
Asset Manager's Report - April 2005



WATER/WASTEWATER

Waste Water

Urban Sewer Network

There were no blocked sewers reported and three new connections made.

Wastewater Plant

The WWTW continues to operate reasonably satisfactorily. A single instance of malodour was reported however. In the event that the ponds were indeed the source of malodorous emissions this may have been caused by the rapid lowering of the final effluent holding ponds at the end of February. Pond levels have been held stable during the past month.

Dissolved Oxygen levels and therefore the biological processes are still being maintained with a single aerator in operation. Some dead-ended mains have been flushed.

Water Schemes

Rural Water Schemes

A study comparing water allocations and water rates has been completed. Some 400 discrepancies have been identified and are being worked through.

A meeting of the Chairmen of the Combined Rural Water Schemes was held on the 16th March 2005 at LGC, as a follow-up to the December request. The next meeting will be on 15th June 2005.

Otaio Water Scheme

Some 400m of 80mm line was required to be replaced to one property, because of flood damage.

Lower Waihao Water Scheme

Some complaints were received regarding the safety of water delivered from the Lower Waihao water supply. Testing has been increased to three times a week, until the new chlorinator is installed. A new chlorinator for the intake has been ordered.

Waikakahi Water Scheme

The triennial meeting was held on the 8th March at the Arno Hall. The Chairman Ray Chamberlain was re-elected. The committee are still seeking a longer term volume upgrade to the system, and believe that a bore is preferable at this point. Maintenance has been carried out on the chlorinator.

Hook Water Scheme

Intake repairs from the washout have been completed. A new gallery and weir was rebuilt. The triennial meeting of the scheme is planned for 8pm at LGC on 7th April 2005.

Waihaorunga Water Scheme

No problems reported.

Cannington Water Scheme

There was minor damage to the intake after recent flooding, and an intake pipe remains to be reburied in the next two weeks. The well-attended triennial meeting was held on 31st March 2005, and Noel Crawford was re-elected Chairman. An EColi transgression has been detected at one residence and a boiled water notice at that property issued. Further system tests are pending.

Urban Water Supply

The Manchesters Rd bore chlorinator has failed and the plant was subsequently isolated from the water supply while parts are being sourced. The Timaru Rd bore now continues to operate as the single source of water for the township. Three new connections were made.

ROADING

Work Completed

Pavement Maintenance

The following unsealed roads have been repaired following Storm Damage on 14 February.

Scour repairs, Grading, replacement of lost gravel and Minor drainage improvements

Coffey, Guerins, Backline, Galways, Verties, Motukaika, Pratts, Howells, Coulters, Craigmores Hill, Frenchmans Gully, Patersons, Scotts, Wards, O'Brien's, Lyalls, Mile Cutting, Mt.Buster, Hendrys, EsK Valley, Springbank, Hillboro, Marshalls, Horseshoe Bend, Corrigals, Galletlys

Drainage

Minor drainage improvements have been completed on roads in conjunction with flood damage repairs.

Gunns Road - channel cleared up & down stream of wash over culvert

Culvert Repair

A concrete pavement has been constructed at the wash-over culvert on Pleasant Valley road. The existing seal surface was damaged by flooding.

Bridge Repairs

Motukaika, Taylors, Halls Bridge – Rock placed at Abutment

Cannington Bridge Handrail repaired, debris removed

Cliffs, Aymes, Holme Station light Bridges debris removed

New Signs at Pedestrian Crossings

Fluorescent Pedestrian crossing warning signs have been installed in advance of all Crossings. This is required by the introduction of the Road User and Traffic Control Devices rules.

Road Marking

Some road marking has been completed in Waimate. This complies with the new Road User and Traffic Control Devices rules.

A Give Way triangle replaces the existing painted words, the existing double limit lines are replaced with a single 300mm wide limit line.

Where possible a single limit has been installed 5m in advance of pedestrian crossings.

Minor Safety Projects and Intersections

Studholme Settlement, Hogans intersection with Waihao Back Road sealed

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Work Programmed

2004/05 Resealing Contract

Resealing programmed to be completed in March by Blacktop Construction Ltd. Has been delayed. Blacktop have indicated that overall adverse seasonal weather has interfered with their programmes nationally. This work should be completed in April.

Culvert Repairs

Pentland Hills Road Twin 1200mm dia. pipes concrete invert.
Pakihi Road repair damage to culvert headwall.

