

Report No:	RESC12-02-02
File No:	
Date:	18 January 2011
<b>Information Only – No decision required</b>	

## REPORT SUMMARY

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

### EXECUTIVE SUMMARY

This report details activities in the Transportation area.

### RECOMMENDATION

That the report be received.

### DRAFT RESOLUTION

**THAT the Engineering Services Committee receives the Transportation Report, RESC12-02-02.**

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## 1. Operations and Maintenance Contracts

### 1.1 Tasman Maintenance – C757

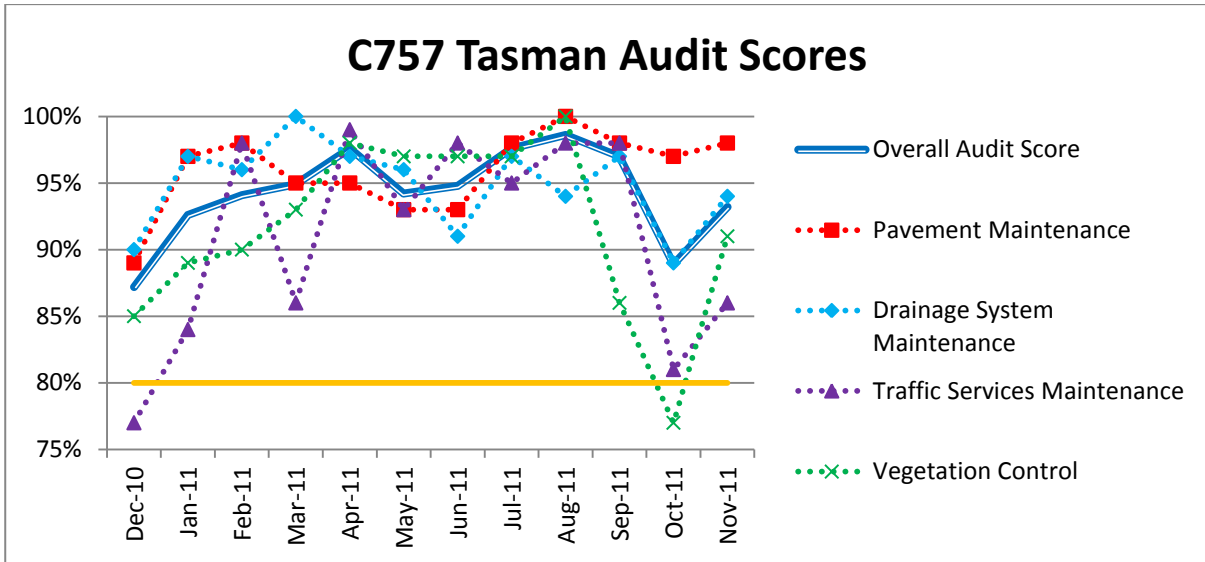
Items completed in November and December 2011 include:

- 1,120 m<sup>2</sup> of sealed pavement repairs at Edwards Road, Higgs Road, Coppins Lane, Riwaka-Kaiteriteri Road, Eggers Road, Little Sydney Road, Moutere Highway, Sunrise Valley Road, Aniseed Valley Road, Harley Road, Queen Victoria Street, Tudor Street, Swamp Road, Riwaka Valley Road, Rush Lane and Hill Street South.
- 334km of mowing.
- 4km of grading.
- Completion of partial remark (various sites at Moutere Highway, Main Road Lower Moutere, King Edward Street, Queen Victoria Street, Kaiteriteri loop).
- Motueka Quay cul de sac improvements to turning area at end of cul de sac.
- Motueka Quay tree roots levelling.
- Wills Road re-metalling last 200m of road.
- Shoulder flanking and drainage works Neudorf Road.
- Shoulder Works – Chamberlain, McBrydie, Queen Victoria Streets.
- Flood cleanup from storm event 14 and 15 December 2011.

1.2 Items underway and/or programmed for completion in January-February 2012 include:

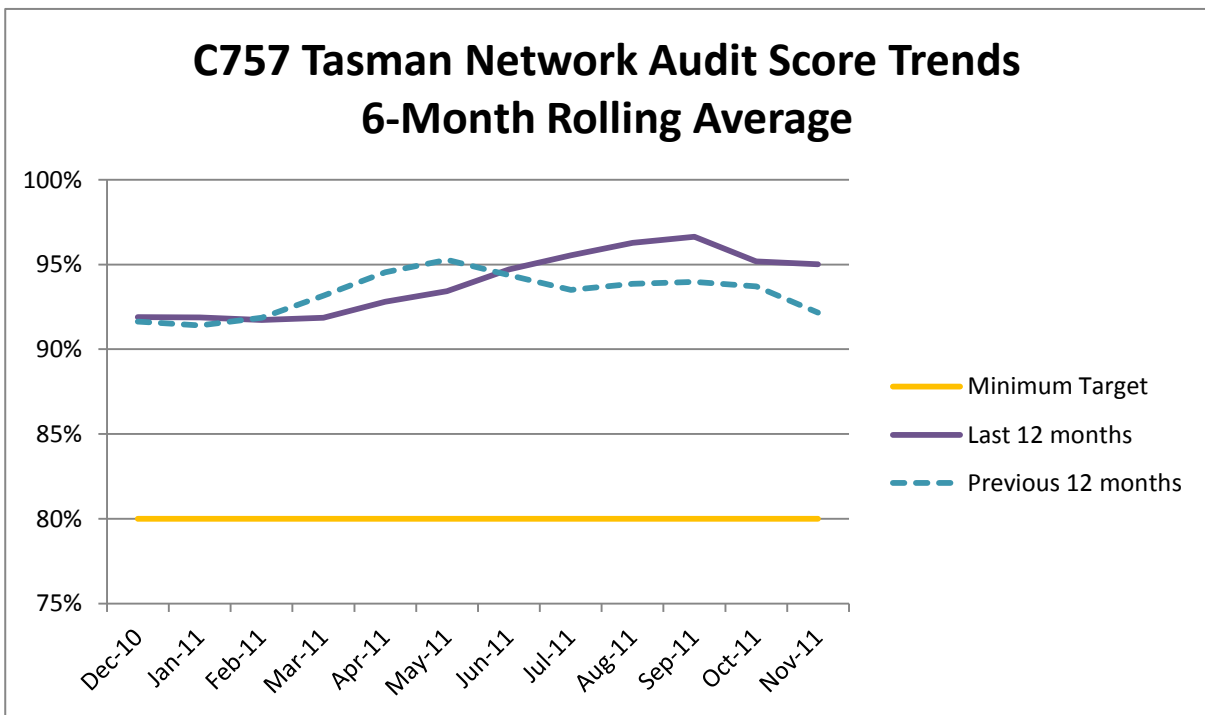
- Continuing pre-reseal repairs for 12/13 reseal sites.
- Further cleanup and repairs of damage caused by December storm with a strong focus on the drainage network.

