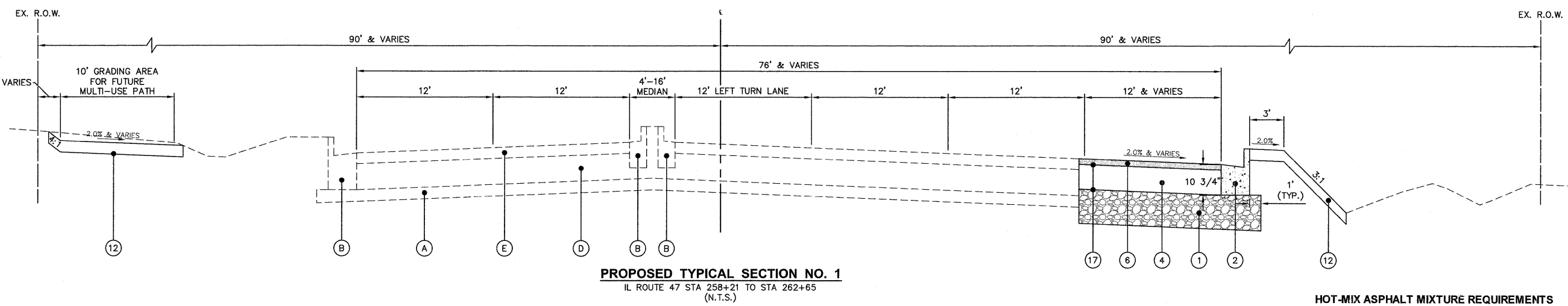


**EXISTING TYPICAL SECTION**  
IL ROUTE 47 STA 258+21 TO STA 262+65  
(N.T.S.)



**PROPOSED TYPICAL SECTION NO. 1**  
IL ROUTE 47 STA 258+21 TO STA 262+65  
(N.T.S.)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

THE CONTRACTOR SHALL MILL BEFORE PATCHING (EXCEPT CLASS D PATCHES, 11 INCH, WHICH ARE LOCATED OUTSIDE OF MILLING/PAVING LIMITS OF IL 47)

OPERATION	MIXTURE TYPE	AIR VOIDS @ N <sub>100</sub>
IL 47 RIGHT TURN LANE CONSTRUCTION	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 2" HOT-MIX ASPHALT BASE COURSE, 8 3/4"	4% @ 90 Gyr. 4% @ 90 Gyr.
CROSS STREET RIGHT TURN LANE CONSTRUCTION (STA 102+62 TO STA 104+68 AND STA 105+33 TO STA 106+99)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 2" HOT-MIX ASPHALT BASE COURSE, 5 1/4"	4% @ 90 Gyr. 4% @ 90 Gyr.
CROSS STREET RIGHT TURN LANE CONSTRUCTION (STA 106+99 TO STA 111+25) AND FRONTAGE ROAD RECONSTRUCTION (STA 400+31 TO STA 400+91)	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; TOP 2 1/4" HMA BINDER COURSE, IL-19.0, N90; BOTTOM 3"	4% @ 90 Gyr. 4% @ 90 Gyr.
CROSS STREET RESURFACING (STA 102+62 TO STA 104+68 AND STA 105+33 TO STA 106+99)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 2"	4% @ 90 Gyr.
CROSS STREET RESURFACING (STA 101+16 TO STA 102+62 AND STA 106+99 TO STA 111+25)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 2"	4% @ 50 Gyr.
SUGAR LANE & FRONTAGE ROAD RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 1.5"	4% @ 50 Gyr.
DRIVEWAY RECONSTRUCTION	HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 3"	4% @ 50 Gyr.
PATCHING (IL 47 ONLY)	CLASS D PATCHES, 11" POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 2" HMA BINDER COURSE, IL-19.0, N70; BOTTOM 9" (IN 3 LIFTS)	4% @ 90 Gyr. 4% @ 70 Gyr.
PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 mm), 5" (IN 2 LIFTS) OR 7" (IN 3 LIFTS)	4% @ 70 Gyr.
HMA SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 6" HMA BINDER, IL-19.0, 6" (IN 2 LIFTS)	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 78-22" 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

EXISTING LEGEND	PROPOSED LEGEND
(A) EXISTING AGGREGATE BASE	(1) AGGREGATE SUBGRADE, 12"
(B) EXISTING COMBINATION CONCRETE CURB AND GUTTER, VARIOUS TYPES	(2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(C) EXISTING COMBINATION CONCRETE CURB AND GUTTER (TO BE REMOVED)	(3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(D) EXISTING CONCRETE PAVEMENT	(4) HOT-MIX ASPHALT BASE COURSE, 8 3/4"
(E) EXISTING HOT-MIX ASPHALT PAVEMENT	(5) HOT-MIX ASPHALT BASE COURSE, 5 1/4"
(F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK	(6) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
(G) EARTH EXCAVATION	(7) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
(H) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	(8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"
(I) HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	(9) LEVELING BINDER (MACHINE METHOD), N50
(J) HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	(10) AGGREGATE BASE COURSE, TYPE B, 4"
	(11) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	(12) TOPSOIL, 4", SEEDING, FERTILIZER AND MULCH/EROSION CONTROL BLANKET
	(13) TOPSOIL, 4", SODDING, FERTILIZER AND MULCH/EROSION CONTROL BLANKET
	(14) CONCRETE GLARE SCREEN
	(15) CONCRETE CURB AND GUTTER (FLAG ONLY)
	(16) CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT
	(17) BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
	(18) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
	(19) STRIP REFLECTIVE CRACK CONTROL TREATMENT

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<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = _____ PLOT SCALE = _____ PLOT DATE = _____	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL. ROUTE 47 - TYPICAL SECTION</b>	F.A.P. RTE. = 326 SECTION = 10-0023-00-ES COUNTY = KANE TOTAL SHEETS = 70 SHEET NO. = 6	CONTRACT NO. 63700 FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT NO. M-9003(717)
	SCALE: 1"=5'    SHEET NO. 1 OF 6 SHEETS    STA. N/A TO STA. N/A						

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