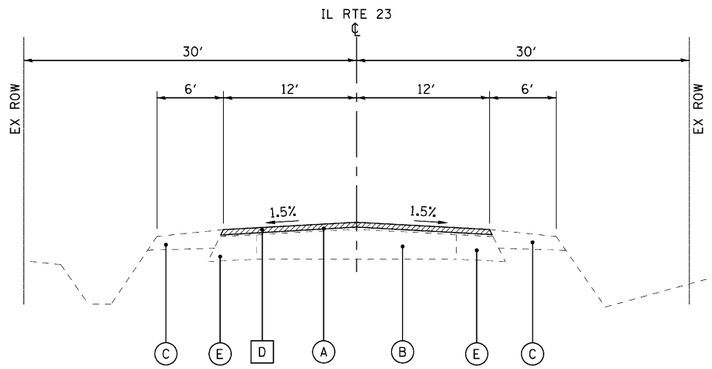
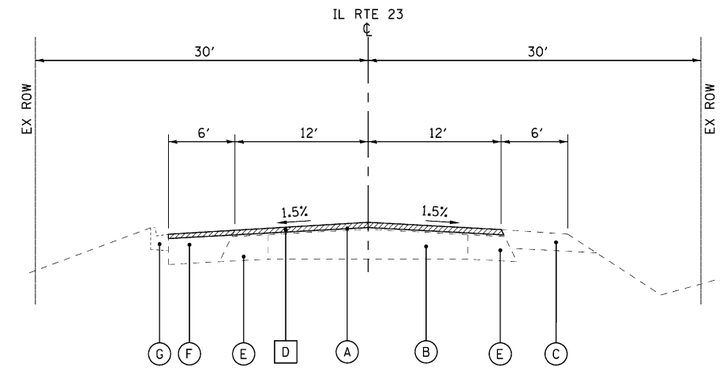
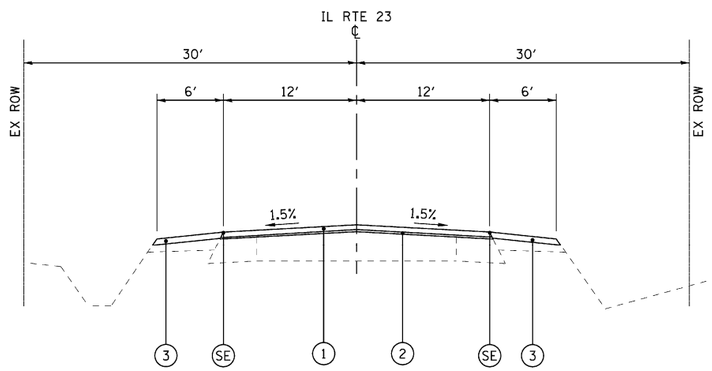


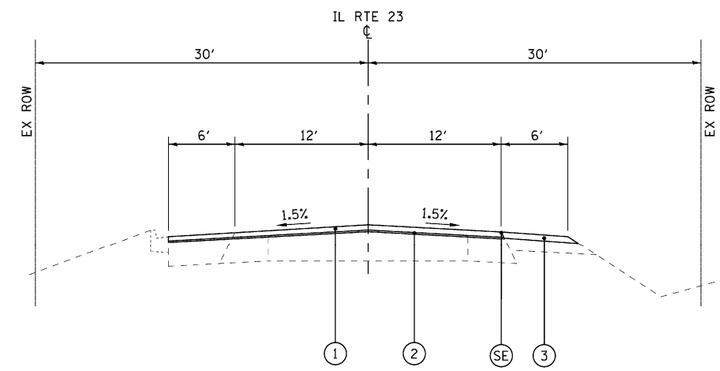
EXISTING TYPICAL SECTION
IL ROUTE 23
STA 106+80 TO STA 179+44
STA 183+54 TO STA 188+00



EXISTING TYPICAL SECTION
IL ROUTE 23
STA 179+44 TO STA 183+54



PROPOSED TYPICAL SECTION
IL ROUTE 23
STA 106+80 TO STA 179+44
STA 183+54 TO STA 188+00



PROPOSED TYPICAL SECTION
IL ROUTE 23
STA 179+44 TO STA 183+54

NOTE:
THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

LEGEND

- (A) EXISTING HMA SURFACE, 3″±
- (B) EXISTING PCC BASE, 10″±
- (C) EXISTING AGGREGATE SHOULDER, 6″±
- [D] HOT-MIX ASPHALT SURFACE REMOVAL, 3″
- (E) EXISTING HOT-MIX ASPHALT BASE COURSE, 10″ ±
- (F) EXISTING PAVED SHOULDERS
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 2″
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1″
- (3) GRADING AND SHAPING SHOULDERS AND AGGREGATE WEDGE SHOULDER, TYPE B
- (SE) SAFETY EDGE (SEE DETAIL) - REQUIRED ON ALL LOCATIONS WITH LESS THAN 3′ OF PAVED SHOULDER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm)	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50	3.5% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.

MIXTURE NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ. YD./IN.
2. 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 "PERCENT RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

COPYRIGHT © 2010 BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001213 - EXPIRES 4/30/2011
SEAL
07/27/2012
...\plotter\pdf-BW.Default.pltcfg
...\PLOT\00153-W005_PEN.tbl
U:\projects\ICS\100153\00153-X40-Design\W015 I.R.T. 23\CADD-SURVEY\DRAWINGS\3DGS\00153-w015-TypSec.sht

BAXTER & WOODMAN Consulting Engineers

DESIGNED - TMS	REVISED -		
DRAWN - BCD	REVISED -		
CHECKED - RWL	REVISED -		
DATE - 12-12-10	FILE - 100153-w015-TypSec.sht		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 23
POPLAR ROAD TO INTERSTATE 90
TYPICAL SECTIONS

SCALE: NONE | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	24-RS-4	McHENRY	16	4
		CONTRACT NO. 60N34		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT