

# 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:** 25-Jul-07  
**Tonnage:** 80 tons

**Sample No:** 1  
**Golder Sample No:** H-07-379  
**Sampled By:** Plant Sample  
**Location:** Ramp

**Report No:** H-07-379  
**Date Reported:** 27-Jul-07  
**Date Paved:** 25-Jul-07  
**Lift:** SMA

Volumetric Properties	Test	JMF	Specification Variance from JMF	Acceptable	Borderline	Rejectable
Bulk Specific Gravity @ Ndes (Gmb) Mg/m <sup>3</sup>	<b>2.302</b>	2.223				
Maximum Specific Gravity (Gmm) Mg/m <sup>3</sup>	<b>2.342</b>	2.317				
Air Voids @ Ndesign %	<b>1.7</b>	4.0	4.0			*
Asphalt Cement Content %	<b>6.09</b>	6.00	-0.09	*		

	Sieve Size	Test	JMF	Variance from JMF	Acceptable	Borderline	Rejectable
		% Passing	% Passing				
<b>Gradation Results</b>	<b>25.0</b> mm	<b>100.0</b>	100.0				
	<b>19.0</b> mm	<b>100.0</b>	100.0				
	<b>12.5</b> mm	<b>92.6</b>	91.4	-1.2	*		
	<b>9.5</b> mm	<b>70.2</b>	66.2				
	<b>4.75</b> mm	<b>36.3</b>	27.9	-8.4			*
	<b>2.36</b> mm	<b>23.4</b>	19.9				
	<b>1.18</b> mm	<b>17.7</b>	16.0				
	<b>0.600</b> mm	<b>15.1</b>	14.1	-1.0	*		
	<b>0.300</b> mm	<b>13.5</b>	12.8				
	<b>0.150</b> mm	<b>12.0</b>	12.0				
<b>0.075</b> mm	<b>9.6</b>	10.6	1.0	*			

**Testing Information:** Recompaction Temperature: 160 °C  
 Compaction by SGC to Ndesign of 100 gyrations Asphalt Cement by: Ignition Oven