

Report No:	RESC12-07-06
File No:	
Date:	2 July 2012
Information Only – no decision required	

REPORT SUMMARY

Report to: Engineering Services Committee
Meeting Date: 2 July 2012
Report Author: Gary Clark, Transportation Manager
Subject: Transportation Report

EXECUTIVE SUMMARY

This report details activities in the Transportation area.

RECOMMENDATION/S

That the report be received.

DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Transportation Report, RESC12-07-06.

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Report No:	RESC12-07-06
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Report to: Engineering Services Committee
Meeting Date: 19 July 2012
Report Author: Gary Clark, Transportation Manager
Subject: **Transportation Report**

1. Operations and Maintenance Contracts

1.1 Tasman Maintenance C757

The storm event on 6 June 2012 combined with a high tide and strong winds has created more work with clean-up of detritus and wind felled trees. Roads affected included:

- Stafford Drive at Ruby Bay was closed for a short time due to high tide depositing sand, gravel and other material across the road surface. This had to be cleared before the road was re-opened.
- Kina Peninsula Road, high tide and waves overtopped the rock protection and damaged a section of road as well as dumping material across the road surface.
- Kaiteriteri, high tide also did damage to beach frontage at Kaiteriteri Village dumping tons of sand from the beach on to the road and car parking area. The contractor spent a lot of time clearing up the storm damage.



1.2 Water table and flanking works have been completed on the following roads:

- Riwaka-Sandy Bay Road.
- Riwaka Valley Road.

1.3 Culvert replacement works have been completed on the following roads:

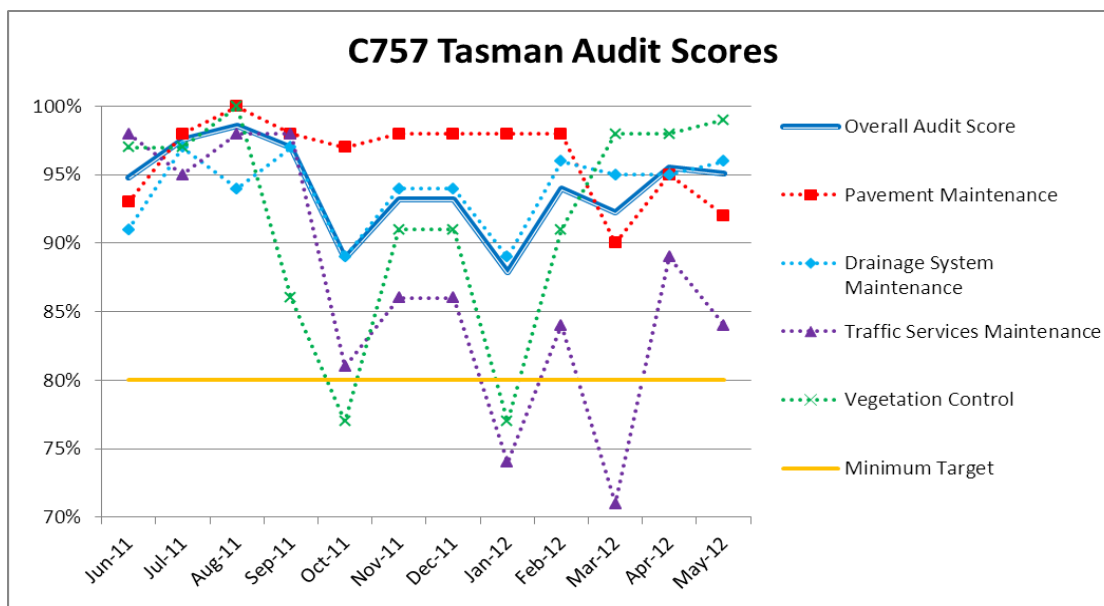
- Aporo Road replace culvert with larger diameter to help with flooding issues.
- Aranui Road new culvert and sump.
- Edwards Road install new culvert.
- Whakarewa Street install new soak pit.
- Riwaka Valley Road install new culvert.
- Riwaka-Kaiteriteri Road clean culvert outlet on foreshore.

1.4 Iwi monitors were required to stand over on work sites at Aranui and Riwaka-Kaiteriteri Roads.

1.5 As June is the final month of this contract a final inspection has been undertaken with Downer to identify any outstanding works or defects requiring tidy up before handover to the new contractor. Downer has generally been proactive in attending to issues. Final tidy up work comprises the following:

- Repairing sections of edge break and potholes.
- Repainting of some sign posts and safety rails.
- Clean-up of detritus including minor slips in water channels around Kaiteriteri.
- Aggregate supply and grading of unsealed roads.
- Vegetation mowing and spraying as required.

