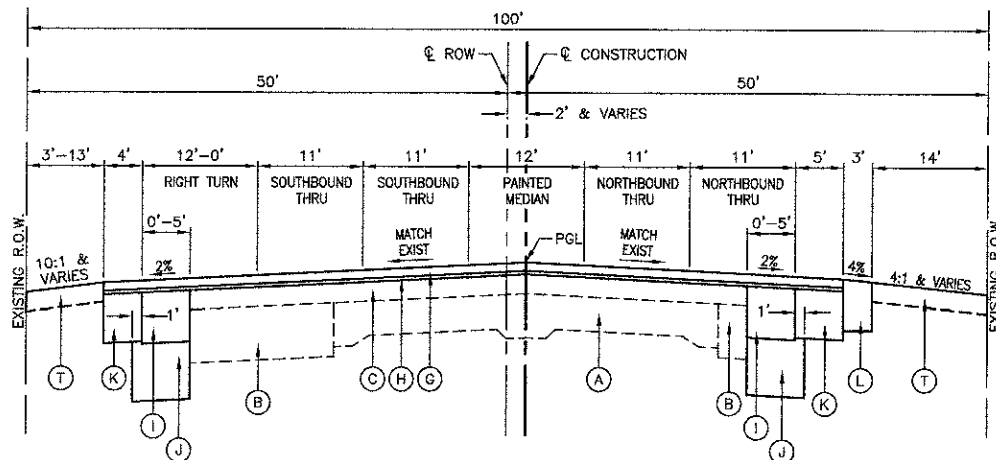
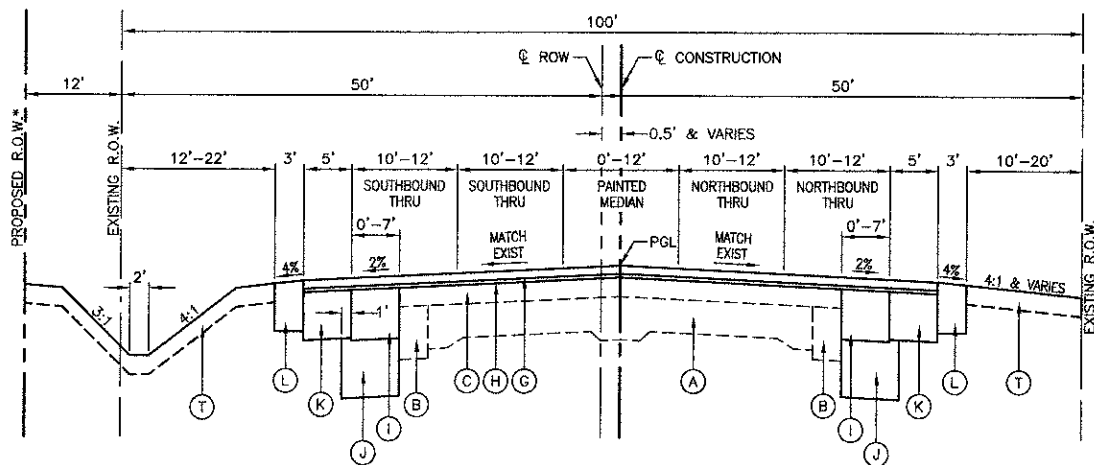


EXISTING TYPICAL SECTION  
STA 14+45.81 TO STA 35+20.11, IL RTE 53



PROPOSED TYPICAL SECTION  
STA 14+45.01 TO STA 18+00, IL RTE 53



PROPOSED TYPICAL SECTION  
STA 18+00 TO STA 21+35, IL RTE 53  
STA 31+20 TO STA 35+20.11, IL RTE 53

NOTE: THE CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ N <sub>dgs</sub>
<b>PAVEMENT AND PAVEMENT WIDENING - IL RTE 53</b>	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1-3/4"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	4% @ 90 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm); 10-1/2" (3 Lifts) min	4% @ 90 Gyr.
<b>PAVEMENT RESURFACING - IL RTE 53</b>	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1-3/4"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	4% @ 90 Gyr.
<b>SHOULDER - IL RTE 53</b>	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1-3/4"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	4% @ 90 Gyr.
HMA SHOULDER (HMA BINDER IL-19 mm); 10" (3 Lifts) min	4% @ 50 Gyr.
<b>PATCHING - IL RTE 53</b>	
CLASS D PATCHES (HMA BINDER IL-19.0 mm); 13"	4% @ 70 Gyr.
<b>FULL DEPTH PAVEMENT - MATERIAL ROAD (WEST LEG)</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7" (2 Lifts) min	4% @ 50 Gyr.
<b>FULL DEPTH PAVEMENT - MATERIAL ROAD (EAST LEG)</b>	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 2"	4% @ 90 Gyr.
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; TOP 2-1/4"	4% @ 90 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 7-3/4" (2 Lifts) min	4% @ 90 Gyr.
<b>TEMPORARY PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 10" (3 Lifts) min	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

**LEGEND**

- (A) EXISTING P.C.C. PAVEMENT - 9"-7"-9"
- (B) EXISTING HMA BASE COURSE - ±11"
- (C) EXISTING HMA RESURFACING - ±6.5"
- (D) EXISTING AGGREGATE SHOULDER - ±8"
- (E) EXISTING HMA SHOULDER - 8"
- (F) PROPOSED HMA SURFACE REMOVAL - 2 1/2"
- (G) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (H) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 - 3/4"
- (I) PROPOSED HMA BASE COURSE (HMA BINDER IL-19mm), N90 - 10 1/2"
- (J) PROPOSED AGGREGATE SUBGRADE - 12"
- (K) PROPOSED HMA SHOULDER (HMA BINDER IL-19mm), N50 - 10"
- (L) PROPOSED AGGREGATE SHOULDER, TYPE B - 8"
- (M) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.24
- (N) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.18
- (O) PROPOSED HMA SURFACE COURSE, MIX "D", N50 - 2"
- (P) PROPOSED HMA BINDER COURSE, IL-19.0, N50 - 7"
- (Q) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 2"
- (R) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2 1/4"
- (S) PROPOSED HMA BINDER COURSE, IL-19.0, N90 - 7 3/4"
- (T) TOPSOIL - 4", SEEDING, CLASS 2A
- [Hatched Box] ITEM TO BE REMOVED

**EARTHWORK QUANTITIES**

TOTAL CUT	=	7329 CY
TOTAL TOPSOIL (ESTIMATED)	=	1520 CY
TOTAL AVAILABLE CUT TO FILL	=	5809 CY
TOTAL FILL	=	718 CY
CUT TO FILL (15% SHRINKAGE)	=	826 CY

FILE NAME = 09081\_02-TYPX01 - P01

USER NAME =	DESIGNED = WPD	REVISED =
PLOT SCALE =	CHECKED = PB	REVISED =
PLOT DATE = 02-28-13	DRAWN = AG	REVISED =
	CHECKED = PS	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT  
IL RTE 53 AT MATERIAL ROAD  
TYPICAL SECTIONS

SCALE: SHEET NO. 7 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-0055-00-CH	WILL	54	7
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(829)				