

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

ROAD CLASSIFICATION: CLASS I

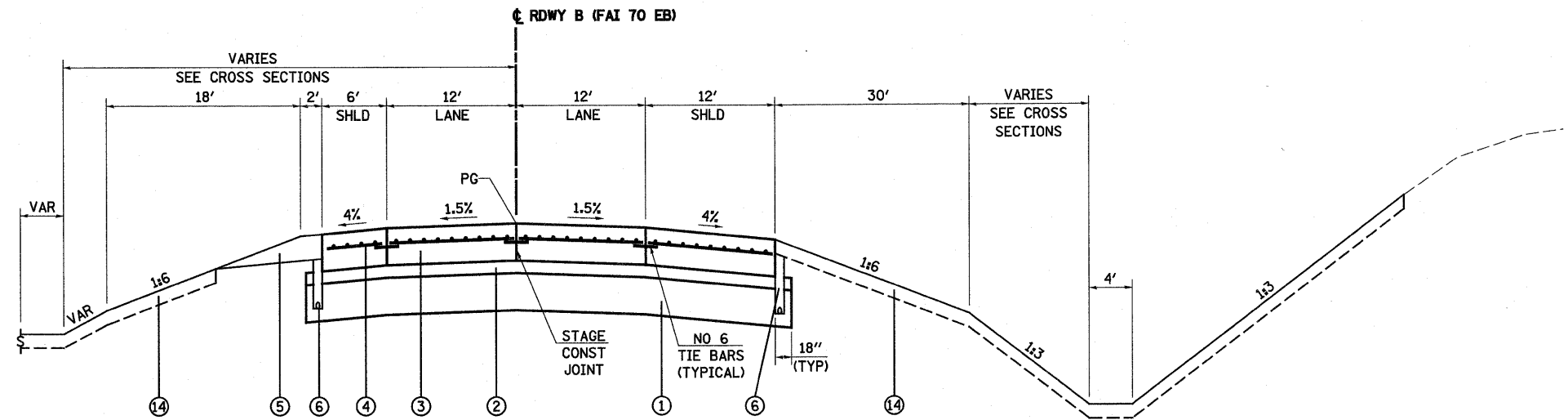
STRUCTURAL DESIGN TRAFFIC: 2030
PV = 31,120 SU = 2,642 MU = 22,900

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 $T_F = 130.64$

SELECTED DESIGN 13.0 CRCP



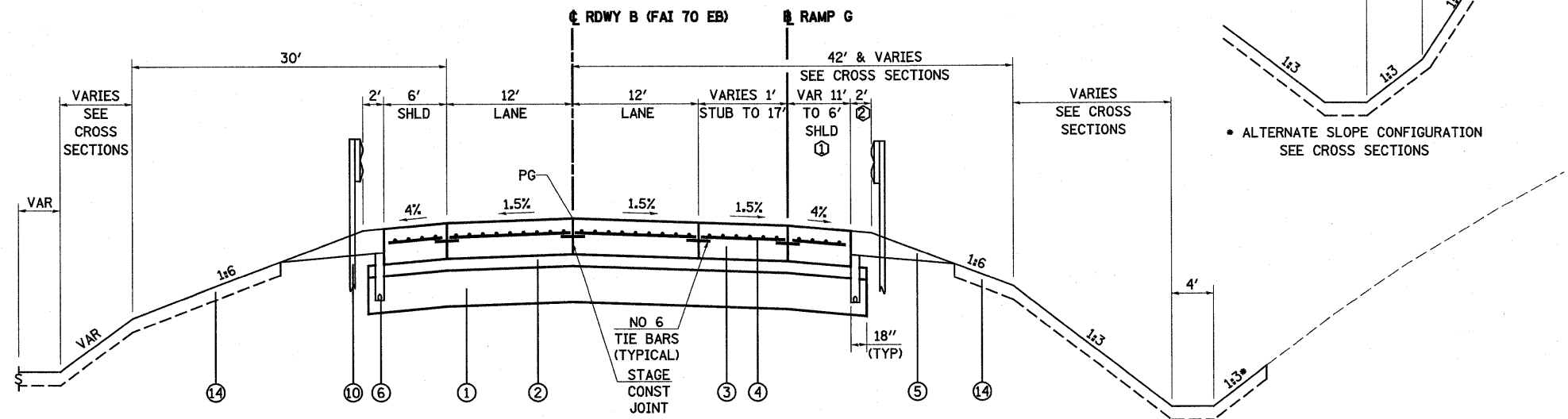
PROPOSED ROADWAY B TANGENT SECTION

STA 2015+00.00 TO STA 2025+95.69 (RDWY B, FAI TO EB)

LEGEND

- ① PROPOSED SLAG MODIFIED PORTLAND CEMENT MODIFIED SOIL 12"
- ② PROPOSED STABILIZED SUB-BASE 4"
- ③ PROPOSED CONTINUOUSLY REINFORCED PCC PAVEMENT 13"
- ④ PROPOSED PAVEMENT REINFORCEMENT 13"
- ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B 6"
- ⑥ PROPOSED PIPE UNDERDRAINS 6"
- ⑦ PROPOSED CONCRETE MEDIAN SURFACE, 6" (SPECIAL)
- ⑧ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑨ PROPOSED CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT
- ⑩ PROPOSED STEEL PLATE BEAM GUARD RAIL, TYPE A
- ⑪ PROPOSED STORM SEWERS, CLASS A
- ⑫ PROPOSED PIPE UNDERDRAINS 4"
- ⑬ PROPOSED WIDE FLANGE BEAM TERMINAL JOINT
- ⑭ PROPOSED TOPSOIL 4"
- ⑮ PROPOSED PCC PAVEMENT 10" (JOINTED)
- ⑯ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑰ PROPOSED AGGREGATE (PRIME COAT)
- ⑱ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105 2" AND VARIES
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2" AND VARIES
- ⑳ PROPOSED COARSE AGGREGATE
- ㉑ PROPOSED CONCRETE BARRIER BASE
- ㉒ PROPOSED CONCRETE BARRIER, VARIABLE CROSS SECTION 42" HEIGHT
- ㉓ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ㉔ PROPOSED LIME MODIFIED SOIL 12"
- ㉕ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B

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



PROPOSED ROADWAY B TANGENT SECTION

STA 2025+95.69 TO STA 2028+95.79 (RDWY B, FAI TO EB)

STATION EQUATION - STA 2025+95.69, RDWY B = STA 10+00.00, RAMP G

- ① 6' PCC SHOULDER BEGINS RT STA 2026+87.43
- ② 2' AGGREGATE SHOULDER BEGINS RT STA 2026+69.27

NOTES
PROPOSED SIDE SLOPES/DITCHES VARY - SEE CROSS SECTIONS

LIMITS OF PROPOSED TOPSOIL VARIES - SEE CROSS SECTIONS

PAVEMENT JOINTS OPTIONAL - LONGITUDINAL CONSTRUCTION JOINT OR LONGITUDINAL SAWED JOINT

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS - SOUTH TRI-LEVEL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	25-3R	EFFINGHAM	1416					136				
SCALE: 1"=50'					SHEET NO. 1 OF 18 SHEETS			STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
DRAWN - RCB		REVISED -			CONTRACT NO. 74296							
CHECKED - BRM		REVISED -										
DATE - 3-04-08		REVISED -										