1.6 The results of recent MWH audits of the network condition are shown in the following chart.



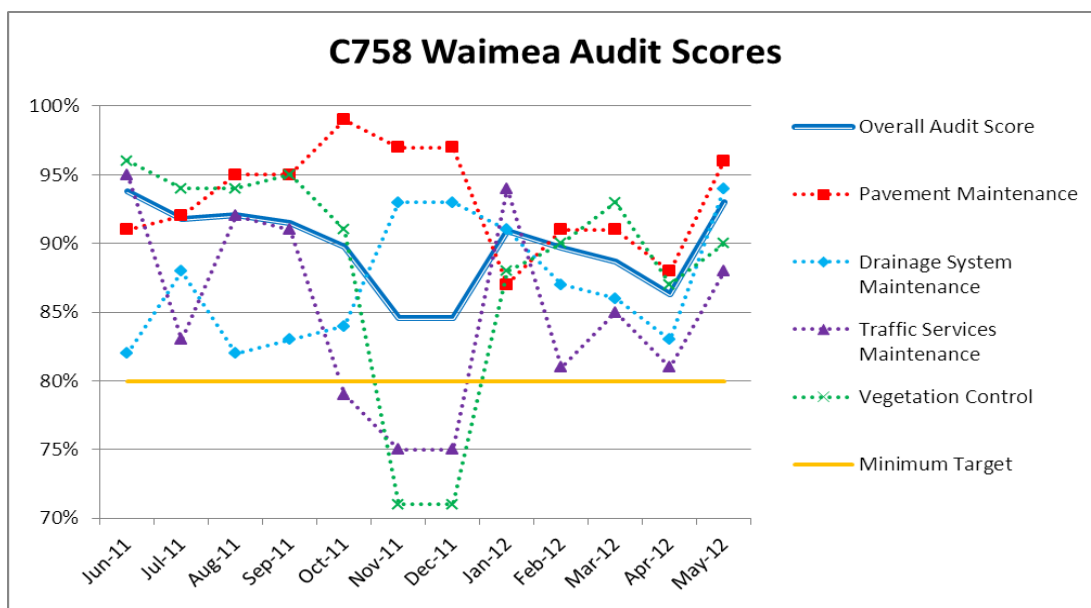
- 1.7 Reasonable scores were achieved across all areas. Traffic services maintenance has been marginal and very changeable and is greatly dependant on different audited sections.

2. Waimea Maintenance C758

- 2.1 May and early June have been very busy for the contractor with a combination of storm response for fallen trees and snowfall, a large amount of programmed drainage works and general network tidy-up as the contract period ends. The response to the snow and high winds on 6 June 2012 was extremely well managed and there were no issues with getting clean-up completed quickly.



- 2.2 The May programme mostly consisted of high-shoulder removal, flanking and water table cleaning on Motueka Valley Highway, Motueka River West Bank Road and Dovedale Road. This has yielded a great result.
- 2.3 Other tidy-up works completed in May include:
- Repairing sections of edge break.
 - Repaint of sign posts and safety rails.
 - Clean-up of detritus in water channels including slips.
 - Aggregate supply and grading to unsealed roads.
- 2.4 As June was the final month of this contract a final inspection was undertaken with Downer in early June to identify any outstanding works or defects requiring tidy up before handover to the new contractor.
- 2.5 The results of recent MWH audits of the network condition are shown in the following chart.



2.6 All main categories were above minimum target and improved noticeably in May compared with April.

2.7 Condition overall has been slowly decreasing over the last 12 months but, on average still remains above the minimum target. The decreasing trend is mainly related to issues with vegetation control and sign maintenance which is the contractor's focus as we approach the end of the contract in June 2012. An inspection in early June shows the contractor has made gains.

3. Golden Bay Maintenance C788

3.1 May has been a busy period for the maintenance contractor.

3.2 Normal maintenance activities had been undertaken during this report period as well as continued recovery works following the December flood event.

