

Report No:	RESC11-06-02
File No:	
Date:	9 June 2011
<i>Information Only – no decision required</i>	

REPORT SUMMARY

Report to: Engineering Services Committee
Meeting Date: 23 June 2011
Report Author: Gary Clark, Transport Manager
Subject: **TRANSPORTATION REPORT**

EXECUTIVE SUMMARY

This report details the activities in the Transportation area.

RECOMMENDATION

That the report be received.

DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Transportation Report RESC11-06-02 .

**R
E
P
O
R
T

S
U
M
M
A
R
Y**

Report No:	RESC11-06-02
File No:	
Report Date:	9 June 2011
Information Only – no decision required	

Report to: Engineering Services Committee
Meeting Date: 23 June 2011
Report Author: Gary Clark, Transport Manager
Subject: **TRANSPORTATION REPORT**

1. OPERATIONS AND MAINTENANCE CONTRACTS

1.1 Tasman Maintenance Contract 757

Items completed in March and April include:

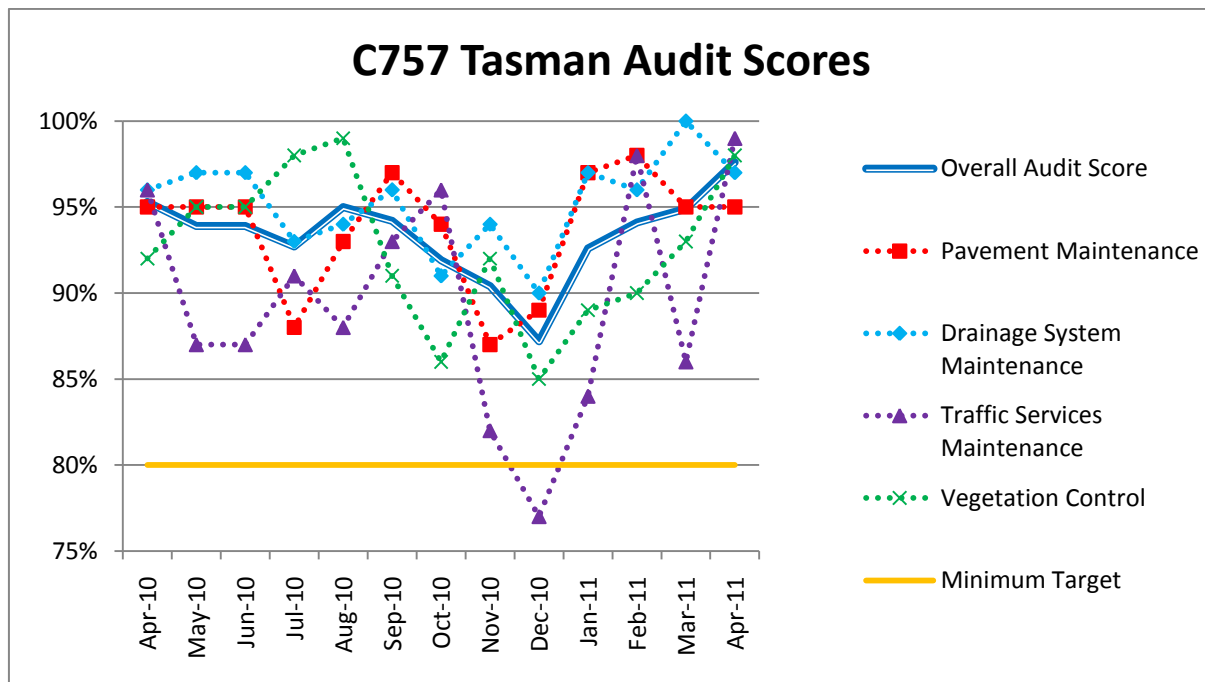
- pre-reseal pavement repairs and drainage improvements for 2011/12 reseal season;
- footpath repairs in Malthouse Crescent;
- substantial completion of network remark;
- various slip and tree cleanups including Moutere Highway and Garden Valley Road; and
- beginning of unsealed metalling programme, 5,000m³ to be applied by end of June.



One-lane bridge at Marahau, phantom road marker on the loose.

1.2 Items underway and/or programmed for completion in May-June 2011 include:

- Upper Moutere township drainage improvements near store;
- Mt Heslington Road culvert replacement;
- completion of unsealed road metalling programme;
- pavement repairs at Lower Queen Street;
- culvert replacement on Easton Loop; and
- delivery of night time inspection report.



1.3 The overall network condition based on audit samples is well above minimum targets and has been steadily improving in recent months.

