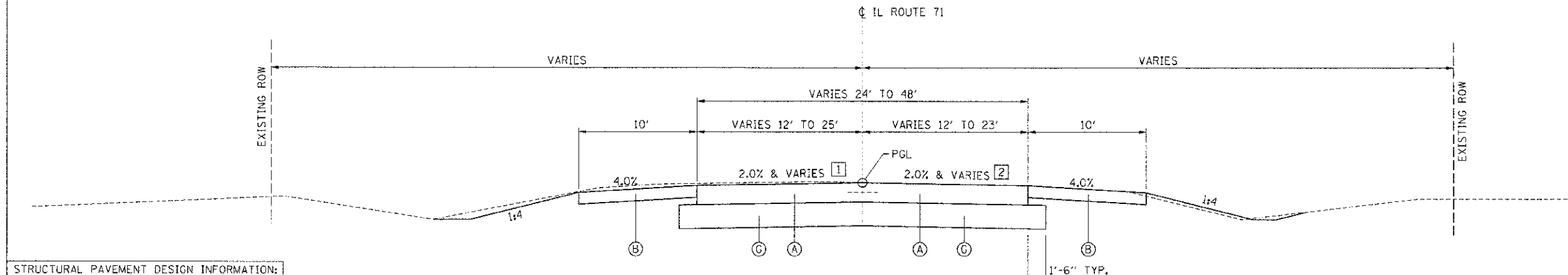


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	6-11R	KENDALL	514	21
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



① PROPOSED TYPICAL SECTION - IL ROUTE 71

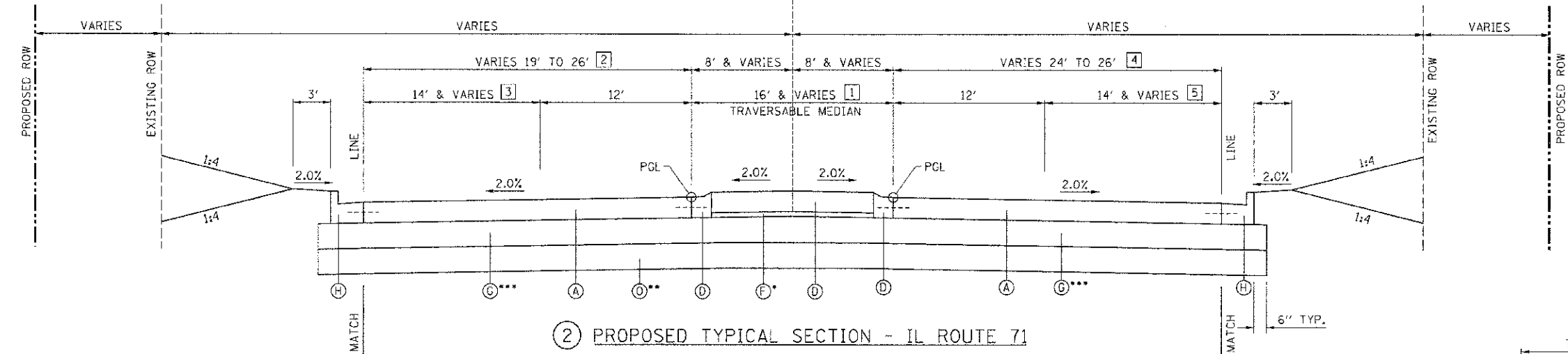
STA 780+44.91 TO STA 785+66.38
LOOKING EAST

① STA. 780+44.91 TO STA. 782+89.75 = 2.80%
STA. 782+89.75 TO STA. 785+50.00 = TRANSITION FROM 2.80% TO -2.00%

② STA. 780+44.91 TO STA. 782+89.75 = -2.80%
STA. 782+89.75 TO STA. 785+50.00 = TRANSITION FROM -2.80% TO -2.00%

STRUCTURAL PAVEMENT DESIGN INFORMATION:
STRUCTURAL DESIGN TRAFFIC: YEAR: 2018
PV = 18,942 SU = 1,183 MU = 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

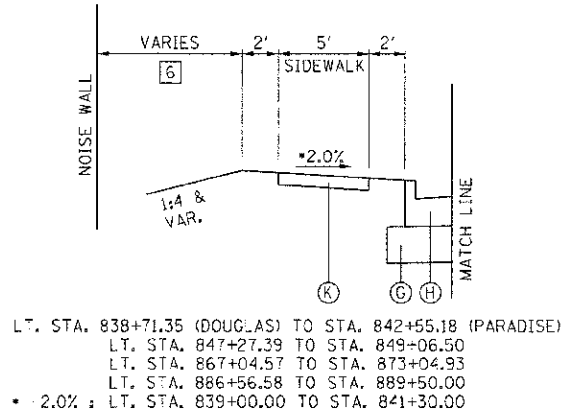
- LEGEND
- (A) PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
 - (B) HOT-MIX ASPHALT SHOULDER, 8"
 - (C) CONCRETE MEDIAN SURFACE, 4" (RAISED MEDIAN)
 - (D) CONCRETE MEDIAN, TYPE M-2.12 (TRAVERSABLE MEDIAN), 9 3/4"
 - (E) CONCRETE MEDIAN, TYPE M-2.12 CORRUGATED (SPECIAL) (CORRUGATED MEDIAN)
 - (F) 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"
- GRANULAR MATERIAL TO BE USED WHERE NEEDED AS FILL UNDER THE MEDIAN SURFACE OF THE VARIOUS MEDIAN TYPES.
- LIMITS: 824+00.00 TO 830+50.00
867+04.57 TO 873+00.00
- OMIT FROM: 824+00.00 TO 830+50.00
867+04.57 TO 873+00.00



