

## **Update on use of Glenbrook Melter aggregate to improve skid resistance and seal lives in Hawkes Bay: A route case study**

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To address a growing problem with serious truck crashes and continuing problems with aggregate polishing on SH5 Glenbrook Melter Aggregate (GMA) was trialled as a possible solution in 2006. Since then it has been used extensively on high demand sites to achieve improved skid resistance and extend seal life cycles. The use of the material has subsequently been extended to other high risk sites within the network.

The material has proven to be durable and cost effective in reducing the number of crashes on the highway at locations which previously had a high crash history. Additionally it has provided good resistance to polishing from large percentage of trucks using the route and maintained a satisfactory level of skid resistance thus removing the need for frequent maintenance intervention for safety.

The paper will discuss the challenges that were faced from both the client and contractor perspective and provide details of the safety and asset benefits gained by use of GMA..