

Report No:	RESC11-08-02
File No:	
Date:	26 July 2011
<i>Information Only – no decision required</i>	

REPORT SUMMARY

Report to: Engineering Services Committee
Meeting Date: 4 August 2011
Report Author: Gary Clark, Transport 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 RESC11-08-02.

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Report No:	RESC11-08-02
File No:	
Report Date:	9 June 2011
<i>Information Only – no decision required</i>	

Report to: Engineering Services Committee
Meeting Date: 4 August 2011
Report Author: Gary Clark, Transport Manager
Subject: Transportation Report

1. OPERATIONS AND MAINTENANCE CONTRACTS

1.1 Tasman Maintenance Contract 757

1.2 Items completed in May and June include:

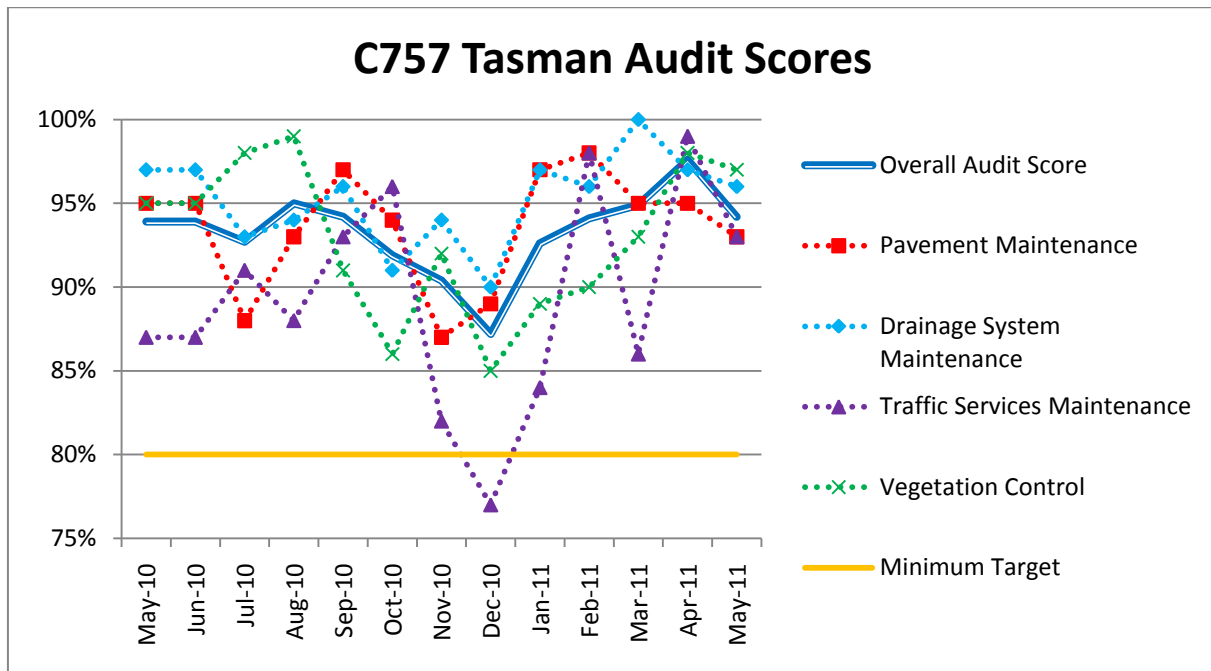
- significant flood damage repairs following persistent wet weather;
- unsealed metalling programme (5,000m³) completed;
- 213.6km of mowing;
- 72.5km of grading;
- 18.8km of ice gritting;
- drainage improvements at Upper Moutere store; and
- beginning of delineation upgrade along Moutere Highway.

1.3 Items underway and/or programmed for completion in July-August 2011 include:

- Mt Heslington Road culvert replacement;
- completion of AC levelling at Lower Queen Street;
- frost gritting and CMA application;
- watercutting at flushing sites (2,400m² programmed);
- completion of delineation upgrade along Moutere Highway; and
- completion of flood damage cleanup and repairs.

1.4 Contract cost fluctuation provisions mean contract rates will increase by 5.4% from 1 July 2011.

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



1.6 The overall network condition based on audit samples is well above minimum targets and generally shows a continuation of good maintenance.