New Culverts

Teschemaker Bush Road
Backline Rd near Stanleys road (two culverts)
Stanleys road

Waterway Maintenance

Backline road at concrete fords (Waimate End)
Halls Bridge

Drainage Improvements

Corrigalls Road Unsealed section
Studholme Settlement Road
Serpentine Valley Road (parts)
Horseshoe Bend Road (Tavistock Road end)
Short St, Centre St, Whales St
Bussells Rd

Seal Widening

Hannaton Rd—Meyers Rd to Foleys Rd 400m
Serpentine Valley Rd—East of Elephant Hill Back Rd 300m
Serpentine Valley Rd—Zig Zag Rd to Wahaorunga Rd 900m
Serpentine Valley Rd—North of Tara Hills Rd to Pentland Hills Road. 1060m

Area Wide Pavement Treatment Granular Overlay

Serpentine Valley Road— Start Zig Zag Rd for 230m
Tawai Ikawai Road – Between Old Ferry and Ikawai Middle Rd 130
Ikawai Middle Road -- West of Cock &Hen Rd 220m
Hakataramea Valley -- Road North of Mt Florence Rd 120m

Minor Safety Projects Intersection improvement

Foleys Road, Hannaton intersection, reshape corner to remove superelevation.
Serpentine Valley Road, Wahaorunga Road sight benching.

Minor Safety Projects Sealing of Bridge Approaches and Intersections

SH 1 (Lyalls Rd, Braddon St, Highway Rd, Kingsbury Rd, Carrolls Rd, Cooneys Rd Half Chain Rd.) Mill Road (Parkers Bush Rd) Ikawai Middle (Thortons) Moorland Farm Settlement Rd – Peters Creek Bridge McHenrys Road-Hurstlea Bridge Parkers Bush Road – Sutherlands Bridge Sealing of Railway Crossing Braddon Street and Half Chain Road subject to Railway track maintenance

Speed Limit Bylaw

Submissions on the proposed bylaw closed on 24 March 2004.
Eleven submissions have received, two in support and nine requesting changes.

A report on the submissions will be presented to the May Environmental Management Committee Meeting.

Transit New Zealand State Highway 10-year Plan

A submission was sent to Transit New Zealand on the proposed State Highway 10-year Plan.

Proposed Plan Changes to Waimate District Plan

The Asset Management Unit forwarded a submission to Council on the proposed District Plan changes to road entrance requirements.

Land Transport NZ Survey of Traffic Standards

The regional engineering sections of LTNZ have a programme to annually survey the implementation of safety standards and guidelines in a sample of road controlling authorities.

This year Waimate District was included in road controlling authorities surveyed, the survey reviewed Intersection Controls and Crash Reduction studies.

The purpose of the surveys are to establish what standards, guidelines and processes are used by RCA's and the extent to which they are implemented, provide a national summary of results and to identify any changes that should be made to standards or traffic rules.

Street Closure Request

The Strawberry fare Committee have requested that the following streets be closed for the Waimate Strawberry Fare Event, Saturday 10 December 2005

Goldsmith Street (Queen Street to John Street)
John Street (south of Town & Country to North Fire Station.)

This will be advertised for public comment.

2005-06 Subsidised Roding Programme

The following is a breakdown of our proposed Subsidised Roding Programme for next year showing reduction from the request submitted to Land Transport NZ.

Proposed 2005-06 Land Transport Programme Summary (Subsidised Work)

Structural Maintenance	Contract Item	WDC code	Transfund Category
Pavement Maintenance (<u>Reduced \$25,000</u>)			
Pavement Repairs- Potholes, Edge break, Digouts, Stabilisation, Minor levelling, Crack sealing			
		\$160,000	
Grading - Unsealed roads Frequency 2 weeks 5km, 4 weeks 40km, 5weeks 367km, 8 weeks 6km, 10weeks 154km, 26 weeks 48km. The grading frequency is used a guide, inspections, moisture conditions, road use, metalling programme are taken into account when programming work.			
	\$200,000		
Extra Grading after storm events	\$10,000		
Unsealed River Fords Maintenance	\$5,000	\$215,000	
Shoulder Maintenance- Grading of unsealed and metalling shoulders			
		\$6,000	
Culvert & Concrete ford Maintenance.			
Regular inspections and cleaning of culverts Rural	\$10,000		
Regular inspections and cleaning of culverts and sumps Waimate	\$7,500		
extra maintenance	\$4,500	\$22,000	
Drainage Maintenance			
Cut-out drain Maintenance	\$11,000		
High Shoulder clearing (20km one side)	\$21,000		
Surface water Channel clearing (20 km one side)	\$22,000		
Side drain cleaning (1 km) and spraying	\$8,000		
Noxious weed control after road works	\$20,000		
Misc. Drainage Mtc.	\$8,000	\$90,000	
Kerb and Channel repairs			
		\$4,000	
Metalling - Replacement of wearing and running course metal on unsealed roads. 12000m ³ per year			
normal metalling 12000m ³	\$165,000		
Repair of scours etc.	\$20,000		
Heavy Metalling	\$25,000	\$210,000	
Pavement Repair Large area less than 100m length			
		\$55,000	
Culvert Replacement - Renewal or installation of culverts with a diameter of 600mm or less.			
	\$70,000	\$70,000	
Drainage Construction (<u>Reduced \$29,000</u>)			
Surface water Channel Construction(40 km one side)	\$66,000		
Misc.drainage Construction Side drains etc.	\$14,000	\$80,000	
Pavement Maintenance Total			\$912,000
Area Wide Pavement Treatment			

This category provides for pavement overlay over the full width of the road and a length of over 100m. Work may seal widening to overcome maintenance problems. This work must be the long-term least -cost option for the council.

