

**KAIKOURA DISTRICT COUNCIL WORKS AND SERVICES
COMMITTEE MEETING HELD AT 9.00AM ON WEDNESDAY 20
SEPTEMBER 2006 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 16/08/2006

page 80

4. Minutes Action and Issues List Update

MEETING	ACTION REQUIRED	BY	DATE ACTIONED
Works & Services	Arrange collective meeting for early June with local farmers re stock effluent on roads	M Fletcher	In Progress
	20 JULY 2006		
Works & Services	Provide a report on the conditions of swayle drains	Gallo/K Williams (Works Infrastructure)	In Progress

5. Reports:

- **Works and Services Report**
- **Roading Report**
- **Works and Services Budget Report**
-

page 1

page 5

page14

6. Urgent Business

WORKS AND SERVICES REPORT

WATER SUPPLY

Urban Water

Operations

Apart from one incident of high turbidity of the water from the gallery on the 7th and 8th of August, no major problems were encountered with the water supply systems during this reporting period.

Water Demand

The average demand for August was 2602m³/day whereas for July it was 2431.1m³/day. During the period of the high turbidity from the 7th to 8th August, 864m³ was supplied from the alternate bore. Graph 1 shows the trend in water demand as supplied by the Waimangarara

New Water Source

The new water source is now connected and testing of the system is currently underway. We have received the recommended conditions from Environment Canterbury which has incorporated our comments. Council have since accepted those recommendations.

Kincaid Water Supply

There was no major malfunction with the Kincaid system during the reporting month.

SEWER SYSTEM

Urban Reticulation

The sewage flow averaged 1192m³/day for the Month of August whereas it averaged 1351m³/day during the Month of July. The outflow at the pond pumping station showed an average of 1233 m³/day.

The measured Dissolved Oxygen (DO) averaged 6.9mg/l. during the month.

STORMWATER

Urban Stormwater

There has been no operational problem with the storm-water system for the reporting month.

PARKS & RESERVES

The maintenance of these assets continues, most areas are in a satisfactory condition with the contractor getting back on schedule with the areas that suffered during the rainy period.

PUBLIC TOILETS

The facilities are being fairly maintained. There was one malfunction in the reporting month at the West End toilet facility which resulted in the closing of the toilets to the public over the night of August 22, 2006. The problem was rectified by excavating the sewer lateral the following morning (August 23, 2006) to clear the blockage.

Works at the Jimmy Armers facility has been implemented and will be completed by the end of September 2006.

LYELL CREEK FOOTBRIDGE

Construction works have now been completed with only the lighting installation to be completed.

DAVIDSON TERRACE

Works for the underpass at Davidson's Terrace has now been completed.

SOUTH BAY PARADE – EXTENSION OF FOOTPATHS

Subsequent to approvals for the implementation of works for the Southbay footpath, works commenced on August 24, 2006 and is presently in progress.

LEAKAGE DETECTION

A detailed leak detection programme took place in Kaikoura from 31 July 2006 to 12 August 2006. This consisted of a detailed ground survey which included acoustically listening to all valves, hydrants, tobies etc in the Kaikoura Township. A total of 83 leaks were found. 50 were council leaks and 33 were residential leaks. Of the 50 leaks that belong to Council four were leaks that were identified last year which were never repaired due to the impending water main renewal project. Of the 50 Council leaks identified, 32 have already been repaired

One area in particular proved to have considerable leakage and this was Killarney St and Torquay St where 5 major mains leaks over a 600 meter distance were identified.

Once these 5 leaks are repaired it will reduce our minimum night flow (MNF) considerably.