3.3 Items completed in May include:

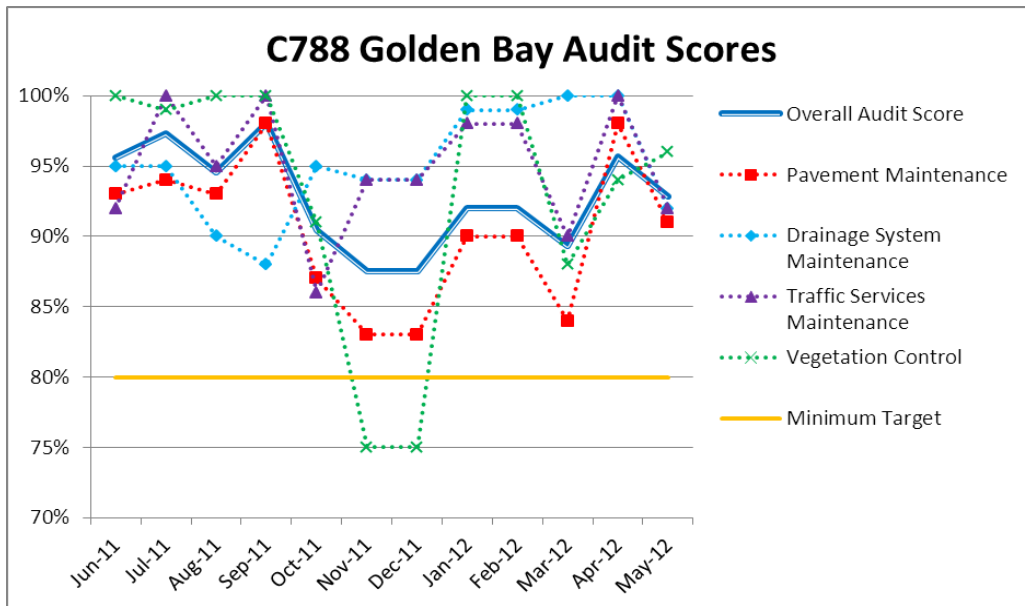
- Structural overlay – Aorere Valley Road.
- Maintenance metalling – Various roads across the network.
- Maintenance grading – Dry Road, Kaihoka Lakes Road, Cowin Road, Upper Takaka, Takaka, Bainham areas.
- Mowing – East Takaka area, Totaranui Road.
- Storm clean up – Collingwood-Puponga Road and Collingwood area.
- Cobb Road pre-reseal repairs.
- On-going flood repairs on Totaranui Road.

3.4 Items programmed for June include:

- Culvert renewals – Rameka Creek Road, Loop Road.

- Water table renewals – Long Plain Road, MacKay Pass Road.
- Sight rail – Glenview Road.
- Undertake any further recovery work required following the December 2011 floods.

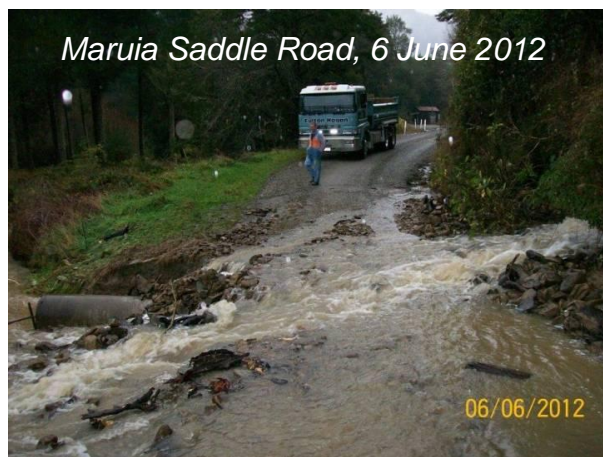
3.5 The results of recent MWH audits of the network condition are shown in the following chart.



3.6 The most recent MWH audit of the Golden Bay network indicated that the network, as a whole was in an acceptable standard and above the minimum requirement.

4. Murchison Maintenance C787

4.1 May has been very busy for the contractor with storm response for significant surface flooding, fallen trees, landslips, washed out culverts and snow fall. The response to the snow and flooding on 6 June 2012 was well managed and there were no issues with getting clean-up completed, although the scale of the damage caused meant that this was not a quick task.





4.2 Items completed in May include:

- Culvert renewals – Pointon, Matakītaki and Maruia West Bank Roads.
- Maintenance metalling and grading.
- Bridge signing.

4.3 Items programmed for June include:

- The continuing damage repair and clean-up from the flooding and washouts will last throughout June and possibly into July. The storm response has meant that some programmed works have been delayed until next year.
- Slip repairs to Tutaki South and Matakītaki Roads.

4.4 The results of recent MWH audits of the network condition are shown in the following chart. All audited items were well above the minimum target requirements. Good overall audit score.

