

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4" (IN 2 LIFTS)	4% @ 50 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) N50; PE - 4", CE - 6" (IN 2 LIFTS)	4% @ 50 GYR.
SHOULDER RECONSTRUCTION	
HOT-MIX ASPHALT SHOULDER, 6" (IN 2 LIFTS)	2% @ 30 GYR.
BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4" (IN 2 LIFTS)	4% @ 50 GYR.

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

2. THE "AC TYPE" FOR POLYMERIZED HOT-MIX ASPHALT MIXES SHALL BE "SBS/SBR PG 70-22 AND FOR NON-POLYMERIZED HOT-MIX ASPHALT THE "AC TYPE" SHALL BE "PG 64-28" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS." FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC			STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU	MU									
GRAF ROAD	285	30	10	IV	0.08	POOR	76.1° F	330	PG 64-28	650	6.0 IN	2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 12" AGGREGATE SUBGRADE

DRAWN BY: BAXTER & WOODMAN, INC. STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00021 - EXPIRES 4/30/2011
 DESIGNED BY: CAC REVISED - 12/31/10 PER MCDOT
 DRAWN BY: BCD REVISED - 02/01/11 PER MCDOT
 CHECKED BY: MDW REVISED - 02/01/11 PER IDOT
 DATE: 10/08/10 FILE:



DESIGNED - CAC	REVISED - 12/31/10 PER MCDOT
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DATE - 10/08/10	FILE -

**MCHENRY COUNTY DIVISION OF TRANSPORTATION
GRAF ROAD BRIDGE OVER
LAWRENCE CREEK**

PROPOSED TYPICAL SECTION NOTES

SCALE: NONE

STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-00-BR	MCHENRY	54	8
C-91-358-06		CONTRACT NO. 63569		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BROS-00016831				