

# REPORT

**TO:** Chairman and Members Engineering Services Committee  
**FROM:** Peter Thomson  
**DATE:** 14 October, 2010  
**FILE:** A503  
**SUBJECT:** Asset Management Report

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## 6 ASSET MANAGEMENT REPORT

### 6.1 Roothing

#### 6.1.1 Letter to Land Transport NZ

A copy of the letter to be sent to Land Transport NZ and a draft copy of the heads of agreement is attached for information. This is as per Council resolution WK04/12/21.

#### 6.1.2 Talbot Street Footpath

Community Services Department have arranged for the removal and replacement of the tulip trees which are lifting the footpath in a section of Talbot Street. A replacement species will be planted and once the trees have been removed, the footpath will be repaired.

#### 6.1.3 Michael Myers Street

Public notice declaring that the unformed part of Michael Myers Street between sections 1 and 2 SO Plan 328006 be stopped, has been advertised.

#### 6.1.4 Salisbury Road Proposed Cycling and Pedestrian Facilities

**Cycle Lanes:** A concept plan has been developed and discussed with Richmond Ward Councillors. A brochure was then circulated to all affected businesses and residents both along Salisbury Road as well as those on side roads closest to Salisbury Road.

Display boards were also installed in the main foyer of Council's Richmond office and Richmond Library.

A public forum was held mid-December 2004 at Salisbury School Hall, whereby anyone interested could come along and discuss the proposals with Council staff and Roothing Consultant. The number that attended was very low which may have been due to the weather. The forum started at 3.00 pm and went through to 7.00 pm, this timeframe it was felt gave most people the best opportunity of attending. The forum was promoted through the brochure as well as Council's Newsline.

The brochure included a free mail back comment card of which less than ten have been received to date. Further promotion of the closing date of 14 January 2005 for comments was undertaken in Newsline.

A newsletter will shortly be sent out to update all affected businesses and residents including all of those that sent in comments, to explain the outcome of the consultation process on the final design.

The main changes to Salisbury Road through the proposed installation of the cycle lanes will be the extensive loss of parking which very little negative comment has been received on. Parking will be provided on at least one side of the road with this alternating between blocks with the exception of the section of Salisbury Road between Arbor Lea Avenue and Champion Road, due to the narrowing of the carriageway. Some of the available on-road parking outside Waimea College will be lost, which may force particularly school students to park on side streets around Waimea College. This problem if it eventuates, may best be dealt with once the cycle lanes are in place.

As part of the cycle lane concept and consultation it is proposed to install a pedestrian refuge on Salisbury Road between Talbot Street and the shops near the Florence Street intersection. A further proposal is to relocate the Waimea Intermediate School crossing south away from its present position which is close to the school vehicle accessway for safety reasons.

It is proposed the installation of the cycle lanes including the pedestrian refuge and relocation of the school crossing will be in place, at the latest, by the end of May 2005.

### **6.1.5 Salisbury Underpass – Reservoir Creek**

The Resource Consent application for this project was submitted in late December 2004 after the basic design had been finalised.

### **6.1.6 Council's Regional Walking & Cycling Strategy**

Council's Working Group has now finalised its recommendations on the 149 Submissions received. The draft strategy will now be edited inline with the recommended changes before being submitted to Council for adoption. A letter will be sent out to all submitters thanking them for their submission.

## **6.2 Rivers**

### **6.2.1 Lower Motueka Stopbank Review**

MWH have completed an inventory of all relevant historical data and information that is available on the lower Motueka River to assist in a comprehensive review of the capacity of the river channel and stopbank system.

The next stage is a scoping study to provide a full understanding of the extent and design of the Lower Motueka scheme along with any previous studies and reviews since the scheme was built. Expected completion date is 31 March 2005.

### **6.2.2 Riwaka Stopbank Review Stage 4**

The preparation of a task plan for this work is underway with MWH. The scope of the task plan requires an acceptance of an area to cover the "community of interest", the assessment of risks for individual titles, and the sourcing of funding. These issues need further development.

It is recommended that the Brooklyn upgrade be incorporated into the Lower Motueka review and that appropriate interim maintenance works be included in the AOMP for 2005/2006.

The task plan for the Riwaka stopbank upgrade project will be presented at the next meeting.

### **6.2.3 Redwood and Eves Valley Streams Upgrade**

Mr Bruce Moseley has prepared a detailed list of desirable works that his committee believes are necessary to make their sections of the catchment more efficient and effective during high rainfall events. The Asset Engineer Rivers will evaluate the requests and submit acceptable tasks as part of the AOMP for 2005/2006 and/or future years.

## **6.3 Water**

### **6.3.1 Wai-iti Valley Community Dam**

Contract 624 for Wai-iti Dam was awarded to Taylors Contracting in November 2004. The contractor has taken possession of the site. Initial contract meetings have been held and dam footprint stripping has begun. Culvert and safety signage upgrading work is underway on 88 Valley Road. Programming of the projects timeline is under review with the contractor to establish their commitment to achieving the 20 May 2005 completion date for the critical elements of the project.

### **6.3.2 Mapua Water Upgrade**

The reservoir has been constructed along with all associated valve connections within budget and has been commissioned for use. Minor site work has also been completed, including sealing of access road and electrical ducting between the existing pump station and new reservoir.

Work has also been completed on the booster pump station adjacent to the Mapua chemical site. Water service connections have been completed and the pump station has been commissioned.

