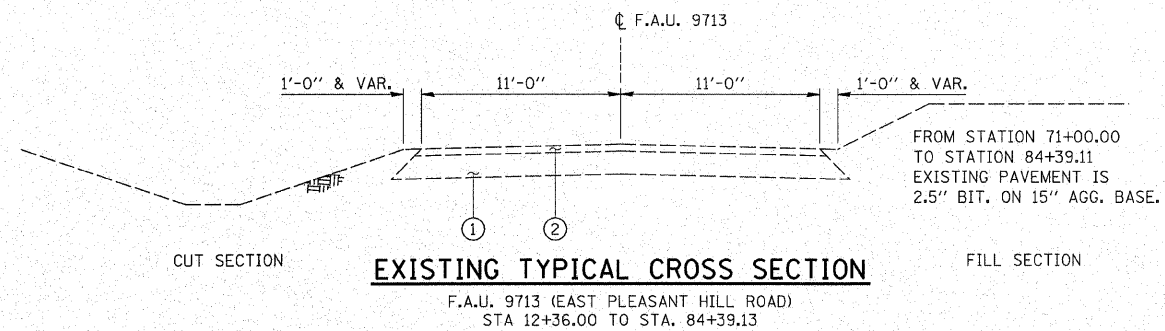
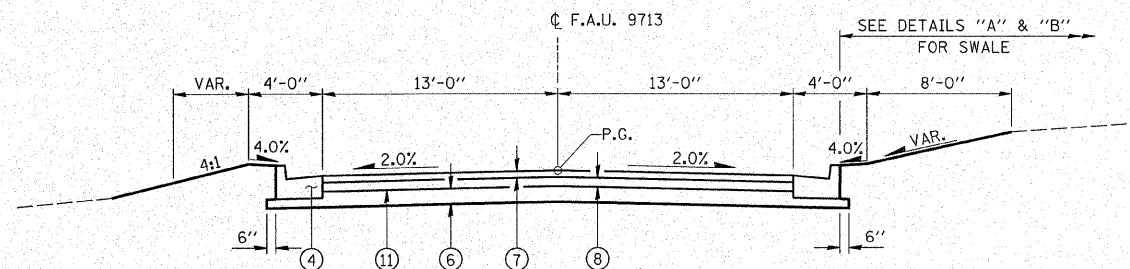


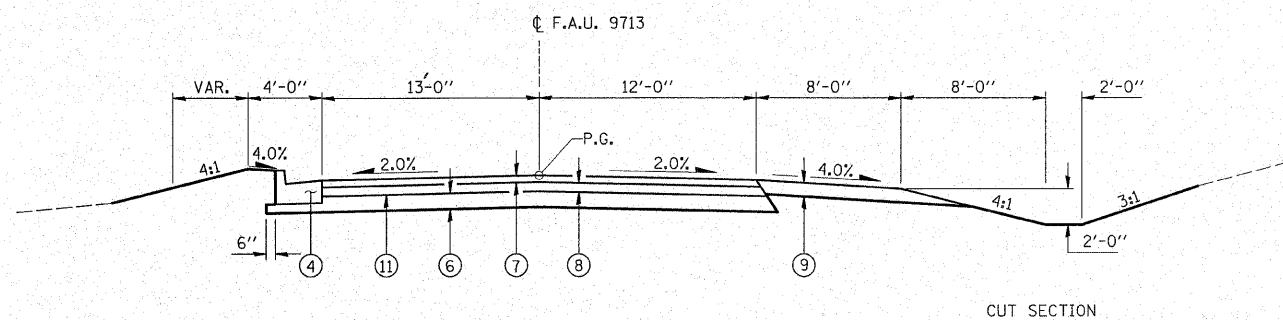
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9713	99-02118-00-FP	JACKSON	122	12
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT-		
CONTRACT NO. 99219				



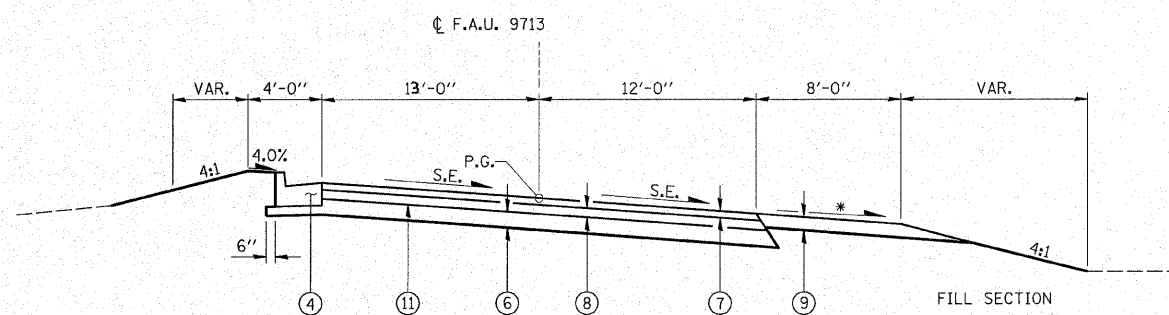
EXISTING TYPICAL CROSS SECTION
F.A.U. 9713 (EAST PLEASANT HILL ROAD)
STA 12+36.00 TO STA. 84+39.13



