

HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
	MIXTURE TYPE	THICKNESS	AC TYPE	AIR VOIDS
FULL DEPTH PAVEMENT				
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)	2"	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	7"	PG 64-22*	4% @ 50 GYR.
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 15 3/4"				
	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	2"	SBS/SBR PG 70-22	4% @ 90 GYR.
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	13 3/4"	SBS/SBR PG 70-22	4% @ 90 GYR.
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 17"				
	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	2"	SBS/SBR PG 70-22	4% @ 90 GYR.
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	15"	SBS/SBR PG 70-22	4% @ 90 GYR.
SHOULDER RECONSTRUCTION				
	HOT-MIX ASPHALT SHOULDERS, 8" (INCLUDING GUARDRAIL STABILIZ.)	8"	PG 64-22*	2% @ 30 GYR.
	HOT-MIX ASPHALT SHOULDERS, 13" (HMA BINDER IL-19 mm)	13"	PG 64-22*	4% @ 70 GYR.
TEMPORARY PAVEMENT 10"				
	TEMP PAVEMENT (HMA BINDER IL-19 mm)	8 1/2"	PG 64-22*	4% @ 50 GYR.
	HMA SURFACE COURSE, MIX "D" N50 (IL 9.5 mm)	1 1/2"	PG 64-22	4% @ 50 GYR.
PAVEMENT RESURFACING (IL59 SIDE STREETS)				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	1 1/4"	PG 64-22	4% @ 50 GYR.
	LEVELING BINDER (MACHINE METHOD), N50 (IL-9.5) **	3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
DRIVEWAYS				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	2"	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm)	PE - 6", CE - 8"	PG 64-22 *	4% @ 50 GYR.
PATCHING				
	CLASS D PATCHES (HMA BINDER IL-19 mm)	VARIES	PG 64-22*	4% @ 70 GYR.
STABILIZED SUBBASE				
	STABILIZED SUB-BASE-HOT-MIX ASPHALT	4"	PG 64-22	2% @ 30 GYR.
PAVEMENT WIDENING (IL59 SIDE STREETS)				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	1 1/2"	PG 64-22	
	LEVELING BINDER (MACHINE METHOD), N50 (IL-9.5) **	3/4"	SBS/SBR PG 76-28/-22	
	HMA BASE COURSE (HMA BINDER IL-19 mm); 7 1/4"	7"	PG 64-22*	
PAVEMENT RESURFACING (NORTH OF DUPAGE RIVER)				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	2"	PG 64-22	4% @ 50 GYR.

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

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

** THIS LEVELING BINDER SHALL SUPERSEDE THE LEVELING BINDER CALLED OUT IN THE PLANS WHICH REFERENCE AN "FG" BINDER.

REVISIONS	
NAME	DATE
JB	07/11/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

SCALE: DATE: 03/14/08 DRAWN BY: JB CHECKED BY: ACL

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