

Report No:	RESC11-04-02
File No:	
Date:	14 April 2011
<i>Information Only – no decision required</i>	

REPORT SUMMARY

Report to: Engineering Services Committee
Meeting Date: 28 April 2011
Subject: Transportation Report
Report Author: Gary Clark

EXECUTIVE SUMMARY

This report details the activities in the Transportation area for the April period.

RECOMMENDATION

That the report be received.

DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Transportation Report RESC11-04-02.

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1. OPERATIONS AND MAINTENANCE CONTRACTS

1.1 Tasman Maintenance Contract 757

1.2 Items completed in January and February include:

- Redwood Valley Lane culvert and walkway.
- Significant progress on pavement repairs and drainage improvements as part of pre-reseal repairs for 2011/12 reseal season.
- Moutere Highway drainage improvements at Redwood Cellars.
- Rowling Loop 900mm diameter culvert replacement.
- Decks Reserve carpark drainage improvements, in preparation for reseal to be completed late March.
- Higgs Road sump installation.
- Steady progress on full network remark, although completion is overdue.

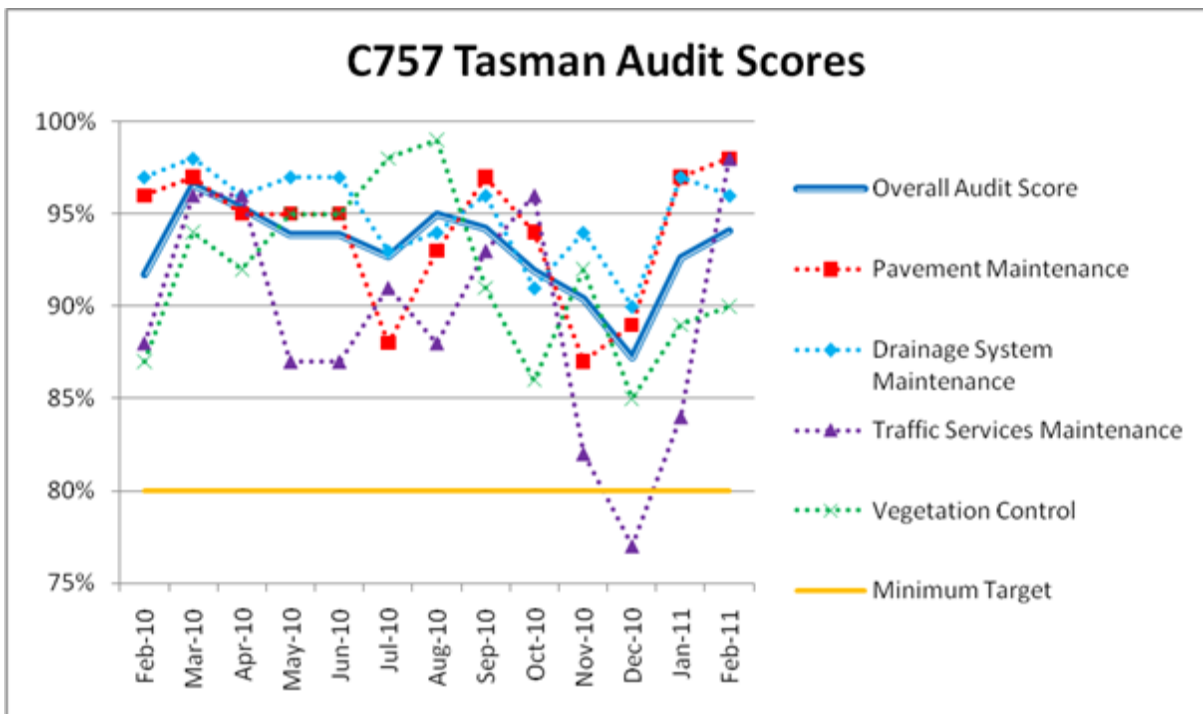


Redwood Valley Lane Culvert and Walkway

1.3 Items underway and/or programmed for completion in March-April 2011 include:

- Completion of network remark.
- Completion of 2011/12 pre-reseal repairs.
- Upper Moutere township drainage improvements near store.
- Reducing backlog of overdue customer service requests and other programmed work.
- Moutere Highway/Holdaway Road sight distance improvements.
- Pre-winter meeting with Tasman District Council/Downer/MWH to discuss frost and ice control requirements and expectations.
- Beginning of programmed unsealed road metalling in April.
- Delivery of night time inspection report

1.4 Downer performance has been steady with good focus now being shown to reduce the customer service request backlog and better manage these going forward. The results of recent MWH audits of the network condition are shown in the following chart.



