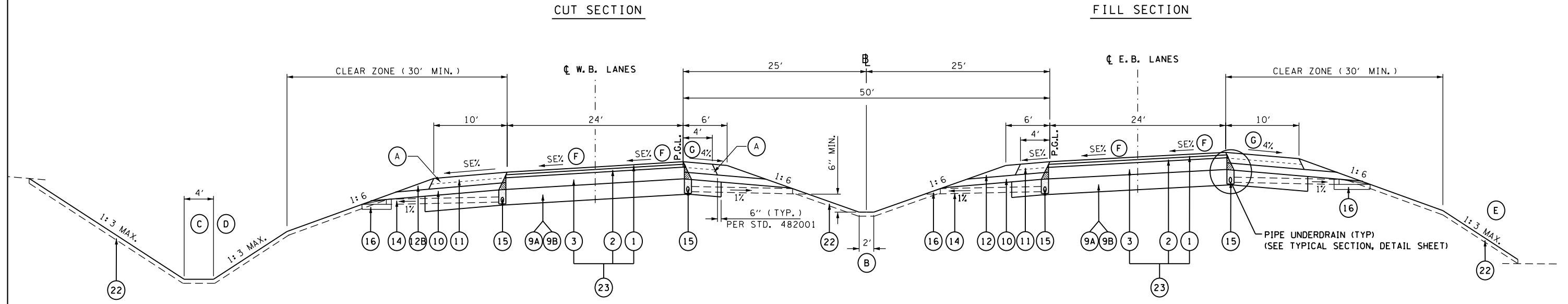


STRUCTURAL PAVEMENT DESIGN INFORMATION		
STRUCTURAL TRAFFIC:	YEAR: 2024	
PV= 5001	SU= 375	MU= 1,000
ROAD/STREET CLASSIFICATION:	CLASS I	
P= 78.43%	S= 5.88%	M= 15.69%
TRAFFIC FACTOR:	ACTUAL TF= 4.8	
	MINIMUM TF= 7.1	
SUBGRADE SUPPORT RATING:	SSR= POOR	

- 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% 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)
 - ⑰ 4" TOPSOIL PLACEMENT
 - ** ⑰ 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.



US ROUTE 34 SUPERELEVATED SECTION

STA 534+06.47 TO STA 550+33.11
 STA 601+84.35 TO STA 619+08.45
 STA 699+15.91 TO STA 714+56.72
 STA 782+18.79 TO STA 798+04.58

- 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.

FILE NAME = D468409-SHT-04-TYP-US34-SE.dgn	USER NAME = zachl	DESIGNED - DBS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US ROUTE 34 - SUPERELEVATED			F.A.P. RTE. 313	SECTION 7-2; 6-1	COUNTY HENDERSON	TOTAL SHEETS 976	SHEET NO. 84
	PLOT SCALE = 100.0000' / 1" =	CHECKED - CSB	REVISED -		SCALE: N.A.	SHEET NO. 4 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 68409			
	PLOT DATE = 10/16/2012	DATE - 10/2012	REVISED -		ILLINOIS FED. AID PROJECT							