

SUPERPAVE HOT MIX ASPHALT CONCRETE TEST REPORT



Contract Number: PW-06-243
Project Name: Red Hill Valley Project
Mix Type: SMA

Contractor: Dufferin
Mix Supplier: Dufferin
Golder Project No. 06-1181-230
Date Received: 16-Jul-07
Tonnage: N/A

Sample No: Trial batch
Golder Sample No: H-07-313-2
Sampled By: Plant Sample
Location: Plant

Report No: H-07-313-2
Date Reported: 18-Jul-07
Date Paved: N/A
Lift: N/A

Volumetric Properties	Test	JMF	Specification Variance from JMF	Acceptable	Borderline	Rejectable
Bulk Specific Gravity @ Ndes (Gmb) Mg/m ³	2.262	2.223				
Maximum Specific Gravity (Gmm) Mg/m ³	2.356	2.317				
Air Voids @ Ndesign %	4.0	4.0	4.0	*		
Asphalt Cement Content %	5.88	6.00	0.12	*		

	Sieve Size	Test	JMF	Variance from JMF	Acceptable	Borderline	Rejectable
		% Passing	% Passing				
Gradation Results	25.0 mm	100.0	100.0				
	19.0 mm	100.0	100.0				
	12.5 mm	88.7	91.4	2.7	*		
	9.5 mm	58.9	66.2				
	4.75 mm	29.5	27.9	-1.6	*		
	2.36 mm	21.1	19.9				
	1.18 mm	16.6	16.0				
	0.600 mm	14.7	14.1	-0.6	*		
	0.300 mm	13.4	12.8				
	0.150 mm	12.1	12.0				
0.075 mm	9.8	10.6	0.8	*			

Testing Information: Recompaction Temperature: 160 °C
 Compaction by SGC to Ndesign of 100 gyrations Asphalt Cement by: Rotarex Extractor with fines correction