



Hurunui District Council

Annual Sealing Programme

– a diverse mix of traffic and climatic conditions

“Requirements were for seals that will last, don’t bleed and have no chip loss. Seal types appropriate for less than 50 VPD.”

In what is often a typical scenario in provincial New Zealand, Hurunui District Council is a small territorial authority in stunning surroundings bordered on the west by the snow-capped peaks of the Southern Alps and on the east by the Pacific Ocean. The Council maintains a network of 1,454kms of roading that has to be sustained by a ratepayer base of just over 11,500 residents.

CLIENT Hurunui District Council, North Canterbury



Analyse | Solve | Construct



Source | Formulate | Supply



For the general roading network:

- Two years prior to contract start planning network solutions for client
- Scheduling of annual renewal programme of ‘birthday seals’ every two to 30 years depending on location, traffic count
- Reprovisioning of texture into pavement surfaces to ensure increased skid-resistance
- Identifying the importance of crack-sealing to ensure waterproofing
- Undertaking 30kms of new sealing annually.

Possible schematics:

Key Performance Indicators

Pavement design lifecycle	A pavement that will last 12 – 30 years.
Surfacing solution	No bleeding or chip loss.
Wearing course	Durable, aesthetically pleasing, textured.
Construction	Site clean-up, monitoring required post sealing.
Customer Care	No complaints at time of construction.

Hanmer Springs – ‘the jewel in the crown’ for Hurunui District Council

The annual sealing programme consists of 10% urban and 90% rural roading, with a budget of \$1million. Additional complications are that the network is very spread out, the district stretching out to the North East including Amberley and Motunau beach.

This geographic location also brings with it a number of challenges with heavy snow falls during the winter and the population increases ten-fold due to the Hanmer Springs hotpools being a popular winter tourism destination.

Blacktop Construction has worked with roading engineers at Hurunui District Council to achieve the best value for money by developing roading solutions that suit the requirements of their operations.

For high profile Hanmer Springs tourism area, this has included:

- Designing material and treatment selections that will result in seals that are durable, aesthetically pleasing, textured and don’t look chunky
- Careful selection of grade of chip, chip size, seal type
- Providing a high level of service to the roading network in this Ward
- Co-ordination of work timing and treatment selection to ensure desired outcomes and expectations from major customers and clients are met.

