

**KAIKOURA DISTRICT COUNCIL WORKS AND SERVICES
COMMITTEE MEETING HELD AT 9.00AM ON WEDNESDAY 21
FEBRUARY 2007 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 20/12/2006 *page 77*

4. Minutes Action and Issues List Update

MEETING	ACTION REQUIRED	BY	DATE ACTIONED
	20 DECEMBER 2006		
Works & Services	Include monthly maintenance report on Pensioner units in future agendas	Gallo	See report – page 13

5. Reports:

- **Works and Services Report** *page 1*
- **Roading Report** *page 6*
- **Pensioner Housing Report** *page 13*
- **Works and Services Budget Report** *page 15*

6. Urgent Business

Works & Services Report

WATER SUPPLY

Urban Water

Operations

The problem of chlorination at the Brunnels Rd shed continued into the month of January. The problem has been attributed to variation in water being supplied from the Waimangarara as the flow control meter is unable to measure low flow. This is in the progress of being corrected.

Water Demand

The average demand for the urban supply of the township for December 2006 was 2875 m³/day slightly less than that of November's (2906 m³/day) whereas the demand for January 2007 was 3327 m³/day; this was recorded from the new source.

The total average flow for December 2006 and January 2007 was 3071 m³/day and 3338m³/day respectively (this is the average inclusive of flows from the Waimangarara) whereas for November it was 2391m³/day.

Comparing the flows for the reporting period to the same period last year (Table 1 below) it shows that there was a significant decline in the water demand, possible explanation for this is:

- Unusual rainy days and/or
- Renewal works on some of the main which may have reduced leakages.
- The leakage detection program implemented

Table 1; Water Demand (Dec 2005 -Jan 2006)

Dates	Demand – Chlorine shed (m ³)	Demand – Alternate Bore (m ³)	Total Demand (m ³)	Average Demand (m ³ /day)
21-31, Dec 2005	41,063	15,339.6	56,402.6	5640.2
1-4, Jan 2006	14,237	6,578.5	20,815.5	5203
4-12, Jan 2006	30,513	12,291.84	42,804.8	5350.6

Kincaid Water Supply

No major problem was experienced with the Kincaid system during the reporting Month.

SEWER SYSTEM

Urban Reticulation

The sewage flow averaged 1354m³/day for the month of December 2006 and 1409 m³/day for the month of January 2007 as measured at the Mill Rd Pumping station. The average flows at the Oxidation pond was 1367 m³/day and 1408 m³/day respectively for the same period as Mill Rd.

The data shows that the averaged flows in December 2006 and January 2007 is higher than that for December 2005 (1245 m³/day) and January 2006 (1676.5 m³/day). This slight increase could possible be attributed to the number of rainy days rather than an increase in actual sewage effluent.

The measured Dissolved Oxygen (DO) averaged 3.6mg/l in December and 2.4mg/l in January. Despite these averages the pond has been experiencing low DO's within the reporting month also there were in excess of 5 complaints received about odour emanating from the facility.

STORMWATER

Urban Stormwater

Despite the unusual weather pattern there has been no operational problem with the storm-water system for the reporting month

PARKS & RESERVES

The operation and maintenance of these assets were unsatisfactory for the reporting month as the contractor was severely setback due to the weather that was experienced in Kaikoura.

PUBLIC TOILETS

There have been consistent reports of smell from these facilities. This has been discussed with the contractor who has tried to address the issues. A routine inspection will be carried out with the contractor on the 19th February 2007.