1.5 The condition of the network overall continues to meet the required standard and has improved from a low in December 2010.

1.6 Waimea Maintenance Contract 758

1.7 Items completed in January and February include:

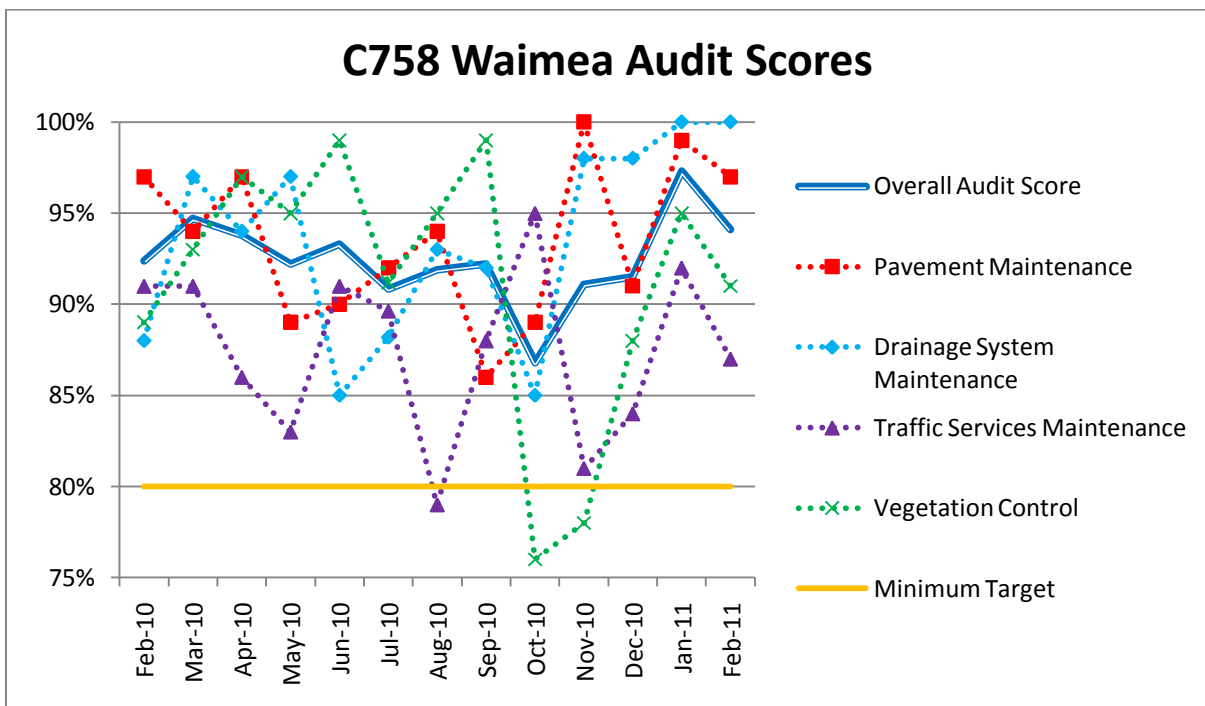
- Significant progress on pavement repairs and drainage improvements as part of pre-reseal repairs for 2011/12 reseal season.
- Steady progress on full network remark, although completion is overdue.

1.8 Items underway and/or programmed for completion in March-April 2011 include:

- Completion of network remark.
- Completion of 2011/12 pre-reseal repairs.
- Hinetai Road earthworks (widening).
- Pre-winter meeting with Tasman District Council/Downer/MWH to discuss frost and ice control requirements and expectations.
- Beginning of programmed unsealed road metalling in April.
- Delivery of night time inspection report

1.9 Downer performance on this contract has been steady; however a lack of attention to unsealed pavements following a period of wet weather has resulted in increased complaints. A big effort has been put into catching up on outstanding work in the Waimea area, which is pleasing to see.

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



1.11 As with the Tasman audit scores there has been an improvement from the lows at the end of last year. There has been a recent drop in February 2011 scores

however early indications show that March 2011 is on the improve which ties in with new personnel that have started at Downers.

