

**STRUCTURAL DESIGN INFORMATION**  
**US ROUTE 45 AND RAMPS A, B, C, AND D**

ROAD CLASSIFICATION: CLASS II

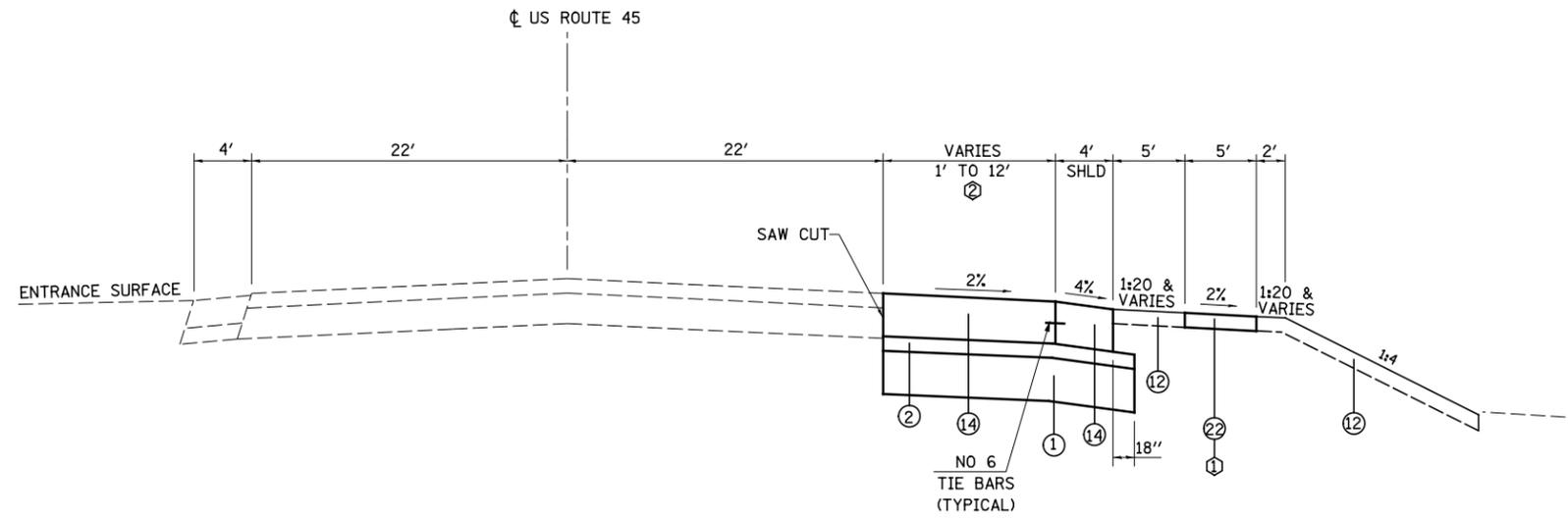
STRUCTURAL DESIGN TRAFFIC: 2030  
 PV = 2401 SU = 274 MU = 755

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 100% S = 100% M = 100%

MINIMUM SUBGRADE SUPPORT RATING: POOR

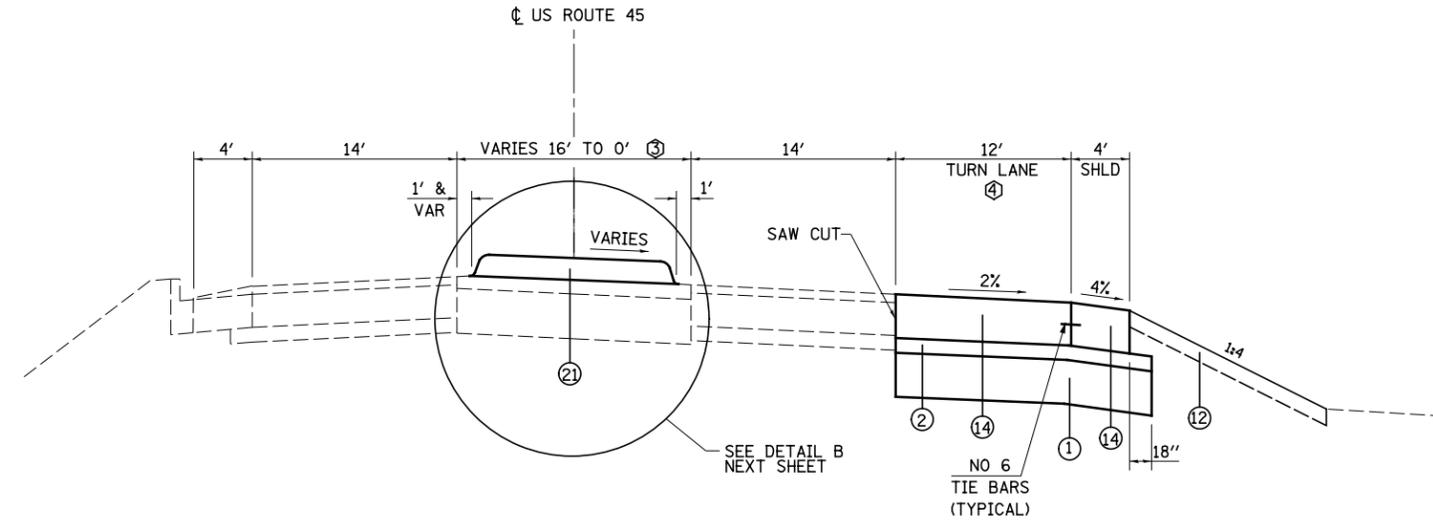
RIGID PAVEMENT DESIGN: MINIMUM  $T_F = 11.02$   
 ACTUAL  $T_F = 9.32$

SELECTED DESIGN 9.75 JRCP



**PROPOSED US ROUTE 45**  
 STA 47+50.00 TO STA 49+70.00

- ① SIDEWALK BEGINS STA 48+40.09 AND ENDS STA 50+36.21, 58.97' RT
- ② TURN LANE BEGINS, 1' STUB, RT STA 47+68.48



**PROPOSED US ROUTE 45**  
 STA 49+70.00 TO STA 52+59.42

- ③ MEDIAN STA 51+23.60 TO STA 52+19.34
- ④ TURN LANE ENDS RT STA 51+66.90

**LEGEND**

- |  |   |
|--|---|
| ① PROPOSED LIME MODIFIED SOIL 12", 24" (SEE SCHEDULE)      | ⑮ PROPOSED COARSE AGGREGATE - COST INCLUDED IN PORTLAND CEMENT CONCRETE SHOULDERS 13"     |
| ② PROPOSED STABILIZED SUB-BASE 4"                          | ⑯ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)  |
| ③ PROPOSED CONTINUOUSLY REINFORCED PCC PAVEMENT 13"        | ⑰ PROPOSED AGGREGATE (PRIME COAT)   |
| ④ PROPOSED PAVEMENT REINFORCEMENT 13"                      | ⑱ PROPOSED LEVELING BINDER (MACHINE METHOD), N105 VARIES 0" TO 6"                         |
| ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B 6"                  | ⑲ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 & VARIES |
| ⑥ PROPOSED PIPE UNDERDRAINS 6"                             | ⑳ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2" & VARIES   |
