

PROPOSED RURAL TANGENT TYPICAL SECTION (EX. U.S. 45 ON RIGHT)

TO BE USED: STA. 458+45.08 TO 464+19.61
 STA. 479+66.94 TO 502+82.93 **
 STA. 516+21.71 TO 680+52.29 **

**SEE PROPOSED RURAL TANGENT TYPICAL SECTION WITH TURN LANES TYPICAL FOR TURN LANE LOCATIONS.
 SEE CROSS SECTIONS FOR DITCH LOCATIONS AND ELEVATIONS

LEGEND

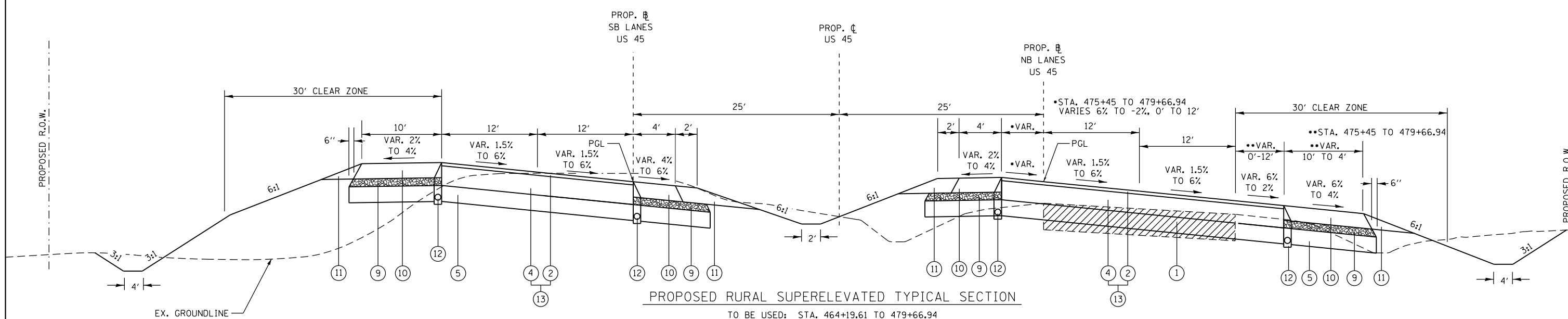
- ① EXISTING HOT-MIX ASPHALT RESURFACED PCC PAVEMENT, 14"
 - ② HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90, 2 1/4"
 - ④ HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0, 9"
 - ⑤ PROCESSING LINE MODIFIED SOILS (12" MIN.) (SEE GEOTECHNICAL REPORT FOR DEPTH OF PROPOSED LIME MODIFICATION)
 - ⑨ SUB-BASE GRANULAR MATERIAL TYPE "C" (TO BE OMITTED IF ALT B IS USED)
 - ⑩ ALT A: HOT-MIX ASPHALT SHOULDERS, 8" OR ALT B: PORTLAND CEMENT CONCRETE SHOULDERS, 9"
 - ⑪ AGGREGATE SHOULDERS, TYPE B
 - ⑫ PIPE UNDERDRAINS, 4" (HWY STD. 601001)
 - ⑬ ALT A: HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11.25" OR ALT B: PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
- REMOVAL

PAVEMENT STRUCTURE DESIGN

STRUCTURAL DESIGN TRAFFIC:	YEAR <u>2024</u>
PV = <u>9470</u>	SU = <u>595</u> MU = <u>235</u>
ROAD/STREET CLASSIFICATION:	CLASS <u>1</u>
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = <u>32%</u>	S = <u>45%</u> M = <u>45%</u>
TRAFFIC FACTOR: ACTUAL TF = <u>1.74</u>	
MINIMAL TF = <u>3.56</u>	
PG GRADE: BINDER = <u>64-22</u>	SURFACE = <u>64-22</u>

NOMINAL THICKNESS FOR EACH LIFT OF BINDER SHALL BE AS FOLLOWS:

9" BINDER	
1st LIFT	3"
2nd LIFT	3"
3rd LIFT	3"



PROPOSED RURAL SUPERELEVATED TYPICAL SECTION

TO BE USED: STA. 464+19.61 TO 479+66.94
 NOTE: FOR SUPERELEVATION TRANSITION SEE SUPERELEVATION SCHEDULE

FILE NAME =	USER NAME = bemory	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS U.S. 45				F.A.P. RTE. = 332	SECTION = (29,30)R-1	COUNTY = SALINE	TOTAL SHEETS = 745	SHEET NO. = 27
P:\Projects\2011 Projects\11297 - IDOT US 45 Ph2\CV\CADD Sheets\0978077-sht-typical.dgn		DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO. 4 OF	SHEETS	STA.	TO STA.	CONTRACT NO. 78077			
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -										
PLOT DATE = 4/30/2014		DATE -	REVISED -										