### **6.3.3 Hamama Water Scheme**

The upgrade of the Hamama water scheme is to be carried out in conjunction with Hamama Road upgrade. The tender has been advertised and includes for the pricing of two pipe size options for the water main, 100 mm and 150 mm diameter. The tender closes 2 February 2005. The consultant employed by the scheme board, is to confirm the appropriate pipe size prior to tender acceptance.

### **6.3.4 Motueka Water**

The Thorp Street main has had a major break during the Christmas period. This caused the supply to be disrupted for a period of 4 hours.

#### **6.3.4 Redwood Rural Water**

The majority of work has been completed on the upgrade to the Redwood Rural Water Scheme. Maling Road and Golden Hills Road portions have been connected with cutovers completed.

#### **6.3.5 Coastal Pipeline**

##### **- Water Extraction**

The investigation work into the extraction bore site and potential water take continues and is almost completed.

##### **- Aqualinc**

Council's consultants for this part of the project have run several modelling scenarios which verify Council's earlier prediction on the availability of water. A draw down test is being conducted on the bore during the dry period of summer to assess the effect, if any, on neighbouring bores.

A draft investigation report on the well field has been received. As part of the application to extract water, Council may also need a variation to the Tasman Resource Management Plan. Council staff are working to ensure the application and TRMP Variation will be undertaken in parallel.

##### **- Pipework Reticulation**

The process to start and fix pipeline locations, reservoir and pumping station sites has had its initial meeting. Over the next few months this will gain momentum.

#### **6.3.6 Hydraulic Modelling – Data Capture**

Council has started the process of determining what reliable data it has in regard to its water assets in Richmond, Mapua, Brightwater and Wakefield. It has been determined what data is recognised as being satisfactory, and the tender documents have been prepared for the data capture exercise to gather the remaining data. The contract is currently out to tender. This data will be captured in a form that can be installed into Council's Asset Management (Confirm) database with the minimum of effort.

This data is needed for several reasons:

- to complete the data set presently held in Council's "Confirm" database.
  - This information is used for the basis of:
    - Calculating depreciation
    - Obtaining a true valuation of Council's assets
    - Establishing the GIS plans in Explore Tasman
    - upgrade existing records

- It is also to be used to model the water assets (reticulation) performance. Once the model is up and running, staff can better predict the desired pipe size and class of material to give best performance, cope with growth and have longevity.

It will also enable staff to predict what real effect future developments will have on existing infrastructure and identify what infrastructure will need replacing to allow development to continue and provide the level of service to our existing customers.

Ultimately all water supplies will be modelled.

### **6.3.7 Firewells in Motueka and Takaka**

Cleaning out of all wells at Takaka is now complete.

Work on clearing out Motueka firewells will commence shortly.

In early February 2005 the flow testing of all wells will commence.

### **6.3.8 Murchison Water Leakage Study**

Monitoring continues on the water use in Murchison. Early results indicate that daily usage is at an appropriate level, at approximately 450m<sup>3</sup>/day but lower than 550m<sup>3</sup>/day during similar months a year ago. The consent limit is 600m<sup>3</sup>/day. The breakages are commonly and regularly occurring in the 40mm lines. These are repaired quickly and associated water losses are minimal. Some further analysis is required to determine the economically feasible extent of replacement versus the ongoing maintenance costs of repair.

## **6.4 Stormwater**

### **6.4.1 Borck's Creek**

Negotiations are continuing with the new owners of the land needed for the widening of Borck's Creek adjacent to Lower Queen Street and Headingly Lane.

A design of the proposed works is being undertaken in an effort to enhance the ecology and capacity of the waterway.

### **6.4.2 Hydraulic Modelling – Data Capture**

A similar data capture/modelling exercise is being undertaken in the stormwater area as detailed in the water section (refer 6.1.5).

## **6.5 Wastewater**

### **6.5.1 Pohara Stage 3**

Ching Contracting Ltd have commenced work on site. The Hiawatha Lane rising main is completed. The pump station and mains at Three Oaks are complete and the contractor continues with work commenced prior to Christmas in Motupipi, before starting on portions in Park Avenue and Dodson Road.

### **6.5.2 Tapu Bay Crossing**

The section of new main under the Riwaka River was completed prior to Christmas. The section of main across the bay is now due for completion in February 2005.

### 6.5.3 Tapu Bay Pipeline Failure

On 2 January 2005 the old 200 mm diameter class B pipeline crossing the bay failed. The failure occurred between Pa Point and the Riwaka River. The pipeline was repaired during a very wet night in not ideal working conditions. The material spill was cleared up and an inspection the following day with an iwi representative was undertaken. Signs and a media release were issued about shellfish removal and were put in place until 11 January 2005.

### 6.5.4 Hydraulic Modelling – Data Capture

This work is progressing well.

### 6.5.5 Richmond Trunk Main

Work is progressing well to meet the March 2005 tender period.

### 6.5.6 Pohara Sewerage

Several problems occurred on the Pohara sewerage system over the Christmas period,

- the Pohara Valley sewerage pumping station overtopped with flood water from the adjacent watercourse;
- two breaks in the pumping main from the Delaney pumping station occurred.
- A break in the pumping main from the Sunbelt pumping station also occurred

### 6.5.7 Takaka Sewerage

The new pumping main from the Hiawatha Lane pumping station worked extremely well. The property on Commercial Street, Takaka that generally gets flooding during high loadings and wet weather had no effluent discharges.

## 6.6 Tenders

No	Contract Name	No tenders received	Successful tenderer	Amount \$	Highest Amount \$	TDC Estimate \$	Budget \$
638 <sup>1</sup>	Structural Bridge Repairs 2004/2005	2	Kidson Construction	156,267	169,454	202,635	

<sup>1</sup> Part only total bridge maintenance budget

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