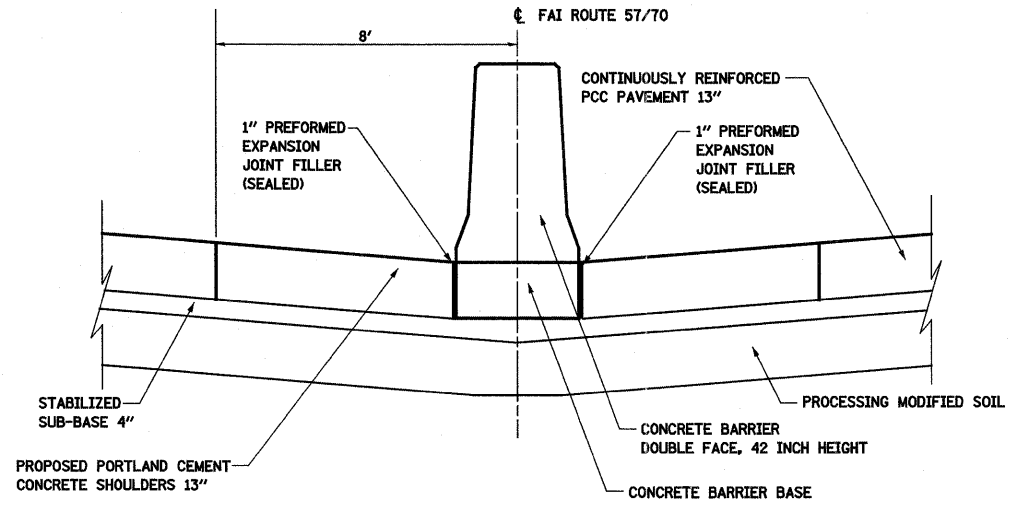
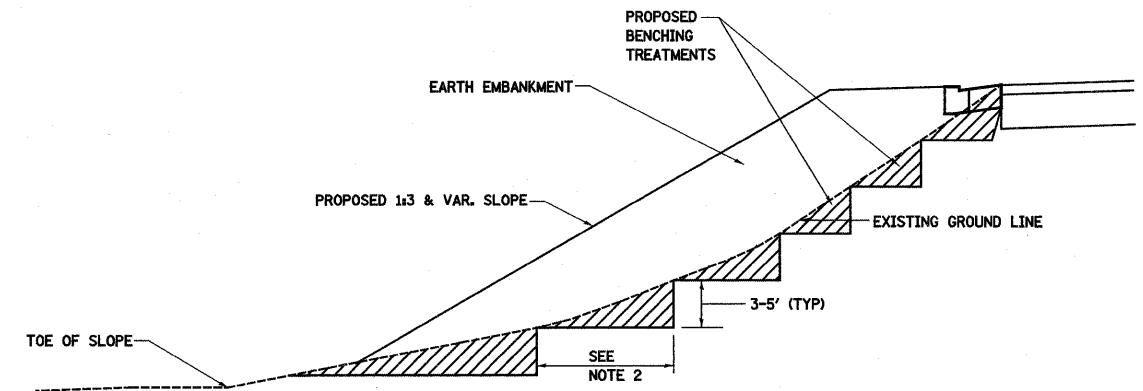


PROPOSED MAINLINE TANGENT SECTION
STA 2121+44.00 TO STA 2124+23.58 (FAI RTE 57/70)



DETAIL A



TYPICAL

**STRUCTURAL DESIGN INFORMATION
FAI RTE 57/70 MAINLINE**

ROAD CLASSIFICATION: CLASS I

STRUCTURAL DESIGN TRAFFIC: 2030
PV = 29,904 SU = 2,652 MU = 22,980

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 $T_F = 131.10$

SELECTED DESIGN 13.0 CRCP

LEGEND

- ① PROPOSED PROCESSING 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 PORTLAND CEMENT CONCRETE SHOULDERS 13"
 - 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 TOPSOIL 4"
 - ⑬ PROPOSED PCC PAVEMENT 10 1/4" (JOINTED)
 - ⑭ PROPOSED PCC PAVEMENT 10 1/2" (JOINTED)
 - ⑮ PROPOSED PAVEMENT FABRIC
 - ⑯ PROPOSED CONCRETE BARRIER BASE
 - ⑰ PROPOSED PIPE UNDERDRAINS 4"
 - ⑱ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 4"
 - ⑲ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
 - ⑳ PROPOSED AGGREGATE SHOULDER TYPE B
 - ㉑ PROPOSED PROCESSING MODIFIED SOIL 24"
- SEE LEGEND NOS. ③ - ④ FOR PAVEMENT COMPOSITION OF SHOULDERS AND DRIVING LANES

GENERAL NOTES:

1. SLOPE STEPS WILL BE REQUIRED FOR ALL 12" THICKNESS "SLIVER FILLS" AND ON ALL FILLS WITH A HEIGHT OF 10' OR GREATER.
2. THE STEP WIDTH SHALL BE TWICE THE STEP DEPTH BUT NOT LESS THEN 6'.
3. REFER TO ARTICLE 205.03 FOR EMBANKMENT TO BE CONSTRUCTED ON HILLSIDE OR SLOPES, OR IF EXISTING EMBANKMENTS ARE TO BE WIDENED.
4. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION, AND THEIR CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICES FOR THESE ITEMS.

NOTES
PROPOSED SIDE SLOPES/DITCHES VARY - SEE CROSS SECTIONS

LIMITS OF PROPOSED TOPSOIL VARIES - SEE CROSS SECTIONS

FILE NAME =	USER NAME = John	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS - I-57/70	F.A.I. RTE. 57/70	SECTION (25-3,4)R	COUNTY EFFINGHAM	TOTAL SHEETS 1098	SHEET NO. 14	
#FILEL#	PLOT SCALE = 100,0000' / IN.	CHECKED - BRM	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 17 SHEETS	STA. 2121+44.00 TO STA. 2124+23.58		CONTRACT NO. 74299		
	PLOT DATE = 3/19/2011	DATE - 6-12-08	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						