

MAINTENANCE and OPERATIONS

In addition to maintaining current and future levels of service, and preserving the asset, Transit proposes to:

- ▶ improve the availability of road condition information to road users at critical points on the network by the use of electronic variable message signposting. This signage is currently being erected on State Highway 7 (Lewis Pass and Rahu Saddle) with other parts of the network expected to follow.
- ▶ introduce thermal mapping of the inland network to better predict where icing will occur.
- ▶ introduce more road weather stations to improve road condition predictions and maintenance team responses to ice and snow, and continue to trial the use of the de-icer CMA (calcium magnesium acetate).
- ▶ continue to work, and prioritise its work accordingly, on risk analysis of rock falls and river erosion as threats to safety and route security occur.
- ▶ implement retrofitting works on a number of bridges on the network to reduce vulnerability in the event of a severe earthquake.
- ▶ continue to maintain and improve the coastal defences of SH1, north and south of Kaikoura.
- ▶ work with the Department of Conservation to ensure that maintenance works within the national parks represent world best practice.

Table CI UPDATE at August 2005

Forecasts of Expenditure on Maintenance and Improvements

Canterbury Region

	05/06 (\$M)	06/07 (\$M)	07/08 (\$M)	08/09 (\$M)	09/10 (\$M)	10/11 (\$M)	11/12 (\$M)	12/13 (\$M)	13/14 (\$M)	14/15 (\$M)	Total (\$M)
Maintenance											
Structural	17.2	17.9	19.3	20.2	21.1	22.0	23.0	24.0	25.0	26.2	215.7
Corridor	7.3	7.6	8.2	8.6	9.0	9.4	9.8	10.2	10.7	11.1	91.9
Professional Services	3.6	3.7	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	44.9
Property Management	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	9.3
Preventive Maintenance	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	2.7
Emergency Works	1.1	1.5	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4	19.3
Sub-total	30.2	31.7	34.4	35.9	37.5	39.2	40.9	42.7	44.6	46.6	383.9
Improvements											
Minor Safety Projects	2.2	2.3	2.5	2.6	2.8	2.9	3.0	3.1	3.3	3.4	28.1
Committed Projects	4.2	0.0	0.0	0.0	-	-	-	-	-	-	4.2
New Projects	9.4	10.1	11.8	11.9	15.7	33.7	60.4	54.4	48.1	44.5	300.1
Property Purchase	5.6	5.8	6.0	6.3	6.5	6.7	7.0	7.3	7.5	7.8	66.4
Walking & Cycling	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0
Sub-total	21.5	18.4	20.4	20.9	25.0	43.4	70.5	64.9	59.0	55.9	399.8
Total	51.7	50.1	54.8	56.8	62.5	82.6	111.4	107.6	103.6	102.5	783.6

Note: regional distribution funding for state highways forecast to be \$135M over 10 years