1.4 Waimea Maintenance C758

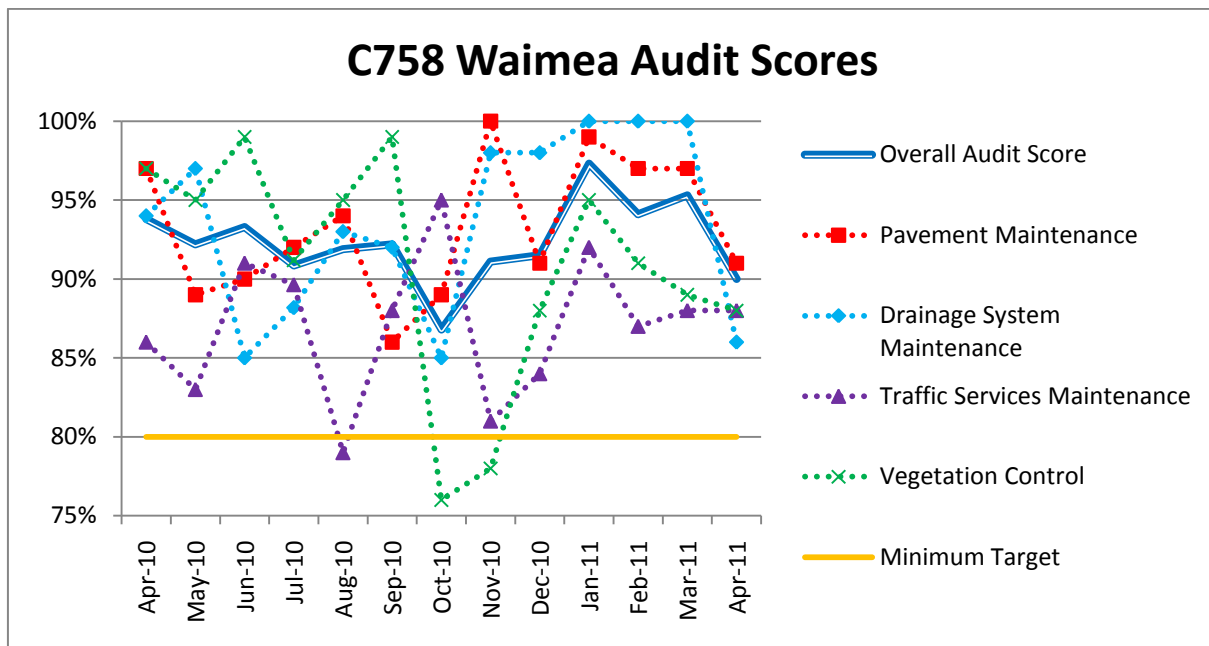
Items completed in March and April include:

- completion of pre-reseal pavement repairs and drainage improvements for 2011/12 reseal season;
- slip repairs / earthworks at Hinetai Road;
- Sherry River Road culvert extension;
- various slip and tree cleanups; and
- beginning of unsealed metalling programme, 13,000m³ to be applied by end of June.

Items underway and/or programmed for completion in May-June 2011 include:

- completion of unsealed road metalling programme; and
- delivery of night time inspection report.

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



1.5 The overall network condition based on audit samples are above minimum targets although has declined in recent months. Some of the decline of the audit scores is related to the wet weather the District has experienced recently.

1.6 Golden Bay Maintenance C788

The period of March and April has been steady for the maintenance contractor.

1.7 Normal maintenance activities have been undertaken as well as some emergency repairs in the Collingwood and Port Pungong areas following heavy rain.

1.8 Items completed during March and April include.

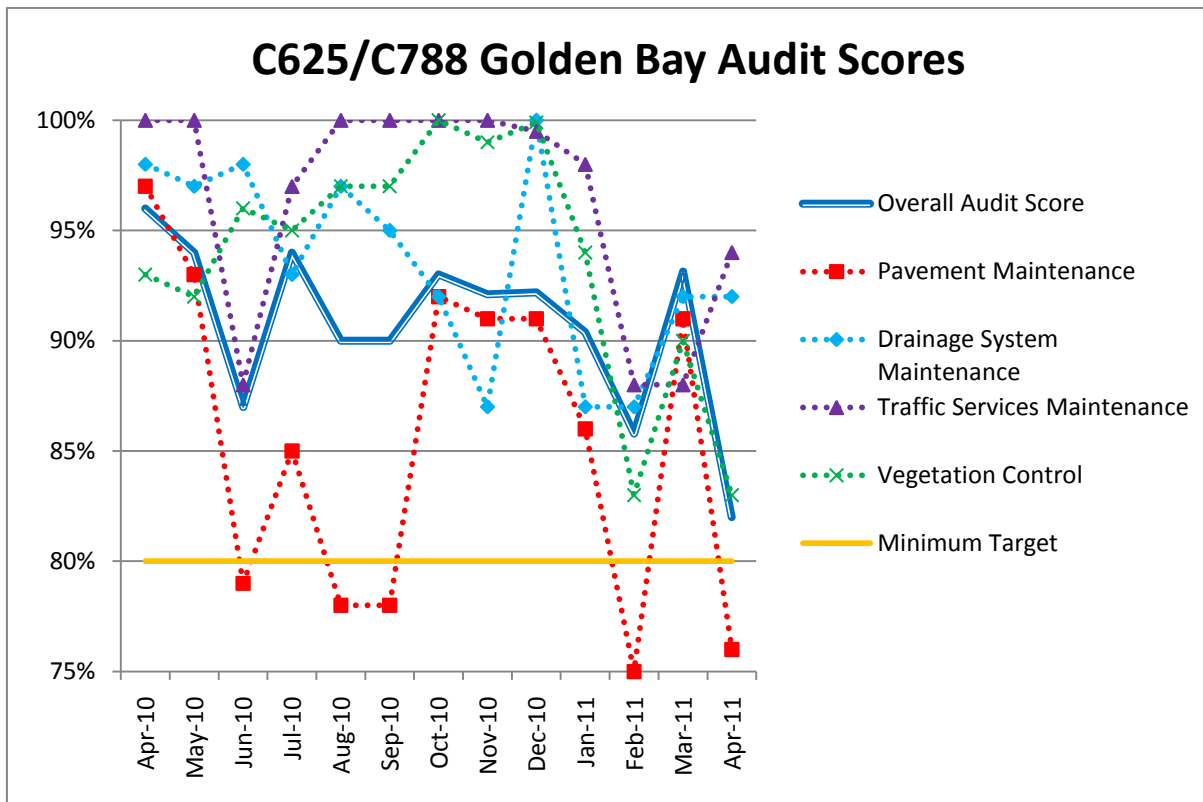
- Collingwood-Pungonga Road – attended crash site on Aorere Bridge (Ferntown). Subsequent repairs to bridge;
- Collingwood-Pungonga Road – scour repair to culvert headwalls. Also attended to flooding sites at various locations and completion of concrete scour repair work from Decembers flood;
- Wharariki Road – repair to flood scoured gravel road;
- McShane Road - repair to flood scoured gravel road;
- McCallum Road – clear small slip material;
- Falconer Road - repair to flood scoured gravel road;
- Abel Tasman Drive – clear small slips from Wainui Hill; and
- Totaranui Road – tree fall and minor slips. Also removal of wet stockpiled material from December’s storm event to DoC approved dumping ground.