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



1.4 At the time of preparing this report scores were not available for December due to workload from the storm event.

1.5 The following graph is new and shows the trend in overall audit scores over the last 12 months as a six-month rolling average. It is included to show the overall trend in network condition as measured by compliance with contract specifications with the rolling average smoothing out known seasonal/climatic variations such as vegetation growth and effects of wet weather on pavements.



1.6 This shows in the network condition trending upwards during 2011 and generally better than in 2010 (dashed line). This reflects the overall improvement in the Contractor's performance during 2011.

**2. Waimea Maintenance – C758**

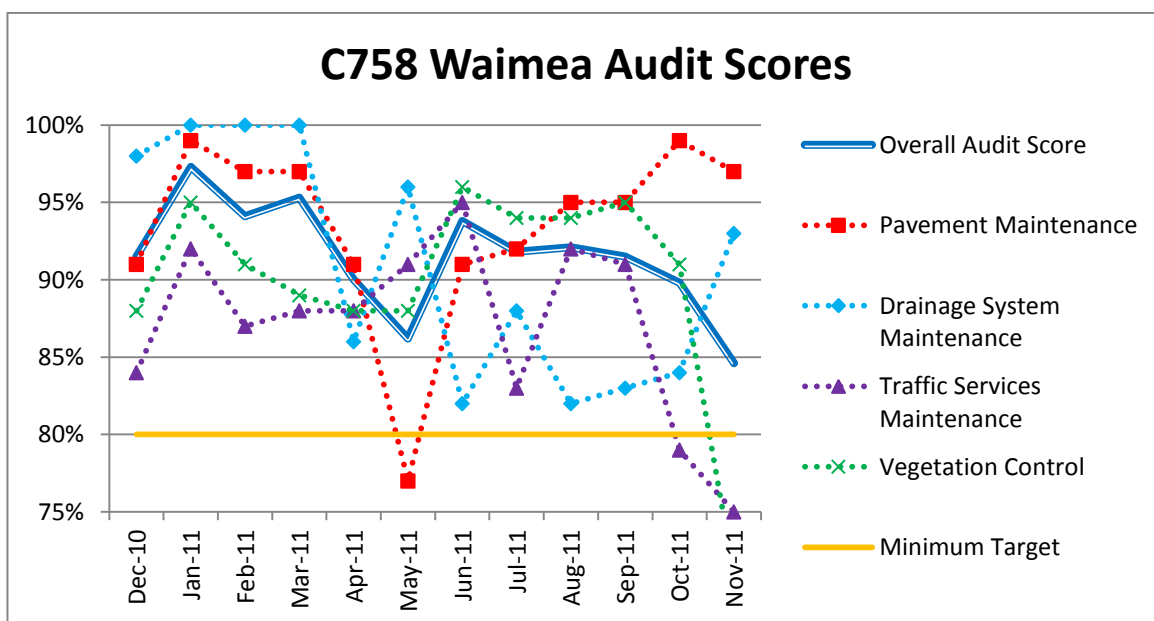
2.1 Items completed in November and December 2011 include:

- 3,120 m<sup>2</sup> of sealed pavement repairs at Motueka River West Bank Road, Motueka Valley Highway, Thorpe-Orinoco Road, Tadmor Valley Road, Kerr Hill Road and Waiwhero Road.
- 200km of mowing.
- Motueka Valley Highway culvert replacements and repairs.
- Drainage inlet structures construction at Stock Road.
- Shaggy Road drainage improvements and heavy metalling in advance of logging operations.
- 71km of grading.
- Completion of partial remark (various sites at Motueka Valley Highway, Neudorf Road, Korere-Tophouse Road).

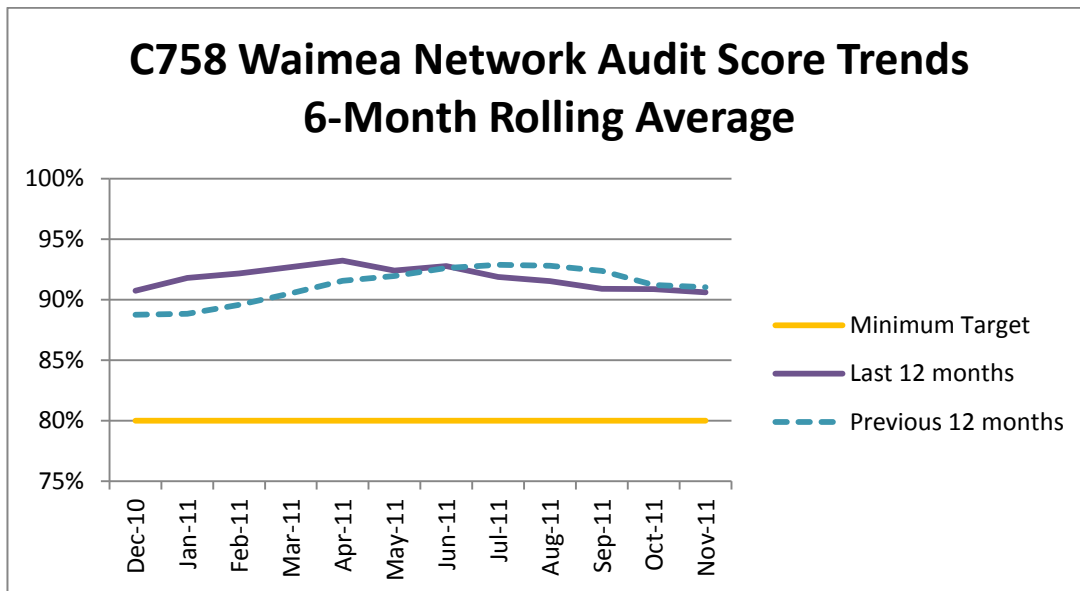
2.2 Items underway and/or programmed for completion in January-February 2012 include:

- Continuing pre-reseal repairs for 12/13 reseal sites.
- Further cleanup and repairs of damage caused by December storm with a strong focus on the drainage network.