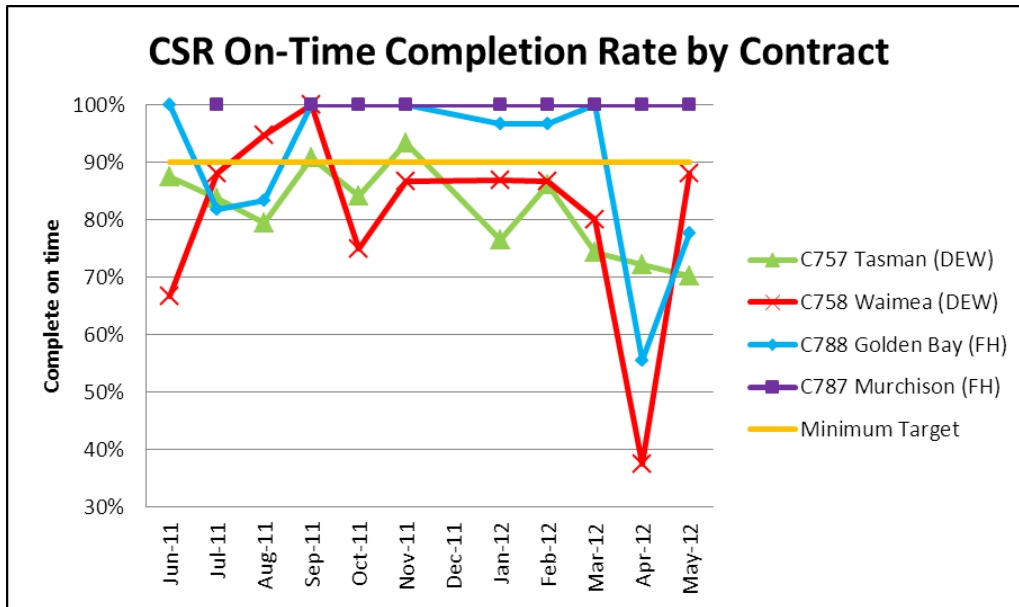
5. Customer Service Requests

5.1 The On time/Late numbers of CSRs are shown in the table below.

	C788 Golden Bay (FH)			C787 Murchison (FH)		
	On time	Late	Total	On time	Late	Total
May	7	2	9	6	0	6

	C757 Tasman (Downer)			C758 Waimea (Downer)		
	On time	Late	Total	On time	Late	Total
May	52	22	74	22	3	25

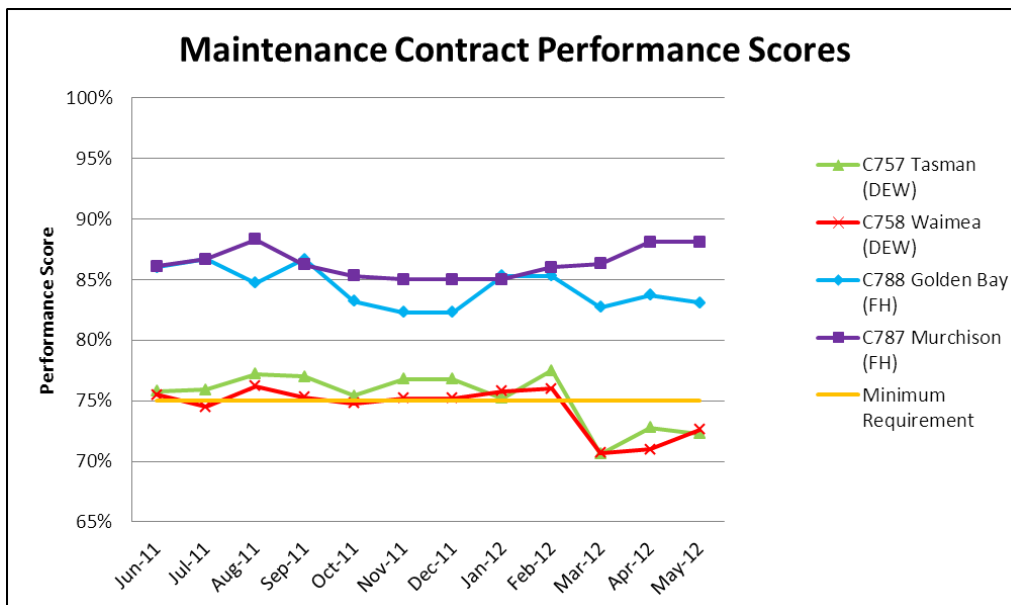
5.2 CSR completion rates over the four contracts are summarised in the following graph.



