

**JOHN EMERY GEOTECHNICAL ENGINEERING LIMITED**

CONSULTING ENGINEERS

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April 25, 1997  
JEGEL: 96116

Attention: Mr. W. Vandemark  
President

Dear Sirs:

Asphalt Concrete Testing  
Sierra Blanca Airport

As requested, John Emery Geotechnical Engineering Limited, Consulting Engineers (JEGEL), completed laboratory testing on core samples submitted to our Etobicoke laboratory. The results of the core testing are given in Table 1.

Please do not hesitate to contact us should you have any questions or if we can be of further assistance.

Yours very truly,

**JOHN EMERY GEOTECHNICAL ENGINEERING LIMITED**



Michelle Windross, C. Tech.  
Senior Laboratory Technician

Engineering / Research / Development / Education  
Soil / Rock / Aggregates / Slags / Asphalt / Cement / Concrete / Byproducts  
JEGEL • DYNATEST • PAVMATEC

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TABLE 1  
LABORATORY TEST RESULTS  
ASPHALT CONCRETE CORE SAMPLES  
SIERRA BLANCA AIRPORT

LABORATORY TEST	UNTREATED COMPOSITE SAMPLE A	TREATED COMPOSITE SAMPLE A	UNTREATED COMPOSITE SAMPLE B	TREATED COMPOSITE SAMPLE B
Asphalt Cement Content (%) ASTM D 2172	5.11	5.82	5.05	5.87
Penetration (dmm) ASTM D 5	32	61	27	69
Softening Point (°C) ASTM D 5	57.8	51.8	59.2	51.8
Ductility (cm) ASTM D 113	24.5	21	11.5	43.5
Absolute Viscosity (poise) ASTM D 2171	6363	2547	9691	1433

Sample B=RejuvaSeal