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



- 2.4 Traffic services maintenance did not meet the minimum target in November. This is mainly due to dirty edge marker posts requiring cleaning. The contractor is addressing this issue. Vegetation control has suffered as growth has been vigorous through spring and early summer with ongoing damp conditions.
- 2.5 At the time of preparing this report, scores were not available for December due to workload from the storm event.
- 2.6 The following graph shows the trend in overall audit scores over the last 12 months, as a six-month rolling average. It is included to show the overall trend in network condition as measured by compliance with contract specifications, with the rolling average smoothing out known seasonal/climatic variations such as vegetation growth, and effects of wet weather on pavements.



- 2.7 Condition overall has been fairly steady during the last 12 months.

### 3. Golden Bay Maintenance – C788

- 3.1 Items completed in November and December 2011 include:
- Totaranui Road widening works.
  - Canaan Road and Aorere Valley Road unsealed structural overlays.
  - Various pavement repairs including pre-reseal repairs throughout the network.
  - Repair the Aorere Bridge sight rail on Collingwood-Puponga Road.
  - Various culvert inspections and replacement of culvert marker pegs.
  - Various watertable cleaning.
  - Installing new, and repairing/replacing various wind/vandal/vehicle damaged signs, and painting of sign posts.
  - Emergency response to December floods within Golden Bay.

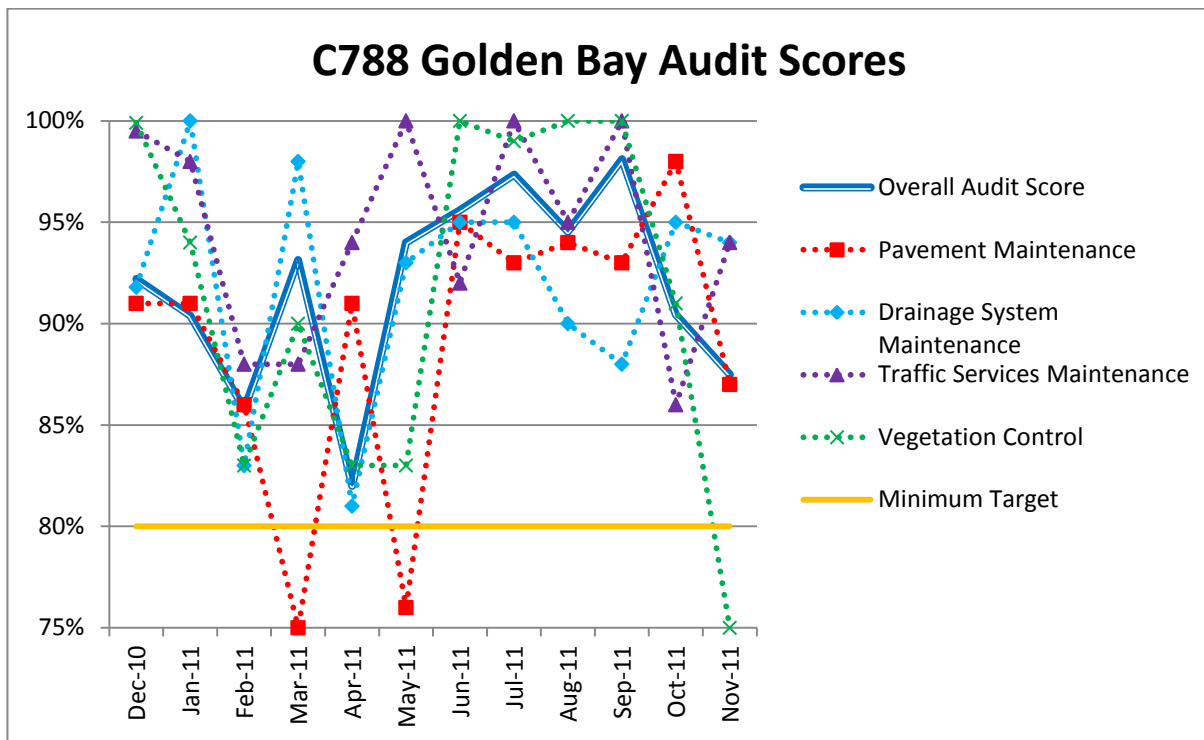
3.2 Items not completed during this period include:

- Installation of culvert pipes along East Takaka Road. This has been re-programmed.

3.3 Items programmed for January and February 2012 include:

- Continue on pre-reseal repairs.
- Undertake any further emergency work required following the December 2011 floods.

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



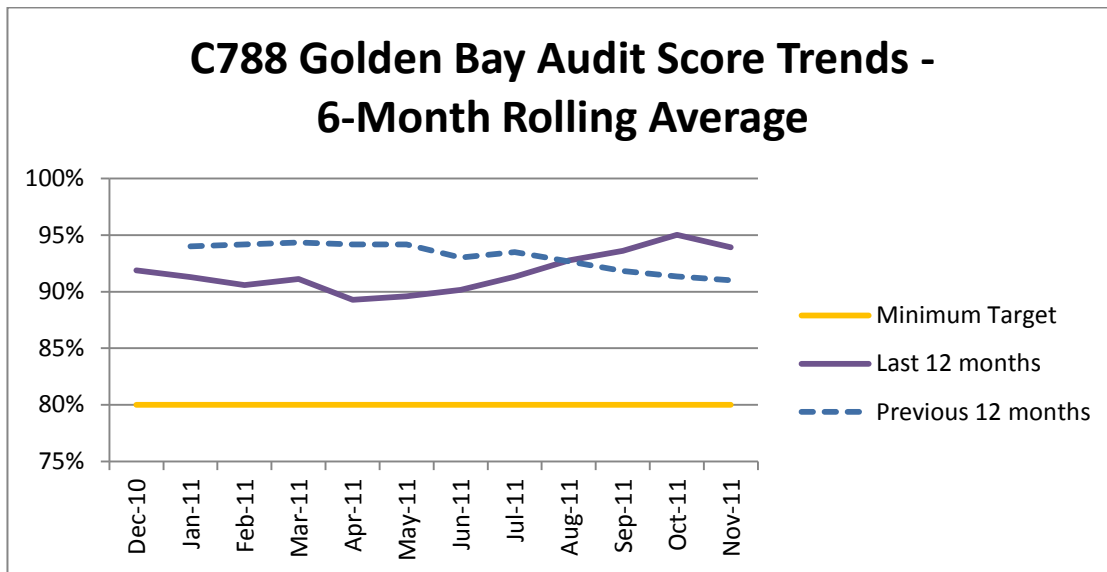
3.5 The most recent MWH audit of the Golden Bay network in November 2011 indicated that the network, as a whole, was in an acceptable standard.

