

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

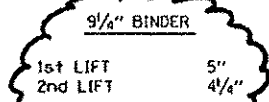
TO BE USED: STA. 458+45.08 TO 464+19.61
 STA. 479+66.94 TO 502+82.93 **
 STA. 516+21.71 TO 680+52.29 **

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

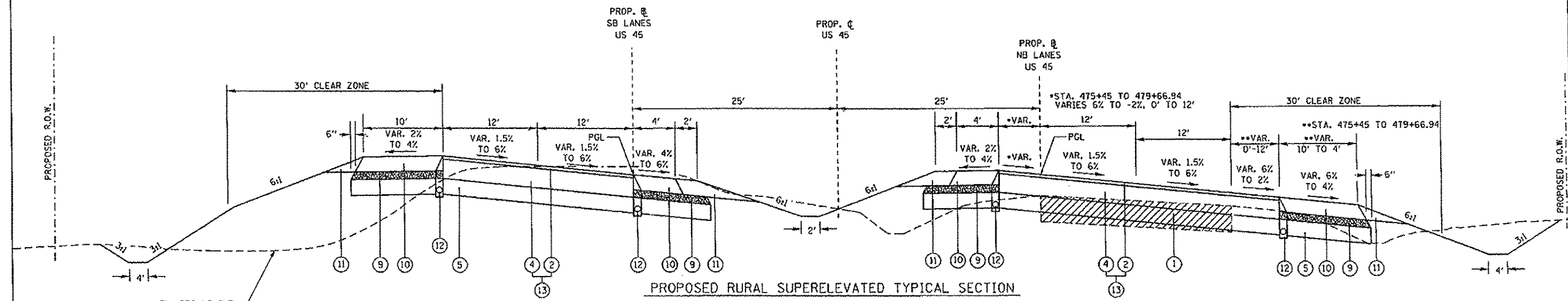
PAVEMENT STRUCTURE DESIGN

STRUCTURAL DESIGN TRAFFIC:	YEAR 2023
PV = 9470	SU = 595 MU = 235
ROAD/STREET CLASSIFICATION:	CLASS 1
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 32%	S = 45% M = 45%
TRAFFIC FACTOR:	ACTUAL TF = 1.14 MINIMAL TF = 3.56
PG GRADE:	BINDER = 64-22 SURFACE = 64-22

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



- LEGEND
- ① EXISTING HOT-MIX ASPHALT RESURFACED PCC PAVEMENT, 14"
 - ② HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90, 2"
 - ④ HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0, 9 1/4"
 - ⑤ PROCESSING LIME 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) & STAB. SUBBASE 4"
- REMOVAL



PROPOSED RURAL SUPERELEVATED TYPICAL SECTION

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

REVIS 7-22-14

FILE NAME:	USER NAME: bawerk	DESIGNED:	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS U.S. 45	F.A.P.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
PROJECT: 2811 Projects\11217 - ROOT US 45 P&I\CD\CARD Sheets\0378077-shr-typical.dgn	DRAWN:	REVISED:	332			(29,30R-1)	SALINE	745	27	
PLOT SCALE: 1/8" = 1' in.	CHECKED:	REVISED:	CONTRACT NO. 78077							
PLOT DATE: 7/21/2014	DATE:	REVISED:	ILLINOIS FED. AID PROJECT							