

EXISTING LEGEND

- (A) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (B) EXISTING AGGREGATE BASE
- (C) EXISTING CONCRETE PAVEMENT
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT
- (E) EXISTING COMBINATION CONCRETE CURB & GUTTER, VARIOUS TYPES
- (F) EXISTING COMBINATION CONCRETE CURB & GUTTER, (TO BE REMOVED)
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- (I) EARTH EXCAVATION

PROPOSED LEGEND

- (1) AGGREGATE SUBGRADE, 12"
- (2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (4) HOT-MIX ASPHALT BASE COURSE, 8 1/2"
- (5) HOT-MIX ASPHALT BASE COURSE, 5 1/4"
- (6) LEVELING BINDER
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (9) BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
- (10) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (7" AT DRIVEWAYS)
- (11) AGGREGATE BASE COURSE, TYPE B, 4"
- (12) TOPSOIL, 4"; SODDING; FERTILIZER
- (13) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (15) HOT-MIX ASPHALT BASE COURSE, 5 3/4"

PAVEMENT DESIGN INFORMATION

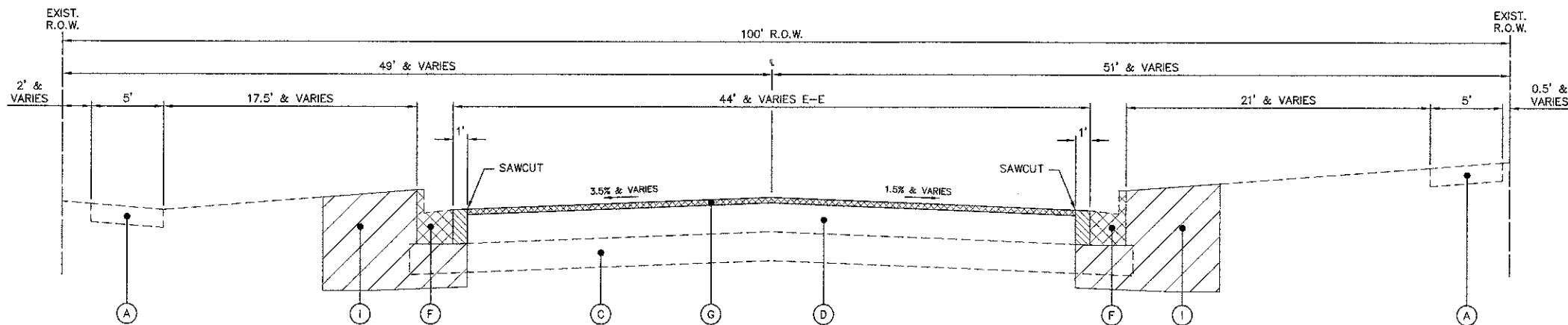
IL. ROUTE 171
 HOT-MIX ASPHALT PAVEMENT
 CLASS 1
 80,000 LB
 FOUR LANE URBAN
 2022 ADT 15,134
 PV 14,937 (98.7%)
 SU 91 (0.6%)
 MU 106 (0.7%)
 TF = 0.58 (ACTUAL)
 TF = 3.56 (USED)
 SSR POOR
 AC MIX TEMP 75°
 PG 64-22
 MODULUS 690 KSI
 MICROSTRAIN 64
 THICKNESS REQUIRED = 10 1/2"
 THICKNESS PROVIDED = 10 1/2"

PATCHING SHALL BE PERFORMED BEFORE MILLING

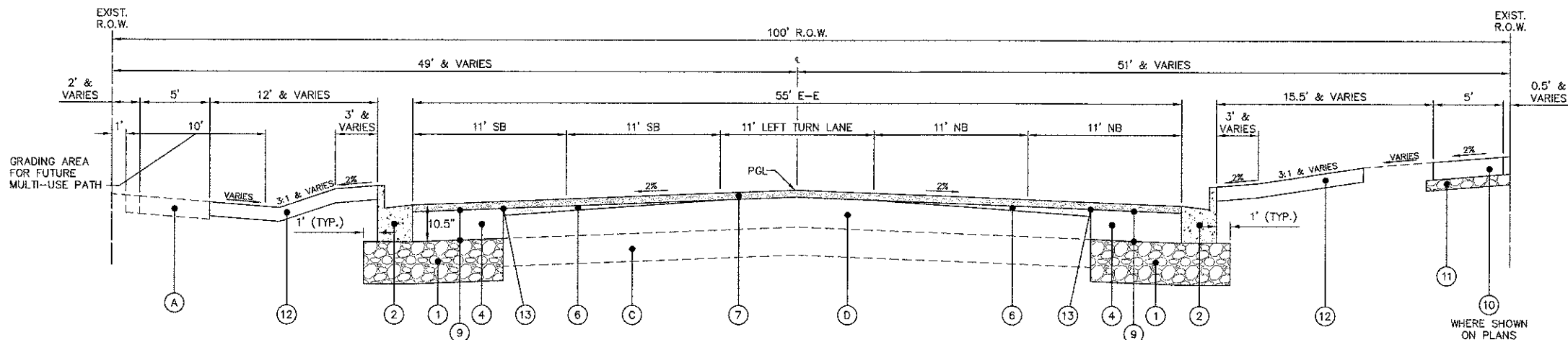
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ N ₉₅
IL 171 WIDENING (STA 134+82 TO STA 145+00)	HOT-MIX ASPHALT BASE COURSE, 8 1/2" HMA BINDER COURSE, IL-19.0 mm, 8 1/2" (IN 3 LIFTS)	4% @ 70 Gyr.
IL 171 RESURFACING (STA 134+77 TO STA 145+05)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL 9.5 mm) LEVELING BINDER (MACHINE METHOD), N70, VARIES (IL 9.5 mm)	4% @ 70 Gyr.
13TH STREET WIDENING (STA 11+41 TO STA 13+22.5)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2" (IL 9.5 mm) LEVELING BINDER (MACHINE METHOD), N70, VARIES (IL 9.5 mm)	4% @ 70 Gyr.
13TH STREET RECONSTRUCTION (STA 13+77.5 TO STA 14+50)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL 9.5 mm) HMA BINDER COURSE, IL-19.0 mm, 5 1/4" (IN 2 LIFTS)	4% @ 70 Gyr.
DRIVEWAY RECONSTRUCTION	STABILIZED DRIVEWAY HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 3"	4% @ 60 Gyr.
PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 mm), 10.5" (IN 3 LIFTS) CLASS D PATCHES (HMA BINDER IL-19.0 mm), 5" (IN 2 LIFTS)	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/INCH.
 THE "AC TYPE" FOR HMA MIXES SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS



EXISTING SECTION
 IL ROUTE 171 STA 134+82 TO STA 145+00
 (N.T.S.)



PROPOSED SECTION NO. 1
 IL ROUTE 171 STA 134+82 TO STA 145+00
 (N.T.S.)

Plotted: February 7, 2013 @ 2:48 PM By: Larry Nolan - Tab: 06 Typ: Section 22x34
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Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Winder Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = Larry Nolan	DESIGNED - JRL & SWM	REVISED - JPS 02/08/13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 TYPICAL SECTIONS	F.A.P. RTE. 577	SECTION 10-00068-00-TL	COUNTY WILL	TOTAL SHEETS 65	SHEET NO. 6
	PLOT SCALE =	CHECKED - JL	REVISIED -			SCALE: N.T.S.	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 63788	
	PLOT DATE = February 7, 2013	DATE = 11/13/12	REVISIED -			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-90036191				