3.6 Vegetation mowing was the only item that was not up to standard over the audited sections of the network, due to mechanical breakdowns. This was addressed by the contractor by sourcing a third mower to allow a catch-up before the Christmas break.

3.7 At the time of preparing this report, scores were not available for December 2011 due to workload from the storm event.

3.8 The following graph shows the trend in overall audit scores over the last 12 months, as a six-month rolling average. It is included to show the overall trend in

network condition as measured by compliance with contract specifications, with the rolling average smoothing out known seasonal/climatic variations such as vegetation growth, and effects of wet weather on pavements.



3.9 The network condition has generally been trending upwards during 2011, reversing a downwards trend from the previous 12 months.

#### 4. Murchison Maintenance – C787

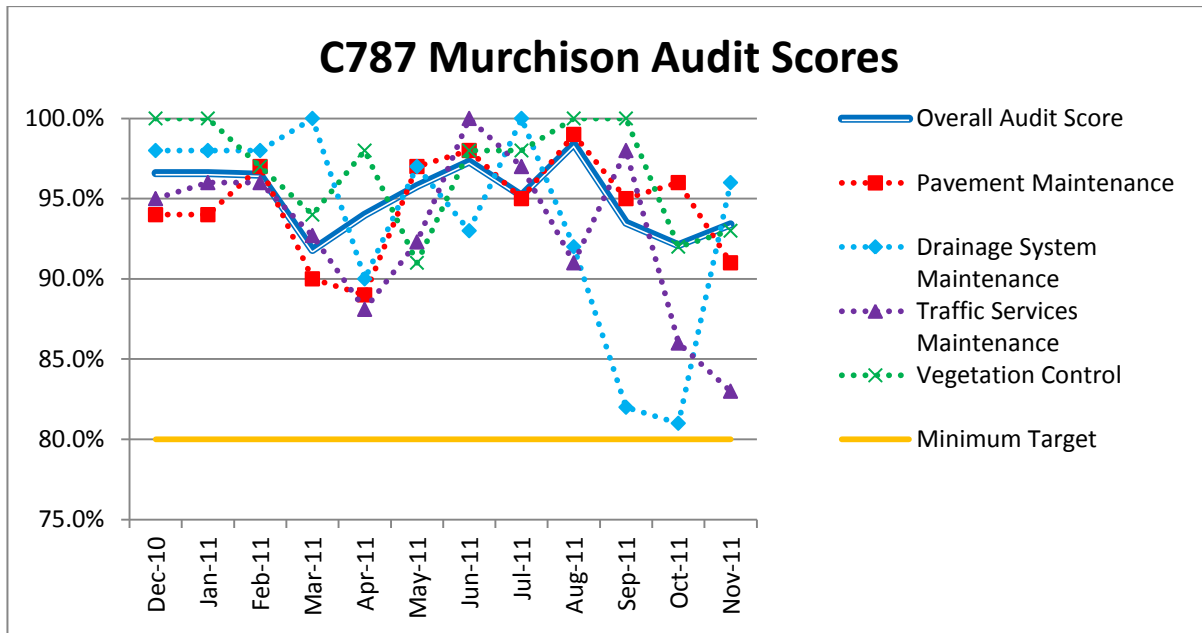
4.1 Items completed in November and December 2011 include:

- 138km of mowing.
- 114km of grading.
- 600m<sup>3</sup> of maintenance metalling.
- 102km of vegetation spraying.
- 3km of watertable cleaning.
- Matiri Valley Road pavement repairs following damage caused by trucks carting rock.
- Cleanup and repair of damage caused by intense rain and flooding on 21 and 23 November 2011 (total estimated costs \$155,000). A claim for emergency funding has been requested from NZTA.

