

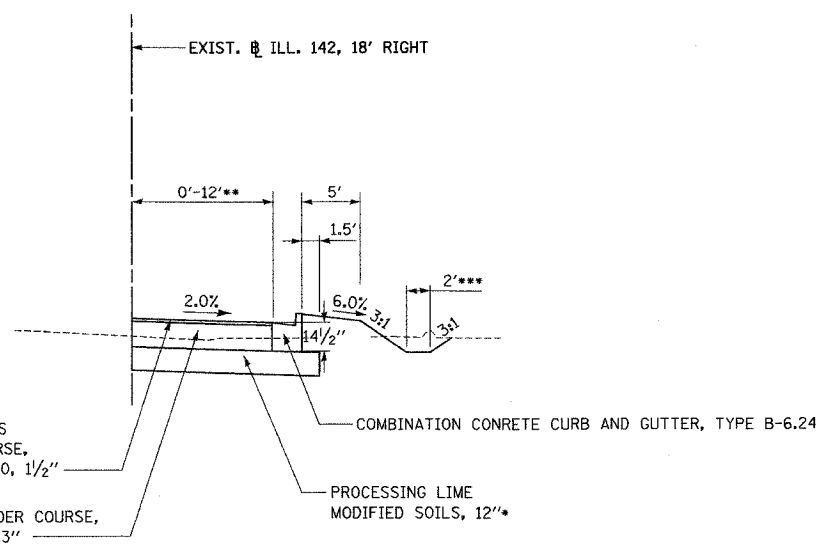
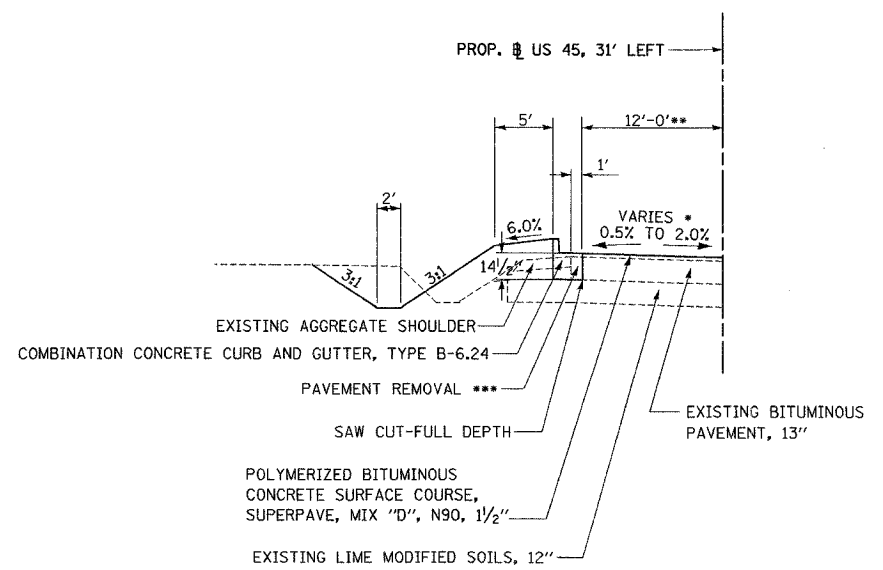
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1-2, 31B	SALINE	199	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

U.S. ROUTE 45  
RIGHT TURN LANE DETAIL

ILL. ROUTE 142  
RIGHT TURN LANE DETAIL  
SEE INTERSECTION GEOMETRICS SHEET 84 AND  
PAVEMENT MARKING SHEET 91 FOR  
INTERSECTION AND TRANSITION DETAILS

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

13" BINDER	
1st LIFT	5" (MAX.)
2nd LIFT	3"
3rd LIFT	3"
4th LIFT	2" (MAX.)



TO BE USED FOR RIGHT TURN LANE DEVELOPMENT:

- AT TROLLEY RD.  
STA. 338+65.10 TO 341+36.88 (LT)
- 0.5% AT STA. 338+65.10  
2.0% AT STA. 339+86.80
- 12' - STA. 338+65.10 LT TO 339+86.80 LT  
12' TO 0' - STA. 339+86.80 LT TO 341+36.88 LT
- 1' WIDE PAVEMENT REMOVAL:  
STA. 338+65.10 LT. TO 341+36.88 LT.

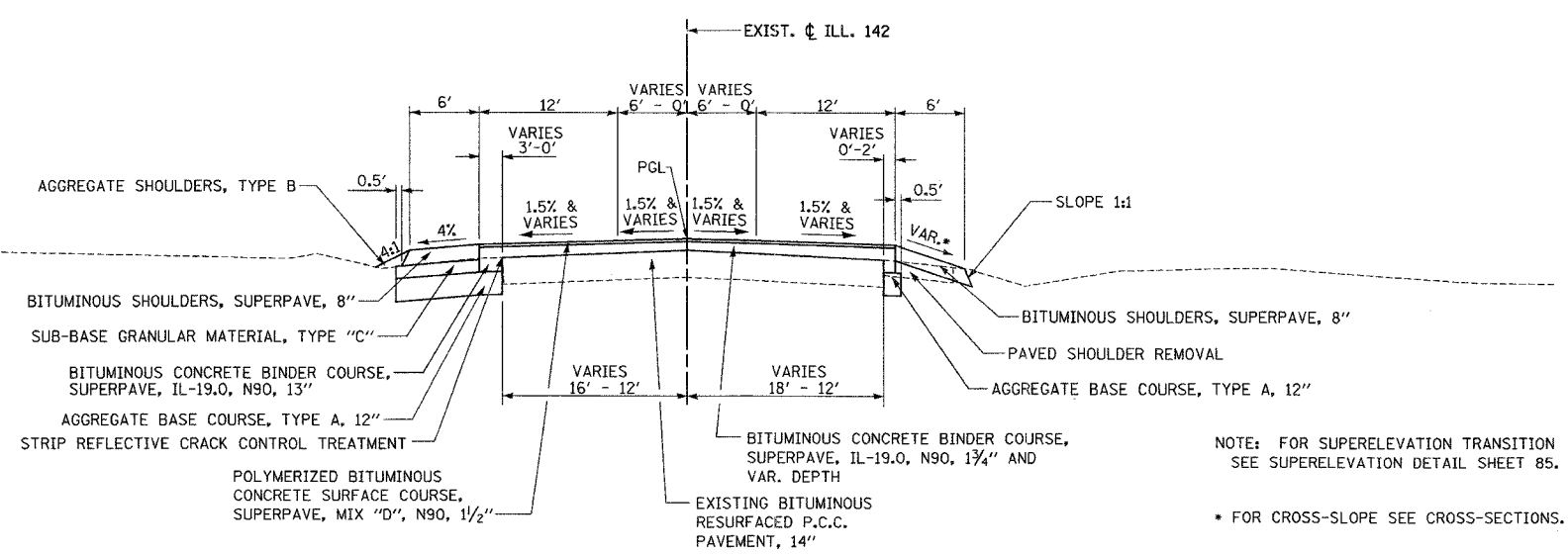
TO BE USED FOR RIGHT TURN LANE DEVELOPMENT:

- AT U.S. RTE. 45  
STA. 7+87.01 TO 9+43.00 (RT)
- WHEN WIDENING IS LESS THAN 8',  
USE AGGREGATE BASE COURSE, TYPE A
- TAPER 0' TO 12' STA. 7+87.01 RT TO 9+36.95 RT
- FOR DITCH LOCATION SEE CROSS-SECTIONS.

US 45

STRUCTURAL DESIGN TRAFFIC:	Year 2022
PV = 25,670	SU = 545 MU = 545
ROAD/STREET CLASSIFICATION:	Class I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 0.32	S = 0.45 M = 0.45
TRAFFIC FACTOR: Actual TF = 4.27	AC Type = AC-20
SUBGRADE SUPPORT RATING:	FAIR

TYPICAL SECTIONS  
ILL. RTE. 142



NOTE: FOR SUPERELEVATION TRANSITION  
SEE SUPERELEVATION DETAIL SHEET 85.

FOR CROSS-SLOPE SEE CROSS-SECTIONS.

ILL. RTE. 142  
TO BE USED: STA. 15+86.43 TO 18+15.66

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