1.7 At the time of preparing this report, audit scores for June were not available

1.8 Waimea Maintenance C758

1.9 Items completed in May and June include:

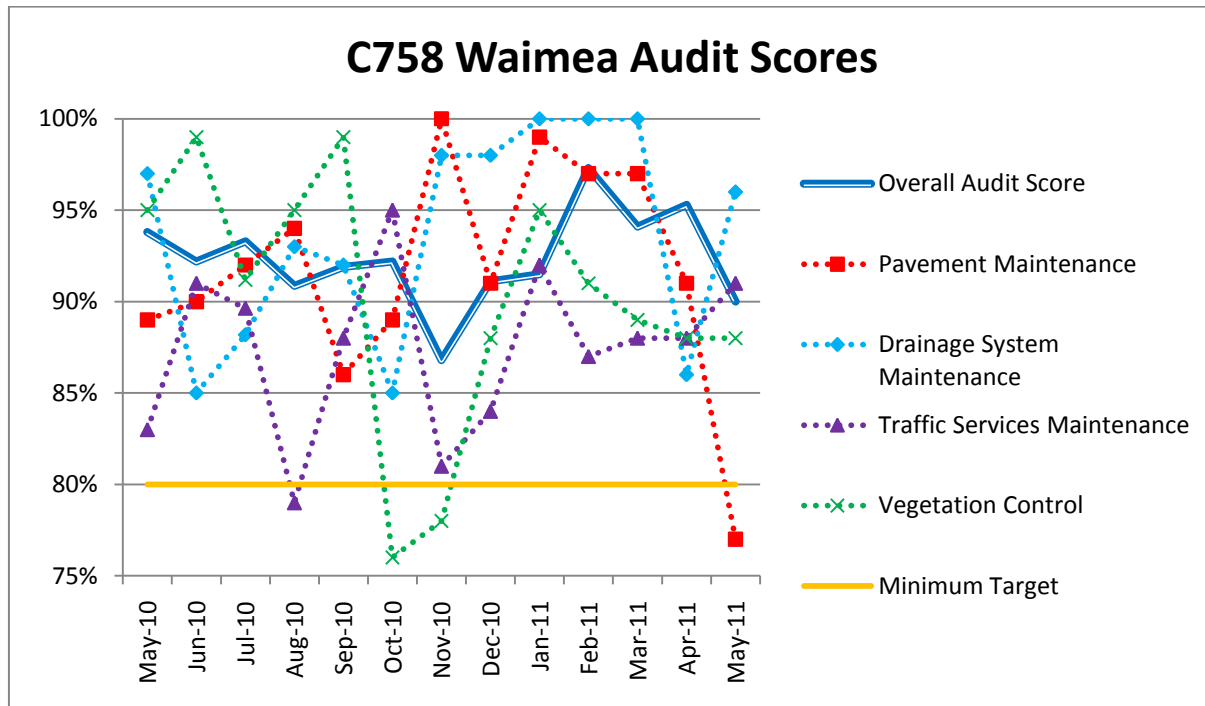
- significant flood damage repairs following persistent wet weather;
- unsealed metalling programme (13,000m³) completed;
- 78.4km of mowing;
- 293.3km of grading;
- 38.2km of ice gritting; and
- beginning of delineation upgrade along Motueka Valley Highway.

1.10 Items underway and/or programmed for completion in July-August 2011 include:

- frost gritting and CMA application;
- watercutting at flushing sites (560m² programmed);
- completion of delineation upgrade along Motueka Valley Highway; and
- completion of flood damage cleanup and repairs.

1.11 Contract cost fluctuation provisions mean contract rates will increase by 5.4% from 1 July 2011.

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



1.13 The overall network condition based on audit samples is above minimum targets, although pavement maintenance audit score has reduced significantly in May primarily due to the effects of prolonged wet weather. The contractor has responded by mobilizing an extra crew to deal with potholes on unsealed roads.

1.14 At the time of preparing this report, audit scores for June were not available.

1.15 Golden Bay Maintenance C788

1.16 Items completed in May and June include:

- 33.6km of mowing;
- 175.4km of grading;
- 24.4km of ice gritting;
- unsealed metalling programme (4,600m³ placed);
- pest plant spraying along various roads;
- stormwater sump cleaning;
- structural gravel overlays along MacKay Pass Road and Pupu Valley Road;
- delineation upgrade along Abel Tasman Drive;
- Bird Road slip reinstatement repairs (following the December heavy rain event);
- fish passage upgrade at one culvert on Abel Tasman Drive; and
- flood monitoring during heavy rain during both May and June.

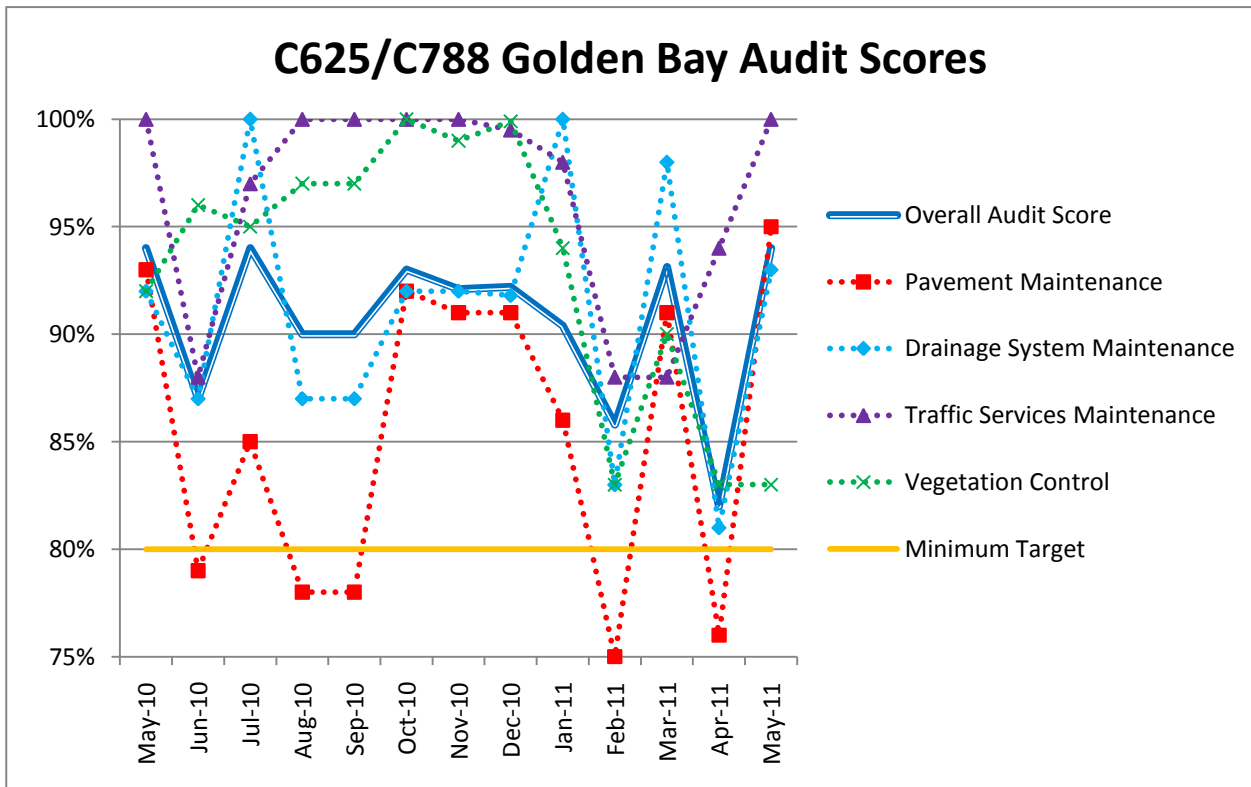
1.17 Items not completed during this period.

