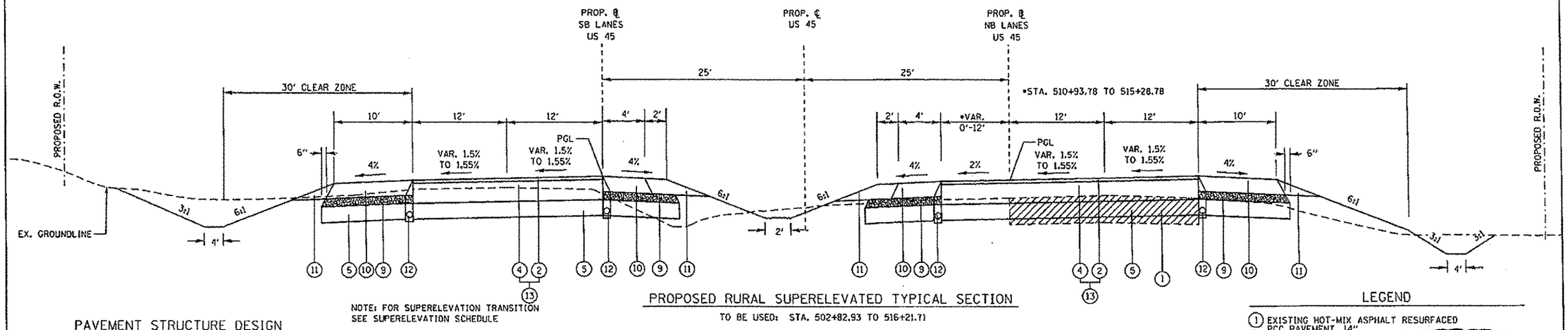


NOTE: FOR SUPERELEVATION TRANSITION SEE SUPERELEVATION SCHEDULE

PROPOSED RURAL SUPERELEVATED TYPICAL SECTION

TO BE USED: STA. 502+82.93 TO 516+21.71

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:

9¼" BINDER

1st LIFT 5"
2nd LIFT 4¼" ⚠1

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, 9¼" ⚠1

(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)

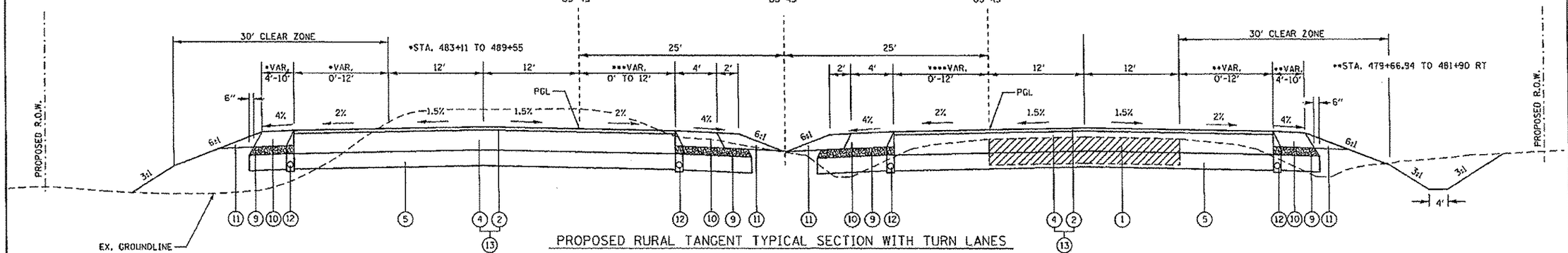
(10) ALT A: HOT-MIX ASPHALT SHOULDERS, 8"
OR
ALT B: PORTLAND CEMENT CONCRETE SHOULDERS, 9"

(11) AGGREGATE SHOULDERS, TYPE B

(12) PIPE UNDERDRAINS, 4" (HWY STD. 601001)

(13) ALT A: HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11.25" ⚠1
OR
ALT B: PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED) & STAB. SUBBASE 4"

REMOVAL



PROPOSED RURAL TANGENT TYPICAL SECTION WITH TURN LANES

*** STA. 483+40 TO 489+55 LT
STA. 517+42 TO 521+77 LT
STA. 577+92 TO 582+27 LT
STA. 607+30 TO 611+65 LT

**** STA. 479+66.94 TO 481+60 RT
STA. 571+77 TO 576+12 RT
STA. 601+15 TO 605+50 RT

SEE CROSS SECTIONS FOR DITCH LOCATIONS AND ELEVATIONS

⚠1 REVISED 7-22-14

FILE NAME = P:\Projects\2011 Projects\11217 - IDOT US45 FAZ\CV\CADD Sheets\0776077-sht-typicsel.dgn	USER NAME = bewery	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/23/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
U.S. 45

SCALE: N.T.S | SHEET NO. 5 OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(29,30)R-1	SALINE	745	28
		CONTRACT NO. 78077		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		