5.3 Contract 787 Murchison was the only contract that met the performance targets for CSR on-time completion in May. Tasman, Waimea and Golden Bay were all below target. This has been raised with the respective contractors.

5.4 Performance Scores

Based on MWH audits of the contractor’s maintenance work, systems and overall contract delivery, the following graph tracks the Performance Score Summary over the four contract areas.

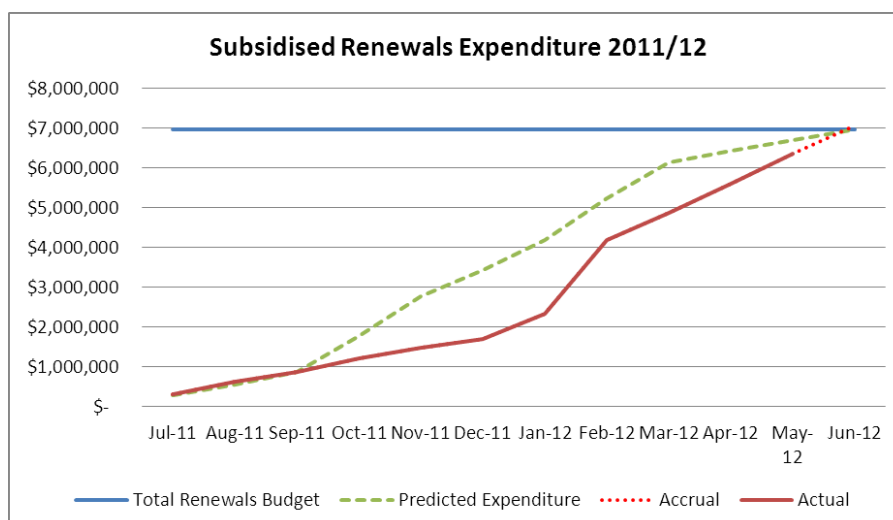
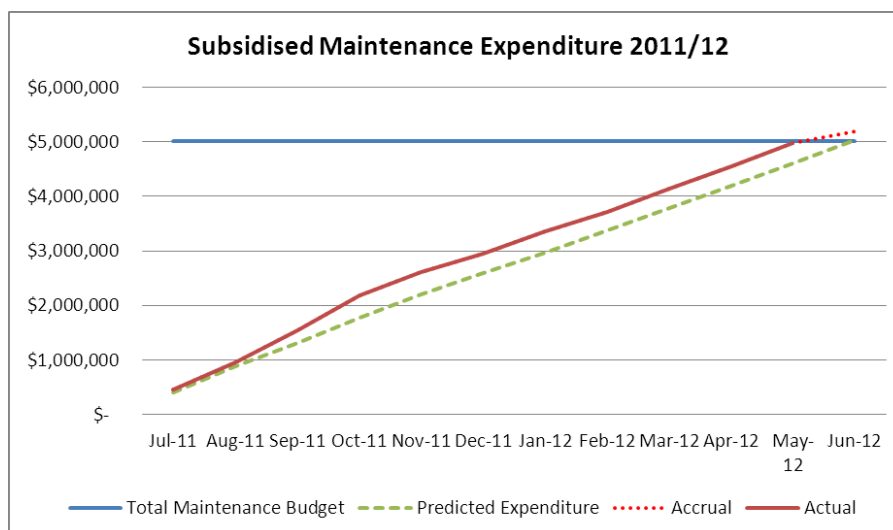


5.5 Tasman and Waimea were below the minimum requirement again in May.

6. Financial

6.1 Subsidised maintenance and renewal expenditure is on track to meet or slightly exceed budget. This is being managed closely through to the end of financial year with regular meetings between Council staff, MWH staff and the contractors.

6.2 Maintenance expenditure is likely to be 3% over budget mainly due to higher than expected costs for environmental maintenance including slips, frost/ice and fallen trees. MWH have signalled to the New Zealand Transport Agency that an Emergency Works Claim for the 6 June 2012 snow and flood event will be made to offset some of the over-expenditure on environmental maintenance. The recent transfer of funds from low volume seal extension budget (\$60,000) will be used to provided the local share for the NZTA claim.



7. C844 Street Light Maintenance

- 7.1 Powertech continue to perform well with all CSRs completed on time in May.
- 7.2 Routine lamp replacements are complete for Brightwater, Murchison, St Arnaud, Tapawera, Wakefield and Golden Bay.
- 7.3 Minor street light upgrades/renewals for Brightwater Underpass, Hollis Place and Charlotte Lane are complete. Greenwood Street upgrade and West Avenue renewal work is due to start and will be complete by the end of June 2012.

