

MIXTURE REQUIREMENTS

ROUTE	FAU 9128 (COLLINSVILLE ROAD)
SECTION	28-R-1
COUNTY	MADISON
CONTRACT	76F11

DESCRIPTION:	WIDENING COLLINSVILLE ROAD FROM FOUR LANES TO FIVE LANES FROM 0.15 MILES EAST OF I-255 TO 0.15 MILES WEST OF IL 157
--------------	---

ADT (Construction Yr):	15400
MU%:	1.8
SU%:	1.9
20 YR. ESAL'S:	2.11

MIXTURE USE	POLY SURFACE	BINDER	INCIDENTAL		
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22		
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.		
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90		
MIX COMPOSITION					
(GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0 FG	IL 9.5		
FRICITION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "D"		

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"			
AC/PG	SBS PG64-22	SBS PG64-22			
RAP % (MAX)	SEE CONTRACT RAP SPECIAL PROVISION	SEE CONTRACT RAP SPECIAL PROVISION			
DESIGN AIR VOIDS					
MIX COMPOSITION	**2.0% @ Ndes=30	**2.0% @ Ndes=30			
(GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"			
FRICITION AGG					

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids 1.5%

Plan quantities for HMA items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

FILE NAME :	USER NAME = *USER*	DESIGNED - GEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MIXTURE REQUIREMENTS CHART			F.A.U. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE#	PLOT SCALE = *SCALE*	DRAWN - LAC	REVISED -					9128	28-R-1	MADISON	64	3
	PLOT DATE = *DATE*	CHECKED - MDP	REVISED -					CONTRACT NO. 76F11				
		DATE - 3/20/2012	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				