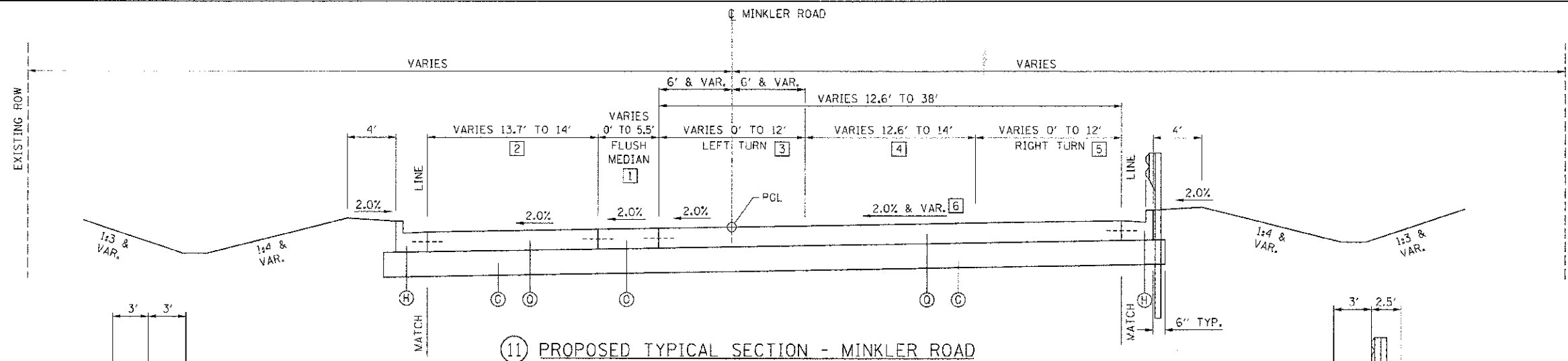


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	C-DR	KENDALL	514	26
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**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
  - (I) 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"
  - (P) PORTLAND CEMENT CONCRETE PAVEMENT 7 3/4" (JOINTED)
  - (Q) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
  - (R) PORTLAND CEMENT CONCRETE PAVEMENT 8 1/4" (JOINTED)
  - (S) PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)
  - (W) CONCRETE MEDIAN, TYPE SB (SPECIAL)
- \* GRANULAR MATERIAL TO BE USED WHERE NEEDED AS FILL UNDER THE MEDIAN SURFACE OF THE VARIOUS MEDIAN TYPES.

