

STRUCTURAL DESIGN INFORMATION
FAI RTE 57/70 MAINLINE, DIRECTIONAL
ROADWAYS AND FAI ROUTE 70

ROAD CLASSIFICATION: CLASS I

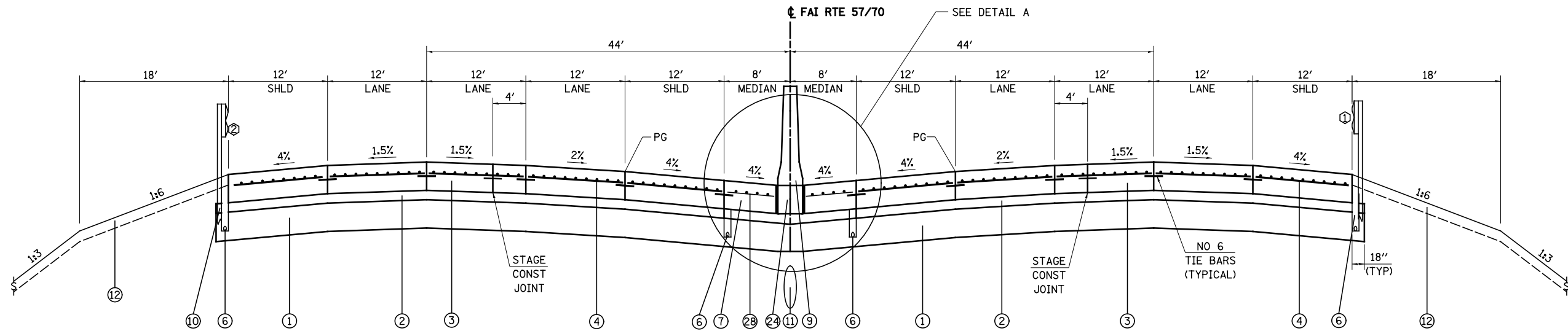
STRUCTURAL DESIGN TRAFFIC: 2030
 PV = 31,764 SU = 3,546 MU = 21,274

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
 P = 20% S = 40% M = 40%

MINIMUM SUBGRADE SUPPORT RATING: POOR

RIGID PAVEMENT DESIGN: MINIMUM $T_F = 8.93$
 ACTUAL $T_F = 122.62$

SELECTED DESIGN 13.0 CRCP



⑫ GUARD RAIL LT STA 2270+25.50 TO STA 2274+25.50

PROPOSED MAINLINE TANGENT SECTION

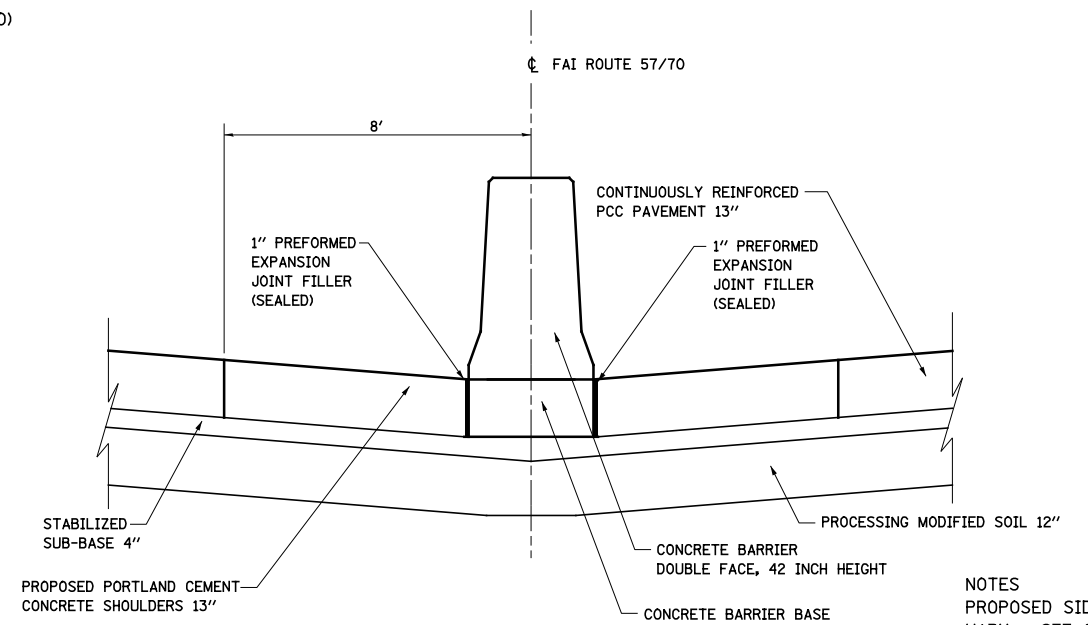
① GUARD RAIL ENDS RT STA 2270+69.50

STA 2268+00.00 TO STA 2274+69.59 (FAI RTE 57/70)

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



DETAIL A

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 -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS MAINLINE FAI ROUTES 57 / 70	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - RCB	REVISED -			57/70	(25-4R)	EFFINGHAM	1760	46	
		CHECKED - BRM	REVISED -			SCALE: 1"=50'		SHEET NO. 1 OF 35 SHEETS		STA.	TO STA.
		DATE - 01/22/09	REVISED -					FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
						CONTRACT NO. 74295					