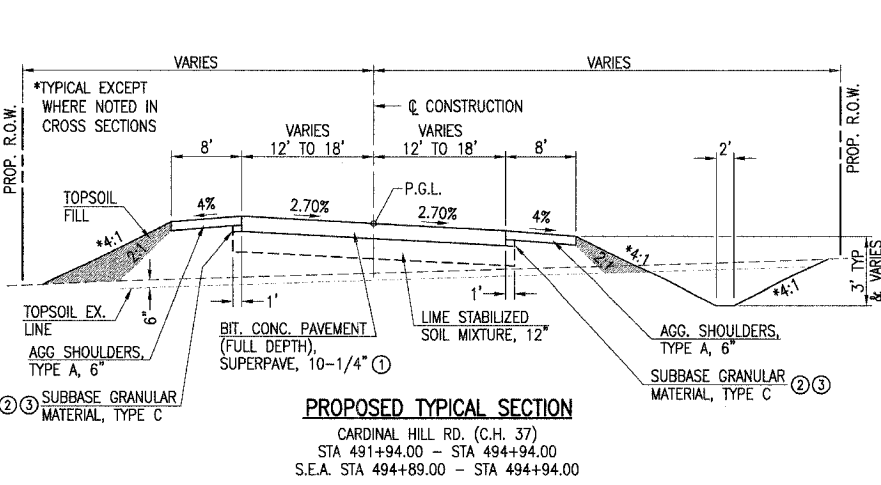
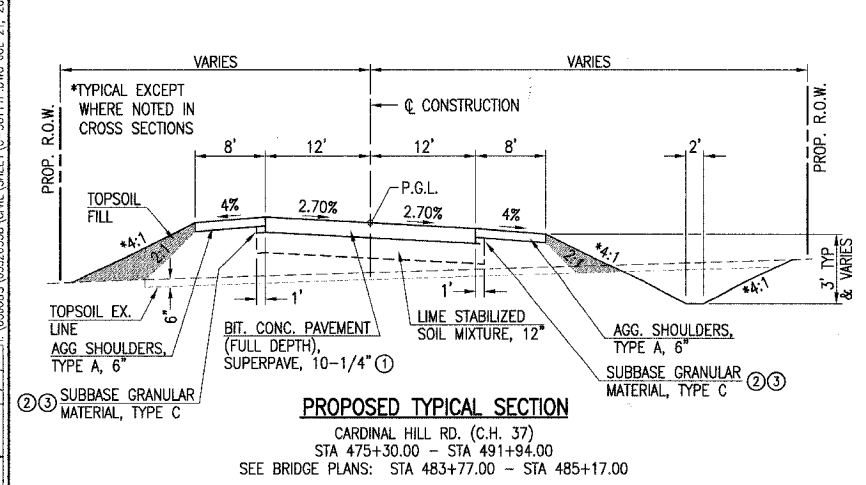
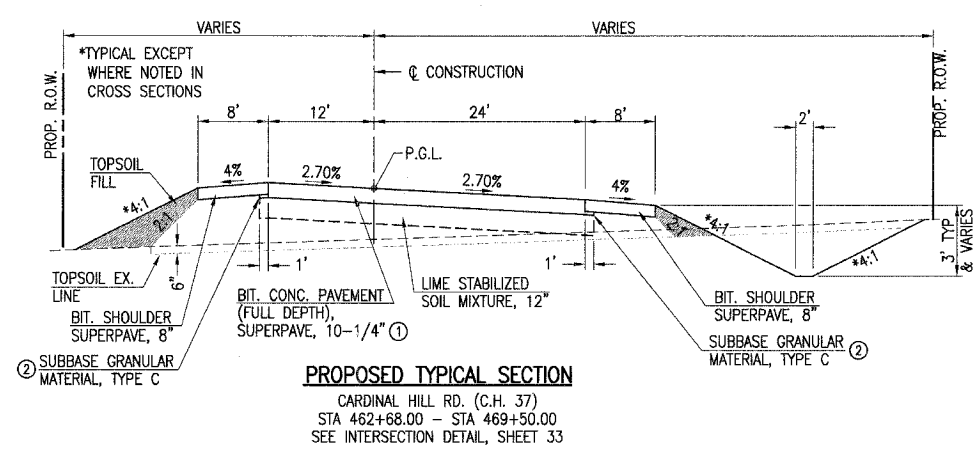
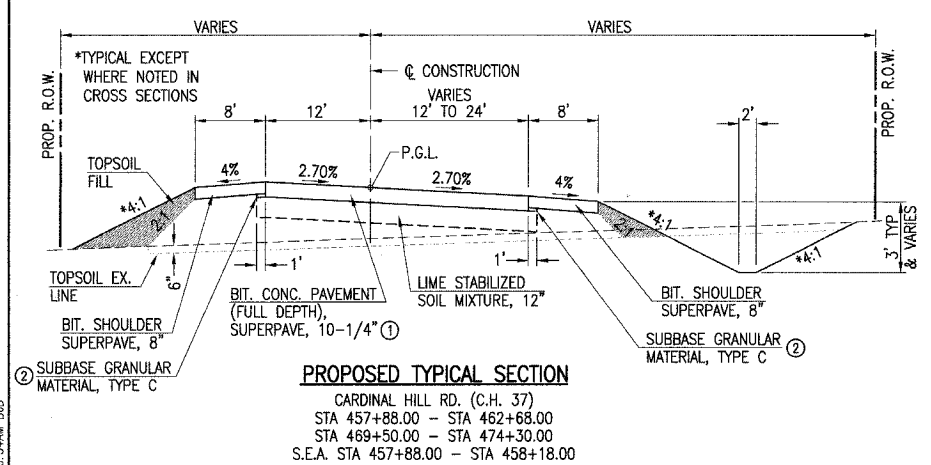
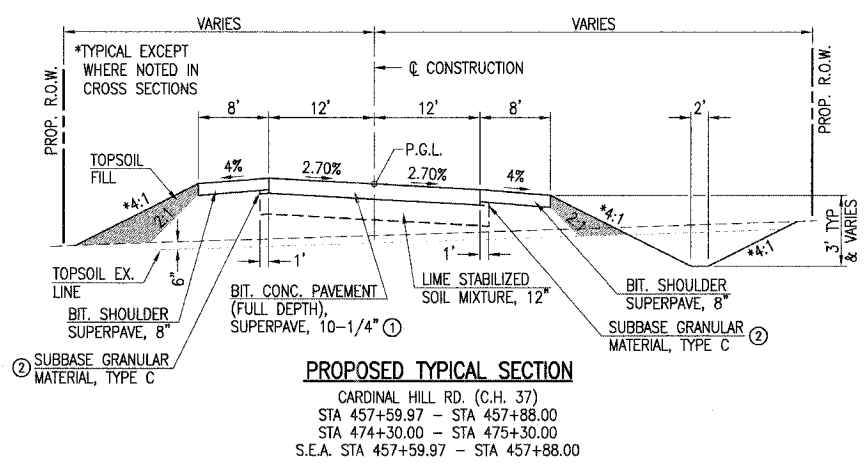