8. Bridge Maintenance

8.1 C790 Bridge Structures Maintenance

A small amount of extra maintenance funds has become available for painting of bridge handrail elements under C790. This work has been completed.

- 8.2 Contract 790 finishes on 30 June 2012. There are still outstanding maintenance items requiring attention which have been deferred until additional funds become available in the next financial year. It is recommended that a new bridge maintenance contract is developed to cover the next three years. The new bridge contract will be re-structured with lessons learnt from C790.

8.3 December 2011 Flood – Bridge Repairs

Flood repair work to bridges in the Golden Bay and Waimea areas were priced competitively and awarded based on the lowest conforming price. Work has been completed for three of the bridges.

- Sandhill Creek Bridge on Cowin Road – Slumping of road approach. A new retaining structure is required to retain the approach. A site inspection has been carried out and options for repair will be sent to Tasman District Council to consider.
- Morley and Young Bridges on Collingwood Puponga Road – Minor scour erosion to the approach banks requires a small amount of rock armour to prevent further erosion and protect the road approach. Fulton Hogan is currently pricing the work to be done under the maintenance contract.

8.4 Bridge Scour Repairs Not as a Result of the December 2011 Event

- Anglesey Bridge (484301) on Tadmores-Glenhope Road – scour undermining of the true left abutment. New concrete underpinning and

rock protection work was awarded to Adcock and Donaldson and completed in May 2012.

- Glenhope Stream Bridge (486801) on Moonlight Road – Washout of true left upstream bank. Rock armour is proposed to stabilise the bank and road approach. Prices have been received from two contractors. Repair work will proceed in the next financial year.

8.5 C864 Bridge Structural Repairs 2011/12

All scheduled work in the tender was completed on 31 May 2012. A practical completion certificate has been issued with additional minor footbridge repairs still to be undertaken. This final minor repair work will be completed before 30 June 2012.

8.6 Bridge Signage

Seventy-one bridges located in the Murchison and Tapawera areas have had bridge signs installed at each approach. This work was carried out by Fulton Hogan as a variation to their maintenance contract.

8.7 Bridge Inspections

All bridge inspections have been completed and the 2011/12 bridge inspection report has been submitted to Tasman District Council.

9. C851 Sealed Road Resurfacing 2011/14

- 9.1 The original tender schedule length for Contract 851 totalled 55.4km of resurfacing sites for 2011/12. The revised list totalled 53.2 km due to deferrals relating to programmed utility projects and subdivision work conflicts. Downer completed this revised list by due date for completion of 29 February 2012.
- 9.2 Due to cost efficiencies revealed through the treatment selection process and available budget it was agreed to bring forward sites from the 2012/13 programme to match the remaining budget. The revised length totalled 60.1km with all work programmed to be completed by 4 May 2012. The programme is 100% complete.
- 9.3 The total length of resurfacing completed District-wide (C851 doesn't include Golden Bay) will measure 68.3km which is a slight increase on the 2009/12 Land Transport Programme average of 63km per annum. This increase in length is to maintain the overall network integrity in light of the reduction in rehabilitation completed in the last three years.

10. Rivers Report

10.1 Annual River Maintenance Programme

This report covers works completed in the March/April 2012 period.

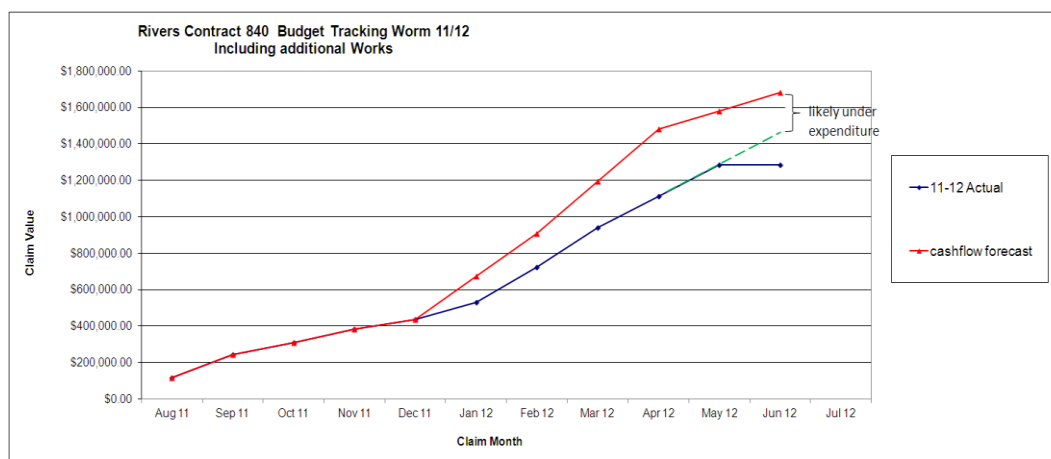
10.2 Annual Operating Maintenance Programme (AOMP)