1.9 Items underway and/or programmed for completion in May-June 2011 include:

- spraying, mowing and grading of the network;
- storm water drain flushing of sumps within Takaka;

- further compacted gravel overlays on MacKay Pass, Pupu Valley and Freeman's Access Roads;
- pest plant spraying;
- soak pit upgrades to Selwyn Street and Abel Tasman Drive due to surface flooding issues; and
- culvert upgrades to damaged pipes as required.

1.10 The most recent MWH audit of the network condition in April indicated that the network as a whole was in an acceptable standard although pavement condition was below standard. Maintenance to address corrugations and potholes on gravel roads will be required when weather conditions allow. The sealed sections also require further attendance to edge repairs and potholes in isolated locations.



1.11 The drop in pavement maintenance was mainly the result of poor weather having an effect on the grading programme and the audited sites having a number of potholes and corrugations. These have since been rectified by Fulton Hogan.

1.12 Council staff has some concerns with the trend of the Golden Bay Contract and have asked our consultants to investigate the reasons for this.

1.13 The vegetation control also dropped from the previous month due to overhanging vegetation on some of the audited sites requiring further high cut mows. Fulton Hogan have programmed this high cut.

1.14 Murchison Maintenance C787

Items completed in March and April include:

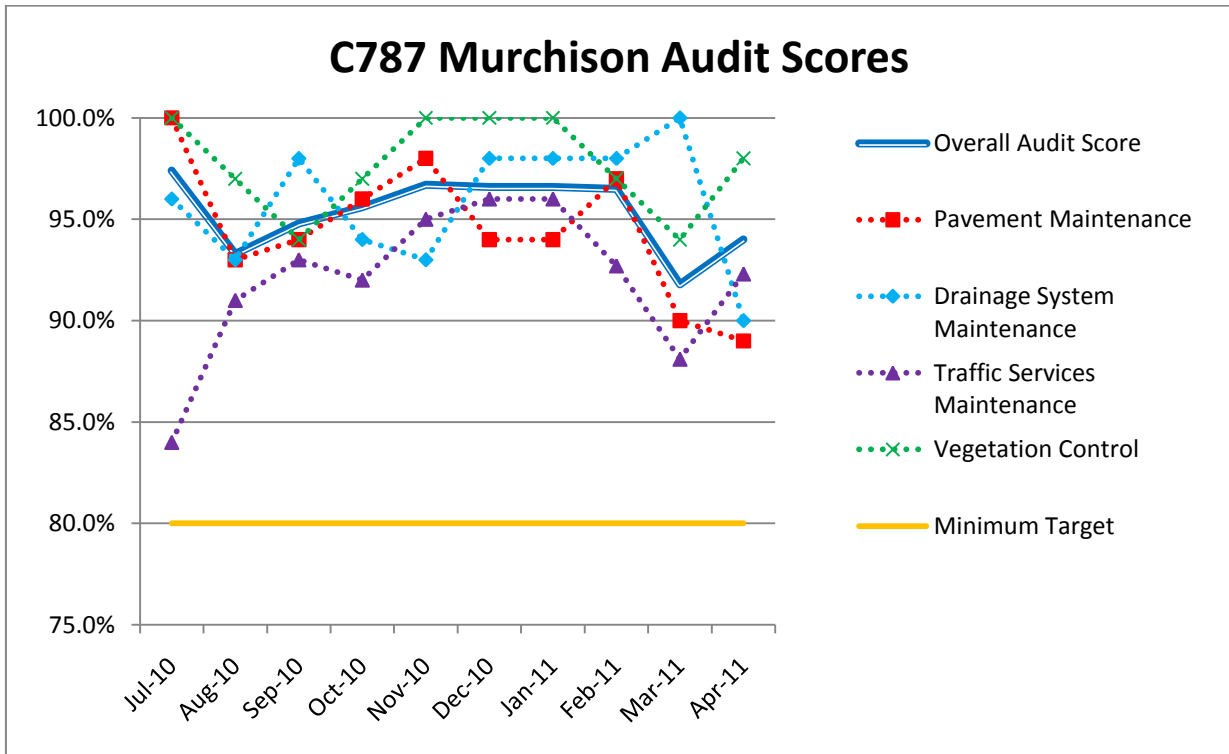
- Fairfax Street soakpit; and

- Waller Street School access repairs.

1.15 Items underway and/or programmed for completion in May-June 2011 include:

- completion of all outstanding work in the June programme; and
- commencement of 2011/12 pre-reseal repairs.