- Soak Pit upgrades to Selwyn Street and Abel Tasman Drive have been delayed due high water tables. This will be re-programmed when the water table drops enough for installation to be undertaken.

1.18 Items programmed for July-August include:

- culvert upgrades to undersized pipes along McCallum Road;
- pavement repairs to reseal sites;
- drainage improvements along Packard Road;
- Glenview Road intersection pavement and drainage repairs; and
- preparation and seal gravel migration areas.

1.19 The most recent MWH audit of the network condition in May indicated that the network as a whole was in an acceptable standard. The contractor responded to the previous poor audit score for pavement maintenance and improved condition of these particularly addressing corrugations and potholes on unsealed roads. Vegetation maintenance has flat-lined compared to previous audit, but this was due to some back country roads requiring a high cut due to overhanging plants. The contractor has these roads programmed in the coming weeks under routine mowing maintenance.



1.20 At the time of preparing this report, audit scores for June were not available.

1.21 Murchison Maintenance C787

1.22 Items completed in May and June include:

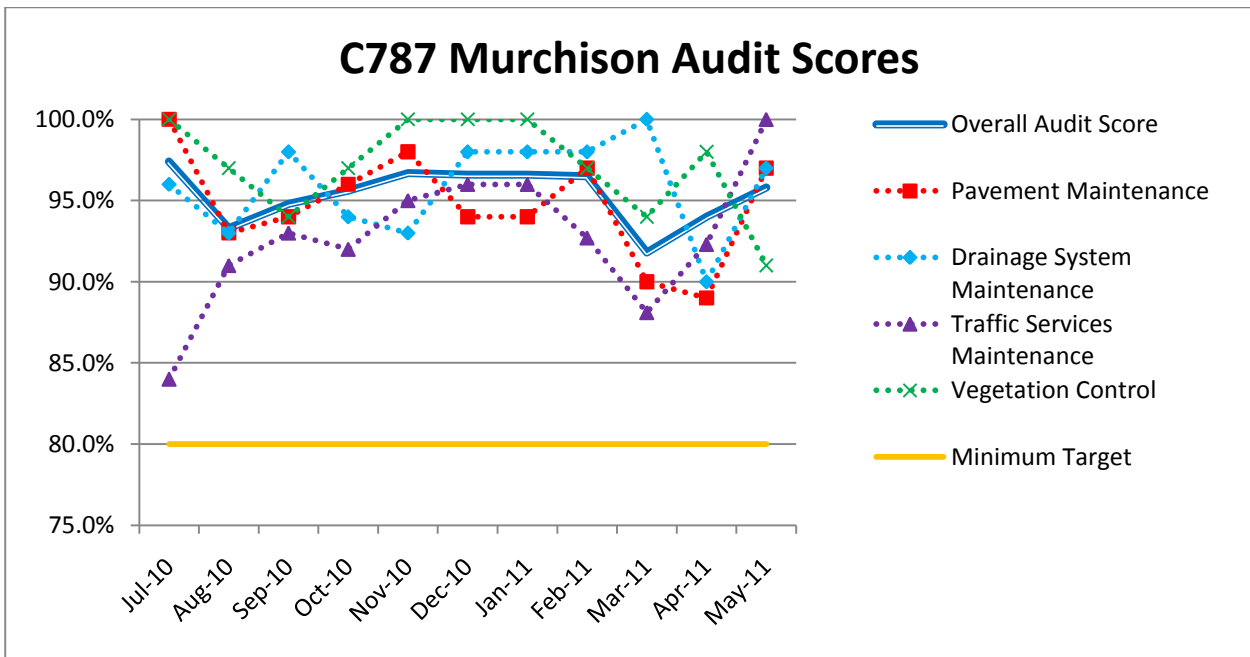
- various slip cleanups and flood damage repairs from prolonged wet weather;
- 124.6km of grading;
- Tutaki Road South structural gravel overlay and drainage improvements;

- completion of unsealed metalling programme (5,150m³ placed); and
- Maruia Saddle Bridge repairs.

1.23 Items underway and/or programmed for completion in July-August 2011 include:

- installation of traction strips on timber deck of Taylors Stream Bridge, Matakaitaki West Bank Road; and
- completion of outstanding flood damage repairs.