4.2 Items underway and/or programmed for completion in November-December 2011 include:

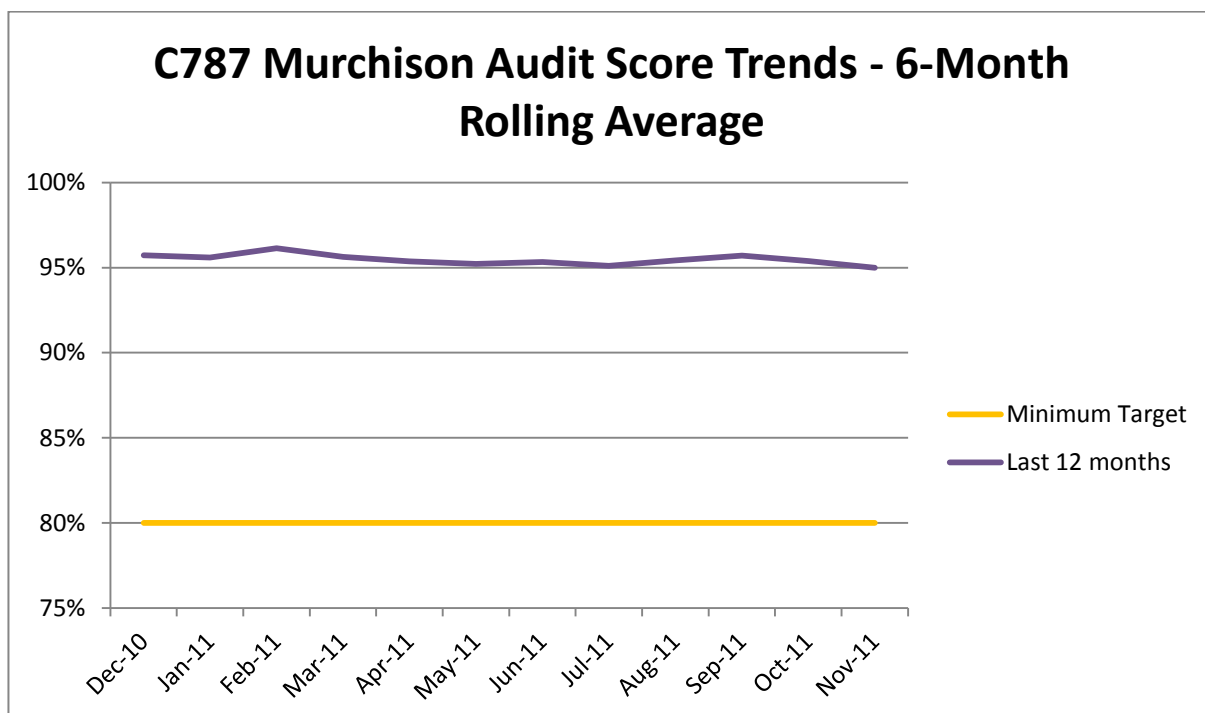
- Cleaning and repainting various sight rails and signposts.
- Tutaki Road South pavement repairs and drainage improvements.
- Gowan Valley Road drainage work.

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



4.4 All audited items met the minimum target requirements. The traffic services score was affected by dirty sign posts requiring cleaning and/or painting; the contractor has programmed maintenance in January.

4.5 The following graph shows the trend in overall audit scores over the last 12 months, as a six-month rolling average. It is included to show the overall trend in network condition as measured by compliance with contract specifications, with the rolling average smoothing out known seasonal/climatic variations such as vegetation growth, and effects of wet weather on pavements.

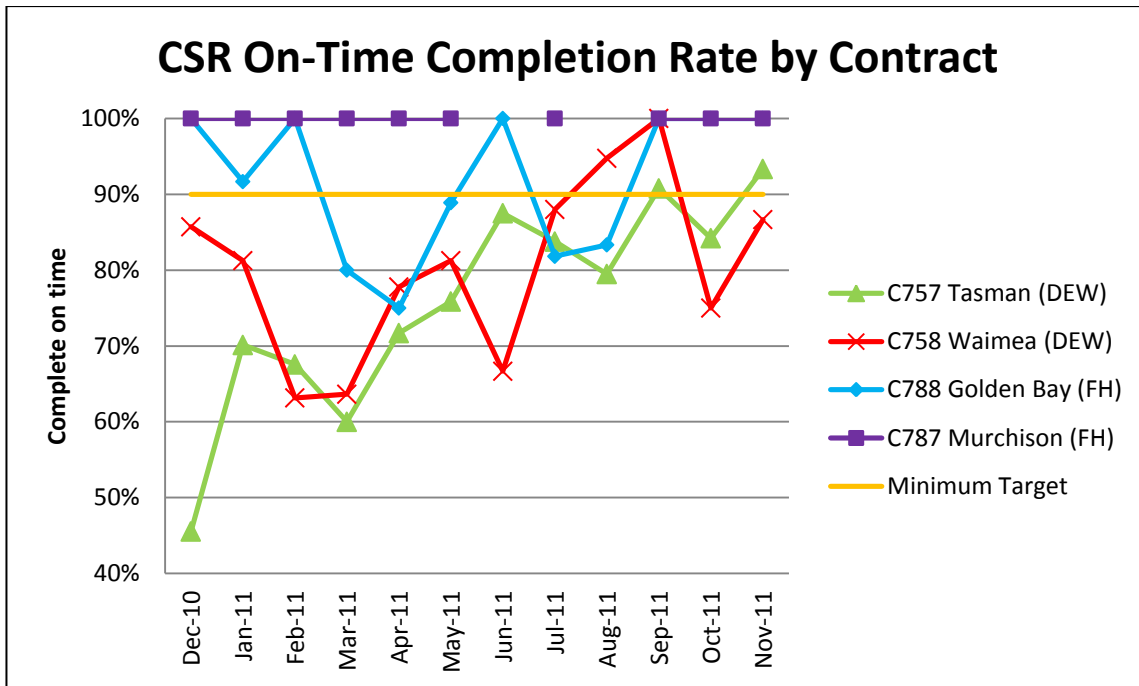




4.6 The Murchison network audit score trend has been steady during the last 12 months.

**5. Customer Service Requests**

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



5.2 Performance targets for CSR on-time completion were met for all contract areas in November, except for Waimea which achieved 87%. At the time of preparing this report, data for December 2011 was not available.