| ⑦ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 13"          | ㉑ PROPOSED CONCRETE MEDIAN, TYPE SM (DOWELLED)  |
| ⑧ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 | ㉒ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 4"   |
| ⑨ PROPOSED CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT   | ㉓ PROPOSED BRIDGE APPROACH SLAB   |
| ⑩ PROPOSED STEEL PLATE BEAM GUARD RAIL, TYPE A             | ㉔ PROPOSED CONCRETE BARRIER BASE  |
| ⑪ PROPOSED STORM SEWERS, CLASS A                           | ㉕ PROPOSED PIPE UNDERDRAIN 4"   |
| ⑫ PROPOSED TOPSOIL 4"                                      | ㉖ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B   |
| ⑬ PROPOSED PCC PAVEMENT 10" (JOINTED)                      | ㉗ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"  |
| ⑭ PROPOSED PCC PAVEMENT 9 3/4" (JOINTED)                   | ㉘ PROPOSED PAVEMENT FABRIC  |
|  | ㉙ SLAG MODIFIED CEMENT, 12"   |

SEE LEGEND NOS. ③-④ FOR PAVEMENT COMPOSITION OF SHOULDERS AND DRIVING LANES

NOTES  
 PROPOSED SIDE SLOPES/DITCHES VARY - SEE CROSS SECTIONS

LIMITS OF PROPOSED TOPSOIL Varies - SEE CROSS SECTIONS

FILE NAME =	USER NAME = *USER*	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS US ROUTE 45</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
*FILEL*		DRAWN - RCB	REVISED -		SCALE: 1"=50'	SHEET NO. 28 OF 35 SHEETS	STA.	TO STA.	57/70	(25-4R)	EFFINGHAM	1760	73
		CHECKED - BRM	REVISED -		<b>CONTRACT NO. 74295</b>								
		DATE - 01/22/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								