



HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"	
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; 8"	4% @ 70 Gyr.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm); 2"	4% @ 70 Gyr.
PAVEMENT NEW/RECONSTRUCTION	
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; 2 1/4"	4% @ 70 Gyr.
HOT-MIX ASPHALT SHOULDERS, 8" OR HOT-MIX ASPHALT SHOULDERS, 10"	
HMA SHOULDER (HMA BINDER IL-19 mm)	4% @ 70 Gyr.
TEMPORARY PAVEMENT (12")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1 1/2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 10 1/2" (IN 4 LIFTS)	4% @ 50 Gyr.
STABILIZED SUB-BASE HOT-MIX ASPHALT, 4 1/2"	
STABILIZED SUBBASE (HMA BINDER IL-19 mm)	2% @ 30 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 8"	4% @ 50 Gyr.

EXISTING LEGEND

- | | |
|--------------------------------------------------------------|------------------------------------------------------|
| (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10" & VARIES | (I) EXISTING BITUMINOUS CONCRETE OVERLAY, 3" AND 10" |
| (B) EXISTING HMA SUB-BASE, 4" & VARIES | (J) EXISTING HMA OVERLAY, 4"± |
| (C) EXISTING AGGREGATE SUBGRADE, 12" & VARIES | (K) EXISTING HMA PAVEMENT, 10" & VARIES |
| (D) EXISTING CONCRETE SHOULDER, 10" & VARIES | (L) EXISTING HMA SHOULDER, 10" & VARIES |
| (E) EXISTING CURB & GUTTER | (M) EXISTING BITUMINOUS CONCRETE SHOULDER, VARIES |
| (F) EXISTING PIPE UNDERDRAIN | (N) EXISTING GROUND OR BASE COURSE, VARIES |
| (G) EXISTING SUB-BASE GRANULAR MATERIAL | (O) EXISTING TEMPORARY BARRIER WALL |
| (H) EXISTING AGGREGATE SHOULDER, VARIES | |

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 NOTE 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 OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
 NOTE 3: THE CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING 10" P.C.C. PAVEMENT OR 12" HOT-MIX ASPHALT PAVEMENT AS TEMPORARY PAVEMENT.

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME = D160F12-SHT-TYPICAL01.dgn	USER NAME = TKLuegel	DESIGNED - MJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.I. RTE. 55	SECTION 99-2HB-2B-1	COUNTY WILL	TOTAL SHEETS 756	SHEET NO. 16		
PLOT SCALE = 1/4"=1'	CHECKED - DLT	DATE - 2/4/11	REVISED -			SCALE:	SHEET NO. 1 OF 10 SHEETS	STA. TO STA.	CONTRACT NO. 60F12			
PLOT DATE = 2/3/2011	DATE - 2/4/11	REVISED -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						