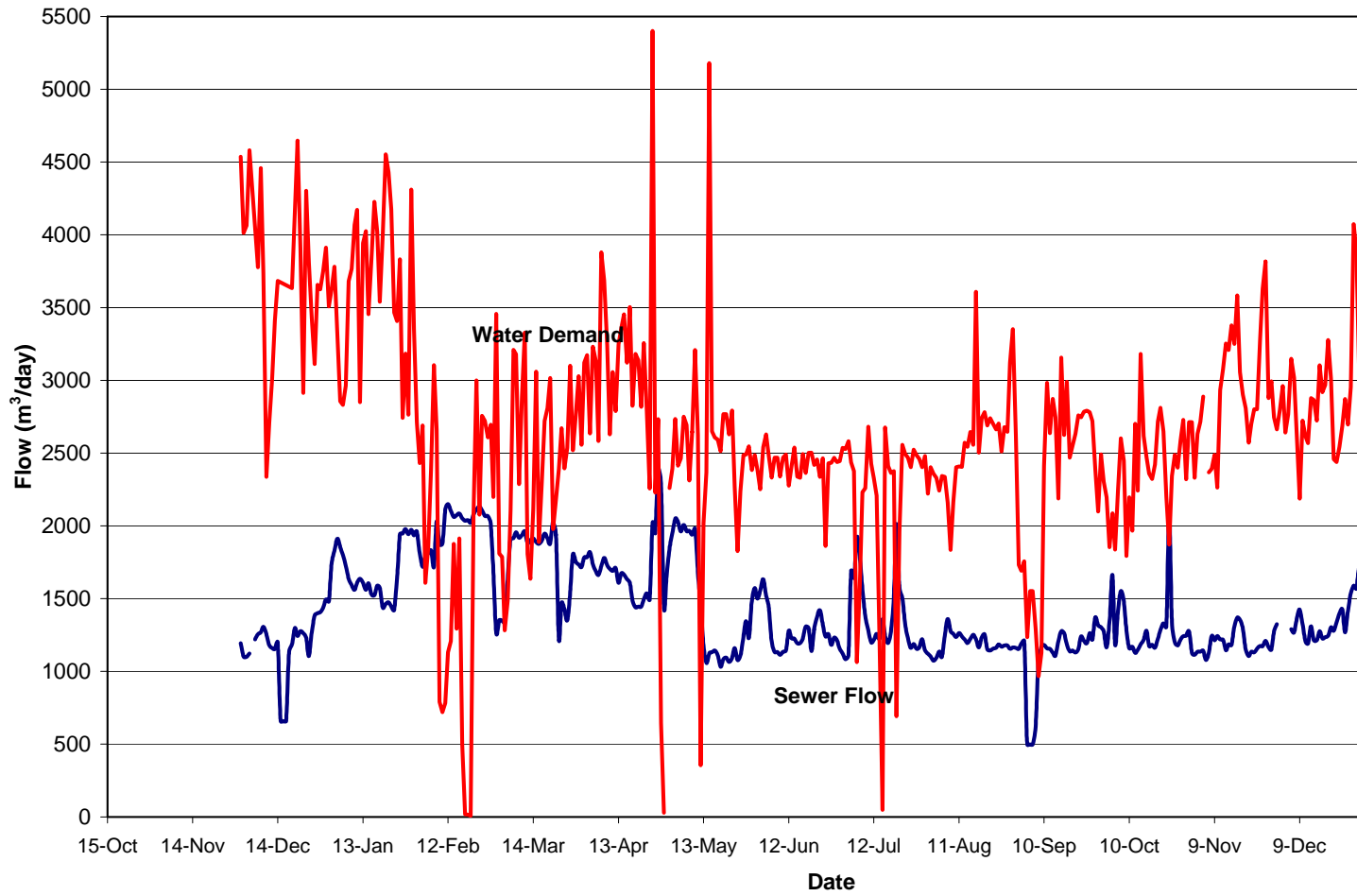
OTHER

Work continues on the processing of resource consents and other issues.