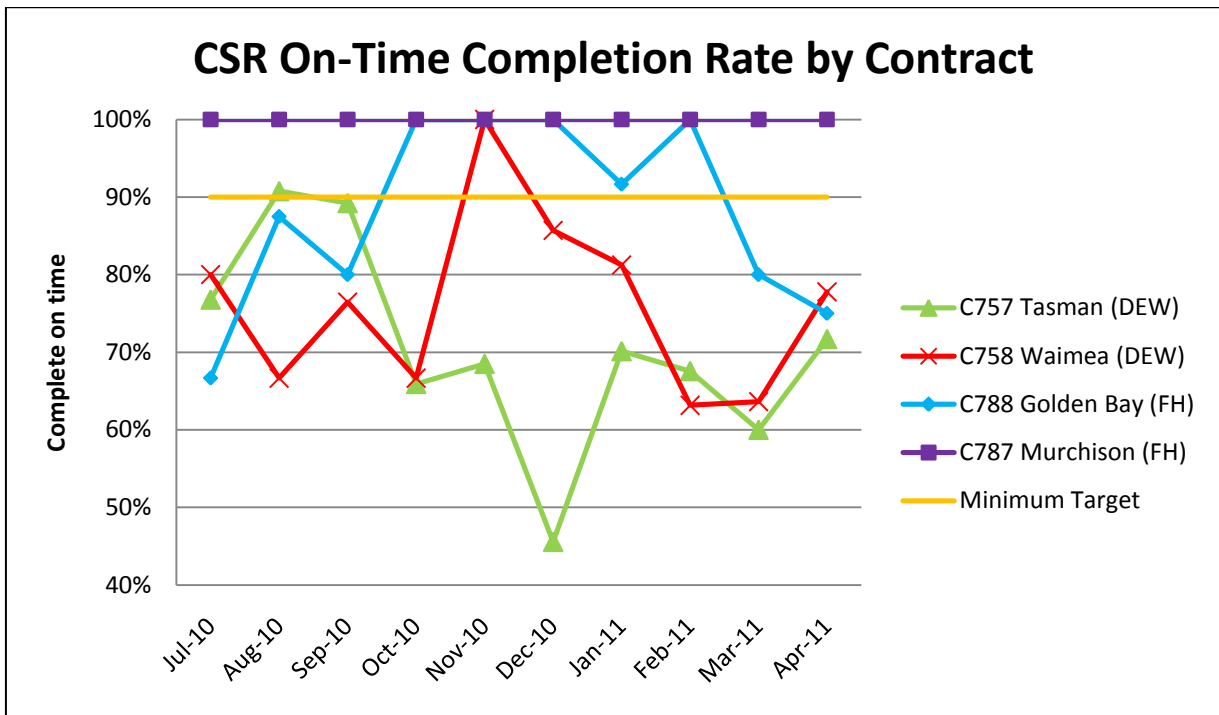
1.16 The results of recent MWH audits of the network condition are shown in the following chart.



1.17 Again as with Golden Bay there has been a drop in the pavement maintenance and drainage maintenance as a result of the extended period of wet weather. This is expected to be rectified as weather permits.

2 Summary of Network Performance

2.1 Customer Service Requests - CSR completion rates over the four contracts are summarised in the following graph.



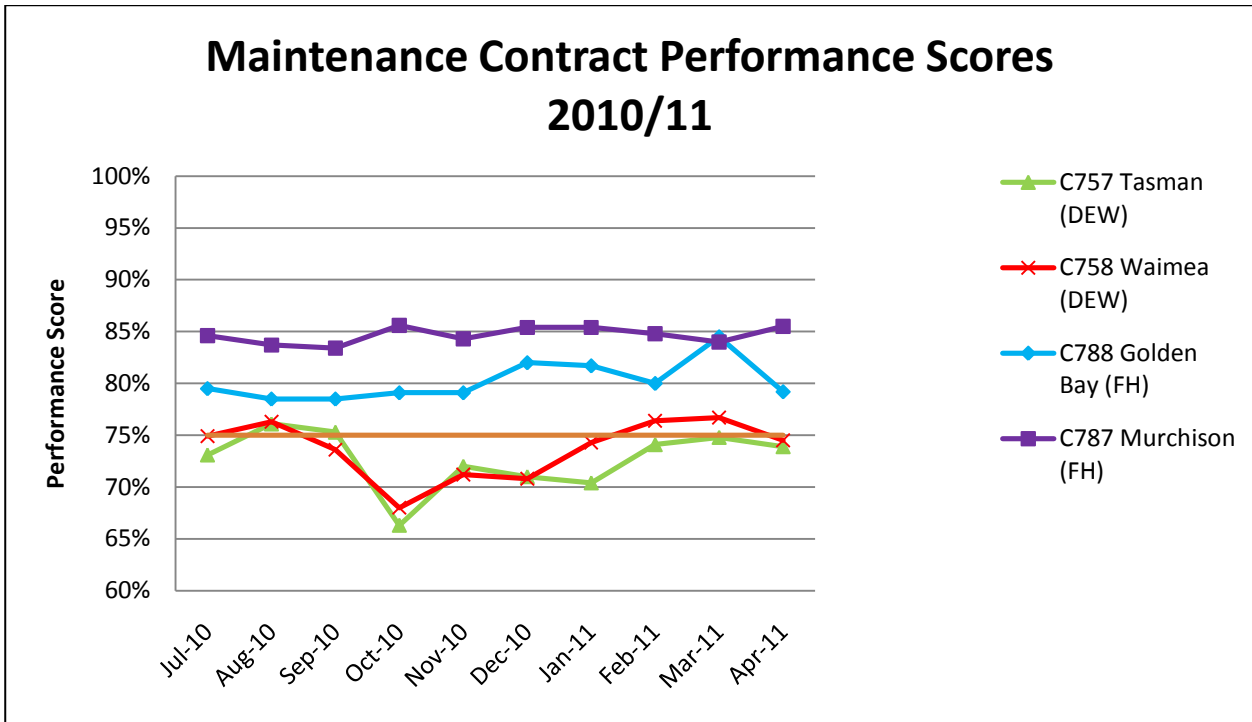
2.2 Downer has been working hard to improve CSR response times but further effort is required to meet the 90% on time requirement. Golden Bay CSR response has slipped in the last two months below the 90% on time requirement. The numbers are small however as can be seen in the tables below.