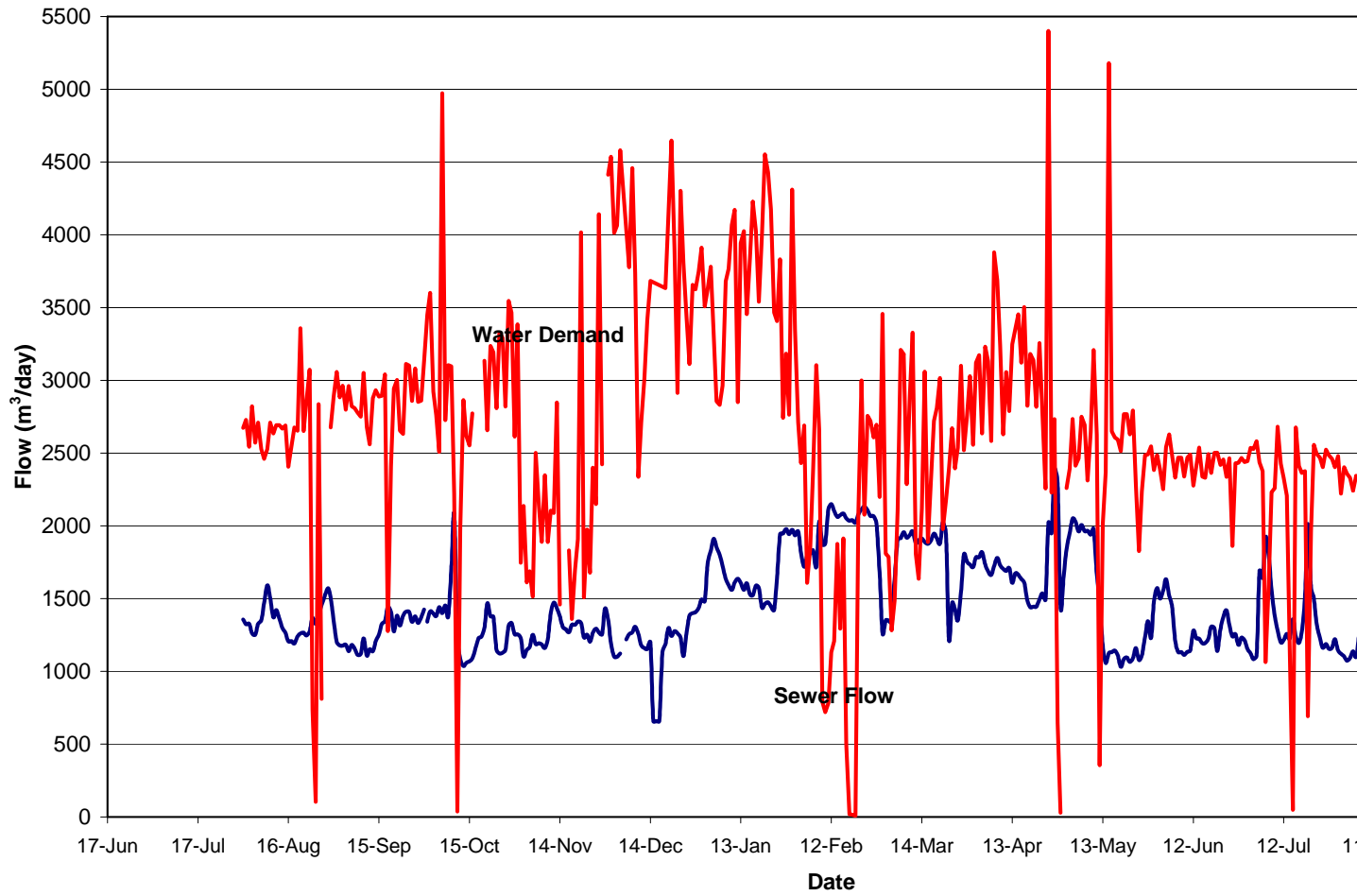
The total maximum estimated leak from the 83 leaks identified is 1528m³/day of which 1212m³/day is on the section of the main to be renewed under the water mains renewal program for year 2006.

Residential leaks that were identified in the 2005 leak detection programme were identified again in 2006 and are mainly from restaurants (urinals) and public toilets. The total estimated residential leak is 149m³/day.