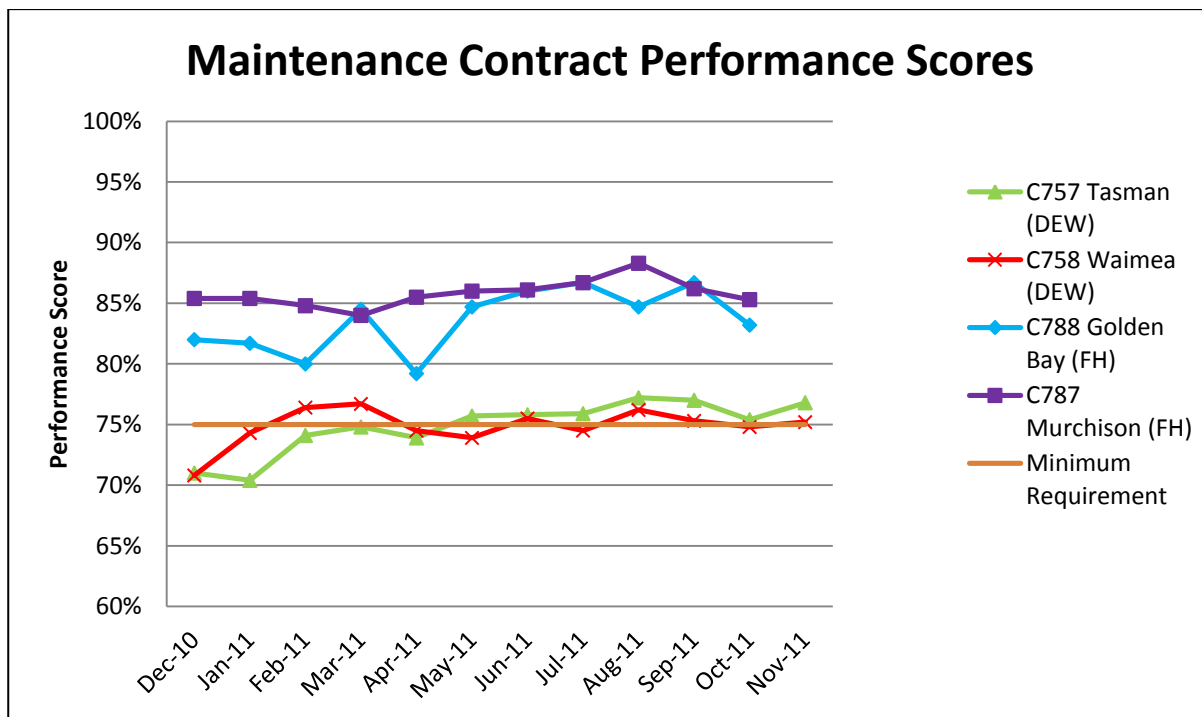
5.3 The numbers of CSRs are shown in the table below.

Month	C788 Golden Bay (FH)			C787 Murchison (FH)		
	On time	Late	Total	On time	Late	Total
Oct-11	4	0	<b>4</b>	9	0	<b>9</b>
Nov-11	3	0	<b>3</b>	1	0	<b>1</b>

Month	C757 Tasman (Downers)			C758 Waimea (Downers)		
	On time	Late	Total	On time	Late	Total
Oct-11	64	12	<b>76</b>	9	3	<b>12</b>
Nov-11	56	4	<b>60</b>	13	2	<b>15</b>

## 6. Performance Scores

6.1 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.

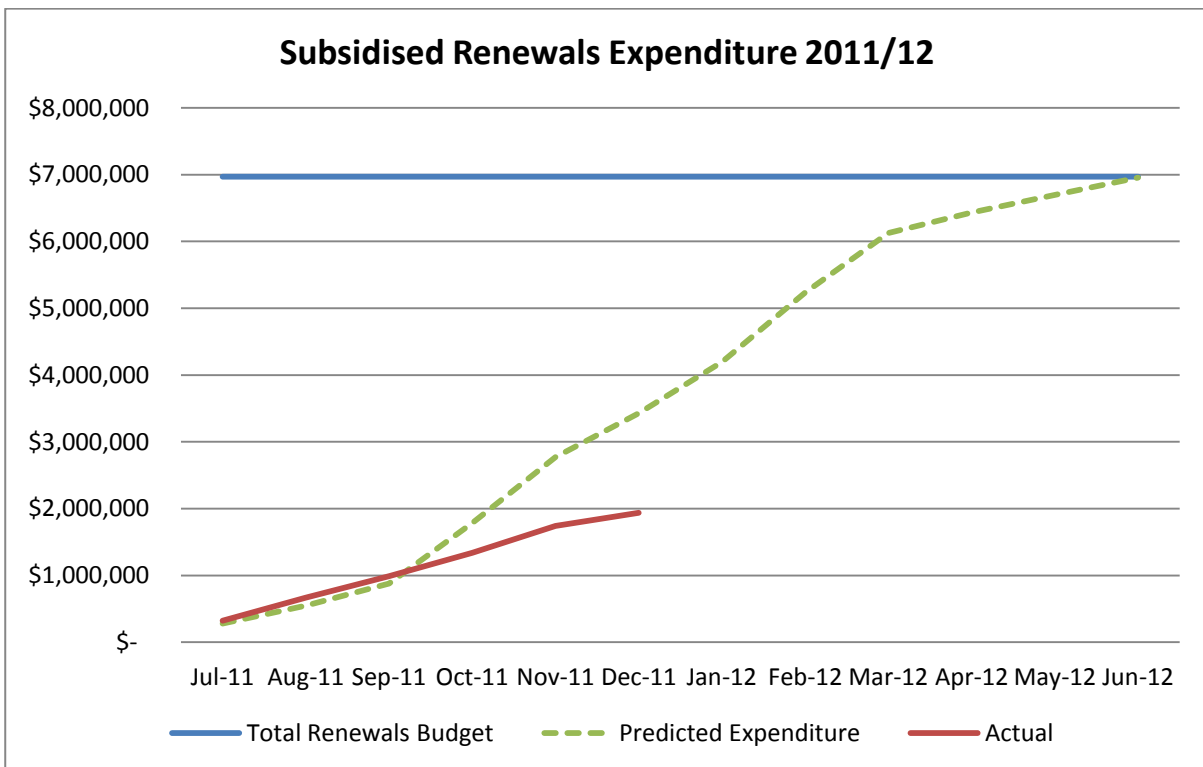
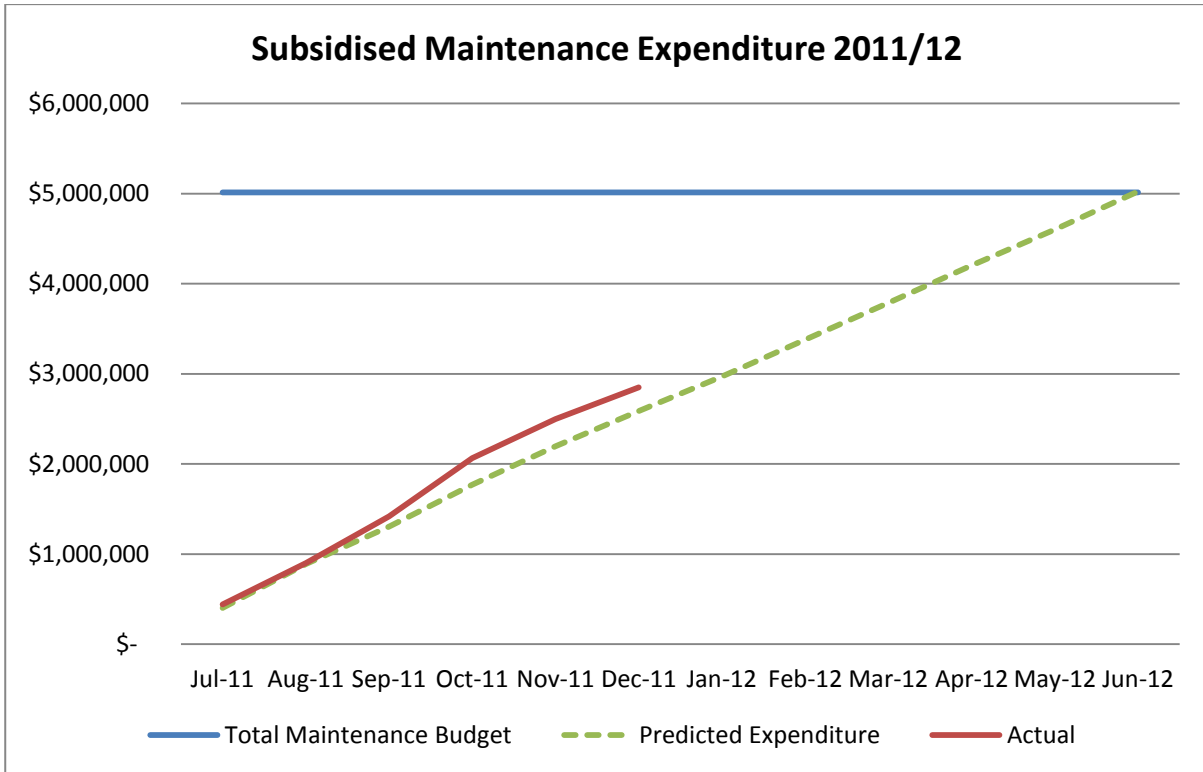


