

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% 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"

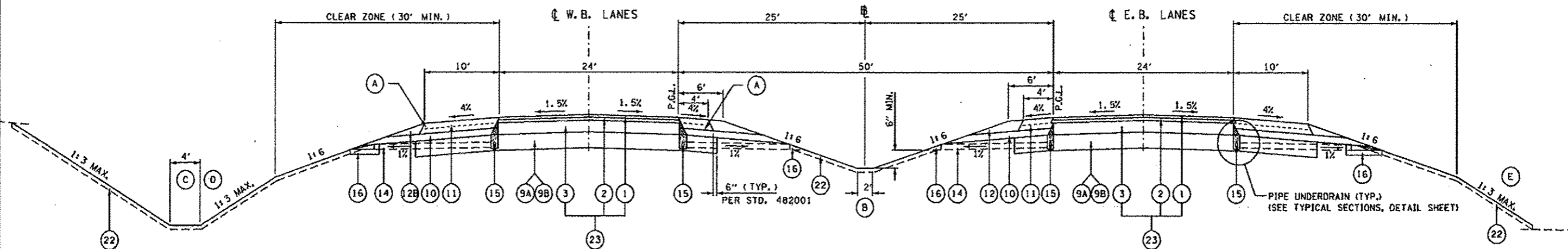
LEGEND NOTES:

* 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 OMISSIONS

(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)

REVISION 1-B-13

FILE NAME * 0460489-SHT-02-TYP-US34-TANG.dgn	USER NAME * zschj	DESIGNED - OBS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US ROUTE 34 - TANGENT			F.A.P. RTE. 313	SECTION 7-2: 6-1	COUNTY HENDERSON	TOTAL SHEETS 976	SHEET NO. 82
PLDT SCALE * 1/8" = 1' / in.	CHECKED - CSB	REVISED -	REVISED -		SCALE: N.A.	SHEET NO. 2 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 68409			
PLDT DATE * 10/16/2012	DATE - 10/2012	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							