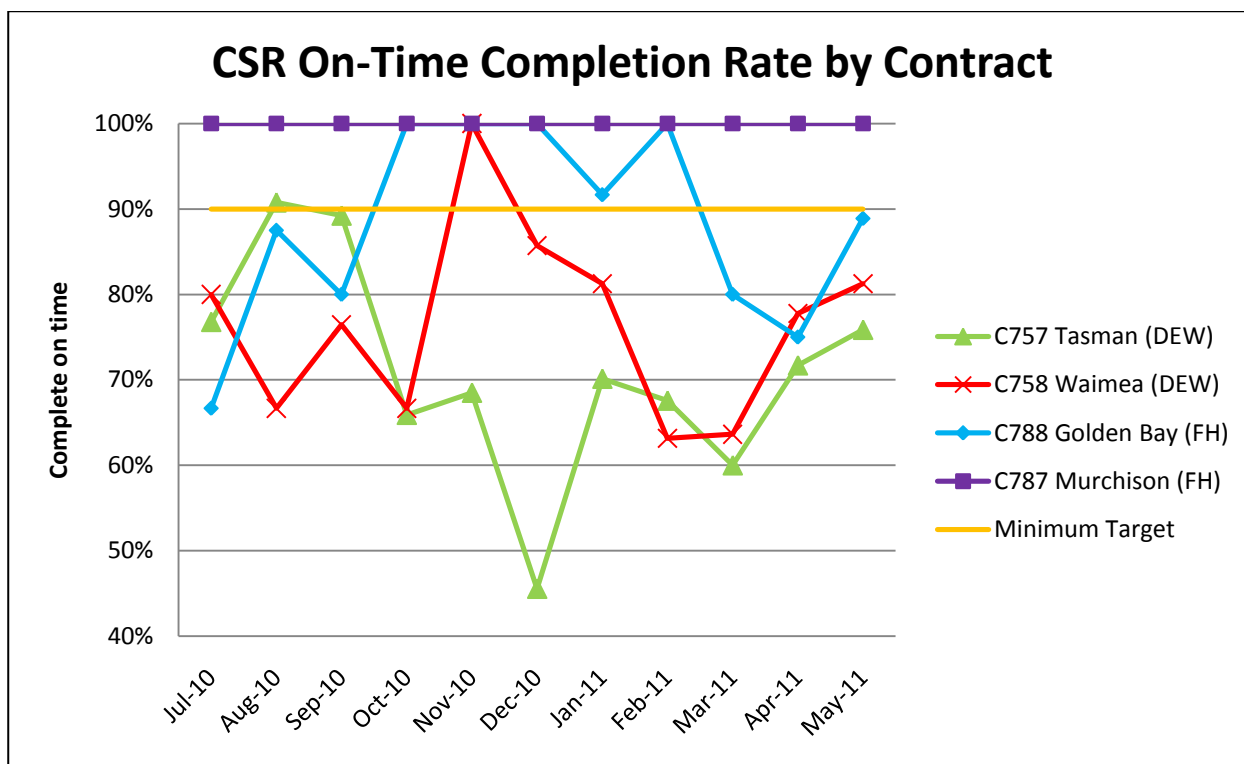
1.24 The results of recent MWH audits of the network condition are shown in the following chart.



1.25 Overall the network is in very good condition.

2 Summary of Network Performance

2.1 Customer Service Request completion rates over the four contracts are summarised in the following graph.



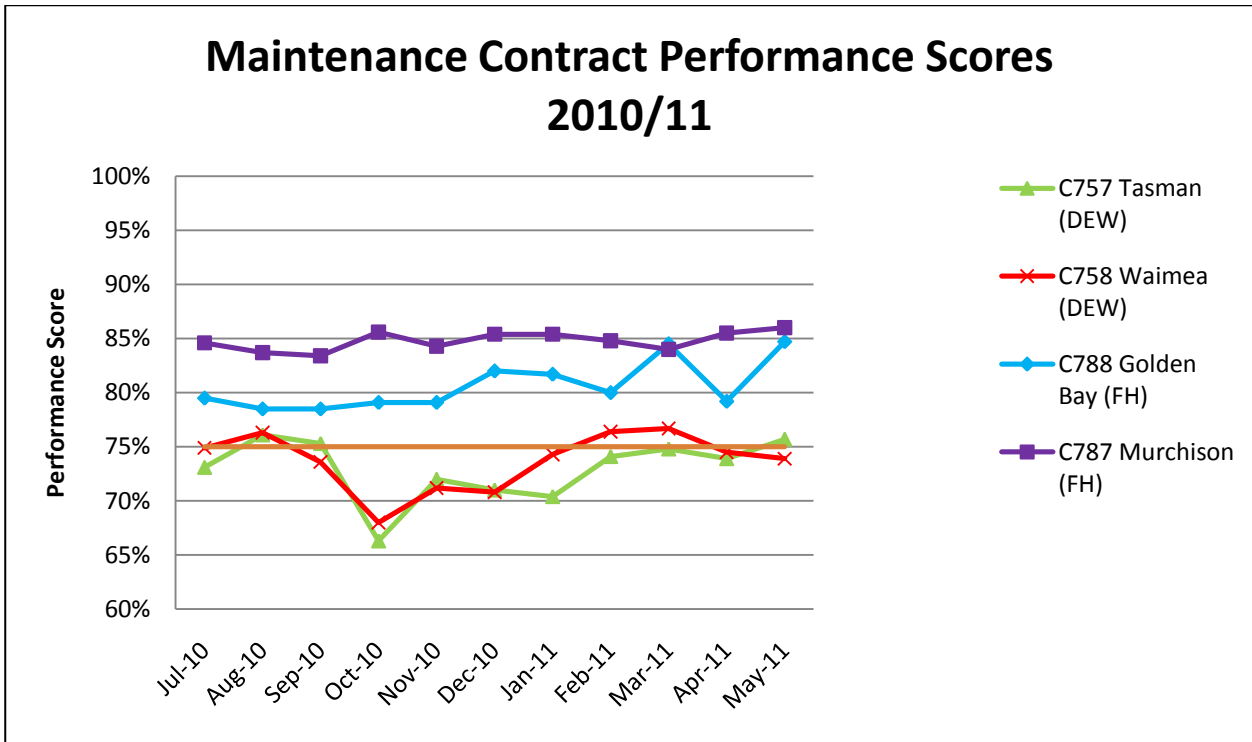
2.2 Scores for June 2011 were not available at the time of preparing this report.