	C788 Golden Bay (Fulton Hogan)			C787 Murchison (Fulton Hogan)		
Month	On time	Late	Total	On time	Late	Total
Mar-11	8	2	10	6	0	6
Apr-11	9	3	12	2	0	2

	C757 Tasman (Downer)			C758 Waimea (Downer)		
Month	On time	Late	Total	On time	Late	Total
Mar-11	33	22	55	7	4	11
Apr-11	38	15	53	7	2	9

2.3 Performance Scores

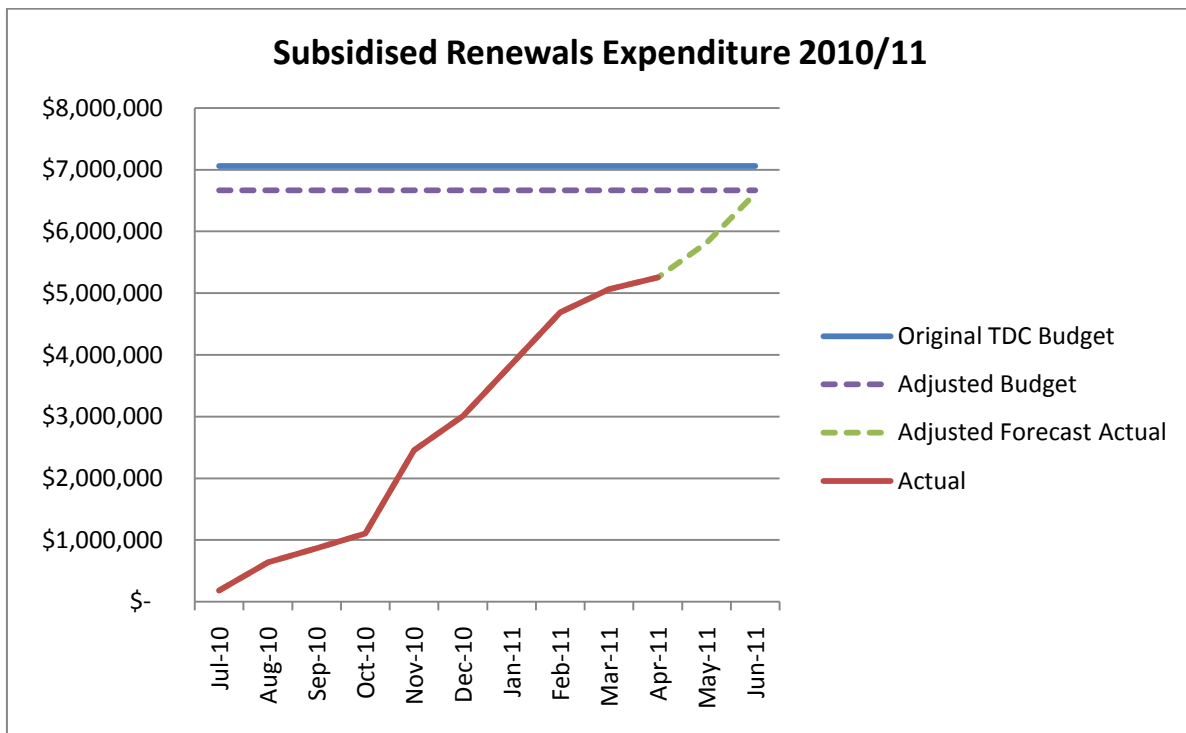
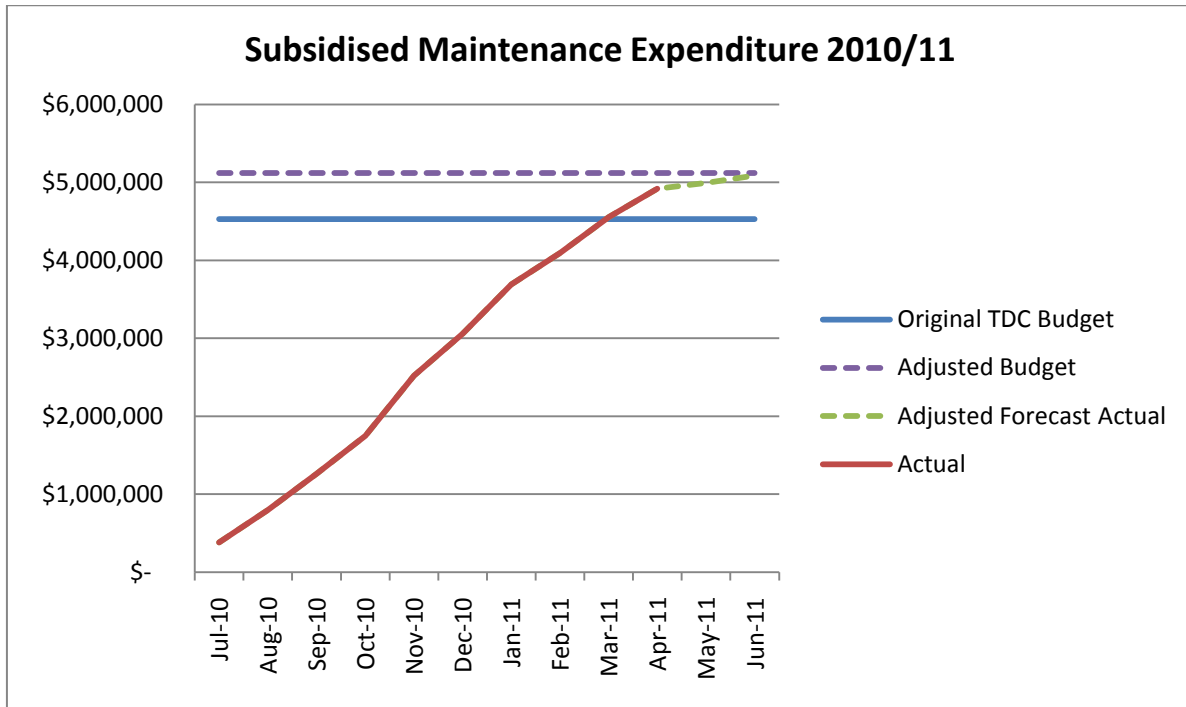
Based on MWH audits of the Contractor's maintenance work, systems and overall contract delivery, the following graph tracks the Performance Score Summary over the four contract areas.



