

**KAIKOURA DISTRICT COUNCIL WORKS AND SERVICES
COMMITTEE MEETING HELD AT 9.00AM ON THURSDAY 17
FEBRUARY 2005 IN MEMORIAL HALL SUPPER ROOM,
ESPLANADE, KAIKOURA**

AGENDA

1. Apologies

2. Matters of Importance to be raised as Urgent Business.

3. Matters Arising from Report of 15/12/05

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4. Minutes Action and Issues List Update

18 AUGUST 2004			
Works	Report on future of Gas Barbeques	Stuart/Ian	In Progress
Works	Approach Transfund for part funding sealing of Old Beach Road	Murray	See Roothing Report – Page 7
17 NOVEMBER 2004			
Works	Invite Mainpower to a future meeting to explain their timeframes, etc.	Linda	Mainpower meeting with Council on Monday 21 February
Works	Consultation with Peketa water users regarding upgrade.	Martin/Stuart	In Progress
Works	Survey/count of users of Davidson Terrace Walkway	Murray	In Progress
Works	Further Workshop on Rural Water Supply	Stuart/Martin	In Progress

5. Reports:

- **Works and Services Report** *page 1*
- **Roothing Report** *page 7*
- **Works and Services Budget Report** *page 18*

6. Urgent Business

CONSENT PROCESSING

On-going assistance and engineering advice has been provided for previously submitted consent applications and for the following new consent applications:

Applicant	Location of Activity	Consent Sought
Chesham Estates Limited	Inland Kaikoura Road and Kowhai Ford Road	Subdivision
Barney Hapuku Kydd Ltd	236-238 Beach Road	Subdivision
PJ & CM Redwood	Silver Springs Road, Clarence	Subdivision
Kulnine Holdings Ltd	Kekerengu Road & State Highway 1	Subdivision
Mark Baxter	102 Beach Road	Subdivision
EC, C & A McLeod	79 South Bay Parade	Subdivision
AM Harnett Estate	205 Bay Paddock Road	Subdivision
TW & BM Petersen	277 Mill Rd	Subdivision & Landuse

WATER SUPPLY

Urban Water Supply

The water demand over December was lower than typical, due to the wet weather, however as it got drier during January a marked increase in water consumption was apparent – See attached graph.

Works Infrastructure have become proficient in managing high water demand and, to date, the water supply has operated satisfactorily without any significant problems. Traditionally the water supply has been most stretched in February as the flows from the Waimangarara source dry up. So long as there are no prolonged periods of either fine or wet weather, we hope to get through this season without shortages.

Inspections of all water treatment and control facilities have found all elements of the water supply to be operating well. The only significant failure was a break in the trunk main that occurred on New Year's Day, which was repaired by Works Infrastructure.

Kaikoura Water Supply Renewal

As part of the footpath construction work in South Bay it was decided to replace the old galvanised laterals and water tobies, which were nearing the end of their useful life.

A full program of other renewal work, to be undertaken this financial year has been discussed with Stuart Grant and design is under way for the highest priority projects. Due to budget limitations priority this year has been given to completing a number of small projects, where customers are getting poor service, rather than replacing pipes with a history of failure.

Once the design is complete the renewal projects will be tendered and referred back to Council for final approval.

The identified renewal projects are listed below:

Item	Location & Description	Length (m)	Connections Affected	Estimated Cost
Work Proposed This Year				
1	Bayview Street	80	39	\$39,500
2	Ludstone Road - East	170	10	\$25,000
3	Ludstone Road - West	175	2	\$9,000
4	Old Beach Road	800	5	\$20,500
5	Pooles Road	700	2	\$16,000
Subtotal				\$110,000
Work Proposed In Subsequent Years				
6	Torquay & Killarney St (from Yarmouth to Esplanade)	470	13	\$100,500
7	Torquay St (Margate to Brighton)	525	22	\$83,500
8	Esplanade	360	11	\$60,000
9	Deal Street	380	14	\$71,000
Subtotal				\$323,000

Item 1

There is a section of 50mm Galvanised Iron (GI) pipe at the end of Bayview Street that has burst in the past and requires replacement. All GI laterals in this street also need to be replaced ahead of the planned footpath upgrade project.