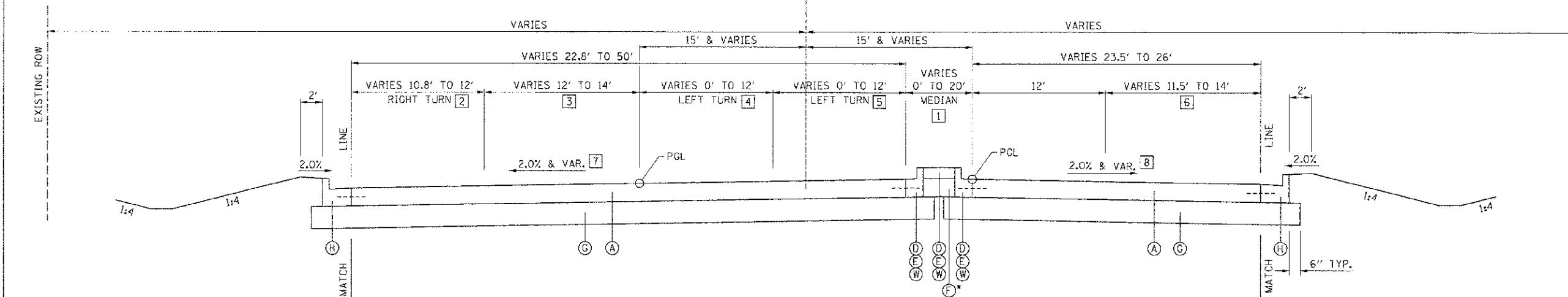


**(11) PROPOSED TYPICAL SECTION - MINKLER ROAD**

STA. 56+70.00 TO STA. 62+14.11 (IL ROUTE 71)  
LOOKING NORTH

- 1 STA. 56+70.00 TO STA. 58+12.00 = TRANSITION FROM 0.00' TO 5.50'  
STA. 58+12.00 TO STA. 60+12.00 = TRANSITION FROM 5.50' TO 0.00'
- 2 STA. 56+70.00 TO STA. 58+12.00 = TRANSITION FROM 13.7' TO 14.00'  
STA. 58+12.00 TO STA. 61+94.45 = 14.00'
- 3 STA. 58+12.00 TO STA. 60+12.00 = TRANSITION FROM 0.00' TO 12.00'  
STA. 60+12.00 TO STA. 61+94.45 = 12.00'
- 4 STA. 56+70.00 TO STA. 58+12.00 = TRANSITION FROM 12.6' TO 14.00'  
STA. 58+12.00 TO STA. 61+94.45 = 14.00'
- 5 STA. 58+28.77 TO STA. 60+28.77 = TRANSITION FROM 0.00' TO 12.00'  
STA. 60+28.77 TO 62+14.11 = 12.00'
- 6 STA. 56+70.00 TO 57+10.22 = TRANSITION FROM -2.00% TO 0.00%  
STA. 57+10.22 TO 57+60.22 = TRANSITION FROM 0.00% TO 2.00%  
STA. 57+60.22 TO 60+78.77 = 2.00%  
STA. 60+78.77 TO 61+28.77 = TRANSITION FROM 2.00% TO 0.00%  
STA. 61+28.77 TO 61+58.77 = TRANSITION FROM 0.00% TO -2.00%

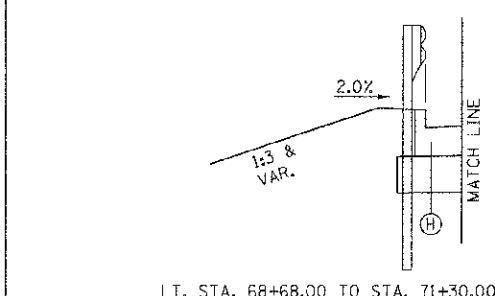
**STRUCTURAL PAVEMENT DESIGN INFORMATION:**  
STRUCTURAL DESIGN TRAFFIC: YEAR: 2018  
PV = 18,942 SU = 1,183 MU = 1,376  
ROAD/STREET CLASSIFICATION: CLASS 1  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
P = 32% S = 45% M = 45%  
TRAFFIC FACTOR:  
RIGID TF: 10.17 MINIMUM TF: 6.03  
SUBGRADE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



**(12) PROPOSED TYPICAL SECTION - ORCHARD ROAD**

STA 63+69.74 (IL ROUTE 71) TO STA 71+30.00  
LOOKING NORTH

- 1 STA. 63+69.74 TO STA. 65+30.32 = 6.00' (RAISED MEDIAN)  
STA. 65+30.32 TO STA. 66+50.32 = TRANSITION FROM 6.00' TO 15.33' (CORRUGATED MEDIAN)  
STA. 66+50.32 TO STA. 67+30.76 = TRANSITION FROM 15.33' TO 20.00' (TRAVERSABLE MEDIAN)  
STA. 67+30.76 TO STA. 70+32.62 = TRANSITION FROM 20.00' TO 0.00' (TRAVERSABLE MEDIAN)
- 2 STA. 63+69.74 TO STA. 68+10.28 = 12.00'  
STA. 68+10.28 TO STA. 71+30.00 = TRANSITION FROM 12.00' TO 10.8' (PAVEMENT)  
STA. 68+10.28 TO STA. 71+30.00 = TRANSITION FROM 12.00' TO 0.00' (STRIPING)
- 3 STA. 63+69.74 TO STA. 68+10.28 = 14.00'  
STA. 68+10.28 TO STA. 71+30.00 = TRANSITION FROM 14.00' TO 12.00'
- 4 STA. 63+69.74 TO STA. 66+24.27 = 12.00'  
STA. 66+24.27 TO STA. 67+30.76 = TRANSITION FROM 12.00' TO 0.00'
- 5 STA. 63+69.74 TO STA. 65+30.32 = 12.00'  
STA. 65+30.32 TO STA. 66+24.27 = TRANSITION FROM 12.00' TO 0.00'
- 6 STA. 63+69.74 TO STA. 68+10.28 = 14.00'  
STA. 68+10.28 TO STA. 71+30.00 = TRANSITION FROM 14.00' TO 11.5' (PAVEMENT)  
STA. 68+10.28 TO STA. 71+30.00 = TRANSITION FROM 14.00' TO 0.00' (STRIPING)
- 7 STA. 64+23.15 TO STA. 67+37.15 = TRANSITION FROM -2.00% TO -6.70%  
STA. 67+37.15 TO STA. 71+30.00 = -6.70%
- 8 STA. 64+23.15 TO STA. 64+95.10 = TRANSITION FROM -2.00% TO 0.00%  
STA. 64+95.10 TO STA. 67+37.15 = TRANSITION FROM 0.00% TO 6.70%  
STA. 67+37.15 TO STA. 71+30.00 = 6.70%



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

TUG PROJ: 4308014  
 PLOT DATE: 7/5/2012  
 FILE NAME: p:\asv11\...det.dwg