- 2.4 Overall the performance by Downer has improved in early 2011 with a slight dip in April. This has mainly been due to the extended wet weather and the resulting pavement and drainage maintenance issues. Fulton Hogan performance has continued to be good although the Golden Bay performance score has been reduced due to a reduction in network condition as shown in the last network audit and late CSRs.
- 2.5 As at the end of April, Downer needs to achieve average performance scores of 80.5% (Tasman) and 78.6% (Waimea) for the period May-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.
- 2.6 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 April 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. There is still a minor risk of overspend which is related to the level of frost and grit control needed by the end of the financial year. To date the mild May and start of June has ease some pressure on these budgets.

3.3 The forecast for April and May has been skewed by the transfer of pre-reseal heavy maintenance costs from maintenance to renewals in this period.

- 3.4 Planning for the 2011/12 budget is underway with a draft annual programme of works to be developed when budgets are confirmed. Discussions between Corporate Services and MWH have confirmed the available local share in the draft Annual Plan and therefore the maximum amount of potential total NZ Transport Agency subsidy which can be utilised. This shows that approximately \$140,000 of subsidy is unlikely to be able to be gained due to lack of local share. Council is looking at other ways to access these funds.

4 C684 Street Lighting

- 4.1 Powertech continue to perform well overall with all CSRs completed on time in April.
- 4.2 Powertech has been instructed to replace the majority of mercury vapour lamps throughout the district along with some associated upgrades.
- 4.3 A small portion of the mercury vapour package has been deferred due to funding restrictions.
- 4.4 The existing contract is due to expire on 30 June 2011. It is intended to have the successful tender to commence on 1 August 2011. Three tenders have been received and are currently being evaluated.
- 4.5 To allow for the procurement for the new contract, Powertech will be given a one month extension to the existing contract making the revised completion date 31 July 2011. Powertech have confirmed their willingness to extend the existing contractual terms by one month.

5 PROJECTS

5.1 Moutere Hill Shoulder Widening

C J Industries of Motueka is the contractor undertaking the shoulder widening of several curves in an area known as Cuts Hill on the Moutere Highway. Cuts Hill has a high rate of loss of control crashes identified across the district. The first package of work has been completed with the second package issued for commencement in the new financial year.

5.2 New Footpaths & Pram Crossings

Concrete & Metals Ltd of Motueka manage this contract. Work in front of the Brightwater Service Station is progressing. The new path and piping of a drain in Champion Road is programmed to start shortly once the new section of galvanised 150mm water main has been manufactured. This section of water main will be realigned to allow the new stormwater main to be laid over top and matched to the fixed invert level in the existing manhole. New pram crossings in Motueka have now been completed with others in Richmond and one in Brightwater either planned or in progress.

5.3 Tasman View Road

The road design alignment has been approved and land negotiations are progressing. Once land has been acquired this will then pave the way for the eventual construction of the cycle path and **potentially the** coastal water main.

5.4 Long Plains Road – Stock Underpass

This work is being undertaken by Sollys Contracting for Mr Langford of Kotinga. This work is nearing completion and is the fourth one installed in recent years in the bay.

5.5 Wharf Road Walkway – Consent

This consent at the last minute was required to be notified. This notification process closed Friday 3rd June. Four submissions were received either supporting or neutral regarding the proposed path and minor coastal reclamation work.

5.6 Fittal Street at Beach Road – New Road Markings

New markings were laid at this intersection recently in coordination with the opening of the new entrance into the Resource Recovery Centre.

5.7 Street Trees High St Motueka (Whakarewa St to Tudor St)

A proposal has been discussed with the chairman of the Motueka Community Board regarding planting of a number of trees along the western side of High Street between Whakarewa and Tudor Streets. The western side of the road was considered the most appropriate side as there is no parking on this side. The position of the trees is presently being determined in relation to underground services and in discussion with Parks and Reserves.

5.8 Queen Street Richmond Individual Carpark Markings

This work which involves marking individual parks along Queen Street, has been issued to the roading maintenance contractor. Unfortunately they have been very slow in getting underway with this work. It is hoped that this work will be completed soon when the weather settles down.