Item 2

Ludstone Road - East is a renewal set out for 2003 in the KDC Asset Management Plan. There is a 32mm GI pipe along Ludstone Road, between SH1 and Grays Lane, which is known to be in poor condition and is near the end of its expected life. The proposal is to replace this line with a 50mm PE pipe.

Item 3

Ludstone Road - West is a renewal of the watermain to 136 Ludstone Road and the Power Substation. The existing 15mm GI pipe is badly corroded, which is both restricting the supply and is prone to blockage. The existing pipe needs to be disconnected and a new 50mm PE watermain installed from Mt Fyffe Road.

Item 4

There is a combination of 15, 20, 25 and 50mm water pipes of various materials extending along the western side of Old Beach Road, from Mill Road. Pressure at the end of this line is unacceptably low. The smaller sized pipes need to be replaced with 50mm PE watermain.

Item 10

Pooles Road involves the renewal of a faulty section of 25mm MDPE line. This line was subject to frequent failure, prior to the installation of a pressure-reducing valve. The pressure-reducing valve has improved the reliability of the line, but lead to complains about poor pressure. Replacing the faulty section of pipe with 50 and 32mm PE watermains would allow the pressure-reducing valve to be adjusted or removed.

Items 6, 7, 8 and 9

These items refer to sections where the main is old Spiral Riveted Steel (SRS) pipe. These pipes are nearing the end of their life and failures of this type of pipe are difficult to repair.

The renewal of Esplanade from Margate to Torquay was tendered as part of the 2001/02 and the 2003/03 renewals contracts. On both occasions the work was not contracted because of budget constraints. To maintain some consistency in annual renewal expenditure, these projects could not all be undertaken within the same financial year.

SEWER SYSTEM

Urban Sewer Reticulation

There have been no significant events over the last month to report. There was a series of pump blockages that required clearing, but this is reasonably routine.

Sewage Treatment

It can be seen from the attached graph that the daily sewer flows have risen significantly in late January / early February. This has not coincided with any heavy rainfall, so the increases directly relate to increased customer usage.

As previously discussed in Council, the effluent disposal system is badly clogged and about to be upgraded. In the meantime the high flows are causing concern. In the attached graph the pond level can be seen to fluctuate as the disposal basins have difficulty draining away the effluent.

On 7 February 2005, we received complaints of odour from the oxidation pond. Staff from Works Infrastructure investigated, but there were no odours at the time of their visit. Dissolved oxygen levels within the oxidation pond have remained high, so the odour problems are highly unlikely to be coming from the pond itself. It is more likely that the problems with high effluent levels in the disposal basins and the summer heat have caused the smell.

The odour problem appears to have been an isolated event, which should be prevented from re-occurring once the new effluent disposal basins are constructed.

Sewage Treatment Upgrades

Tenders closed for the upgrade of the oxidation pond effluent disposal at 4PM on Friday 28th January 2005.

The contract is a lump sum contract and the following three tenders were received:

1. City Care Ltd.	\$314,946.43
2. Delta Utility Services Ltd.	\$457,530.65
3. BG Contracting Ltd.	\$484,025.11
Engineers Estimate	\$330,000.00

We assessed the non-price attributes of the lowest tender, being City Care Ltd. and as their attributes passed, we recommended them to be the successful tenderer. Stuart Grant accepted this recommendation and the tender has been awarded to City Care Ltd.

It should be noted that the total price of \$314,946.43 includes a \$20,000 contingency allowance and around \$42,000 of items which will be funded by Transit NZ, as part of their development of a digester to treat collected stock truck effluent.

STORMWATER SYSTEM

Urban Stormwater

There have been no significant events to report.

PARKS & RESERVES

All of the parks and reserves were inspected prior to and following the Christmas break. They were found to be in generally good condition.