The new river maintenance contractor Taylors Contracting is still tracking behind their predicted fall of expenditure graph with May's claim of \$171,000.

10.3 Although progress has improved for the second part of the year it is still not at the level of the contractor's forecasted programme of works. The contractor was slow to resource up to the required levels in the first six months of the contract and is now unable to meet the AOMP budget requirements.

10.4 The total expenditure on the AOMP to the end of May 2012 was \$1,285,437 out of a total allocated budget of \$1,671,355. Going by the present rate of progress the estimated claim for June 2012 is likely to be around \$170,000 with an estimated total expenditure on the AOMP of \$1,460,000 for the financial year which is \$200,000 short of the budget as shown by the following graph.

10.5 Although additional time has been spent in assisting to get the programme back on track, shorter days and winter conditions have impacted on the contractor's ability to increase the work output.



10.6 The main focus of work in the report period has been as follows:

- Rock Bank protection – Aorere, Kaituna, Riwaka, Sherry and Tadmor Rivers as well as Little Sydney Stream.
- Crack Willow Management – Lower Motueka and Wai-iti Rivers.
- Chemical Spraying – Tadmor, Upper Motueka and Waimea Rivers.
- Stopbank mowing - Lower Motueka area.

10.7 December Flood Repairs

10.8 Aorere River Contract 830

The main contract variation works on the property at Bainham has now been completed. There are some minor works to be carried out on two properties to complete all works on this contract. The date for completion is programmed for 15 June 2012.

10.9 River Z Works

- Waingaro River - D Powell - Rock has been carted to site and will be placed as soon as Taylors Contracting excavator becomes available.
- Anatoki River – Rainbow Community - Work is due to commence in relocating gravel from the left bank beach and placing on the right bank to reinforce old gabion works.
- Rameka Creek – Various Landowners - An initial site inspection has been undertaken with Philip Drummond. Further individual site visits will be undertaken to discuss application for River Z assistance.

10.10 There have been three new River Z applications for Council funding assistance for the period.

10.11 General

Winter weather has now arrived with works in the rivers tapering off as access to river sites becoming more difficult due to ground conditions and shorter working hours.

11. Projects Update

11.1 **Kaka Beak Sculpture** – This is a shared project between Engineering and Community Services. The work was completed on Thursday 28 June 2012 with the placing of the sculptures for the unveiling on Sunday 1 July 2012. The contractor, Independent Kerb & Concrete did a great job completing the work prior to the unveiling even though the transporting of the sculptures was threatened by snow earlier in the week.

11.2 **Riwaka Kaiteriteri Road New Footpath** – This contract was awarded to Fulton Hogan and is due to start shortly. The new path will extend along the estuary side of Riwaka-Kaiteriteri Road from Martin Farm Road up to Rowling Road. A flyer has been sent to all affected residents including those in the surrounding area with a very positive response.

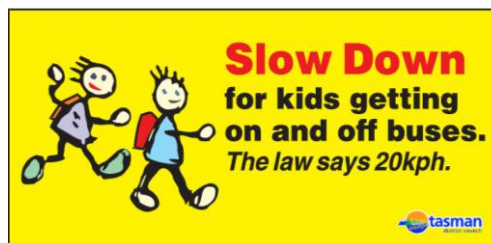
11.3 **Martin Farm Road Footpath** – This work has been delayed due to adverse weather conditions but will be completed this month.

