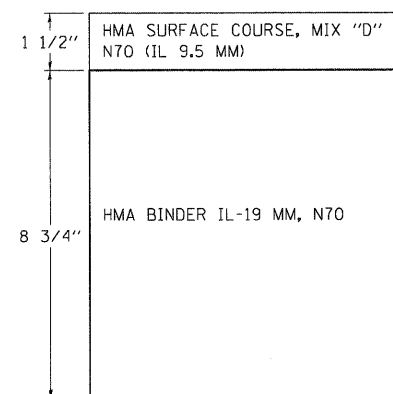


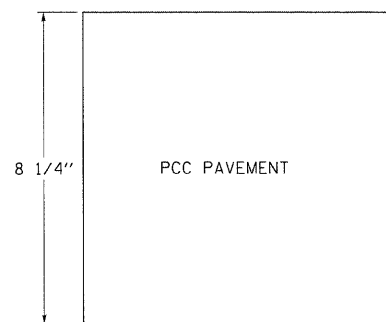
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS@NDES
PAVEMENT RESURFACING (US 20)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) (1 3/4")	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4")	3.5% @ 50 GYR.
SHOULDER RESURFACING (US 20)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 3/4")	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4")	3.5% @ 50 GYR.
HMA SHOULDER CONSTRUCTION (US 20)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) (1 3/4")	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4")	3.5% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm) (8")	4% @ 70 GYR.
PAVEMENT RESURFACING (MCLEAN BLVD)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) (2")	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4")	3.5% @ 50 GYR.
PAVEMENT WIDENING (MCLEAN BLVD)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) (2")	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4")	3.5% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm) (7")	4% @ 90 GYR.
PAVEMENT RESURFACING (LILLIAN ST AND EAST LEG OF FLEETWOOD DR @ MCLEAN BLVD)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm) (2")	4% @ 70 GYR.
TEMPORARY PAVEMENT (US 20) (SEE NOTE 3)	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")	4% @ 70 GYR.
TEMP PAVEMENT (HMA BINDER, N70 IL-19mm) (8 3/4")	4% @ 70 GYR.
TEMPORARY PAVEMENT (MCLEAN BLVD & LILLIAN ST) (SEE NOTE 3)	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (1 1/2")	4% @ 50 GYR.
TEMP PAVEMENT (HMA BINDER, N50 IL-19mm) (6 1/2")	4% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER, N50 IL-19 mm) PE-6", CE-8"	4% @ 50 Gyr.
STABILIZED SUBBASE (US 20)	
STABILIZED SUBBASE-HOT MIX ASPHALT (IL-19mm) (4 1/2")	3% @ 50 Gyr
STABILIZED SUBBASE (MCLEAN BLVD, FLEETWOOD DR & LILLIAN ST)	
STABILIZED SUBBASE-HOT MIX ASPHALT (IL-19mm) (4 1/2")	2% @ 30 Gyr
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19MM) (10")	4% @ 70 Gyr.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19MM) (3")	4% @ 70 Gyr.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
2. 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 PERCENT RAP SEE DISTRICT ONE SPECIAL PROVISIONS.
3. PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS.

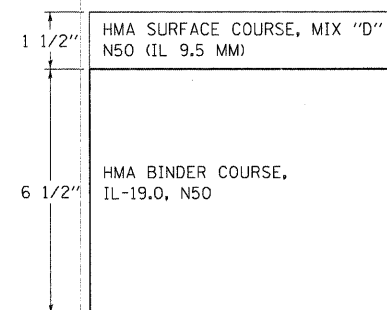


FLEXIBLE DESIGN

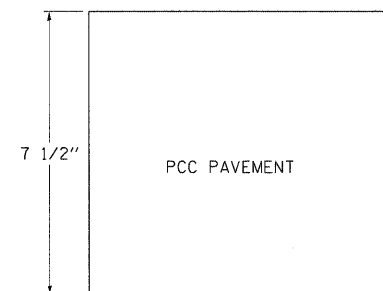


RIGID DESIGN

TEMPORARY PAVEMENT
US ROUTE 20 AND RAMPS



FLEXIBLE DESIGN



RIGID DESIGN

TEMPORARY PAVEMENT
MCLEAN BLVD & LILLIAN ST

TEMPORARY PAVEMENT STRUCTURE DETAILS

STRUCTURAL DESIGN TRAFFIC:		YEAR <u>2012</u>
PV = <u>49,168</u>	SU = <u>0</u>	MU = <u>5,463</u>
ROAD/STREET CLASSIFICATION:		CLASS <u>1</u>
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = <u>32%</u>	S = <u>45%</u>	M = <u>45%</u>
TRAFFIC FACTOR	ACTUAL TF = <u>34.29</u>	
	MINIMUM TF = <u>10.05</u>	
PG GRADE:	BINDER = <u>NA</u>	SURFACE = <u>NA</u>
SUBGRADE SUPPORT RATING:		
SSR = <u>POOR</u> (STA 70+60 TO 140+24) US-20		
SSR = <u>POOR</u> (STA 59+72 TO 89+00) MCLEAN		

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FILE NAME =	USER NAME = #USER#	DESIGNED - BRH	REVISED -
#FILEL#		DRAWN - BRH	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - DDH	REVISED -
	PLOT DATE = #DATE#	DATE - 12/16/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 345 / US ROUTE 20

TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MIX DESIGN REQUIREMENTS AND MISCELLANEOUS DETAILS		345	8R-R	KANE	794	38
SCALE: 1"=5'	SHEET NO.	OF	STA.	TO STA.	CONTRACT NO. 60H45	

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