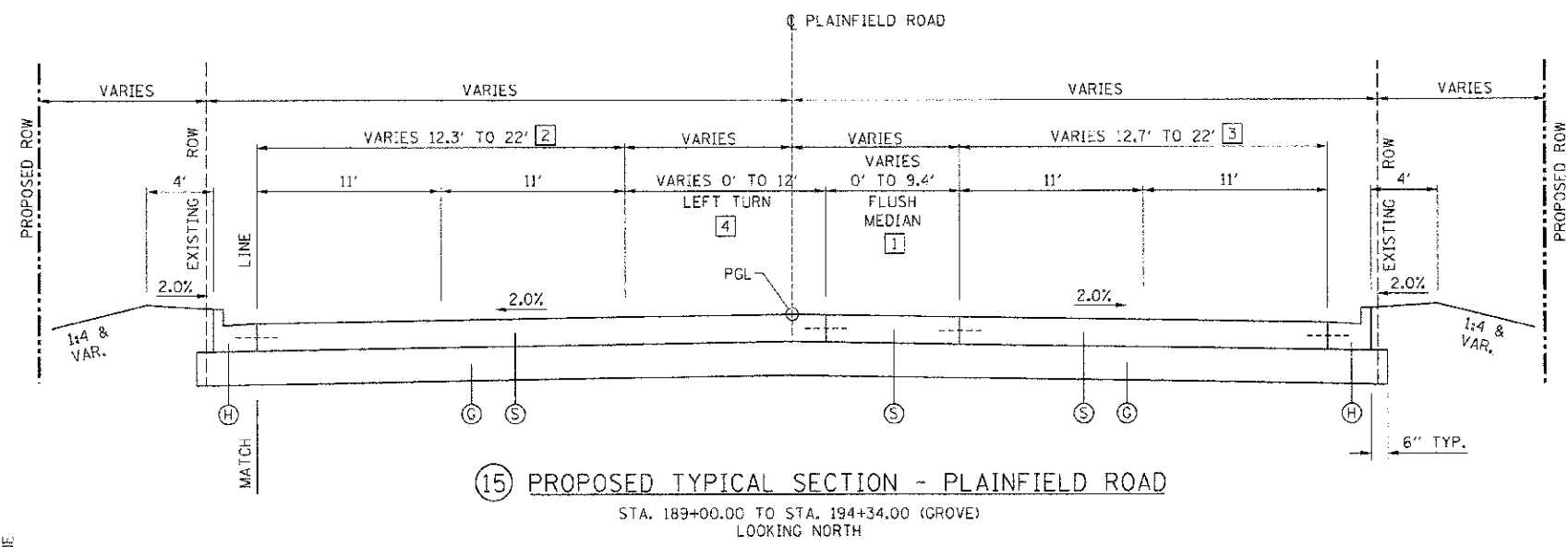


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1) DR	KENDALL	514	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



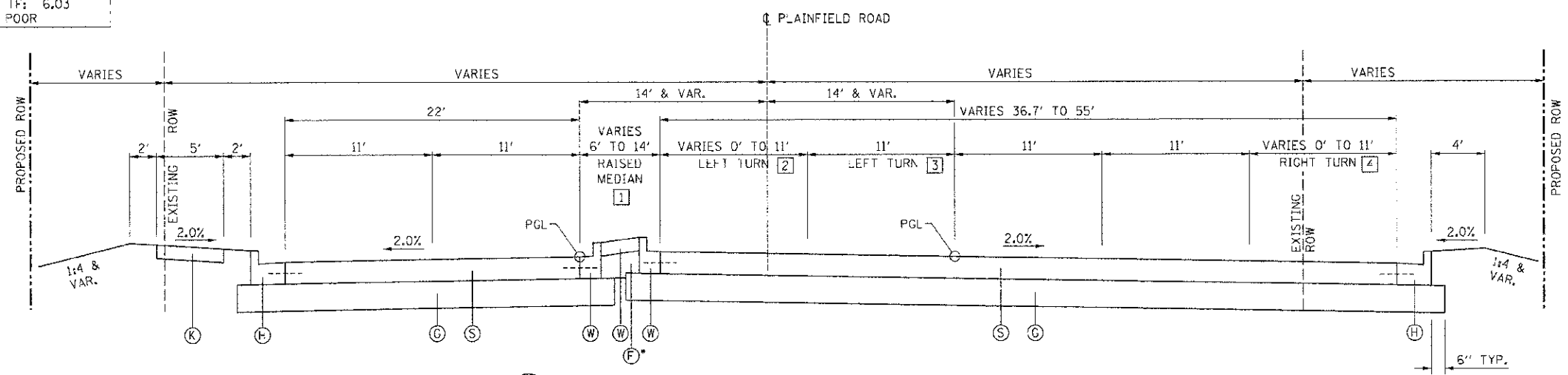
(15) PROPOSED TYPICAL SECTION - PLAINFIELD ROAD

STA. 189+00.00 TO STA. 194+34.00 (GROVE)
LOOKING NORTH

- [1] STA. 189+00.00 TO STA. 189+66.00 = 0.00'
STA. 189+66.00 TO STA. 191+54.00 = TRANSITION FROM 0.00' TO 9.4'
STA. 191+54.00 TO STA. 193+09.00 = TRANSITION FROM 9.4' TO 0.00'
STA. 193+09.00 TO STA. 193+71.13 = TRANSITION FROM 5.15' TO 8.25'
STA. 193+71.13 TO STA. 194+34.00 = TRANSITION FROM 8.25' TO 5.7'
- [2] STA. 189+00.00 TO STA. 191+25.00 = TRANSITION FROM 12.3' TO 22.00'
- [3] STA. 189+00.00 TO STA. 191+25.00 = TRANSITION FROM 12.7' TO 22.00'
- [4] STA. 191+54.00 TO STA. 193+09.00 = TRANSITION FROM 0.00' TO 12.00'
STA. 193+09.00 TO STA. 194+34.00 = 12.00'

- 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 V-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"
 - (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)

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



(16) PROPOSED TYPICAL SECTION - PLAINFIELD ROAD

STA. 195+13.88 (GROVE) TO STA. 199+38.38 (IL ROUTE 71)
LOOKING NORTH

- [1] STA. 195+13.88 TO STA. 196+46.80 = TRANSITION FROM 14.00' TO 6.00'
STA. 196+46.80 TO STA. 199+04.56 = 6.00'
- [2] STA. 195+13.88 TO STA. 196+46.80 = TRANSITION FROM 2.3' TO 11.00'
STA. 196+46.80 TO STA. 199+04.56 = 11.00'
- [3] STA. 195+13.88 TO STA. 199+04.56 = 11.00'
- [4] STA. 195+09.19 TO STA. 196+63.20 = TRANSITION FROM 0.00' TO 11.00'
STA. 196+63.20 TO STA. 199+38.38 = 11.00'

GRANULAR MATERIAL TO BE USED WHERE NEEDED AS FILL UNDER THE MEDIAN SURFACE OF THE VARIOUS MEDIAN TYPES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: VERT. HORIZ. DATE: 7/5/2012 DRAWN BY: SAE CHECKED BY: MED

T:\PROJECTS\1095914_PLOT DATE = 7/5/2012 FILE NAME = pr\civil\1095914\1095914.dwg