- 11.4 **Kina Beach Road pathway** – This work was completed in June by Concrete & Metals and involved a short section of rock placed to support a bench formed in the steep roadside berm.
- 11.5 **Footpath Rehabilitation Contract** – This contract was undertaken by CJ Industries of Motueka. The works have been completed with sites undertaken in Rototai Road outside Golden Bay High School, various sections on High Street Motueka, Kaiteriteri-Sandy Bay Road at Kaiteriteri above the boat ramp carpark, Ruby Bay along Stafford Drive, Salisbury Road in front of Waimea Intermediate close to the College bus bay, Gilbert Street, Wensley Road south of Surrey Road and finally several bad sections in the CBD area of Queen Street and Cambridge Streets.
- 11.6 **Pukekoikoi (Turners Bluff)** – The only work completed during June was the archaeological exploration of two bluffs north of Pukekoikoi near Tapu Bay. These two bluffs were investigated for two reasons, one being as a bulk fill site if required for the work at Pukekoikoi and the second is that in future they will be cut away with the alignment of the Riwaka-Kaiteriteri Road. A separate report has been prepared for the Committee on alignment options and funding matters.
- 11.7 **Queen Street Lighting Upgrade** – This work is being undertaken by Council's street lighting contractor Powertech Nelson. The new LED lights have been ordered from Phillips NZ after the nominated supplier went into liquidation. The new poles are on order and the new locations have been potholed with only one clash found with a small diameter rider main that can be easily rerouted. The work is programmed to be completed in early September 2012.
- 11.8 **Collingwood Streetscaping** – This project is being undertaken by the Golden Bay Community Board and involves consultation on a future streetscape concept which will enable Council to alter parking and arrange for some planting of street trees in the near future. New bins have also been ordered similar to those used in Queen Street to replace the old wooden slat pedestal bins which need replacement. The concept plan has been developed for the long term plans for improving this area. The first part will consist of new road markings and some trees.
- 11.9 **Aranui Road Upgrade** – This work is underway and being undertaken by CJ Industries. Ducts are presently being laid for future Telecom and power undergrounding upgrades. The project is expected to be completed in late August 2012.
- 11.10 **Russ' Corner Improvement** – This site is at the intersection of the Moutere Highway/Waimea West and Golden Hills Roads. The proposal is to install a

rural roundabout which will permit large vehicles to negotiate whilst providing clear travel pathways and reduce conflict. The affected landowners have all been approached as in some cases land will require purchasing involving small areas of corner splays to provide minimum sight distances. Lighting and signage will also be upgraded at the same time. We are looking at cost effective solution to address the crashes occurring at this inthersection.

12. Road Safety

- 12.1 Two different campaigns have been run with several local schools in regard to the issues of speed past schools and school buses.
- 12.2 Both Lower Moutere School and Central Takaka School have designed a series of signs with words and photos of their students to highlight speed outside their school. These are to be in place at the start of Term 3 and will include some local media coverage and articles in the school newsletters.
- 12.3 Also at the start of Term 3, four other schools will have signs put up near the school frontage to remind drivers of the law regarding passing a stationary school bus at 20km/hr. These signs can be moved to other schools throughout the school year.



12.4 Motorbikes

The last motorbike training courses have been held for the 2011-2012 financial year. During this financial year 18 courses were run with a total of 122 riders of all ages, abilities and on all types of bikes, attending. Of these 18 courses eight were for scooter riders, five were for intermediate riders and five were for advanced riders. Evaluations from all the courses have been assessed and showed that over the year positive feedback was received and all riders showed that they learnt new skills and thought the course was extremely worthwhile. A full copy of this report is available on request.

- 12.5 The current contract for the motorbike training courses expired on 30 June 2012. At the time of writing a tender process is underway to contract a motorbike training supplier from 1 July 2012.

13. Coastal Structures

13.1 The storm event on 6 June 2012 caused damage across a number of coastal structures including rock walls, beaches and navigational aids along the coastline. The cost of repairs is currently being assessed.

13.2 Reports on Jackett Island erosion project and Motueka groyne removal have been prepared separately.

13.3 Staff are still working with submitters with regard to the renewal of the consent for the Broadsea Avenue Rockwall. This consent application was fully notified and is likely to go to a hearing. Our application seeks to maintain the wall and authorise the existing structure to expire at the same time as the new rock for the Old Mill walkway.

13.4 The floating pontoon at Mapua Wharf will be formally opened on 22 July 2012. The Mapua Boat Club is organising the opening and the celebration around this new facility.

14. Tenders

14.1 The following tenders was awarded:

No.	Contract name	No. of tenders	Successful tenderer	Amount	Highest amount	Council estimate	Budget for this item	Comment
878	Riwaka – Kaiteriteri Road Footpath	5	Fulton Hogan	\$114,502	\$142,127	\$117,000	\$131,926	Tender accepted.

15. RECOMMENDATION

15.1 That the report is received.

16. DRAFT RESOLUTION

16.1 THAT the Engineering Services Committee receives the Transportation Report, RESC12-07-06.