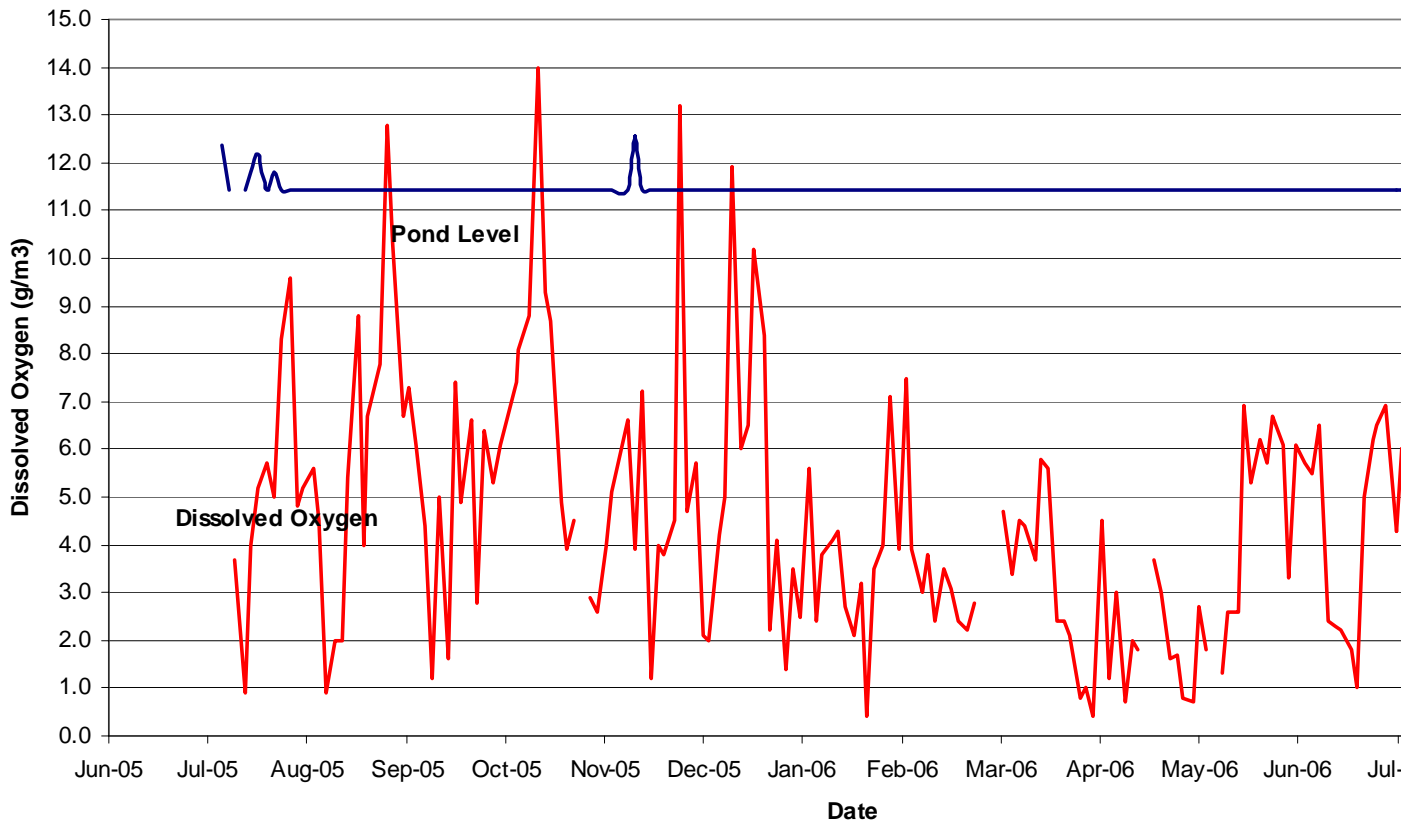
OTHER

Works continue on the processing of resource consents and other issues.

