

VIVIAN ST PAVEMENT TRIAL NEW PLYMOUTH, NORTH ISLAND

PAVEMENTS

Product: Sealmac PF1

Problem

Vivian St is a one way 2 lane state highway taking traffic to the port, with concentrated heavy loads in the right hand lane. Traffic loading is 10,000 vehicles per day, a high proportion of these being heavy vehicles. The base construction was sound with very little evidence of rutting. The surface especially on right hand side (seaward side) had problems with flushing as a result of use of grader laid cold mix.

Solution

Three sections were trialed the central section was trialed with PF1 installed to cover each lane over an area of 75m x 8m width . No fabric laid in parking areas.

Application Rates (l/m²) using 180/200 Penetration grade bitumen with 2 parts kerosene were as follows:

Surface	Tack Coat	Top Spray	Total
Course texture	0.9	1.75	2.65
Flush surface	1.0	1.45	2.45

The two road sections on either end of the fabric seal were treated with single coat chip seal SAMI Modified emulsion 5 parts SBS Polymer.

Performance

A visual inspection in February 1999 noted significantly less flushing in fabric seal area than in the SAMI seal sections which were completely flushed in the wheel paths.

In some areas with fabric the chip was sitting very low but still had reasonable surface texture.

Client name:

TRANSIT NZ

Main contractor name:

ASPHALTIC CONSTRUCTION

Consultant:

BECA INFRASTRUCTURE LTD

Product used:

SEALMAC PF1

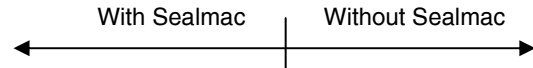
Construction date:

MARCH 1994



View from SAMI surface section

Date: February 1999



Close up of both sections

Date: February 1999

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Quality System AS/NZS ISO 9001:2000

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