

NOTE: FOR SUPERELEVATION TRANSITION SEE SUPERELEVATION DETAIL SHEET NO.

PROPOSED RURAL SUPERELEVATED TYPICAL SECTION

TO BE USED: STA. 693+82.59 TO 700+00

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, 9/4"
 - 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

PAVEMENT STRUCTURE DESIGN

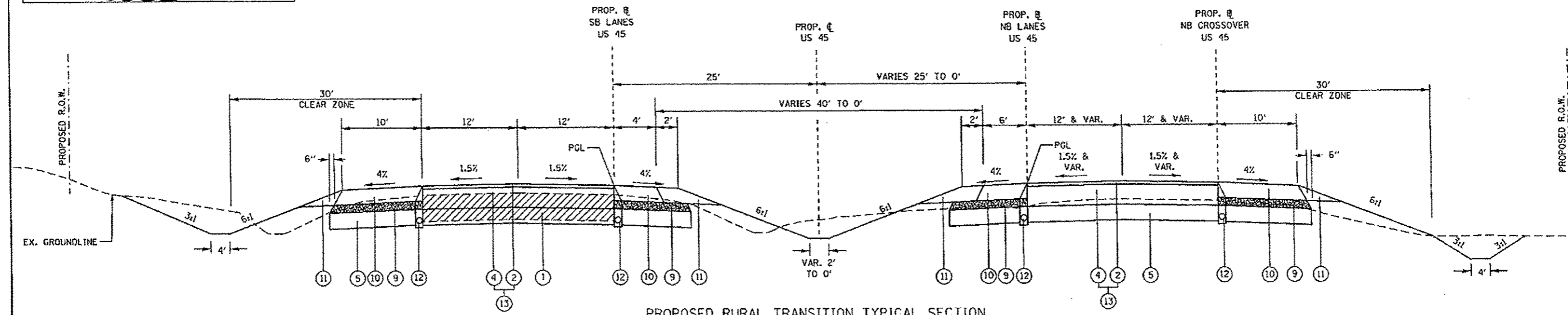
STRUCTURAL DESIGN TRAFFIC: YEAR 2024		
PV = 9470	SU = 595	MU = 235
ROAD/STREET CLASSIFICATION: CLASS 1		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 32%	S = 45%	M = 45%
TRAFFIC FACTOR: ACTUAL TF = 1.74		
MINIMAL TF = 3.56		
PG GRADE: BINDER = .64-22 SURFACE = .64-22		

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

9/4" BINDER

1st LIFT 5"

2nd LIFT 4/4"



PROPOSED RURAL TRANSITION TYPICAL SECTION

TO BE USED: STA. 700+00 TO 705+49.18 (US 45) = STA. 2700+00 TO 2705+55.13 (NB CROSSOVER)
SEE CROSS SECTIONS FOR DITCH LOCATIONS AND ELEVATIONS

REVISD 7-22-14

FILE NAME:	USER NAME: bberry	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS U.S. 45	F.A.P. R.T.E.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:	
PROJECT: 11297 - IDOT US 45	PROJECT: 11297 - IDOT US 45	DRAWN: -	REVISED: -			332	(29,300R-1)	SALINE	745	30	
PLOT SCALE: 1/8" = 1' in.	PLOT SCALE: 1/8" = 1' in.	CHECKED: -	REVISED: -			CONTRACT NO. 78077					
PLOT DATE: 7/21/2014	PLOT DATE: 7/21/2014	DATE: -	REVISED: -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					