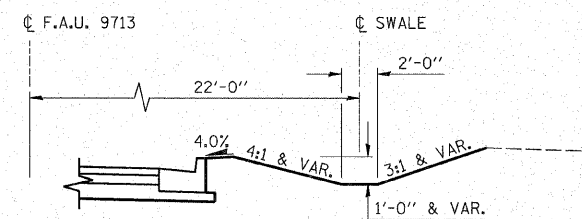
PROPOSED TYPICAL CROSS SECTION
STA. 12+36.00 TO STA. 55+50.00 (EAST PLEASANT HILL ROAD)



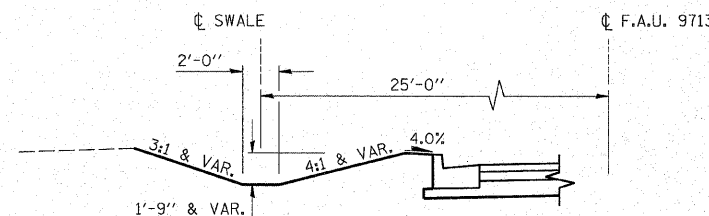
PROPOSED TYPICAL CROSS SECTION
STA. 55+50.00 TO STA. 70+91.49 (EAST PLEASANT HILL ROAD)
STA. 73+12.20 TO STA. 74+58.00 (EAST PLEASANT HILL ROAD)



PROPOSED TYPICAL CROSS SECTION (SUPERELEVATION)
STA. 70+91.49 TO STA. 73+12.20 (EAST PLEASANT HILL ROAD)



DETAIL "A"
RT. STA. 13+70 TO STA. 16+60
RT. STA. 24+80 TO STA. 25+40



DETAIL "B"
LT. STA. 17+30 TO STA. 17+80

PAVEMENT DESIGN	
EAST PLEASANT HILL ROAD	
DESIGN PERIOD: 20 YEARS	
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 5,420 YEAR 2015	
P.V. = 97.44% S.U. = 2.20% M.U. = 0.37%	
CLASS II ROAD	
PERCENT OF S.D.T. IN DESIGN LANE P = 50 S = 50 M = 50	
80,000 LB. LOAD LIMIT	
DESIGN PER BLR MANUAL 37-3	
MINIMUM SOIL SUPPORT: ERI = 2KSI	
TRAFFIC FACTOR = 0.22	

- LEGEND**
- ① EXISTING AGGREGATE BASE
 - ② EXISTING BITUMINOUS PAVEMENT
 - ③ EXISTING BITUMINOUS AGGREGATE MIXTURE SHOULDER
 - ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑤ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 3/4" THICKNESS)
 - ⑥ AGGREGATE BASE COURSE, TYPE A (8" THICKNESS)
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2" THICKNESS)
 - ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (3 3/4" THICKNESS)
 - ⑨ AGGREGATE SHOULDERS, TYPE A (6" THICKNESS)
 - ⑩ BITUMINOUS MATERIALS (PRIME COAT)
 - ⑬ AGGREGATE BASE COURSE, TYPE A (4" THICKNESS)
 - ⑭ AGGREGATE (PRIME COAT)
 - ⑮ HOT-MIX ASPHALT BASE COURSE, (8" THICKNESS)
 - ⑯ HOT-MIX ASPHALT SHOULDER 6"
 - ⑰ STRIP REFLECTIVE CRACK CONTROL
 - ⑱ LEVELING BINDER (MACHINE METHOD) N70 (VARIABLE DEPTH) (1 1/4" MIN)
 - ▨ BITUMINOUS CONCRETE SHOULDER REMOVAL (INCIDENTAL TO EARTH EXCAVATION)
- * S.E. SLOPE OR 4.0% WHICHEVER IS GREATER
- ** ALGEBRAIC DIFFERENCE BETWEEN SHOULDER SLOPE AND SUPERELEVATION RATE NOT TO EXCEED 8.0% WITH A MAXIMUM SLOPE OF 4.0%

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400

HLR

Account Number
03-47-0001-1
Date: 10-10-06
DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: W.J.S.

TYPICAL CROSS SECTIONS
SECTION 99-02118-00-FP
F.A.U. 9713 / EAST PLEASANT HILL ROAD
JACKSON COUNTY