

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
HOT MIX ASPHALT (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 TWO LIFTS)	4% @ 50 GYR.
SHOULDER RECONSTRUCTION	
HOT-MIX ASPHALT SHOULDER, 6" (IN 2 LIFTS) (HMA BINDER IL-19.0)	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 TWO 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 HMA MIXES SHALL BE "SBS/SBR PG 70-22 AND FOR NON-POLYMERIZED HMA 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

COPYRIGHT © 2011 BY BAXTER & WOODMAN, INC.
 ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.
 LICENSE NO. 184-00217 EXPIRES 4/30/2013
 483c1c 8/1/2011 5:56:03 PM
 \\crystal1.lake.mccom\07224- Graf Road bridges\CADD-SURVEY\DRAWINGS\DNS\PHASE 1\NG-CF West\07224-Graf West-TYPEC.dwg



DESIGNED - CAC	REVISED - 12/30/10 PER MCDOT
DRAWN - BCD	REVISED -
CHECKED - MDW	REVISED -
DATE - 10/08/10	FILE -

MCHENRY COUNTY DIVISION OF TRANSPORTATION
GRAF ROAD BRIDGE OVER
WEST BRANCH PISCASAW CREEK

PROPOSED TYPICAL SECTION NOTES

SCALE: NONE STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-01-BR	MCHENRY	52	8
C-91-258-11			CONTRACT NO. 63580	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BROS-01110640				