

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	25
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

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.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	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), IL-9.5FG, N50	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.

REVISIONS	
NAME	DATE

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

TENG
TENG & ASSOCIATES, INC.
 ENGINEERS, ARCHITECTS, PLANNERS
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..ATTBORAKKADGN...TSCORREL.DGN
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