

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

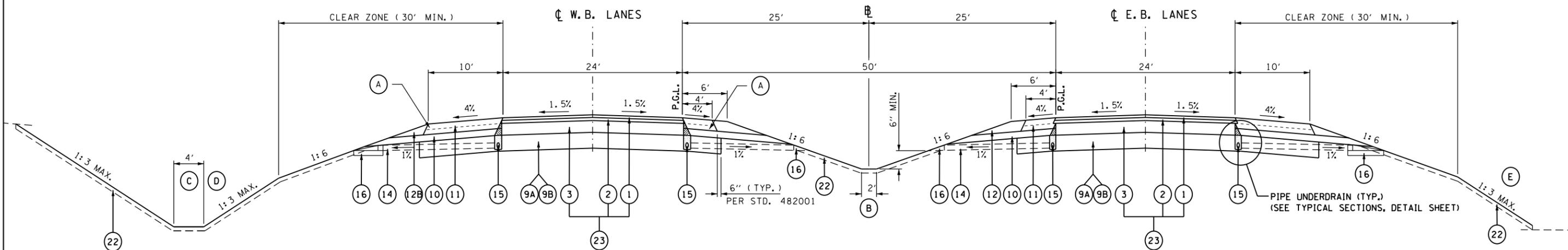
- 1 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 2"
- 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-12.5, N70 2.25"
- 3 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 8"
- * * 9A SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- * * 9B LIME MODIFIED SOIL 12"
- 10 EMBANKMENT
- 11 HOT-MIX ASPHALT SHOULDERS 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)
- 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 TANGENT SECTION

STA 523+00.00 TO STA 523+30.60 (EB ONLY)
 STA 561+18.12 TO STA 601+84.35
 STA 619+08.45 TO STA 688+63.93
 STA 727+95.41 TO STA 743+75.27
 STA 754+25.00 TO STA 755+42.87
 STA 755+42.87 TO STA 755+48.30 (EB ONLY)

BRIDGE OMMISIONS
 (STA 755+42.87 TO STA 759+12.87) (SN 036-0063 WB)
 (STA 755+48.30 TO STA 759+18.30) (SN 036-0062 EB)

STA 759+12.87 TO STA 759+18.30 (WB ONLY)
 STA 759+18.30 TO STA 771+48.93
 STA 808+42.68 TO STA 809+63.87 (WB ONLY)

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)

FILE NAME = D468409-SHT-02-TYP-US34-TANG.dgn	USER NAME = zschl	DESIGNED - DBS	REVISED -
		DRAWN - PSBA	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED - CSB	REVISED -
	PLOT DATE = 10/16/2012	DATE - 10/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS US ROUTE 34 - TANGENT	
SCALE: N.A.	SHEET NO. 2 OF 18 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	7-2; 6-1	HENDERSON	976	82
CONTRACT NO. 68409				
ILLINOIS FED. AID PROJECT				