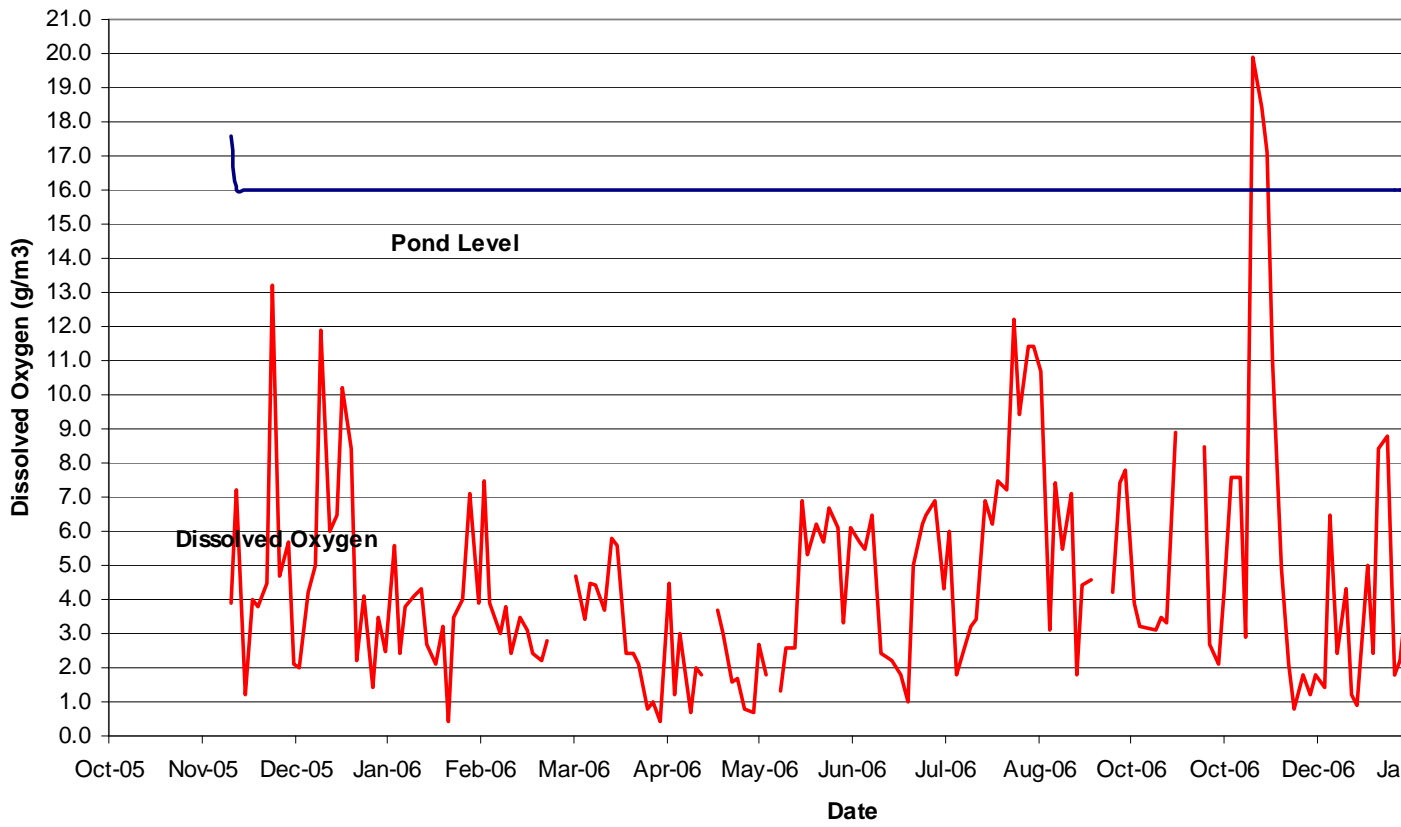
Capital Works

Item	Project	Awarded	Contractor	Start Date	Comments	Completed
1	Water main Renewals	Yes	Fulton Hogan	October 2006	On Schedule	Completed
2	Kincaid Water Main Extension	Yes	Fulton Hogan		Not on Schedule supposed to be completed 7-11-06	Completed
4	Ludstone Rd Pumping Station and Rising Main to Hawthorne Rd	Yes	Ching Contracting Ltd	24 October 2006	On Schedule	95% completed
5	Moa Point Seawall	No		?	Still awaiting ECAN's consent.	
6	Oxidation Pond De-sludging	Yes	Robson Environmental Services	September 2006	On Schedule	Yes,

**Water Demands & Sewer Flows
(Dec 2005 -January 2007)**



**Kaikoura Oxidation Pond
DO & Water Levels
(Dec 2005 to Jan 2007)**



ROADING REPORT

CAPITAL PROJECTS

Item	Project	Awarded	Contractor	Start Date	Comments	Completed
1	Resealing Contract	YES	T.C. Nicholas	February 2007		
2	Moa Point Seawall	No		?		

BRIDGE MAINTENANCE PROGRAM

Work is progressing on the maintenance/repair work identified as priority A for all the bridges.

RAMM SYSTEM UPGRADE

This is on going and is being carried out by Connell Wagner.

STOCK EFFLUENT ON COUNCIL ROADS

Consultation is in progress with the individual farmers.

MAINTAINANCE GRAVELING 2006/2007

The following roads are recommended and are being considered for the 2006/2007 maintenance gravelling program

Priority A's:

Scotts Road: This road has no sub base, and is considered unsafe during winter. 100mm should provide some strength to the road formation and provide a good running surface.