6.2 All contracts have scored above the minimum performance target of 75% in November. Timeliness and contract management performance in Golden Bay and Murchison has kept these performance scores above Tasman and Waimea. Scores for December 2011 were not available at the time of preparing this report.

6.3 It should be noted that Contracts 757 and 758 did not meet the minimum requirements for automatic rollover. As previously provided to the Committee, Downers have written saying they would not continue with Contracts 757 and 758 after 30 June 2012.

## 7. Financial

7.1 The following graphs show expenditure progress against the estimated expenditure profiles for the 2011/12 financial year for the subsidised maintenance and renewals budgets. Maintenance expenditure is tracking slightly ahead of the estimated budget spend. Renewals are tracking below the position predicted at the beginning of the financial year, due mainly to wet weather affecting particularly the resealing programme. Contracts are in place for renewals work, and physical works completion will ramp up in early 2012 for reseals and pavement rehabilitations.



7.2 Staff are expecting to meet the budget requirements with regard to maintenance and operations. It should be noted that the costs associated with the December 2011 weather event may have an impact on these budgets.

## **8. Street Lighting – C680**

- 8.1 Powertech continues to perform well with all CSRs completed on time.
- 8.2 Powertech will commence the routine lamp replacements for satellite townships in January 2012. Motueka and Richmond areas will be done in the following financial years respectively.
- 8.3 A meeting was held between Council and Network Tasman staff to discuss street light asset ownership and reporting requirements. A report format has been agreed upon and implemented. Further work is required to clarify issues and processes around Network Tasman owned assets.

## **9. Bridge Structures Maintenance – C790 and Bridge Structural Repairs 2011-2012 – C864**

- 9.1 The status of Contract 790 has not changed since the previous report where we reported non-critical bridge maintenance was being deferred due to the lack of sufficient budget. The only additional work to bridges since the previous report has been the repair of several bridges which had damage to the timber handrails as a result of vehicle impacts.
- 9.2 The Bridge Structural Repairs 2011/12 draft tender 864 has been completed and is undergoing review. Originally this work was to be tendered out in late November and awarded before Christmas. Delays to the release of this document were a combination of compliance issues and budget constraints which resulted in a number of the intended repair works being deleted from the tender. Contract 864 will be tendered in January 2012 with a completion date set for 31 May 2012.

## **10. Road Safety**

### **10.1 Look out for zebras!**

A back to school campaign is being planned for the first two weeks of the school term. This will involve several Tasman schools along with some zebras, zebra balloons and zebra cut-outs. There will be radio promotion during the event as well as local media attention. Dates and times are to be finalised but any Councillors who wish to be involved should contact Krista Hobday.

### **10.2 Motorbikes**

Three scooter courses are planned for the first two months of 2012; one for progressive riders and one on-road for advanced riders. All courses are fully booked. If budget allows, more courses will be offered during March 2012.

10.3 A report is being prepared to evaluate the scooter courses which is a joint project with the NZ Police. The aim was to provide training for scooter riders in preference to the Police issuing an infringement. The final report will be made available to Councillors.

10.4 The first college to change their vehicle policy to ensure that all students that ride a scooter or motorbike to college take part in training before they are given a pass, has been achieved. Further colleges will now be approached. After the training course the Police will carry out enforcement around the college's location to ensure compliance.

### **10.5 Bike Wise 2012**

#### **Go by Bike Day**

These are being held at various locations in the district and anyone out and about on their bike on the morning will receive a free breakfast snack.