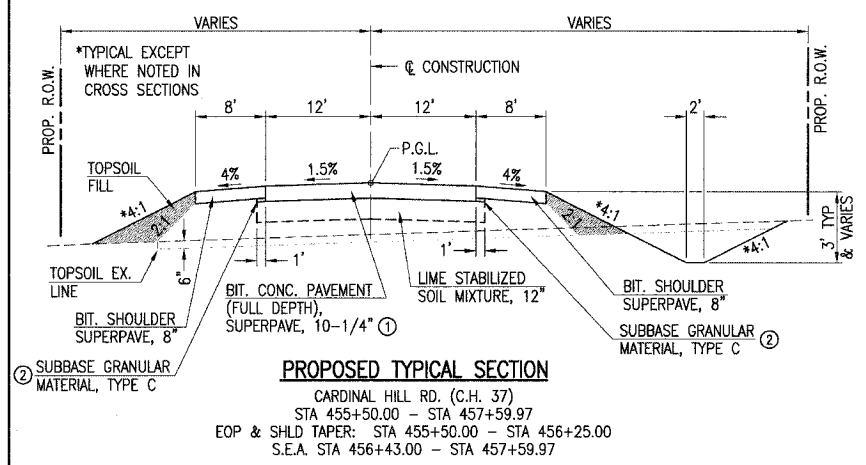
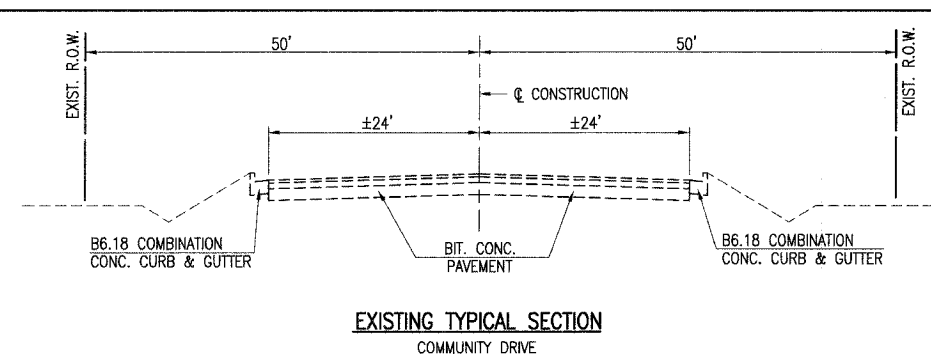
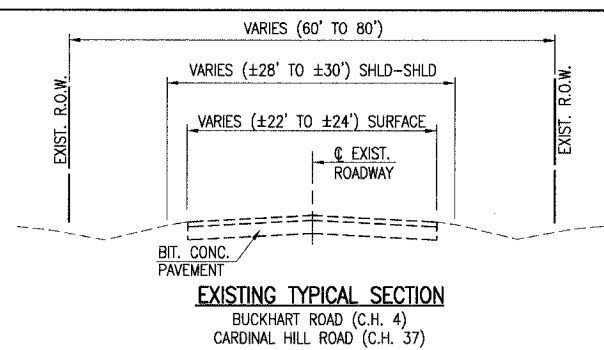
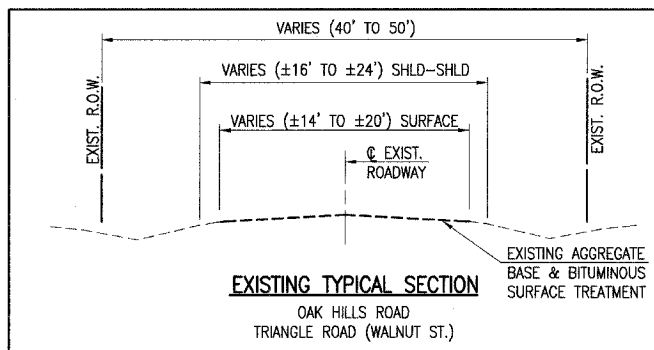