Kiwa Road: This road is a high use road that desperately needs some metal, because at the moment the vehicles are more or less running on sand.

Kowhai Ford Road: This road has the sub base showing through in many areas, 50mm should bring it back up to a good standard again.

Waipapa Road: This road is showing signs of failure in many places, with a lack of sub base providing many problems, 100mm should provide some strength to the road, with the possibility of adding more in just a couple of years time.

Clarence Valley Road (9004 – 10783): This section of Clarence Valley Road has sub base showing through in areas, and is barely holding together at present, with potholes developing within days of being grading.

Silver Springs Road: This road has no sub base, and is considered unsafe during winter. 100mm should provide some strength to the road formation and provide a good running surface.

SUMMARY OF COMPLETED WORK FOR DECEMBER 2006/JANUARY 2007

Road ID	Road Name	Potholes	Digouts (m2)	Edge Break (m)	Other Sealing (m2)	Grading	Surface Debris	Markerposts	Signs	Sight Rails	Other Signage	Vegetation	Various
3	Avoca St	1											
101	Beach Rd	9				2		1					
103	Blue Duck Valley Rd					1							
157	Burrels Lane					1							
107	Chapmans Rd					1							
108	Clarance Valley Rd					1							
11	Edmund Ave	2											
12	Esplanade							2					
118	Inland Rd												Bridge
22	Killarney St	3						2					
123	Kiwa Rd					2							
124	Kowhai Ford Rd					1							
125	Ludstone Rd	8	87	97.2		1							
	Moa Rd							1					
129	Mt Fyffe Rd	3				1							
133	Pooles Rd					1							
134	Postmans Rd	6					1						
136	Puhi Puhi Valley					1							
140	Red Swamp Rd	17	67.2			1	1						
33	Scarborough St	6						1					
143	Scotts Rd					1							
146	Top Line Rd					1							
37	Torquay St	1											
38	Tui Rd			30									
45	Yarmouth St	1											

Traffic Count

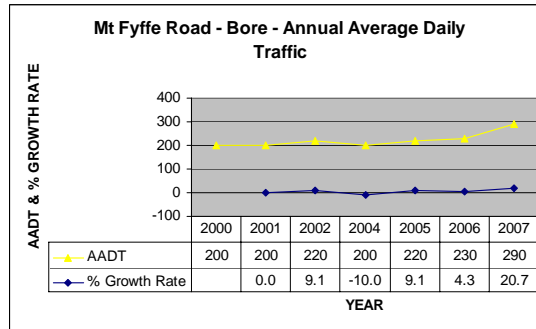
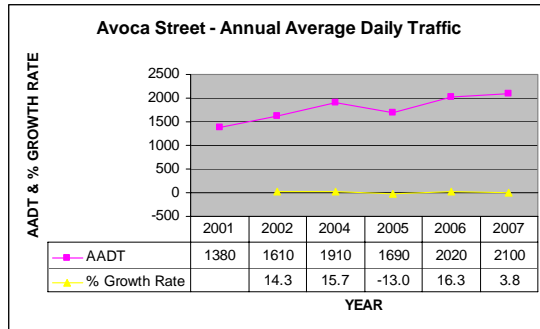
Traffic Count for the month of January included the following roads

- Mt Fyffe Road– 290 Vehciles per day (vpd)
- Avoca Street – 2100 vpd

The average daily count for Mt Fyffe Road for 2007 has increased by approximately 60 vehicles – an increase of 20% from 2006. The overall growth rate from 2000 to 2007 is 2.1%. 25% of vehicles were travelling more than the 100kmh speed limit.

Vehicle movements for Avoca Street have increased from 2020 in 2006 to 2100 for 2007. This shows an increase of 3.8% and an overall trend of 5.6% since 2001. 46% of the vehicles counted where travelling more than the 50kmh speed limit however only one third of these were over 60kmh.

The figures below show the Annual Average Daily Traffic Trend from 2001 to 2006



We are continuing to provide the police with the traffic count results.

RECORD OF INSPECTION – January 2006

Ludstone Road

LH Side 50m from Mt Fyffe Road Intersection, an approximately 1.5m² heave on the road needs a digout repair

In the area of the 3rd Pole past Mt Fyffe Road Intersection approximately 15m length the sealed edge is heaving, requires a digout repair.

A big pothole 10m past the cow sign (LHS – PW37) at Chainage 1834 and another at Chainage 1900 needs fixing.