A cherry tree in Churchill Park has branches growing over the path. Works Infrastructure were first asked to remove the offending branches in November and have had subsequent reminders to undertake the work.

Complaints have also been received about the stability of some pine trees within the cemetery. These have been investigated, but no trees were considered to pose a threat of collapse. We will continue to monitor this.

LAND TRANSPORT PROGRAMMES/RECORDS

Returns and information are being supplied to Land Transport New Zealand as requested.

Land Transport New Zealand has advised that the proposal put to them as a funding alternative for Old Beach Road seal extension will not be approved. We are at present reviewing the economic analysis prepared for the project to see whether we can find additional benefits that will increase the benefit cost ratio from 3.1 to the 4.0 cut off. We will be able to report further at the works and services meeting.

ROUTINE ROAD AND BRIDGE INSPECTIONS

Routine road and bridge inspections are continuing with the roads in the northern area inspected on 12 January 2005 and the roads in the southern area inspected on 1 February 2005 (a copy of the records of inspection are attached).

The condition of the roads was satisfactory with only the odd pothole and edge break requiring attention. The mowing of the grass along the roadsides has been completed however the scrub cutting carried out has not been to the required standards with the contractor going back and correcting the work which has fallen outside the standard.

A number of minor works are planned including replacement of one of the wooden cattle stops on the Clarence Valley Road, pipe repairs and levelling on Red Swamp Road and the overlay of a small section of South Bay Parade. While the overlay on South Bay Parade is complete with only tidying up work to be carried out, the other works will be carried out over the next month.

RAMM SYSTEM UPGRADE

Maintenance of the RAMM system is ongoing and will be updated as more information becomes available.

TRAFFIC COUNTING PROGRAMME

Traffic counts for the month of January include the following roads:

1. Avoca Street
2. Mt Fyffe Road (bore)

(copies of the traffic count sheets are appended).

The traffic counts for Avoca Street shows a steady increase of vehicles from 1,430 in October 2000 to 1,690 in February 2005. The traffic count at the Mt Fyffe Road bore show the traffic counts to be relatively steady from October 2000 until January 2005.

The traffic counter was put out on the Whaleway Station Road from 22 December 2004 until 5 January 2005. Over this period the annual daily traffic was recorded at 1,684 with heavy commercial vehicles recorded at 7.36%. A printout of the traffic volumes per hour is attached for your information.

As requested we are continuing to forward copies of the traffic counts and speed matrices to the Kaikoura Police.

YARMOUTH STREET UPGRADING

The work is complete including the asphaltting of the footpath but excluding road markings. The road markings will be carried out late February when the roadmarker is in town for the resealing.

The three small islands have been sown in grass by mistake. The intention is that they will be landscaped with small plants. This work will be arranged shortly.

FOOTPATH UPGRADES

The contractor, Fulton Hogan, has commenced work on the footpath upgrade. To date the South Bay footpath between Phairs Drain and Finz Restaurant has been completed. The reports received back to date on the work are all positive.

The contractor now intends to complete the footpaths which are to be surfaced in chipseal which include Kiwi Street, Hastings Street, Brighton Street and parts of Torquay Street.

WESTEND RE-DEVELOPMENT – STAGE I

Work on the southside is now well advanced with the new bridge in place and the stairs complete. Work is continuing on the wheelchair access ramp and the flood retaining wall between the existing State Highway 1 bridge and the new footbridge. Re-routing of the power cables and water mains will be carried out within the next two to three weeks.

The new footbridge and access is being extensively used and positive comments have been received on it.

RESEALING 2004/2005

The contractor, T C Nicholls Limited of Blenheim, will commence the resealing work in approximately one week with work being completed by the end of February 2005.

