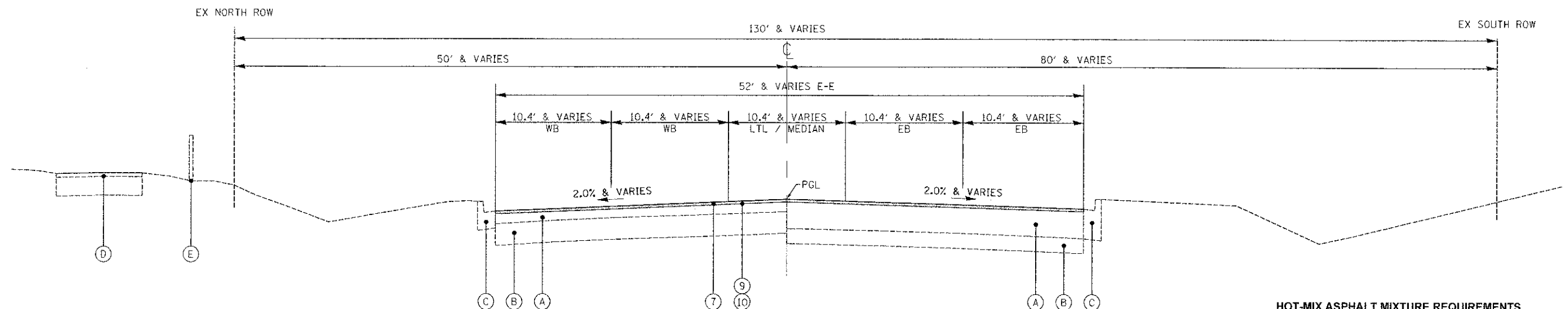


EXISTING TYPICAL SECTION  
FABYAN PARKWAY  
STATION 102+46 TO 104+14



PROPOSED TYPICAL SECTION  
FABYAN PARKWAY  
STATION 102+46 TO 104+14

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ N <sub>100</sub>
WIDENING AND RESURFACING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1.75"	4% @ 90 Gyr.
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"	4% @ 90 Gyr.
	HOT-MIX ASPHALT BASE COURSE, 7 3/4"	4% @ 90 Gyr.
RESURFACING OVER EXISTING PAVEMENT	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, TOP 2.25"	4% @ 90 Gyr.
	HMA BINDER COURSE, IL-19.0, N90, BOTTOM 5.5" (IN 2 LIFTS)	4% @ 90 Gyr.
LEVELING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1.75"	4% @ 90 Gyr.
DRIVEWAY RECONSTRUCTION (PE)	LEVELING BINDER (MACHINE METHOD), N70, VARIES	4% @ 70 Gyr.
DRIVEWAY RECONSTRUCTION (CE)	STABILIZED DRIVEWAYS, 10"	4% @ 50 Gyr.
PATCHING	HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 3"	4% @ 50 Gyr.
	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	4% @ 50 Gyr.
INCIDENTAL HMA	HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 2"	4% @ 50 Gyr.
	HMA BINDER COURSE, IL-19.0, N90, 8" (IN 2 LIFTS)	4% @ 50 Gyr.
INCIDENTAL HMA	CLASS D PATCHES, 16 INCH	4% @ 70 Gyr.
	HMA BINDER, IL-19.0, N70, 16" (IN 4 LIFTS)	4% @ 70 Gyr.
INCIDENTAL HMA	INCIDENTAL HOT-MIX ASPHALT SURFACING	4% @ 50 Gyr.
	HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 1.75" & VARIES	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/INCH.

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 OF RAP" SEE SPECIAL PROVISIONS.

PATCHING SHALL BE PERFORMED BEFORE MILLING

PAVEMENT DESIGN INFORMATION

FABYAN PARKWAY  
HOT-MIX ASPHALT PAVEMENT  
CLASS 1  
80,000 LB  
FOUR LANE URBAN  
2023 ADT 30,369  
PV 29,063 (95.7%)  
SU 881 (2.9%)  
MU 425 (1.4%)  
TF = 2.92  
SSR POOR  
AC MIX TEMP 77.0°  
PG 64-22  
MODULUS 620 KSI  
THICKNESS REQUIRED = 11.75"  
THICKNESS PROVIDED = 11.75"

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING POZZOLANIC BASE
- (C) EXISTING CONCRETE CURB AND GUTTER
- (D) EXISTING MULTI-USE PATH
- (E) EXISTING FENCE
- (F) HOT-MIX ASPHALT SURFACE REMOVAL
- (G) EARTH EXCAVATION
- (H) CURB REMOVAL
- (I) EXISTING CONCRETE PAVEMENT

PROPOSED LEGEND

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (TO BE PLACED WITHIN FOUR (4) DAYS OF EXCAVATION)
- (3) HOT-MIX ASPHALT BASE COURSE, 7.75"
- (4) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"
- (5) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) W/ NO. 6 TIE BARS AT 24" CENTERS
- (6) LEVELING BINDER, (MACHINE METHOD), N70, VARIES
- (7) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1.75"
- (8) AGGREGATE SUBGRADE IMPROVEMENT W/GEO TECHNICAL FABRIC FOR GROUND STABILIZATION
- (9) BITUMINOUS MATERIALS (PRIME COAT)
- (10) AGGREGATE (PRIME COAT)
- (11) TOPSOIL 4", SEEDING CLASS 2A, FERTILIZER AND EROSION CONTROL BLANKET
- (12) TOPSOIL 4", SODDING AND FERTILIZER

Plot: 2012-07-17/2013 05:14:45 PM Dyr: J.Schmidt

	<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eetweb.com	<b>KANE COUNTY DIVISION OF TRANSPORTATION</b> 41W011 BURLINGTON ROAD ST. CHARLES, IL 60175	DESIGNED T.V.W. SWM DRAWN J.P.S. CHECKED J.R.L. DATE 12/7/12	REVISED J.P.S. 02/04/13 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FABYAN PARKWAY</b> <b>TYPICAL SECTIONS</b>	F.A.P. RTE. 363 SECTION 10-00404-00-CH COUNTY KANE TOTAL SHEETS 59 SHEET NO. 6	CONTRACT NO. 63818 ILLINOIS FED. AID PROJECT CMM-9003627
	SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.						Patching shall be performed before milling	