Schoolhouse Road

The road is potholed and corrugated and needs grading

Mt Fyffe Road

Unsealed – Bit out of shape, corrugated and potholed needs grading

Red Swamp Road

Several potholes developing needs to be fixed.

The sealing repairs carried out in front of property number 219 starting to heave and would require a digout to repair.

Reoccurring pothole next to the Bridge opposite Electrical Pole 8, instructions given for a test hole to determine cause, a digout may be required to correct the problem.

The unsealed section of this road needs grading

Burrell's Lane

Apart from a few potholes, the road is in good a condition.

Old Beach Road

Corrugated and potholed urgently needs grading

Chapman's Road

Corrugated and potholed urgently needs grading

The date of the next road inspection is to be yet to be agreed.

Network Traffic Flows - No major traffic delays were encountered in the Kaikoura roading network within the December/January period.

MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-3 -- English (enz)

Datasets:

Site: [12904540] Mt Fyffe Road - Bore
Direction: 7 - North bound A>B, South bound B>A., **Lane:** 0
Survey Duration: 12:18 Tuesday, 16 January 2007 => 9:22 Wednesday, 24 January 2007
File: R:\13 Roothing\13.1 General\13.1.1 Urban\Traffic Count\Traffic
Count\TC2007\1290454024Jan2007.EC0 (Plus)
Identifier: M1211H48 MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 9:00 Wednesday, 17 January 2007 => 9:00 Wednesday, 24 January 2007
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 10 - 160 km/h.
Direction: North, East, South, West (bound)
Separation: All - (Headway)
Name: Factory default profile
Scheme: Vehicle classification (AustRoads94)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 2009 / 2243 (89.57%)

Class Speed Matrix

ClassMatrix-3

Site: 12904540.0SN
Description: Mt Fyffe Road - Bore
Filter time: 9:00 Wednesday, 17 January 2007 => 9:00 Wednesday, 24 January 2007
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NESW) Sp(10,160) Headway(>0)

Speed (km/h)
Speed Totals

		Class										
		1	2	3	4	5	6	7	8	9	10	
<u>11</u>	<u>12</u>											
10 - 20	|	4	.	.	.	.	.	.	.	.	.
.	|	4	0.2%									
20 - 30	|	8	1	1	2	.	.	.	.	1	.
.	|	13	0.6%									
30 - 40	|	38	2	.	.	.	.	.	.	1	.
.	|	41	2.0%									
40 - 50	|	90	3	.	5	.	.	.	.	.	1
.	|	99	4.9%									
50 - 60	|	229	17	6	8	1	.	1	.	.	.	
.	|	262	13.0%									
60 - 70	|	333	16	5	9	.	1	.	.	.	3	
.	|	367	18.3%									
70 - 80	|	292	4	10	1	.	1	.	.	.	3	
.	|	311	15.5%									
80 - 90	|	180	1	21	4	1	2	.	.	.	2	
.	|	211	10.5%									
90 - 100	|	142	1	37	8	.	1	6	.	.	.	
.	|	195	9.7%									
100 - 110	|	130	.	58	8	.	.	3	.	.	.	
.	|	199	9.9%									
110 - 120	|	93	.	47	8	.	1	1	.	.	.	
.	|	150	7.5%									
120 - 130	|	40	.	34	6	.	.	1	.	.	.	
.	|	81	4.0%									
130 - 140	|	15	.	31	4	.	.	.	.	.	.
.	|	50	2.5%									
140 - 150	|	2	.	17	1	.	.	.	.	.	.
.	|	20	1.0%									
150 - 160	|	2	.	4	.	.	.	.	.	.	.
.	|	6	0.3%									
		Class Totals										
0	0|	1598	45	271	64	2	6	12	0	2	9	
0.0%	0.0%|	2009	79.5%	2.2%	13.5%	3.2%	0.1%	0.3%	0.6%	0.0%	0.1%	0.4%

MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-2 -- English (enz)

Datasets:

Site: [00300300] Avoca St
Direction: 8 - East bound A>B, West bound B>A., **Lane:** 0
Survey Duration: 9:26 Wednesday, 24 January 2007 => 9:36 Wednesday, 31 January 2007
File: R:\13 Roding\13.1 General\13.1.1 Urban\Traffic Count\Traffic
Count\TC2007\0030030031Jan2007.EC0 (Plus)
Identifier: M1211H48 MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 9:26 Wednesday, 24 January 2007 => 9:36 Wednesday, 31 January 2007
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 10 - 160 km/h.
Direction: North, East, South, West (bound)
Separation: All - (Headway)
Name: Factory default profile
Scheme: Vehicle classification (AustRoads94)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 14690 / 14722 (99.78%)