2.3 All areas improved their on-time completion rate slightly during May but disappointingly three of the four areas still failed to achieve the required standard of 90% (Golden Bay was close with 89%). The required standard of 90% has been reiterated to contractors, and a last push is required to get completion rates from 80% to 90%.

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

Month	C788 Golden Bay (FH)			C787 Murchison (FH)			C757 Tasman (Downer)			C758 Waimea (Downer)		
	On time	Late	Total	On time	Late	Total	On time	Late	Total	On time	Late	Total
May-11	16	2	18	7	0	7	66	21	87	13	3	16

2.5 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.



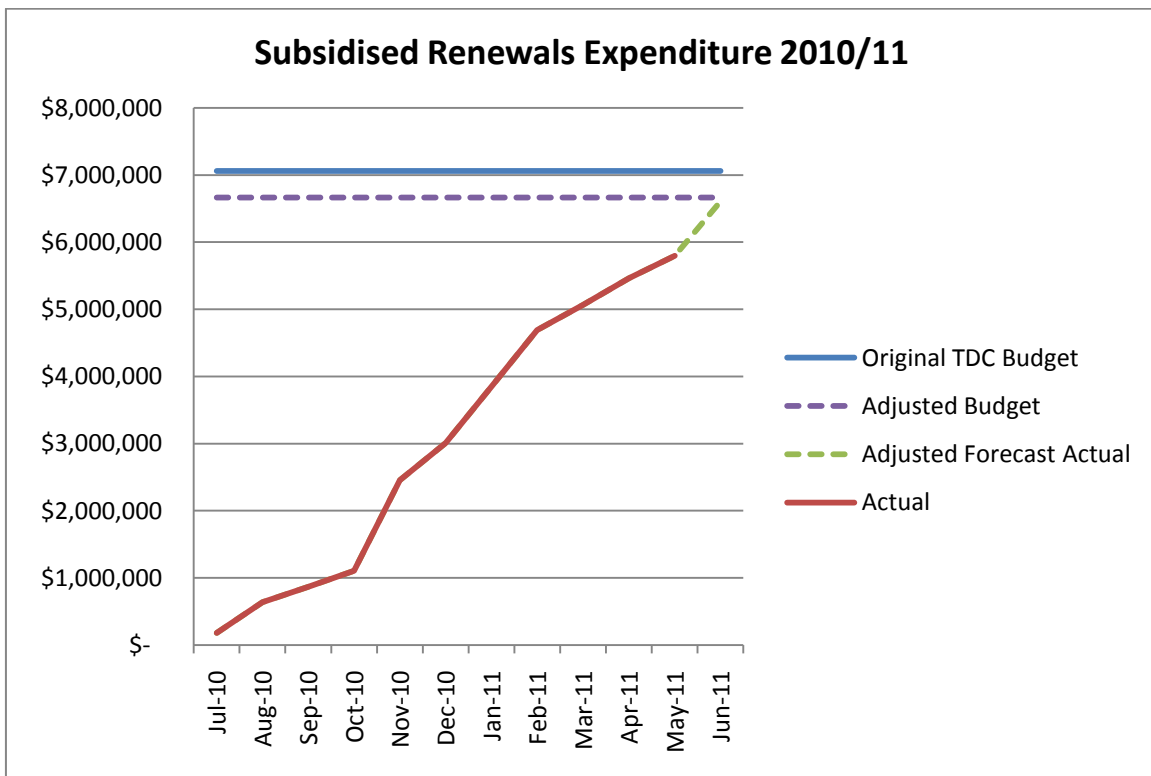
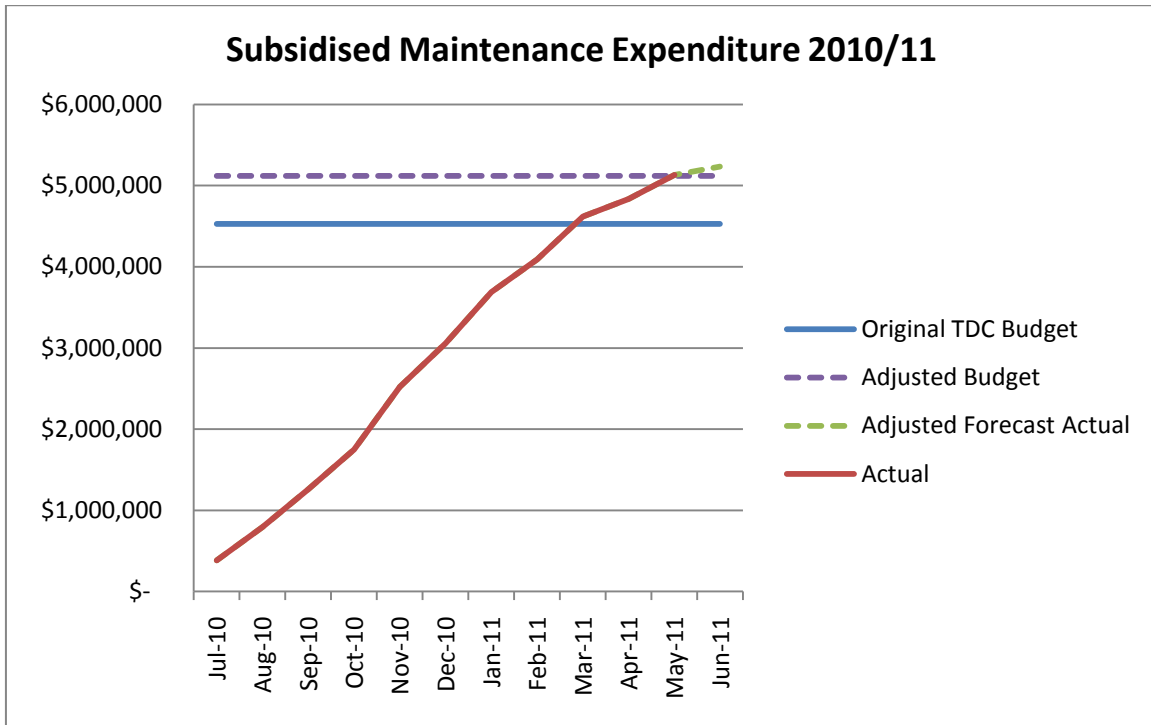
2.6 Scores for June 2011 were not available at the time of preparing this report.