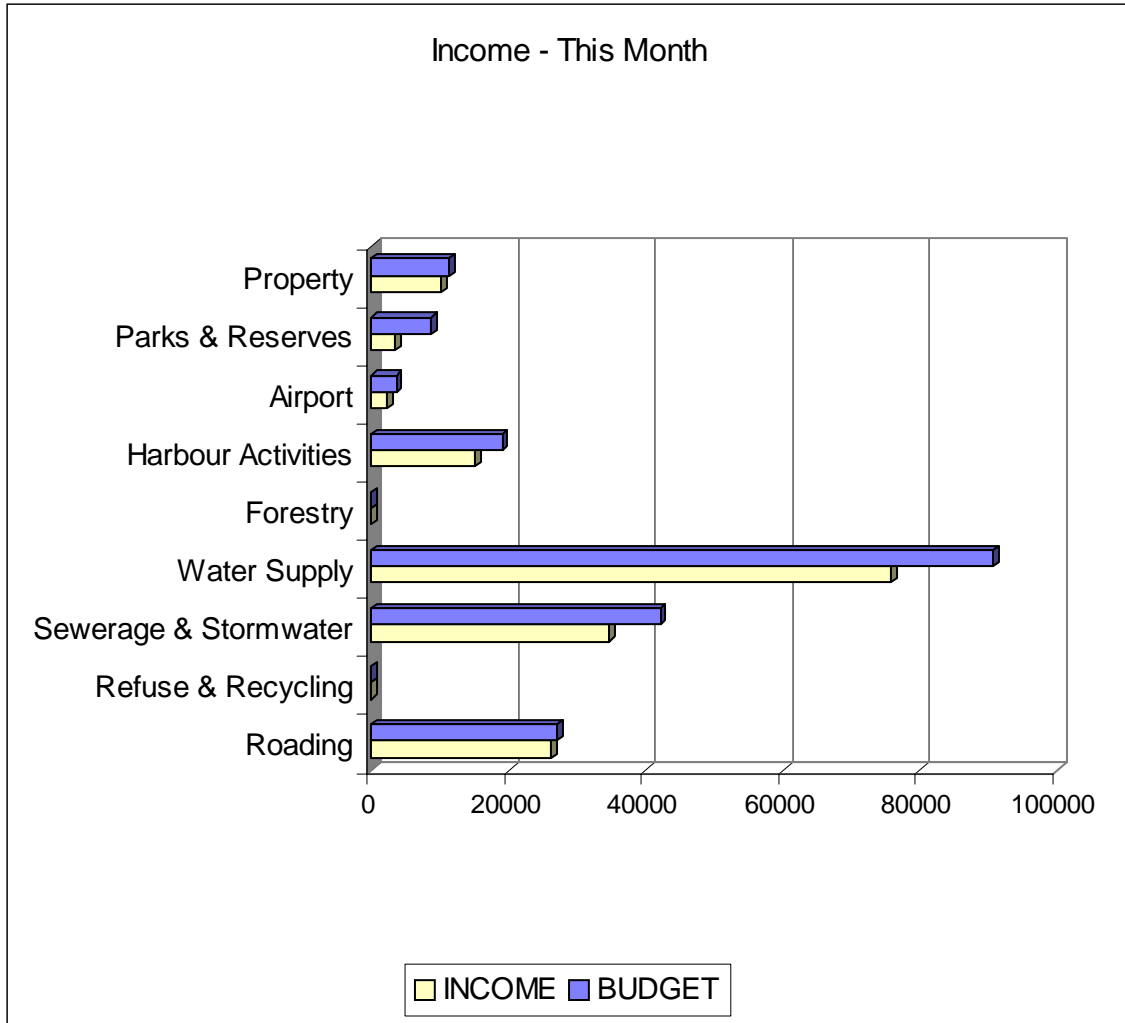
MAINTENANCE GRAVELLING 2004/2005

The maintenance gravelling work will be carried out in Autumn 2005.

SPEED LIMITS BYLAW 2004

The draft bylaw was presented to the works and services meeting in December 2004. The aim now is to bring the bylaw to Council in February 2005 for ratification.

Works & Services Budget Report



Expenditure - This Month