Class Speed Matrix

ClassMatrix-2

Site: 00300300.0WE
Description: Avoca St
Filter time: 9:26 Wednesday, 24 January 2007 => 9:36 Wednesday, 31 January 2007
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NESW) Sp(10,160) Headway(>0)

Speed (km/h)
Speed Totals

		Class										
		1	2	3	4	5	6	7	8	9	10	
11	12											
10 - 20	|	28	.	1	.	.	.	.	.	.	.
.	|	29	0.2%									
20 - 30	|	131	3	2	6	3	.	.	.	.	.
.	|	145	1.0%									
30 - 40	|	1558	69	100	14	.	1	1	.	.	.	
.	|	1743	11.9%									
40 - 50	|	5521	169	251	22	4	11	3	.	1	.	
.	|	5982	40.7%									
50 - 60	|	3611	91	425	6	1	26	4	.	.	.	
.	|	4164	28.3%									
60 - 70	|	1698	34	295	7	.	8	5	.	.	.	
.	|	2047	13.9%									
70 - 80	|	371	1	79	2	.	1	2	.	.	.	
.	|	456	3.1%									
80 - 90	|	62	.	35	.	.	.	.	.	.	.
.	|	97	0.7%									
90 - 100	|	8	.	6	.	.	.	.	.	.	.
.	|	14	0.1%									
100 - 110	|	2	.	2	.	.	.	.	.	.	.
.	|	4	0.0%									
110 - 120	|	3	.	2	.	.	.	.	.	.	.
.	|	5	0.0%									
120 - 130	|	1	.	1	.	.	.	.	.	.	.
.	|	2	0.0%									
130 - 140	|	.	.	1	.	.	.	.	.	.	.
.	|	1	0.0%									
140 - 150	|	.	.	1	.	.	.	.	.	.	.
.	|	1	0.0%									
150 - 160	|	.	.	.	.	.	.	.	.	.	.
.	|	0	0.0%									
		12994	367	1201	57	8	47	15	0	1	0	
0	0|	14690										
0.0%	0.0%|	88.5%	2.5%	8.2%	0.4%	0.1%	0.3%	0.1%	0.0%	0.0%	0.0%	
Class Totals												

PENSIONER HOUSING REPORT

On 27 June 2005 an application by Kaikoura District Council was sent to Housing New Zealand. The proposed project was to build 4 additional pensioner housing units at a complex on Torquay Street with 6-8 family units (2-3 bedrooms) on a Council owned site at Churchill Street. Housing New Zealand has since informed Council that funding for the 6-8 family units is not available for the coming financial year (**which year 2006/2007**) and has advised that KDC concentrates on the application for the 4 pensioner units.

Housing New Zealand advised Council that a number of policies and procedures that outline tenancy management, housing allocation, rent setting and a concept plan need to be developed by the Council. Council was also advised that funding up to \$600,000.00 has been earmarked for the project however; this funding is subjected to the following conditions:

- The project has to be approved by HNZ and
- Council pays 50% towards the project cost.

As part of this project, the possibility of modernising the existing units is also under consideration and this will be concluded when the final design and costing for the new units is established. In the meantime the required upgrade works for the existing units have been identified and priced.

Progress

As part of the funding application process an Asset Management Plan and a Design Brief were developed and used to engage an Architect. Three tenders were received and the lowest bidder "The Design Team" was awarded the contract.

Progress is being made and most of the requested information has been provided as detailed in the table below; hopefully, the process will be completed by March 2007.

