


MODEL: Default  
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
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
<b>PAVEMENT WIDENING - RANDALL ROAD</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @ 90 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (FOR WIDENING WIDTH <= 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT BASE COURSE, 6 3/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
<b>PAVEMENT RESURFACING - RANDALL ROAD</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
<b>HOT-MIX ASPHALT SHOULDERS, 11" - RANDALL ROAD RECONSTRUCTION</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9"	4% @ 70 GYR.
<b>HOT-MIX ASPHALT SHOULDER RESURFACING - RANDALL ROAD</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" & VARIES	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
<b>PAVEMENT WIDENING - US-20 MAINLINE</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (FOR WIDENING WIDTH <= 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT BASE COURSE, 9 3/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
<b>PAVEMENT WIDENING - US-20 RAMPS C &amp; D</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (FOR WIDENING WIDTH <= 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT BASE COURSE, 8 1/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
<b>PAVEMENT RESURFACING - US-20 RAMPS C &amp; D</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
<b>PAVEMENT NEW CONSTRUCTION - US-20 RAMP E</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE, 8 1/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
<b>HOT-MIX ASPHALT SHOULDERS, 11 3/4" - US-20 MAINLINE RECONSTRUCTION</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 9 3/4"	4% @ 90 GYR.
<b>HOT-MIX ASPHALT SHOULDERS, 10 1/4" - US-20 RAMPS C, D &amp; E RECONSTRUCTION</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 8 1/4" 	4% @ 90 GYR.
<b>HOT-MIX ASPHALT SHOULDER RESURFACING - US-20 RAMPS C &amp; D</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
<b>HOT-MIX ASPHALT SHOULDER RUMBLE STRIP REMOVAL</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
<b>PAVEMENT WIDENING / RECONSTRUCTION - WELD ROAD</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE, 9"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N70	
<b>PAVEMENT PATCHING</b>	
CLASS D PATCHES	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12"	4% @ 70 GYR.

**NOTES FOR HMA MIXTURE REQUIREMENTS:**

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
- 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 USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- LONGITUDINAL JOINT SEALANT SHALL BE USED BETWEEN LANE-TO-LANE JOINTS OF FULL-DEPTH HMA PAVEMENTS AND HMA OVERLAYS.
  - FULL-DEPTH HMA PAVEMENTS: UNDER THE SURFACE LIFT AND UNDER THE TOP BINDER LIFT
  - NON-INTERSTATE HMA OVERLAYS >= 2.25 INCHES: UNDER THE SURFACE LIFT
  - ALL SINGLE LIFT HMA OVERLAYS : UNDER THE SURFACE LIFT



HDR  
 8550 W. BRYN MAWR AVE.  
 CHICAGO, IL 60631

USER NAME = RR0GERS	DESIGNED - AKS	REVISED -  REV. 02-22-19
PLOT SCALE = 20.0000 ' / in.	DRAWN - AKS	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b> <b>HMA MIXTURE REQUIREMENTS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		336/345	14-00446-00-CH	KANE	354	22
SCALE: NTS		SHEET 7 OF 7 SHEETS		STA. N/A TO STA. N/A		CONTRACT NO. 61F57

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
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