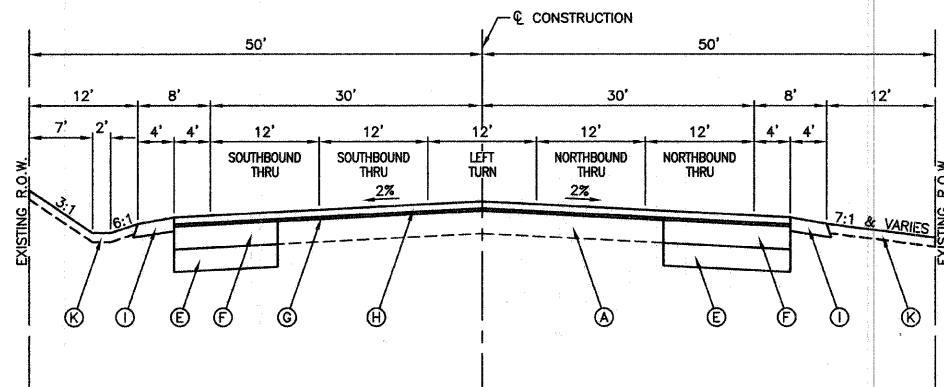
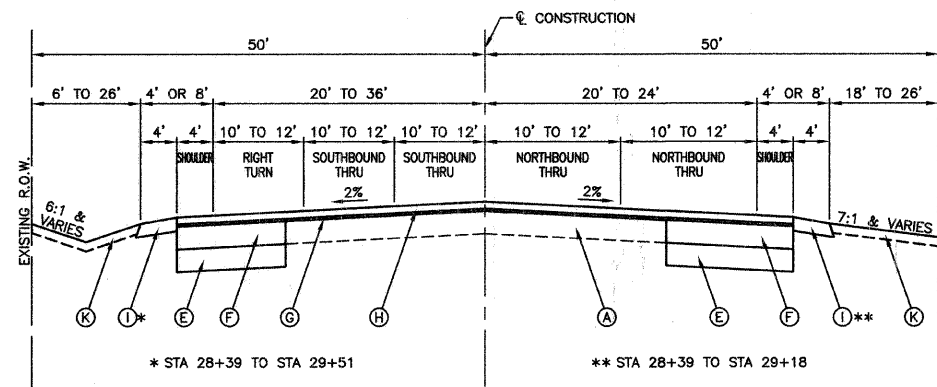


F. A. P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	05-00047-00-CH	WILL	036	008
STA.		TO STA.		
FED. ROAD DIST. NO. 1		LINKS	FED. AID PROJECT	

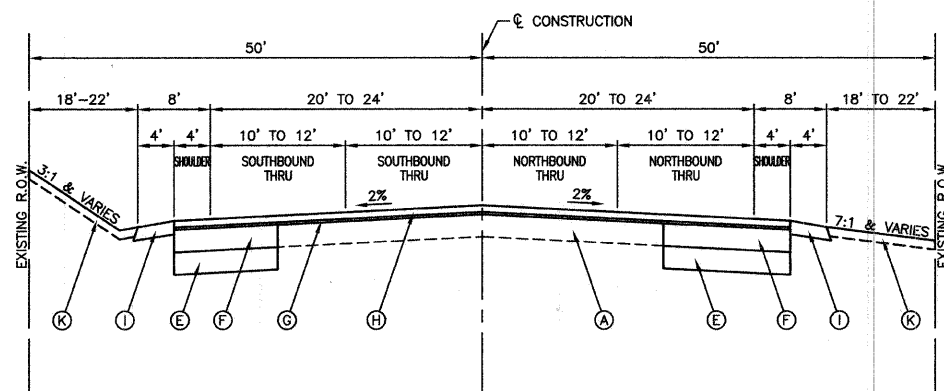
CONTRACT #63033



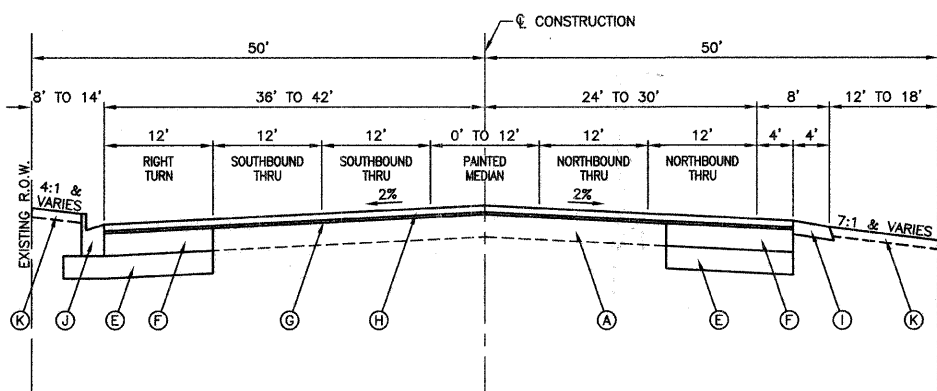
PROPOSED TYPICAL CROSS SECTION
IL ROUTE 53
STA 20+15 TO STA 25+00



PROPOSED TYPICAL CROSS SECTION
IL ROUTE 53
STA 28+39 TO STA 30+81.49



PROPOSED TYPICAL CROSS SECTION
IL ROUTE 53
STA 15+15 TO STA 20+15



PROPOSED TYPICAL CROSS SECTION
IL ROUTE 53
STA 25+00 TO STA 28+39

LEGEND

- (A) EXISTING PAVEMENT
- (B) EXISTING AGGREGATE SHOULDER
- (C) EXISTING TYPE B-6.12 CURB AND GUTTER
- (D) HOT-MIX ASPHALT SURFACE REMOVAL - 2 3/4"
- (E) AGGREGATE SUBGRADE - 12"
- (F) HOT-MIX ASPHALT BASE COURSE, 10 3/4"
- (G) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50-3/4"
- (H) POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90-2"
- (I) AGGREGATE SHOULDER, TYPE B-6"
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (K) TOPSOIL FURNISH AND PLACE - 4"

EARTHWORK QUANTITIES

TOTAL CUT	=	3420 CY
TOTAL TOPSOIL (ESTIMATED)	=	960 CY
TOTAL AVAILABLE CUT TO FILL	=	2460 CY
TOTAL FILL	=	27 CY
CUT TO FILL (15% SHRINKAGE)	=	31 CY

ANTICIPATED UNDERCUT AREAS

LOCATION	RECOMMENDATION*	OFFSET	REASON
18+50 TO 24+00	REMOVE 12-INCHES	RT	HIGH MOISTURE

*REPLACE WITH PGES (POROUS GRANULAR EMBANKMENT, SUBGRADE), AREAS AND DEPTHS TO BE VERIFIED

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIX TYPE	AC TYPE	AIR VOIDS
POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90(L-9.5mm), 2"	SBS/SBR PG 70-22	4% AT 90 GYRATIONS
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/22	4% AT 50 GYRATIONS
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 10 3/4" (IN 3" LIFTS)	PG 64-22*	4% AT 90 GYRATIONS
CLASS D PATCHES (HMA BINDER IL-19mm), 12" (IN 4" LIFTS)	PG 64-22*	4% AT 70 GYRATIONS

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
* WHEN RIPRAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT UNIVERSITY PARKWAY
INTERSECTION IMPROVEMENT
PROPOSED TYPICAL CROSS SECTIONS

SCALE: VERT. NA
HORIZ. NA
DATE: 8-29-08
DRAWN BY: RG
CHECKED BY: WD