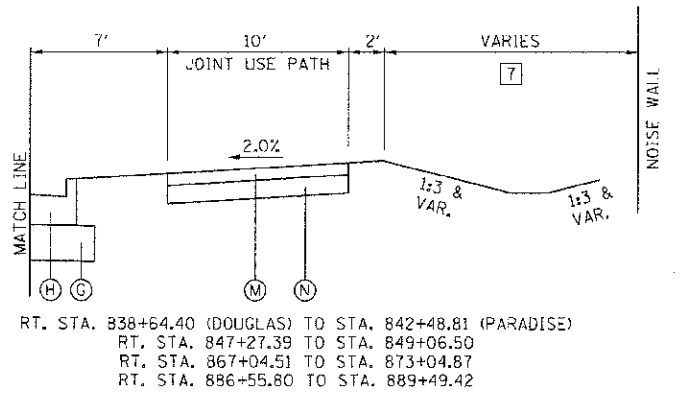
② PROPOSED TYPICAL SECTION - IL ROUTE 71

STA 785+66.38 TO STA 793+28.57
STA. 822+37.00 TO STA. 833+36.00
STA. 837+97.36 (DOUGLAS) TO STA. 842+95.63 (PARADISE)
STA. 847+27.39 TO STA. 849+06.50
STA. 867+04.57 TO STA. 873+04.93
STA. 886+56.58 TO STA. 889+50.00
LOOKING EAST

- ① STA. 785+66.38 TO STA. 788+50.09 = TRANSITION FROM 4.00' TO 16.00'
STA. 788+50.09 TO STA. 793+28.57 = 16.00'
STA. 822+37.00 TO STA. 833+36.00 = 16.00'
STA. 837+97.36 TO STA. 838+71.35 = 16.00' (SIDEROAD OPENING)
STA. 838+71.35 TO STA. 842+55.18 = 16.00'
STA. 842+55.18 TO STA. 842+95.63 = 16.00' (SIDEROAD OPENING)
STA. 847+27.39 TO STA. 847+94.89 = TRANSITION FROM 16.00' TO 13.00'
STA. 847+94.89 TO STA. 849+06.50 = 13.00'
STA. 867+04.57 TO STA. 873+04.93 = 16.00'
STA. 886+56.58 TO STA. 887+56.58 = TRANSITION FROM 18.00' TO 13.00'
STA. 887+56.58 TO STA. 889+50.00 = 13.00'
- ② STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 19.00' TO 26.00'
STA. 788+50.00 TO STA. 793+28.57 = 26.00'
STA. 822+37.00 TO STA. 833+36.00 = 26.00'
STA. 838+71.35 TO STA. 842+55.18 = 24.00'
STA. 847+27.39 TO STA. 849+06.50 = 24.00'
STA. 867+04.57 TO STA. 873+04.93 = 24.00'
STA. 886+56.58 TO STA. 889+50.00 = 24.00'
- ③ STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 7.00' TO 14.00'
STA. 788+50.00 TO STA. 793+28.57 = 14.00'
STA. 822+37.00 TO STA. 833+36.00 = 14.00'
STA. 838+71.35 TO STA. 842+55.18 = 12.00'
STA. 847+27.39 TO STA. 849+06.50 = 12.00'
STA. 867+04.57 TO STA. 873+04.93 = 12.00'
STA. 886+56.58 TO STA. 889+50.00 = 12.00'
- ④ STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 25.39' TO 26.00'
STA. 788+50.00 TO STA. 793+28.57 = 26.00'
STA. 822+37.00 TO STA. 833+36.00 = 26.00'
STA. 838+71.35 TO STA. 842+55.18 = 24.00'
STA. 847+27.39 TO STA. 849+06.50 = 24.00'
STA. 867+04.57 TO STA. 873+04.93 = 24.00'
STA. 886+56.58 TO STA. 889+50.00 = 24.00'
- ⑤ STA. 785+66.38 TO STA. 788+50.00 = TRANSITION FROM 13.39' TO 14.00'
STA. 788+50.00 TO STA. 793+28.57 = 14.00'
STA. 822+37.00 TO STA. 833+36.00 = 14.00'
STA. 838+71.35 TO STA. 842+55.18 = 12.00'
STA. 847+27.39 TO STA. 849+06.50 = 12.00'
STA. 867+04.57 TO STA. 873+04.93 = 12.00'
STA. 886+56.58 TO STA. 889+50.00 = 12.00'



⑥ NOISE WALL LOCATION
46.66' LT. STA. 840+07.04 TO STA. 842+55.18
60.50' LT. STA. 847+27.39 TO STA. 848+80.00



RT. STA. 838+64.40 (DOUGLAS) TO STA. 842+48.81 (PARADISE)
RT. STA. 847+27.39 TO STA. 849+06.50
RT. STA. 867+04.51 TO STA. 873+04.87
RT. STA. 886+55.80 TO STA. 889+49.42

⑦ NOISE WALL LOCATION
65.00' RT. STA. 847+27.39 TO STA. 849+06.50
60.50' RT. STA. 867+04.57 TO STA. 873+04.93

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: VERT. 1"=10'
HORIZ. 1"=40'
DATE 7/5/2012

DRAWN BY SAE
CHECKED BY MED

TCP PROJ: 2108014
PLOT DATE: 7/5/2012
FILE NAME: p:\projects\11\dot.d\113\Newegg\plans\11\Typ-Cross-01.dgn