**Water Demands & Sewer Flows
(August 2005 -August 2006)**



**Kaikoura Oxidation Pond
DO & Water Levels
(Aug 2005 to Aug 2006)**



Roading Report

RAMM SYSTEM UPGRADE

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

TRAFFIC COUNTING PROGRAMME

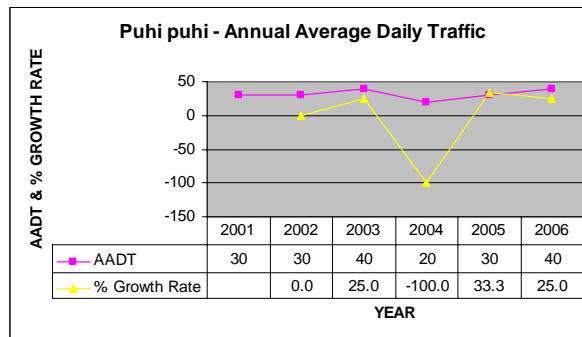
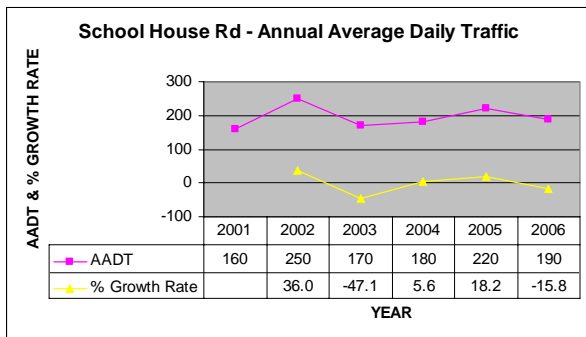
The Traffic Count for the month of August included the following roads:

1. South Bay Parade
2. Schoolhouse Road – 190 Vehicles per day (vpd)
3. Puhi Puhi Road – 40 Vehicles per day

For Puhi Puhi road the vehicles per day have been ranging between 20 and 40 vehicles per day, no specific pattern has evolved over the period. Overall growth rate from 2001 to 2006 is -0.5%. 97% of the vehicles were travelling within the 50kph limit.

The count for Schoolhouse Road for year 2006 has decreased by 14% compared to year 2005 which had 182 Vehicles per day. Overall growth rate from 2001 to 2006 is -2.8%. 4.5% of the total vehicle count were travelling above the 100kph limit.

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



The South Bay Parade traffic count was abandoned due to vandalism. The rubber pipes were broken and the traffic counting interrupted.

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

STOCK EFFLUENT ON COUNCIL ROADS

We still await an update from Connell Wagner.

MAINTAINANCE GRAVELING 2006/2007

The Roads maintenance gravelling program for this financial year 2006/2007 will be completed by October 2006.

RECORD OF INSPECTION

10 August 2006

1. Inland Road

- i) Generally the sealed section of the road is in good condition
- ii) Edge markers in general and some of the culvert markers are in pretty poor conditions, some missing, some broken and some are leaning. These edge markers need to be corrected, the markers located along the curves at Bellbird Corner need immediate correcting.
- iii) Debris in dish channels along Greenburn needs clearing
- iv) Pothole on road next to Black Stream Bridge needs fixing.
- v) Identified edge breaks near Little Linton Bridge and by Bellbird Corner, these need repairing and as such have been programmed for the coming month

2. Scotts Road

- vi) Road has some potholes especially at location of culvert number 5.
- vii) Cattle stops clogged with silt and need cleaning, and drains to be created to divert stormwater runoff away from the road.
- viii) Recent rains have created scouring on some areas of the road due to poor drainage systems. Drainage work needs to be carried out to stop the stormwater runoff from scouring the road.

3. Blunts Road

- ix) Except for very few potholes, Blunts Road is in acceptable condition.

4. Red Swamp Road

- x) Apart from a pothole next to bridge, no problems noted over sealed section.
- xi) The unsealed section needs grading

5. Postmans Road / Chapmans Road

- xii) Unsealed section of roads in good condition. Stormwater drainage is a problem with mid section of Chapmans road at two low points, the water has no where to go and therefore floods on to the road. Part of low area needs raising and soak pits are proposed for these spots, no resource consent is required for this.
- xiii) Serious edge breaks on Postmans Road identified, programmed for repair in September as agreed

6. McInnes Road

- xiv) Road in good condition, recently graded.

7. Mt Fyffe Road

- xv) Road in good condition. Recently graded.

8. Pooles Road / Topline Road

- xvi) Satisfactory condition.

9. Brunnels Road

xvii) Satisfactory condition – Recently graded

10. Blunts Road

xviii) Few potholes observed

11. Diary Farm Road

xix) Road needs grading

xx) Pothole at Cattle Stop needs filling

12. Kowhai Ford Road

xxi) Big ponding on section of road closer to Inland Road needs filling and grading

xxii) Culvert marker on sealed section needs erecting.