Finances

Council has secured a grant of \$12,000.00 for the appointment of the Architectural Services which includes the following:

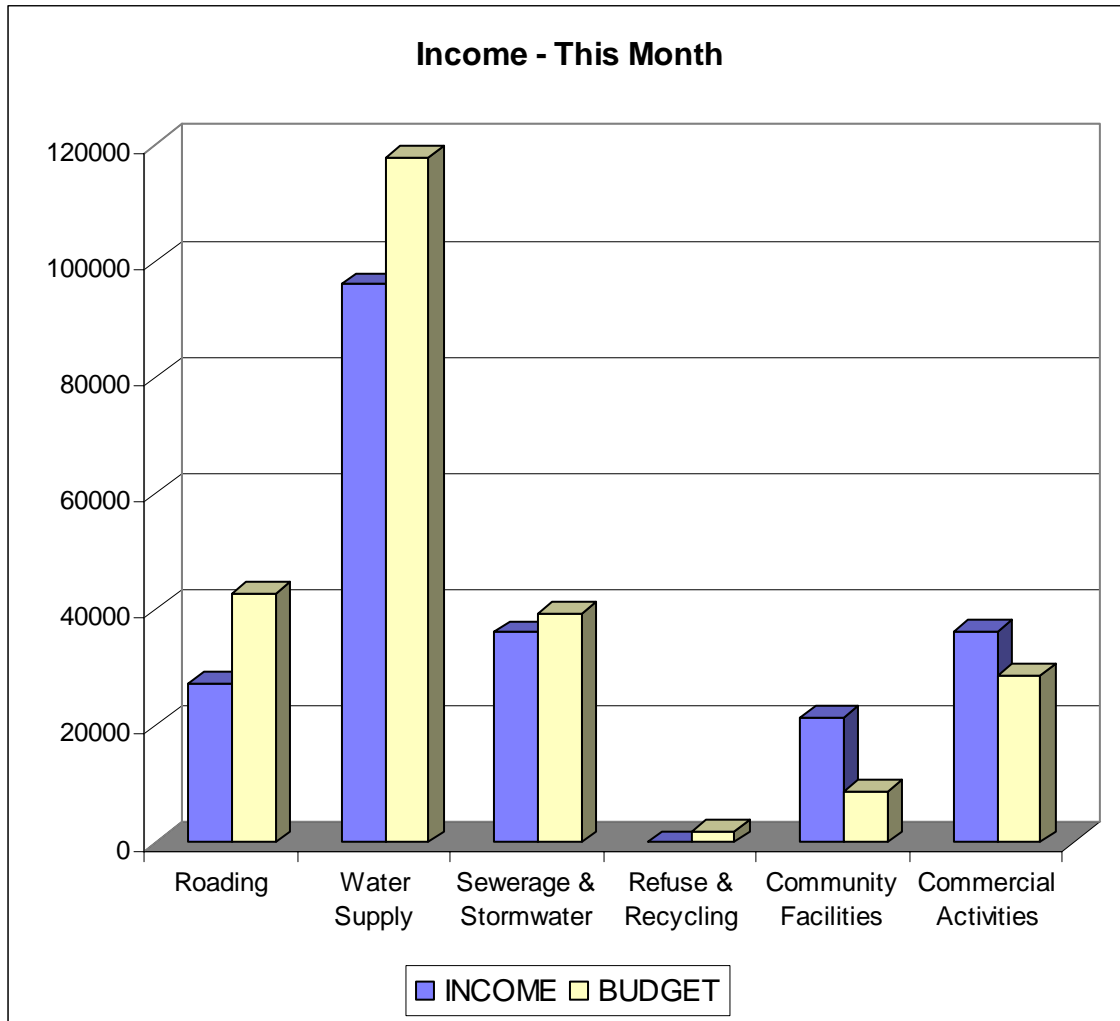
- Develop a brief
- Site analysis
- Preliminary of concept Design and outline specification of materials,
- Develop Design and elemental cost plan,
- Contract documentation including working drawings, specification (ideally in Masterspec format) application for building consent, tender documentation
- Tendering and negotiation including pricing documents necessary to obtain competitive tenders.
- Contract administration and observation
- Practical completion? Defects inspection and organisation, Final certificate etc.

- Post Contract review of lessons learnt and communication.

Summary of the process to date

Funding Application Requirements	Date Completed	Date Submitted to HNZN	Comments
Asset Management Plan	27 th Nov 2006	5 th December 2006	
Design Brief for the Architectural Services	18 th December 2006	19 th December 2006	
Tenders Invited for Architectural Services	19 th December 2006	19 th December 2006	
Tenders Received	19 th January 2007		
Tenders Evaluated and contract Awarded	25 th January 2007		The contract was awarded to The Design Team
Initial Consultation with the Architect re the design options	12 th February 2007		

Works & Services Budget Report



Expenditure - This Month