FAU. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B075	03-00167-04-FP	SANGAMON	109	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2016
 PV=2820 SU=150 MU=90
 ROAD/STREET CLASSIFICATION: CLASS II
 SUBGRADE SUPPORT RATING: SSR=FAIR
 PERCENT OF S.D.T. IN DESIGN LANE:
 P=92% S=5% M=3%
 TRAFFIC FACTOR: TF=0.519
 AC TYPE = AC-20

- ① 6-1/2" LOWER BINDER - 2 LIFTS
 2-1/4" TOP LIFT BINDER (POLYMERIZED)
 1-1/2" SURFACE LIFT (POLYMERIZED)
 [BITUMINOUS PRIME/RC 70 (FOG COAT)
 REQUIRED BETWEEN SUCCESSIVE LIFTS]
- ② COST INCLUDED WITH SOIL-LIME MIXTURE, 12"
- ③ MATERIAL USED FOR AGGREGATE SHOULDERS,
 TYPE A CAN BE USED IN THIS LOCATION

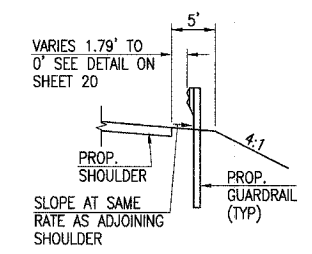
FULL DEPTH (SEC. 407) PAVEMENT CONSTRUCTION

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS				
ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	ALLOWABLE RAP	VOIDS
LOWER BINDER, SUPERPAVE	IL-19.0 OR 25.0	PG 64-22	20%	4.0% @ N50
POLYMERIZED BINDER, SUPERPAVE (TOP 2-1/4")	IL-19.0	SBS PG 64-28	NONE	4.0% @ N50
POLYMERIZED SURFACE, SUPERPAVE	IL-9.5 OR 12.5 MIX "C"	SBS PG 64-28	NONE	4.0% @ N50

ALL BITUMINOUS QUANTITIES COMPUTED AT 112#/square yard/inch

NOTES

- 1. THE NOMINAL COMPACTED THICKNESS OF BITUMINOUS CONCRETE PAVEMENT AND AGGREGATE SURFACE COURSE IS SHOWN IN THE TYPICAL SECTION. THE CONSTRUCTED THICKNESS SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- 2. THE PRIME COAT APPLICATION RATE SHALL BE A MINIMUM OF 0.10 GALLONS PER SQUARE YARD ON EXISTING PAVED SURFACES, 0.375 GALLONS PER SQUARE YARD ON AGGREGATE SURFACES AND 0.02 GALLONS PER SQUARE YARD (FOG/TACK COAT) ON EACH SUCCESSIVE LIFT FOR FULL DEPTH PAVEMENT. THE PRIME COAT SHALL BE PAID FOR AT THE UNIT PRICE BID FOR 'BITUMINOUS MATERIALS (PRIME COAT).'



PROPOSED TYPICAL SECTION

CARDINAL HILL ROAD (C.H. 37)
 SHOULDER WIDENING FOR GUARDRAIL
 STA 480+46.93 TO STA 484+07.00, RT
 STA 481+38.31 TO STA 484+07.00, LT
 STA 484+87.00 TO STA 487+59.24, RT
 STA 484+87.00 TO STA 488+44.34, LT

NOTE:
 THE LEADING AND TRAILING TAPERS FOR THE SHOULDER WIDENING SHALL OCCUR AT A POINT 10' BEYOND THE TYPE 1, SPECIAL TERMINAL AND AT A RATE OF 6:1

TYPICAL SECTIONS
 SEC. 03-00167-04-FP
 CARDINAL HILL ROAD (C.H. 37)
 SANGAMON COUNTY



SHEET 1 OF 5
 JOB NO. 03S2035B
 DATE 6/21/06

LAYOUT: 3/15/04
 DRAWN: 7/22/04
 REVIEWED: 7/27/04
 03S2035B (03S2035B) CIVIL SHEET (C-50) TYP. DWG. JUL. 21, 2006 9:34AM BJB