24 August 2006

13. Topline Road

xxiii) Road is well graded however, there is a big pothole that needs fixing.

14. Kowhai Fords Road

xxiv) A dig out has been repaired on this road however, this work was not authorised.

15. Ludstone Road

xxv) Road generally in a fairly good state, a pothole approximately 50m west of the Mt Fyffe Rd intersection needs fixing.

16. Bullens Road

xxvi) Road is in good condition.

17. Puketa Road

xxvii) Road is in good condition.

18. Valley Road

xxviii) Road in Satisfactory condition. The bridge off Valley road needs cleaning

19. Oaro M

xxix) Road could do with a sweep otherwise in a fairly satisfactory condition

20. Birches Road

xxx) Few potholes require fixing. Gate padlocked at 1st Cattle Stop

21. Waitane Road

- xxxi) Sealed section is okay but the unsealed section unsealed section is potholed and needs repairing. Fulton Hogan are currently working in the area, as agreed this repair will be arranged once work in the area has finished.

COMPLETED WORK FOR THE REPORTING PERIOD

Potholes, Digouts, and other sealing

- Mt Fyffe Rd (6), Ludstone Rd (7), Red Swamp Rd (14), Killarney St upper (7), Yarmouth St (2), Hawthorn Rd (5), Esplanade (4), Killarney St upper (2), South Bay Parade (4), Inland Rd (15), Ludstone Rd (15), Red Swamp Rd (12), and Kowhai Ford Rd (2).
- Dig out Ludstone Rd, and Kowhai Ford Rd
- Edge Break Inland Rd (89m)

Emergency Work, Snow clearing, Ice gritting

- Ice gritted Inland Rd on the following dates; 18/08/06, 17/08/06, and the 16/08/06.

Grading

- Puhī Puhī Valley Road, Clarence area, Red Swamp, Grange Rd, Postmans Rd, Chapmans Rd, Green Lane, Harris Rd, School House Rd, and McInnis Rd. Kowhai Ford rd, Dairy Farm Road, Blunts Road, Scotts Road.

Surface Debris

- Bridge decks brought up in bridging program cleared
- Intersections swept: Ludstone/Mt Fyffe, Ludstone/Green, Red swamp/Postmans, Postmans/Mt Fyffe
- Ludstone Rd / Mt Fyffe Rd intersection
- Red Swamp Rd / Postmans Rd intersection
- Postmans Rd / Mt Fyffe Rd intersection

Marker Posts and Signs

- Rorrison's Rd: School sign and the bridge weight sign removed from ground, probably by students.
- Ice/Grit sign on inland road had a broken post
- Police identified issues with various signs as agreed with Gallo Saidy
- Marker Posts Inland Rd

Vegetation Control

- None

Various

- Culvert inlets and outlets in the Kekerengu area, the Cheviot area, the Puhi Puhi Valley Rd, Ludstone Rd, Red Swamp Rd, Kowhai Ford Rd, Mill Rd, Schoolhouse Rd, Postmans Rd, Mt Fyffe Rd, Chapmans Rd, Pooles Rd, Brunel Rd, Hawthorn Rd, Harnetts Rd, Factory Rd, Wilderness Rd, Skevingtons, Old Beach Rd, Parsons Rd, Grange Rd, Bay Paddock, Green Lane, Rorrisons Rd, and Topline Rd.
- Culvert inlets and outlets on Blue Duck Valley Rd, Inland Rd, Dairy farm Rd, Blunts Rd, Scotts Rd, Esplanade,
- Soak pits on Chapmans Rd
- Cattle crossing Mt Fyffe Rd
- Unsealed road pothole repairs on Birches Rd(8), Glencree Rd(6), Topline(1), Dump Rd(3).

The date of the next road inspection to be confirmed.