2.7 As at the end of May, Downer needs to achieve average performance scores of 82.2% (Tasman) and 80.2% (Waimea) for the period June-August in order to be eligible for rollover of these contracts on 1 July 2012. The formal rollover process occurs during September and October 2011.

2.8 Preparations are being made for new maintenance contracts to replace C757 and C758 in the event of rollover not being offered, and/or accepted by Downer.

3 Financial

3.1 The following graphs show the estimated expenditure profiles and expenditure to the end of May 2011, for the subsidised maintenance and renewals budgets.



- 3.2 Overall subsidised maintenance and renewals will be managed to within 2% of adjusted Council budgets.
- 3.3 The forecast for the May-June period has been skewed by the transfer of pre-reseal heavy maintenance costs from maintenance to renewals in this period.
- 3.4 Planning for 2011-2012 budgets is well underway. Opportunities are being assessed between transportation and utilities to maximise the use of available subsidy from NZ Transport Agency, given the shortfall in available transportation local share of approximately \$140,000. Once a shortlist has been agreed, NPV calculations will need to be carried out to meet the NZ Transport Agency funding criteria.
- 3.5 On 1 July 2011 the roading maintenance contract rates increased due to contractual cost fluctuation provisions. Effects of these increases are estimated as follows:

Contract	Increase	2010/11 Expenditure	2011/12 estimated increase
Tasman	5.40%	\$2,077,680	\$112,195
Waimea	5.40%	\$1,695,126	\$91,537
Murchison	4.90%	\$1,527,933	\$74,869
Golden Bay	4.90%	\$2,112,046	\$103,490
Total		\$7,412,785	\$382,090

- 3.6 It should be noted that increases in Murchison and Golden Bay were slightly lower due to the bitumen price index having less weighting in these contracts.
- 3.7 Volatility in bitumen prices will also affect the resurfacing programme. As an indication we have estimated an average increase of 6% in resurfacing costs in year 2011/12 compared with year 2010/11. Based on expenditure of \$2,400,000 in year 2010/11 this could add \$144,000 to resurfacing costs in year 2011/12. In practice the quantity/length of resealing could be adjusted to suit budget although this invariably has compounding effects downstream in future years ('bow wave').

4 Street Lighting

- 4.1 Powertech continue to perform well overall with all CSRs completed on time in May and June.
- 4.2 Powertech achieved completion of the entire mercury vapour upgrade and associated works package on time and to budget.

- 4.3 Tenders have been received for the new maintenance contract and Powertech were the successful tenderer. They will commence the new contract on 1 August 2011.
- 4.4 Setup is underway for the new contract which will be managed using the Confirm system. The Contractor will also have access to Confirm in the field using hand-held devices.

5 C790 Bridge Structures Maintenance

- 5.1 Adcock and Donaldson continue to perform well. They also continue to undertake bridge emergency type work and generally complete this in a timely manner.
- 5.2 All subsidised road bridge maintenance work, for Separable Portion B, was ceased due to the scale back on the maintenance budget for the end of June 2011 financial year. Adcock and Donaldson have completed the footbridge non subsidised work. A meeting will be held with Adcock and Donaldson in July to evaluate their previous performance for the 2010-2011 financial year. This is the final year for the Bridge Maintenance Contract 790, Separable Portion C, which finishes on 30 June 2012. The bridge maintenance list for Separable Portion C will be submitted in July for pricing by Adcock and Donaldson, this work will be undertaken in conjunction with the outstanding maintenance items not completed in Separable Portion B. All work is to be completed by 31 March 2012.

