

BITUMINOUS MIXTURE REQUIREMENTS

2/9/2010

Contract 68978

Description IL 78 from Locust St. to SCL of Canton

The following mixture requirements are applicable for this project:

Mixture Use(s):	Polymer Surface Course	Incidental Surface Course	CI D Patches				
AC/PG:	SBS or SBR 70-22	PG 64-22	PG 64-22				
RAP% (Max): **	10%	15%	25%				
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50				
Mixture Composition:	IL 9.5 or IL12.5	IL 9.5 or IL12.5	IL 19.0				
Friction Aggregate:	Mixture E	Mixture C	N.A.				

Note: Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size.

Designer JJ Appenzeller
esals xxx

Designer Notes Polymer N50 E used due to urban environment in Canton

POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) RATES

Surface Type	Estimated Truck Application Rate	Residual Rate
Milled (HMA or PCC)	0.08 gal/sy (0.00034 ton/sy)	0.04 gal/sy
Existing Pavement	0.05 gal/sy (0.00022 ton/sy)	0.025 gal/sy
Fog Coat (between lifts)	0.05 gal/sy (0.00022 ton/sy)	0.025 gal/sy

Note: Estimated truck application rate is used for estimating quantities.

USER NAME = appenzellerjj	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, GENERAL NOTES, JOB SPECIFIC NOTES	F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1/8" = 1'	DRAWN - _____	REVISED - _____			22	135(I2RS-2, I2RS-1)	FULTON	33	7	
PLOT DATE = 12/20/2011	CHECKED - _____	REVISED - _____			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 68978			
	DATE - _____	REVISED - _____			ILLINOIS FED. AID PROJECT					