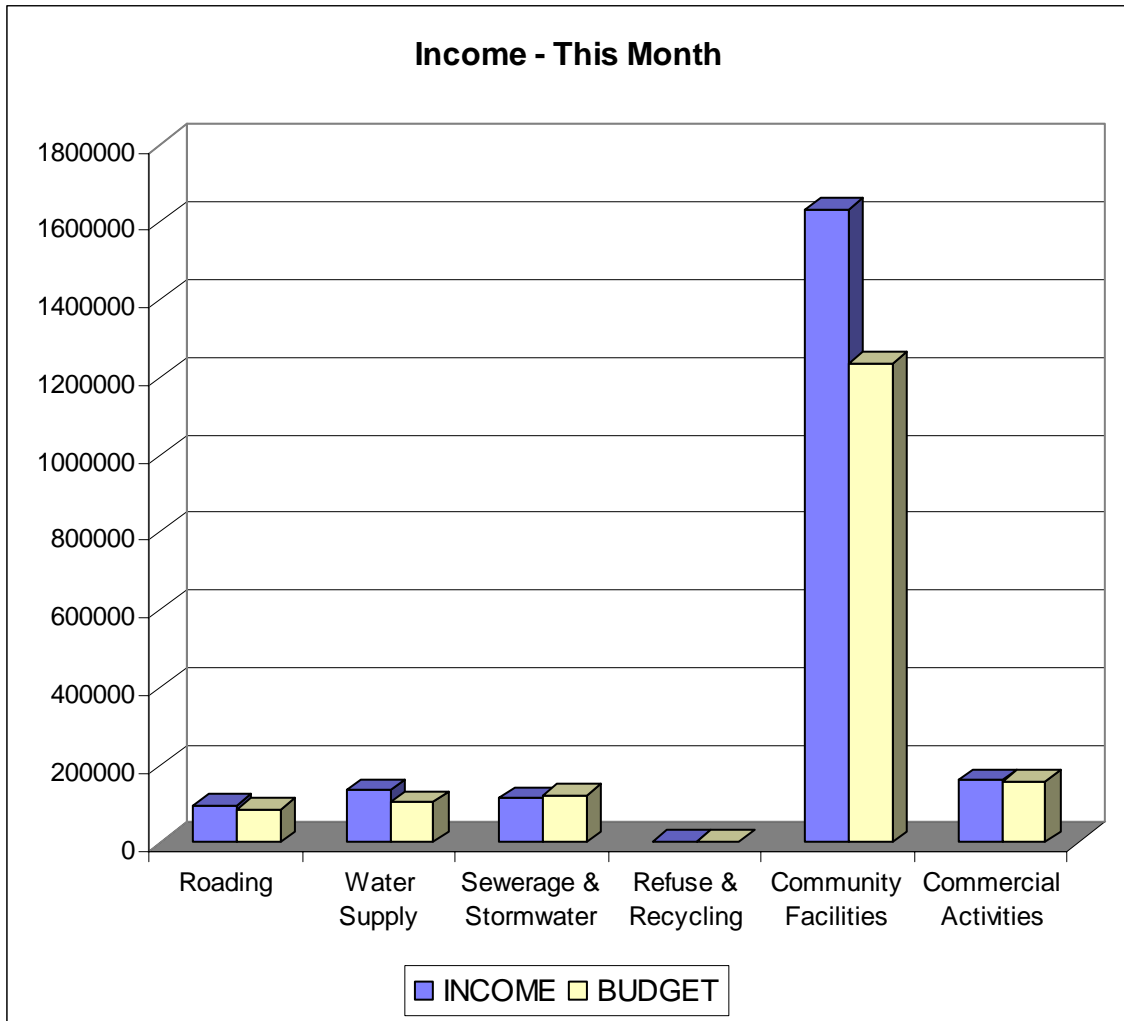
Network Traffic Flows

- No major traffic delays on the Kaikoura network in the last four weeks.

Infrastructure Works Timetable

Project	Awarded	Contractor	Start Date	Completed
SouthBay Parade Footpath	Yes	Works Infrastructure	September 2006	
Watermain Renewals	Yes	Fulton Hogan	October 2006	
Ludstone Rd Pumping Station and Rising Main to Hawthorne Rd	Yes	Ching Contracting Ltd	September 2006	
Moa Point Seawall	No	?	?	
Oxidation Pond De-sludging	Yes	Robson Environmental Services	September 2006	
Sewer Trunk Maim Stage 2	Yes	BG Contracting	February	

Works & Services Budget Report



Expenditure - This Month