5.9 Bridge Structures Maintenance

Adcock and Donaldson continue to perform well. All subsidised bridge maintenance work has ceased due to the scale back on the maintenance budget. Adcock and Donaldson are continuing with the footbridge non- subsidised work.

5.10 James Road Bridge

Tender documents have been prepared and put onto Tenderlink for contractors to view and submit their bids. The tender submissions for the bridge will close on 15 June 2011.

5.11 Council staff are working to have the bridge completed by the end of December 2011 with a desire to have the new bridge finished before this date. A better idea of the project cost and timeline will depend on the outcome of the selected design.

5.12 Stringer Road

The construction and sealing of Stringer Road has been delayed as a result of the wet weather and condition of material used in the basecourse. The completion of the works is now expected to be completion by mid-July however this is weather dependent.



Stringer Road

5.13 Contract 828 – New Footpaths & Pram Crossings

This work has recently been tendered and will be let by the time of this meeting. The main work involves constructing a new footpath, kerb and channel along the southern side of Champion Road from Hill Street to Park Avenue as well as piping the existing roadside drain.

5.14 Various new pram crossings in Richmond and Motueka are also included in this contract as well as a very short section of new path on Wensley Road next to Wensley House and a provisional item for a new section of path in front of the fuel station at Brightwater.

5.15 The full allocation for new footpaths has been used on investigating and designing paths for a number of sites including Champion Road.

5.16 Contract 820 Minor Improvement Works

This work has recently been tendered and will be let by the time of this meeting. The work involves various minor pedestrian improvements in Richmond and in front of Ranzau School. The work is planned to be completed later this financial year.

5.17 Wharf Road Walkway

A non notified consent for this work was considered possible subject to written approvals being granted from Department of Conversation and Iwi. Approval from Department of Conversation has been received and now awaiting response from Iwi at time of writing.

5.18 Salisbury/Arbor Lea Intersection – Traffic Signals

The Ministry of Education is contributing 50% of the cost with Council's share coming from its Subsidised Roding Minor Improvements budget. The request for tender has gone out to the market with submissions closing on the 15 June 2011.

6 RIVERS

6.1 Annual River Maintenance Programme

This report covers works completed in the March/April 2011 period.

- 6.2 The contractor's work claim for March was \$269,310 and \$193,296 for April 2011 giving a total expenditure on the AOMP to date of \$1,185,617 out of a revised budget of \$1,422,067.
- 6.3 The contractor is approximately \$38,000 behind their own supplied budgeted expenditure for this period. The contractor has confirmed that they are confident that the full value of the AOMP works will be completed by 30 June 2011.
- 6.4 The claimed chemical spraying areas have been reviewed and agreement has been reached with the contractor for spray areas claimed. Overall there has been a reduction in chemical areas originally claimed by the contractor.
- 6.5 The main focus of work in the report period has been as follows:
- Completion of the flood damaged works on the Riley property on the right bank of the Aorere River.
 - Rock protection – Takaka, Waimea, Wai-iti, Riwaka and Waingaro Rivers and Redwood Valley Stream.
 - Crack Willow removal – Eves Valley and Redwood Valley Streams, Sherry, Moutere, Takaka, Tadmor and Wai-iti Rivers.
 - Mechanical clearing – Redwood Valley Stream, Wai-iti, Sherry and Takaka Rivers.
 - Willow layering – Takaka and Tadmor Rivers.
 - Chemical spraying - Eves Valley, Redwood Valley, Brooklyn, Little Sydney and O'Connor Streams, Lower and Upper Motueka, Motupiko, Sherry, Riwaka, Tadmor, Takaka, Waingaro, Moutere, Waimea and Wai-iti Rivers.
 - Miscellaneous - tree removal from Tadmor River and rubbish removal from Waimea River.
- 6.6 As a result of Ferguson Bros not accepting the offered rollover of the River Maintenance Contract 760, tenders have been called for the new River Maintenance Contract 840 which is due to close on 25 May 2011. Evaluation has been completed with further work needed on the final approved of a new contractor. Six tenders were received. It is expected to have a new contract in place by 1 July 2011.

6.7 Annual Operating Maintenance Programme (AOMP)

The scheduling of the 2011/2012 AOMP works programme over the report period has been delayed due to the emergency works relating to the December 2010 floods. It has also been delayed due to the extra work inspecting and preparing

contract works in the River Z areas of Murchison and Wangapeka. The high river flows over the April period has also prevented river access of some the river sites to carryout forward maintenance scheduling. The availability of suitable contract staff to assist in programming has also been a problem over the period.

6.8 December Flood Repairs

The major flood repair works on Don Riley's property on the Aorere River located in the Y Classified area was completed. This work involved the placement of approximately 10,000 tonnes of rock and plant hire to reinstate the natural bank alignment over a distance of 520 metres. There is still some tree replanting to be carried out in behind the rock protection works. The total cost spent to date on the repair works is \$542,810.

6.9 During this period tenders were called for the balance of the flood repair works in the Aorere River classified 'Y' rating area. Only one tender was received for the works which was accepted and the Contract awarded to Sollys Freight (1978) Ltd.

6.10 Two contracts were prepared over the report period for River Z flood damaged works in the Murchison and Wangapeka areas. Both of these contracts were restricted to contractors registered under the bridges panel. This resulted in only three contractors tendering for the Wangapeka works and only one for the Murchison works. The lowest conforming tenders for both contracts were substantially over the Engineers estimate and were declined. The main issue for the contract prices being over the Engineers Estimate appears to be related to the availability of rock

6.11 Entry agreements were also forwarded to all affected landowners within the River Z proposed works areas but unfortunately not all agreements were returned.