- Takaka – Wednesday, 15 February 2012 – outside The Quiet Revolution Cycle Shop, 7.30am - 9.30am
- Murchison – Wednesday, 15 February 2012 – outside the Tasman District Council offices on Fairfax Street, between 8.30 and 9.30am
- Richmond – Wednesday, 15 February 2012 – outside Village Cycles on Queen Street, between 7.00am and 9.00am

### **10.6 Bike Wise challenge**

The Bike Wise Challenge runs during the month of February 2012. This is a free competition open to any organisation (business, school or other organisation) in New Zealand with the aim to get as many colleagues to ride a bike for just 10 minutes or 2 km some time in February 2012. Winners are calculated on the percentage of participation in their department or organisation (based on the total number of staff/members in the organisation). To register or find out more go to the Bike Wise website [www.bikewise.co.nz/bike-wise-challenge](http://www.bikewise.co.nz/bike-wise-challenge)

### **10.7 Family Fun Rides**

- Motueka – Saturday 25 February 2012  
The ride starts at the skate park on Old Wharf Road at 1pm. There are two routes so will suit those just starting out and those who can cycle a longer distance.
- Takaka – Sunday 4 March 2012  
The ride starts at Central Takaka School at 1pm. Cyclists will cycle together to the East Takaka Domain and then can cycle back at their leisure to the school
- Richmond – this event is yet to be confirmed due to lack of funding from Nelson City Council.

## 11. Rivers

### 11.1 Annual River Maintenance Programme

This report covers works completed in the October/November 2011 period.

### 11.2 Annual Operating Maintenance Programme (AOMP)

Taylor's Contracting Company Ltd has now been engaged in the AOMP work programme for approximately five months with progress now tracking behind schedule based on an average monthly expenditure of the total AOMP budget of \$1,721,829.

11.3 The total expenditure on the AOMP to the end of November 2011 was \$384,086 which represents 22% of the AOMP programme completed and approximately \$280,000 behind schedule.

11.4 The contractor has been given the option to amend their programme to meet the annual works programme but have failed to provide this information to date.

11.5 We have requested Taylor's Contracting Company Ltd to increase the monthly work output but they have been generally slow to respond.

11.6 Wet weather has also impacted on the work programme.

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

- Rock bank protection – Lower Motueka and Moutere Rivers.
- Crack willow removal – Dove and Wai-iti Rivers.
- Mechanical clearing – Dove River.
- Riparian plants – Aorere, Dove, Moutere, Riwaka and Upper Motueka Rivers.
- Stopbank mowing – Lower Motueka River.

### 11.8 December 2010 Flood Repairs

There are still two small flood damage repairs on the Aorere River 'Y' classified areas that need to be completed.

11.9 Approximately 60% of the original variation schedule to the Aorere River Flood Damage Contract 830 has been completed. An amended variation schedule for the reconstruction of wire roped spur groynes on one of the properties at Bainham has been priced with work scheduled to start on 16 January 2011 providing a resource consent is issued.

11.10 An island on the Aorere River has been aerially sprayed for vegetation control.

11.11 The Wangapeka Flood Damage Repairs (Contract 853) that are being undertaken by Taylors Contracting Ltd have been delayed through resource consent issues as well as significant floods during the construction period which resulted in further flood damage. Sections of this contract have been completed.

11.12 The Murchison Flood Damage Repairs (Contract 852) was awarded to Ferguson Brothers Ltd with work commencing on 31 October 2011. Excellent progress has been made on this contract with all the original scheduled works being completed within the contract time. During the construction period further flood damage occurred due to a high flood level in the Matakītiki River. Ferguson Brothers Ltd are presently undertaking additional works to this contract involving the Buller and Owen Rivers.

### **11.13 River Z Application**

We have received a further three applications for Council funding assistance mainly relating to previous flood damaged works. The River Z budget has been committed with all the December 2010 events.

### **11.14 General**

The weather generally has been unsettled with elevated river levels making it difficult to carry out bank protection works with some significant floods being recorded. Subsequent annual events in 2011 in the Aorere River have led to further problems with recent rock protection works.

11.15 The river maintenance contractor continues to remove rubbish dumped in rivers.

### **11.16 2011 December Flood**

There has been minimal damage to the fully maintained River X and Y maintenance areas, however significant damage has occurred in River Z areas.

## **12. Jackett Island Erosion – Port Motueka Groyne**

12.1 The Environment Court delivered a costs decision on 22 December 2011 in the matters between Tasman District Council and the B&M Van Dyke Family Trust. Legal and expert witness costs totalling \$244,124 were claimed by the trustees of the Van Dyke Family Trust. The Court's decision has awarded costs in the amount of \$189,000 to the Trust. The Trust seeks an award of further additional costs and expenses of \$252,197. The Court has directed the parties to try and resolve the matter of expenses through Court-assisted mediation.

12.2 Some high tides and winds early in the new year have required Council to carry out some remedial works on 23/24 January in order to reinstate parts of the interim holding works (sand bag wall) that are currently protecting the Van Dyke

Family Trust property. Monitoring of the Jackett Island shoreline and any necessary maintenance of the interim works will be ongoing.

12.3 Consent applications have been lodged for the removal of the Port Motueka geotextile groyne and are being processed by Council's consent team. Clarification on several matters is currently being addressed. As soon as the necessary consents are obtained Council will action a programme to undertake groyne removal work.

12.4 The programme of investigation works is currently underway to help establish what practicable solution there is to the erosion at Jackett Island and the subsequent undertaking of that work. LiDAR, topographic and bathymetric surveys have all recently been completed. Tidal water level measurement and sand sampling and analysis are currently in progress, and are being carried out in conjunction with numerical modelling and water current monitoring.

12.5 Consultation on the Preliminary Practical Options presented to the last Committee meeting is scheduled with two separate meetings to be held in early February with the Port Motueka Users Group, and the Jackett Island landowners. A presentation was also made to update the Tiakina te Taiao board on 19 January 2011. The Department of Conservation is also being separately advised of progress.

### 13. Tenders

13.1 Tenders awarded since the last Committee meeting:

No.	Contract name	No. of tenders	Successful tenderer	Amount	Highest amount	Council estimate	Budget for this item	Comment
843	Yellow Pine Bridge Replacement	5	Skye Construction Ltd	\$438,132.35	\$582,963.00	\$570,000.00	\$570,000.00	Tender accepted
847	Awaroa Bridge Replacement	3	-	-	-	-	-	Project on hold due to flood event
850	Pavement Rehabilitations 2011 – 2012	4	Fulton Hogan	\$559,583.70	\$601,092.20	\$614,434.00	\$816,787.00	Tender accepted

### 14. Recommendation

14.1 That the report is received.

### 15. Draft Resolution

**15.1 THAT the Engineering Services Committee receives the Transportation Report, RESC12-02-02.**