6 Projects

6.1 Contract 807 Stringer Road

- 6.2 The Contractor Dusty Diggers along with the sub contractor Fulton Hogan has made satisfactory progress in completing the Stringer Road upgrade. Unfortunately bad weather has hampered early completion.
- 6.3 All earthworks are now complete with exception of filling-in the borrow pit on adjacent land.
- 6.4 The sub-grade on the last remaining 200 metre section is completed but is still too wet for construction of the pavement.
- 6.5 It is likely the final section of Stringer Road to be sealed will be suspended until spring. Whilst there are cost implications in closing the site in terms of re-establishment, this cost is expected to be minimal in comparison to completing the work prior. As there is no strong requirement to have the work completed by a set time the delay in completing the work is considered advisable.

- 6.6 A set of gates is to be installed across Stringer Road just beyond the last dwelling to prevent drivers from using the unfinished section of road. The local landowners will continue to have access to their paddocks.
- 6.7 Tasman Civil is making slow progress with construction of various pedestrian improvements mainly in Richmond. Some of the eleven sites including Queen/Edward Street intersection and Queen/William Street intersection and the pedestrian refuge on Hill Street are very close to completion, with further sites in front of Ranzau School and Henley School due to be completed during the school holidays.
- 6.8 Contract 828 New Footpaths & Pram Ramps – Concrete & Metals has made good progress and has completed most of the new pram ramps for this financial year. The new footpath including piping of the drain proposed along the southern side of Champion Road is now underway and was delayed due to pavement work being undertaken as part of the new subdivision on the Nelson side of Champion Road.
- 6.9 Contract 845 Arbor Lea Traffic Signals – Fulton Hogan won this contract to install traffic signals on Salisbury Road at Arbor Lea Ave as a result of the planned expansion and new access at Waimea College. The contractor is due to start work in early September this year. The Ministry of Education has advanced their financial contribution towards this work.
- 6.10 Contract 807 Turners Bluff Realignment – The contract for this work was advertised for tender recently and will close in early August 2011. Network Tasman has also called for tenders for the undergrounding of the overhead power.
- 6.11 Wharf Road Walkway Resource Consent – The consent for this work is close to being granted. A financial contribution is required towards the restoration of the estuary to avoid a hearing. This was sought by Friends of Nelson Haven & Tasman Bay; a cost which hadn't been originally budgeted for even though there is to be considerable mitigation measures in the way of plantings.
- 6.12 Tasman View Road – The land purchase of road frontage from 17 properties along Tasman View Road for the eventual road upgrade are being pursued. Just over half of the landowners have agreed to sell. The new legal road corridor will pave the way for the laying of the new coastal water main and construction of a shared cycle/pedestrian path.
- 6.13 James Road Bridge – The contract has been awarded to Concrete Structures (NZ). The new bridge will span the 60 metre gap that has isolated two landowners since December. Bridges of this nature cannot be constructed very quickly. The design and construction phases will be technically challenging. Work will begin

early to mid-August with the abutments being built first. The superstructure will be constructed from mid-September with a proposed opening date in mid-December.

7 Rivers

- 7.1 Annual Operations & Maintenance Programme (AOMP) – The contractor’s work claim for May was \$103,003 bringing a total expenditure on the AOMP to date of \$1,284,785 out of a revised budget of \$1,422,067. Up until the end of May the contractor was approximately \$53,000 behind their own predicted expenditure.
- 7.2 The main reason that the contractor has fallen slightly behind schedule has been due to the wet weather conditions making it difficult in obtaining access to the scheduled work sites.
- 7.3 Progress in June has improved mainly due to rescheduling of work in the AOMP to respond to flood damage work in the Aorere, Takaka, Motupiko and Waimea Rivers. The contractor has completed the revised AOMP scheduled works and other approved additional works within the AOMP budget.
- 7.4 The main focus of work in the report period has been as follows:
- rock bank protection – Aorere, Takaka, Motupiko, Wai-iti and Waimea Rivers;
 - crack willow removal – Takaka Moutere, Upper Motueka and Wai-iti Rivers; and
 - willow layering – Takaka and Moutere Rivers.
- 7.5 The scheduling of the 2011/2012 AOMP works programme over the report period has been delayed due continuing high river flows which has made it extremely difficult to access river sites and traverse along riverbeds. A draft programme was forwarded to Tasman District Council and approved by the Rivers / Roding Asset Engineer on 28 June 2011.
- 7.6 New River Maintenance Contract 840 – Due to the existing river maintenance contractor Ferguson Bros Ltd not accepting Separable Portion 2 of Contract 740, tenders were called for the River Maintenance Contract 840.
- 7.7 Six tenders were received with the successful tenderer being Taylors Contracting. The formal start-up date of the new Contract will be Monday 11 July 2011.
- 7.8 December Flood Repairs - The flood damage repairs on the balance of the Aorere River ‘Y classified areas has been delayed due to the wet weather conditions. The contractor has made good progress when able to access sites but the prolonged wet weather conditions has prevented access to some sites.

- 7.9 No further flood damage works have been undertaken in River Z proposed works in the Murchison and Wangapeka areas.
- 7.10 There is still one access entry agreement outstanding for proposed works on the Wangapeka River.

