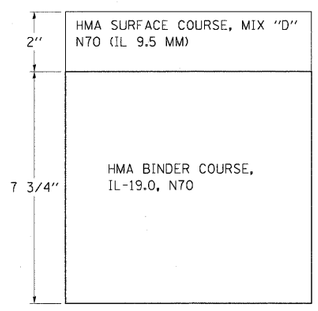
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

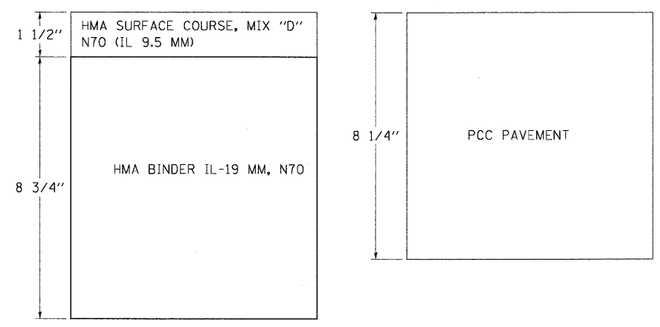
MIXTURE TYPE	AIR VOIDS @ NDES
PAVEMENT/ SHOULDER RESURFACING (US 20)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2"/ 3")	4% @ 70 GYR.
FULL DEPTH PAVEMENT (FLEETWOOD DR, WELD RD, SHEPARD DR)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7 3/4")	4% @ 70 GYR.
TEMPORARY PAVEMENT (US 20)	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")	4% @ 70 GYR.
TEMP PVMT (EXPRESSWAY) (HMA BINDER IL-19mm) (8 3/4")	4% @ 70 GYR.
TEMPORARY PAVEMENT (MCLEAN BLVD, FLEETWOOD DR, SHEPARD DR)	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (1 1/2")	4% @ 50 GYR.
TEMP PAVEMENT (HMA BINDER IL-19mm) (6 1/2")	4% @ 50 GYR.
PAVEMENT RESURFACING (SHEPARD DR, WELD RD)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")	4% @ 70 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm) PE-6", CE-8"	4% @ 50 Gyr.
PATCHING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")	4% @ 70 Gyr.
CLASS D PATCHES (HMA BINDER IL-19MM)	4% @ 70 Gyr.
STABILIZED SUBBASE (FLEETWOOD DR.)	
STABILIZED SUBBASE-HOT MIX ASPHALT (4 1/2")	2% @ 30 Gyr

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.

2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70 -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.



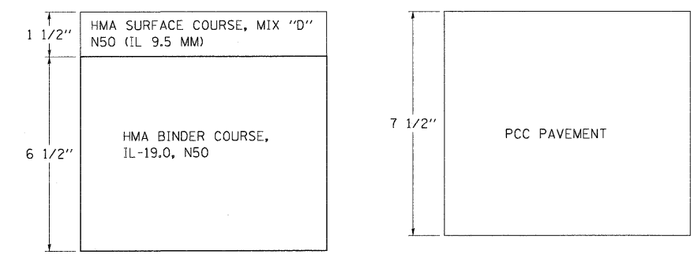
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"



FLEXIBLE DESIGN RIGID DESIGN

TEMPORARY PAVEMENT (INTERSTATE)

US ROUTE 20



FLEXIBLE DESIGN RIGID DESIGN

TEMPORARY PAVEMENT

MCLEAN BLVD / FLEETWOOD DR

PAVEMENT STRUCTURE DETAILS

..\D160K90.XSCTI.DGN, ..\D160K90.BORDER01.DGN
5:12:2011, 16:03:14 HAYWARMZ \\FS-0044\VAM\VAULT\D-TRANS_07\2202\21379-001\CIVIL\CAD\60K90\SHEET\D160K90-SHT-TYPICAL01.DGN

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - BRH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION FAP ROUTE 345 / US ROUTE 20	MIX DESIGN REQUIREMENTS AND MISCELLANEOUS DETAILS
		DRAWN - BRH	REVISED -		
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - DDH	REVISED -		
	PLOT DATE = $DATE$	DATE - 05/18/11	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-HB-2-BY-1	KANE	434	24
		CONTRACT NO. 60K90		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		