6.12 Global Rivers Consent

Engineering Services have now received the Section 92 request for further information. A number of matters have been raised for the project team to consider and address before the application can go to a hearing. Council staff and the consultants are working through these matters.

7 ROAD SAFETY

7.1 Stopping Distance demonstrations

This project was run from Monday 23 May – Friday 27 May across Tasman and Nelson. It was a joint project with assistance from Nelson City Council, Fulton Hogan, NZ Police and staff at Tasman District Council. Despite some wet weather all demonstrations went as planned and all volunteers and most schools attended. In all there were 26 demonstrations over the week involving 28 schools and around 5,000 students, teachers and the wider community.

7.2 During each demonstration a car with a trained driving instructor travelled along a stretch of road at three different speeds – 20km/hr, 50km/hr and 60km/hr. The car started and braked at the same point on each run and showed how travelling at the different speeds takes a different amount of time to stop, and how long it takes to stop. At each demonstration the reaction time was also discussed which adds to

the overall stopping distance. The audience were also shown how far it would take the car to stop if travelling at 100km/hr. The photographs below show some of the demonstrations.



7.3 Special thanks to all staff from Tasman District Council who helped during the demonstrations; without these volunteers the project would not have run as smoothly and safely as it did. The Police Education Officers, especially John O'Donovan who was the MC for the whole week, were also vital in ensuring this project went smoothly. Thanks also to Fulton Hogan staff who competently and efficiently provided traffic management at each site.

7.4 A video of some of the demonstrations can be viewed on Council's website.

7.5 Part of the RYDA (Rotary Youth Driver Awareness) programme that was run in March at the A&P Showground's is a stopping distance demonstration. During one day of the week as well as taking the stopping distance project to Golden Bay the RYDA programme was run for Year 11 students from Golden Bay High School and Collingwood Area School. The new general manager of RYDA visited Nelson and Tasman in May and said the programme run in Nelson/Tasman has been used as a good example to others in NZ.

7.6 Road Safety tabloids

During June two road safety tabloids will be published. The first one on intersections and roundabouts will focus on how these intersections and roundabouts should be used correctly.

7.7 In conjunction with the tabloid a quiz will be run on local radio involving questions where the answers can be found in the tabloid. The campaign will also involve people of different ages from Tasman and Nelson who will take part in a short driving test with a qualified driving instructor and a session in a high spec driving simulator. Afterwards the results of these will be featured on radio.

7.8 The second tabloid is aimed at motorcyclists and other vehicle drivers in respect to motorcyclists. For motorcyclists there will be advice on cornering, correct riding gear, hi-visibility gear and council run training courses. For the other vehicle drivers it will remind them to take that second look for motorcyclists.

7.9 Motorbikes

There has been an increased uptake of riders participating in the motorbike courses during 2010/2011, with more new riders attending. The courses have been extended from just off-road courses either at ENZA or the kart track to some on-road courses. These on-road courses will be further developed during the next financial year. There are also plans to run a course in Golden Bay and one specifically aimed at young scooter riders before the end of this financial year.

7.10 Child restraints

Discussions are currently being carried out with other local agencies for funding to enable more people to be trained as child restraint technicians. This training will provide them with the theory and practical knowledge on the correct installation of child restraints. They will then be able to assist during localised child restraint checking clinics and to ensure child restraints are correctly installed within their local community.

8 COASTAL STRUCTURES

8.1 Mapua Wharf Pontoon

The tenders received for the Mapua Pontoon are well above the engineers estimate for the work. Additional funding is needed to carry out the work as per the tender documents. All tenders have been declined for this work.

8.2 Council staff have reconsidered the design and requirements for the pontoon and have an amended design that can be built at a lower cost.

8.3 The redesigned structure will meet the requirements of the Building Act and the needs of the users of this area. It will enable off-the-shelf elements to be installed at a lower cost. Tender documents are being prepared for the new design. The consent process is still being followed with the redesign having less impact than the current application and accordingly should not need to be re-notified as the effects are less.

8.4 It should be noted that during the recent Open Forum with the community at Mapua there was a strong desire to have a pontoon installed as part of the wharf recreational area.

9 TENDERS

9.1 Five tenders have been awarded since the last meeting.

No.	Contract name	No. of tenders	Successful tenderer	Amount	Highest amount	Council estimate	Budget for this item	Comment
820	Various pedestrian improvements 2010-2011	2	Tasman Civil	\$238,365	\$292,325	\$232,916	-	Part of total subsidised roading minor improvement budget
828	New footpaths and pram crossings	4	Concrete & Metals	\$136,749	\$199,133	\$174,175	-	Funded from several non-subsidised roading budgets
830	Aorere and Kaituna Rivers flood damage repairs	1	Sollys Freight	\$302,334	-	\$296,040	-	Funded from various sources as an Emergency Works event
834	Structural bridge repairs – 2011 – Package 1	2	Adcock & Donaldson	\$78,049	\$131,610	\$89,100	-	Part of total subsidised roading structures component replacement budget
841	Structural bridge repairs – 2011 – Package 2	1	Adcock & Donaldson	\$63,729	-	\$88,000	-	Part of total subsidised roading structures component replacement budget.

10 RECOMMENDATION

10.1 That the report be received.

11 DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Transportation Report RESC11-06-02.