\$95,000 **\$95,000**

Major Drainage Control

Large Culvert Replacement-Culverts over 600mm diameter
Kerb & Channel Renewal
Large Concrete Ford Renewal

\$15,000
\$40,000
\$20,000

\$75,000

Maintenance Chip Seals

Bitumen chip seals have a limited useful life, Resealing is programmed on as needed basis to arrest and prevent the deterioration of the road surface. Reasons for resealing include hardening of bitumen due to age and UV rays, inadequate skid resistance and pavement distress.

\$550,000 **\$550,000**

Seal Widening (Reduced \$50,000)

Seal widening is undertaken when the combination of seal width, vehicular speed and traffic volume results in damage to the edge of the seal and shoulder note WDC has 370km of rural sealed under 5.3 m wide

\$50,000 **\$50,000**

Bridge Maintenance

Bridge Repairs - provides for the work necessary to maintain the structural condition and appearance of all bridges
Routine Maintenance -inspection clearing deck, drainage holes, tightening of timber baulks.
Painting handrails
Unscheduled repairs- clearing waterways, minor repairs
Bridge - Upgrade Deck , beam replacement etc.

\$16,000
\$3,000
\$11,000 \$30,000
\$50,000 \$50,000

Bridge Maintenance Total

\$80,000

Structural Maintenance Total

\$1,762,000

Professional Services

Professional services fees and maintenance management activities (RAMM)
In-house Roading Technical Unit
Consultant

\$225,000
\$35,000 **\$260,000**

Corridor Maintenance

Contract
Item **WDC code** **Transfund**
Category

Amenity & Safety Maintenance

Normal care of the road corridor to maintain the safety and aesthetic Standards

Work included in this Category

Vegetation Control Roadside Furniture \$16,000

Vegetation Control Bridge Approaches	\$3,000		
Vegetation control Railway Crossings	\$1,500		
Vegetation Control Intersections	\$2,500		
General Vegetation removal	\$10,000		
Mowing 188 km Mowed 4 times per year	\$24,000		
Mowing 200km Mowed 2 times per year	\$9,000		
Flood patrol Signs (subject to Storms)	\$9,000		
Snow and Ice Control ,Signs (Subject to weather)	\$20,000		
Rural Litter removal	\$4,000		
Rural Detritus removal rock fall etc	\$6,000		
Amenity & Safety Maintenance		\$105,000	\$105,000
K&C Cleaning			
30% of the cost of cleaning the kerb and Channel			\$5,000
Traffic Services			
This category provides for the normal care and attention of roading furniture and traffic control devices that promote a safe and efficient roading system			
Pavement Marking		\$26,000	
Sign Repairs			
Sign Inspection & Routine maintenance cleaning etc	\$9,000		
Painting posts and sight rails	\$4,000		
repairs	\$7,000	\$20,000	
Sign Renewal			
Marker post replacement/ Renewal	\$5,000		
Culvert Markers	\$8,000		
Sign Renewal including posts	\$45,000	\$58,000	
Traffic Services Total			\$104,000
Carriageway lighting			
Lighting Operation & Maintenance- Power and Street light patrol and repairs	\$17,000		
Lighting Renewal (replacement lighting)	\$0		\$17,000
Level Xing Warning Devices			
Maintenance of Warning lights 100% Subsidised		\$10,000	\$10,000
Corridor Maintenance Total			\$241,000
Minor Safety Projects			
Minor safety project provides funding for the construction of the following types of safety work			
Geometric improvements, intersections improvement, sight benching, share of stock underpasses, safety footpaths etc			
Maximum project value \$150K, Financial rate 63%, allocation 85 of block maintenance allocation.			
		\$109,075	\$109,075
Total Programme			\$2,372,075

Land Transport New Zealand Share	\$1,289,941
Territorial Authority Administration Support	\$32,249
Total Subsidy	\$1,322,189

WASTE

Resource Recovery Park (RRP)

Preparations are in hand for the arrival of Whitehorse Recycling. The metal and greenwaste processing contractors are overdue, however these areas should be addressed by the end of April. The bailer has arrived and is currently in storage at the Recycling Shed

The Recycling Operation

Draft Recycling Contracts

Preliminary drafts of the Kerbside Collection Contract and the Whitehorse Recycling Contract have been submitted to Buddle Findlay for a legal opinion.

Their response indicated that minor amendments were necessary, mainly due to lack of consistency and definition of terms used.

Discussions are being held with Whitehorse Recycling representatives to progress these contracts. An update will be available for the Waste Working Party meeting, scheduled for Friday April 22.

Graeme Hamilton
Asset Manager - 1 April 2005