

STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL TRAFFIC: YEAR: 2024
 PV= 5001 SU= 375 MU= 1,000
 ROAD/STREET CLASSIFICATION: CLASS 1
 P= 78.43% S= 5.88% M= 15.69%
 TRAFFIC FACTOR: ACTUAL TF= 4.8
 MINIMUM TF= 7.1
 SUBGRADE SUPPORT RATING: SSR= POOR

PROPOSED LEGEND

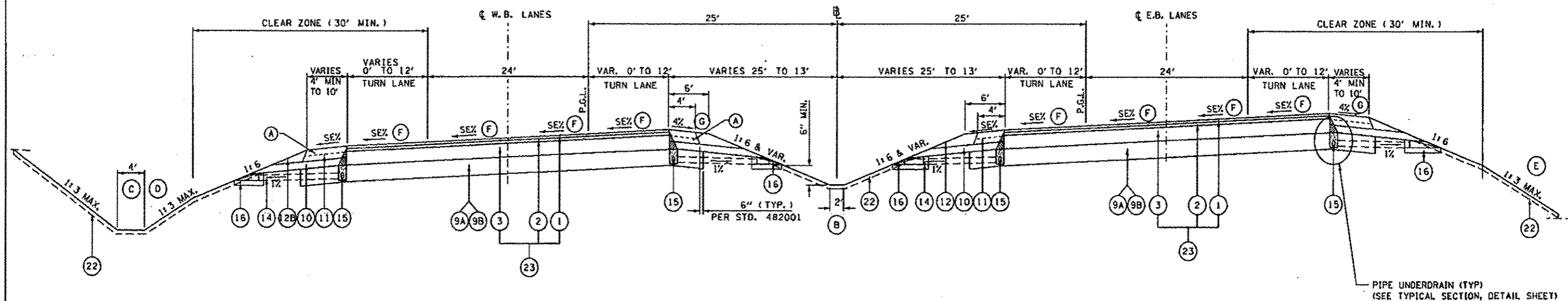
- 1 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 2"
- 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-12.5, N70 2.25"
- 3 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 8"
- ** 9A SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- ** 9B LIME MODIFIED SOIL 12"
- 10 EMBANKMENT
- 11 HOT-MIX ASPHALT SHOULDERS 8"
- 12 AGGREGATE SHOULDERS, TYPE B, 8"
- 12B AGGREGATE WEDGE SHOULDER, TYPE B
- 14 PIPE UNDERDRAIN 4" (SPECIAL) (STD 601201-D4) AT 1/2 SLOPE
- 15 4" PERFORATED CORRUGATED POLYETHYLENE TUBING @ 0.40% MIN. SLOPE (SEE PROP. UNDERDRAIN PROFILE SHEETS) (PAID FOR AS "PIPE UNDERDRAINS 4")
- 16 CONCRETE HEADWALL FOR PIPE DRAIN (PER STD 601101)
- 22 4" TOPSOIL PLACEMENT
- * 23 HMA PAVEMENT (FULL DEPTH), 12.25"

LEGEND NOTES:

* ITEMS 1, 2, & 3 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HMA PAVEMENT (FULL-DEPTH), 12.25"
 ** SUB-BASE GRANULAR MATERIAL IS REQUIRED AT SELECTED LOCATIONS. SEE SCHEDULE. CONTRACTOR OPTION FOR SUBGRADE IMPROVEMENT METHOD AT ALL OTHER LOCATIONS.

CUT SECTION

FILL SECTION



US ROUTE 34 SUPERELEVATED SECTION WITH TURN LANES

STA 533+33.05 TO STA 534+06.47
 STA 550+33.11 TO STA 552+34.80
 STA 698+53.45 TO STA 699+15.91
 STA 714+56.72 TO STA 718+50.83
 STA 779+31.42 TO STA 782+18.79
 STA 798+04.58 TO STA 802+69.13

NOTES:

- (A) CONSTRUCT HMA AND AGGREGATE SHOULDER UP TO TOP OF HMA BINDER COURSE 8" PRIOR TO PLACING 2.25" BINDER AND 2" SURFACE COURSES.
- (B) STANDARD MEDIAN DITCH DEPTH IS 3.24 FT. BELOW PROFILE GRADE LINE.
- (C) STANDARD OUTER DITCH DEPTH IS 5.00 FT. BELOW OUTSIDE EDGE OF PAVEMENT.
- (D) CONTINUE 1:6 FORESLOPE WHEN DITCH DEPTH IS 7.00 FT. OR LESS BELOW OUTSIDE EDGE OF PAVEMENT. USE 1:3 FORESLOPE OUTSIDE CLEAR ZONE (30') WHEN DITCH DEPTH IS GREATER THAN 7.00 FT.
- (E) SEE TYPICAL BENCH DETAIL IN FORESLOPE (WHERE APPLICABLE)
- (F) SEE SUPERELEVATION DETAIL SHEETS FOR SUPERELEVATION RATE AND TRANSITION.
- (G) IF S.E. IS GREATER THAN 4%, THEN SHOULDER SLOPE WILL VARY 8% MAXIMUM ROLLOVER.

REVISI 1-8-13

FILE NAME * 0468489-SHT-05-TYP-034-02-TURN.dgn	USER NAME * zeah1	DESIGNED - OBS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US ROUTE 34 - TURN LANE SUPERELEVATED			F.A.P. RTE. 313	SECTION 7-21 6-1	COUNTY HENDERSON	TOTAL SHEETS 976	SHEET NO. 85
PLOT SCALE * 1/8"=1'-0"	CHECKED - CSB	DRAWN - PSBA	REVISED -		SCALE: N.A.	SHEET NO. 5 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 68409			
PLOT DATE * 10/16/2012	DATE - 10/2012		REVISED -		ILLINOIS FED. AID PROJECT							