8 Road Safety

8.1 Motorbike Courses

- 8.2 During the 2010–2011 financial year 11 training/upskilling courses were held across Tasman and Nelson. Of these courses, four were refresher/advanced courses and at an off road training venue, five were intermediate courses and at an off road training venue, and one on-road intermediate and one on-road advanced. Overall 116 riders attended a course.
- 8.3 The courses were aimed at different types of riders – any age, on any type and size of bike and at any level of riding experience. Each of the courses was specific to a level of rider eg, beginner, intermediate, advanced. The courses were heavily subsidised by the council and ACC and only cost each rider \$20 per course. The database of names continues to grow, for both riders who have attended a course or those that want to know dates of future courses.
- 8.4 Comprehensive print media, along with some accompanying radio coverage, was put into place as soon as training dates had been organised. Having articles and advertisements in all local papers/newsletters at the same time proved to work well and generated more enquires after they had been published. Local riders and their stories were used in some of the promotion, which gave the training a local element and using a young scooter rider generated enquiries from parents who wanted to get their teenagers on a course.
- 8.5 The ENZA site which had previously been used for the off road training venue was no longer available for courses during the second half of the year. The go-kart track on the Moutere Highway and Trafalgar Centre in Nelson were used for some courses. Unfortunately the classroom at the kart track proved not to be large enough for groups of 20 riders and there were issues with track users not being informed the track would be closed on the training dates and grass being mowed which made it difficult for the trainers during the theory part of the day. The classroom area at the Trafalgar centre was larger, but the area for the practical part was not suitable for larger groups of riders. These venues are either going to have to be used for smaller groups (up to 14 riders) or another venue will have to be found.
- 8.6 During the year it proved difficult to persuade college scooter riders they would benefit from attending a course. The only scooter riders that attended a course

were those signed up by parents. Schools were not receptive to establishing a travel permit programme which would ensure every student that rode a scooter or motorbike had to attend a training course before being allowed to ride to college. However this is to be a focus during the 2011-2012 year and will involve a joint collaboration from the councils, ACC and the Police.

8.7 Proposed motorbike dates 2011/2012 for Nelson/Tasman

- Saturday 24 September – progressing riders @ off road training venue
- Sunday 25 September – advanced riders @ off road training venue
- Saturday 29 October – progressing riders on road course
- Sunday 30 October – advanced riders on road course
- Saturday 3 December – progressing riders @ off road training venue
- Sunday 4 December - advanced riders @ off road training venue
- Saturday 11 February - progressing riders on road course
- Sunday 12 February - advanced riders on road course

8.8 Feedback from each rider who attended a course was sought through an evaluation form. These have been collated and show that riders are happy with the training they have received. However this evaluation form has been assessed and will be changed so that further information can be collected from each rider and also provide the opportunity for the trainer to ensure each rider is achieving the course objectives.

8.9 Motorbike Safety

8.10 The motorbike safety tabloid was published on 23 June 2011. It included information on training courses, local crash statistics, safety and hi-visibility riding gear and some basic information on safe riding techniques. It was distributed in The Nelson Mail and made available at all council offices, libraries, motorbike shops etc.

8.11 The main audience is motorcyclists but there was some information for drivers of other vehicles. This information highlighted the need to look twice for bikes.

8.12 The Top of the South Motorcycle Safety Plan was initially written in 2010 in conjunction with the Police, ACC, NZ Transport Agency, Nelson City Council, Marlborough District Council and the Ulysses Motorcycle Club. It outlined the objectives and activities for the next three years, how they would be achieved and how they would be evaluated. The Plan was reviewed in June 2011 and sections updated. A copy can be provided on request.

8.13 Billboards – The New Zealand Transport Agency have provided some motorbike specific billboards with messages around:

- reminding other vehicle drivers to “Look Again”



- reminding other vehicle drivers specifically to “look again” at roundabouts
- reminding other vehicle drivers specifically to “look again” when overtaking

8.14 Intersections

- 8.15 A Road Safety in Tasman/Nelson tabloid was produced in June 2011. The 20-page tabloid was distributed free to all homes through The Richmond and Nelson Leaders and also through Council offices and libraries, schools and testing stations. Further promotion used car park hoardings, cinema and radio advertising, a radio competition and high profile people from Tasman and Nelson who were put through a theory and practical driving test.
- 8.16 There was lots of feedback in regard to the tabloid from a range of people who had obviously read through it very carefully.
- 8.17 Also in June an ‘intersection spotting’ campaign was run where spotters were located at different intersections through the district and wrote down number plates of any vehicles who did not stop at a Stop sign or who did not obey traffic signals correctly. These vehicle owners were then sent a letter reminding them of the correct way to use a Stop sign or traffic signals. Over 1000 letters were sent out and each letter contained a ‘friendly’ magnet...



9 Coastal Structures

- 9.1 Jackett Island – The survey has been completed and contract documents prepared. Sandbags are now on hand and the appropriate resource consent applications are underway.
- 9.2 The Mapua Pontoon is being redesigned and the work will be re-tendered.
- 9.3 Staff are waiting for the completion of survey data so the consent for the Broadsea revetment project can be notified.

10 TENDERS

No.	Contract name	No. of tenders	Successful tenderer	Amount	Highest amount	Council estimate	Budget for this item	Comment
840	Rivers maintenance 2011-2014	6	Taylor's Contracting	\$4,546,599	\$7,100,354	\$5,013,665	-	Part of total rivers maintenance budget
842	Design and build – James Road Bridge	3	Concrete Structures NZ Ltd	\$1,367,557	\$1,871,285	\$1,460,400	-	Part of the December 2010 flood event
844	Streetlight maintenance 2011-2013	3	Powertech Nelson NZ Ltd	\$403,398	\$422,420	\$422,835	-	Part of total traffic services maintenance and renewal budget
845	Arbor-Lea Traffic Signals	5	Fulton Hogan Ltd	\$361,663	\$429,757	\$421,380	Split 50:50 with the Ministry of Education	Improvements budget for 2011-2012

11 RECOMMENDATION

11.1 That the report be received.

12 DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Transportation Report RESC11-08-02.