1.12 Golden Bay Maintenance Contract 788

1.13 Normal maintenance activities have been undertaken as well as some emergency repairs in the Collingwood area following further flooding and strong winds in January.

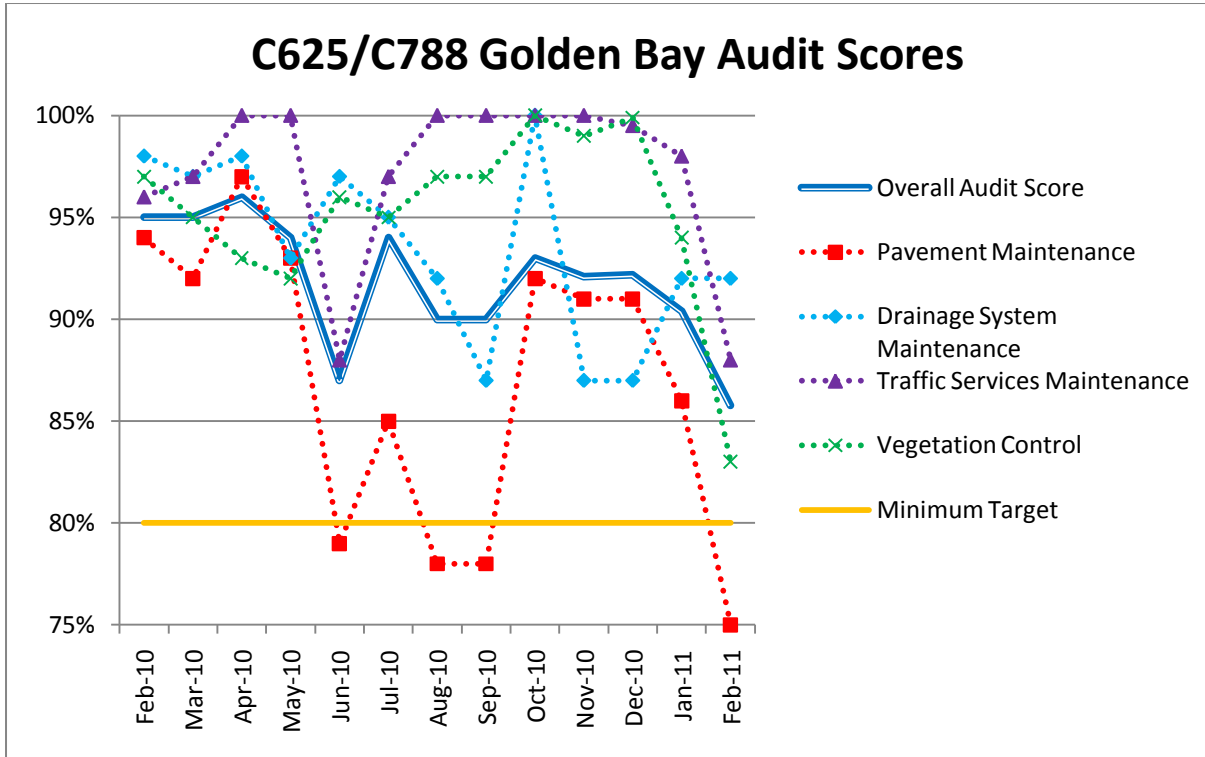
1.14 Items completed during January and February include.

- Cobb Dam Road Lower slip reinstatement was completed.
- Reseals were completed.
- Flood damage to roading network was repaired to a safe trafficable condition and any remaining hazards minimised.
- Emergency response to strong winds and tree fall.
- Aorere Valley and Collingwood Puponga culvert repairs and upgrades completed.
- Completion of the Pohara shop upgrade.

1.15 Items programmed for March and April include:

- AC levelling slumps on the Cobb Lower Dam Road
- Storm water drain flushing by Punts
- Further compacted gravel overlays
- Pest pant spraying
- High shoulder removal on programmed roads
- Kaihoka Lakes slump repair and culvert upgrade
- Delivery of night time inspection report

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



1.17 Overall network condition is down on the previous score, due to several pavement failures being identified on audited sections, and some overhanging vegetation requiring trimming. However an audit just completed in late March shows improvement in both pavement and vegetation maintenance.

1.18 Murchison Maintenance Contract 787

1.19 Communication with MWH is good with any items of interest being quickly brought to attention. Self auditing is now happening regularly.

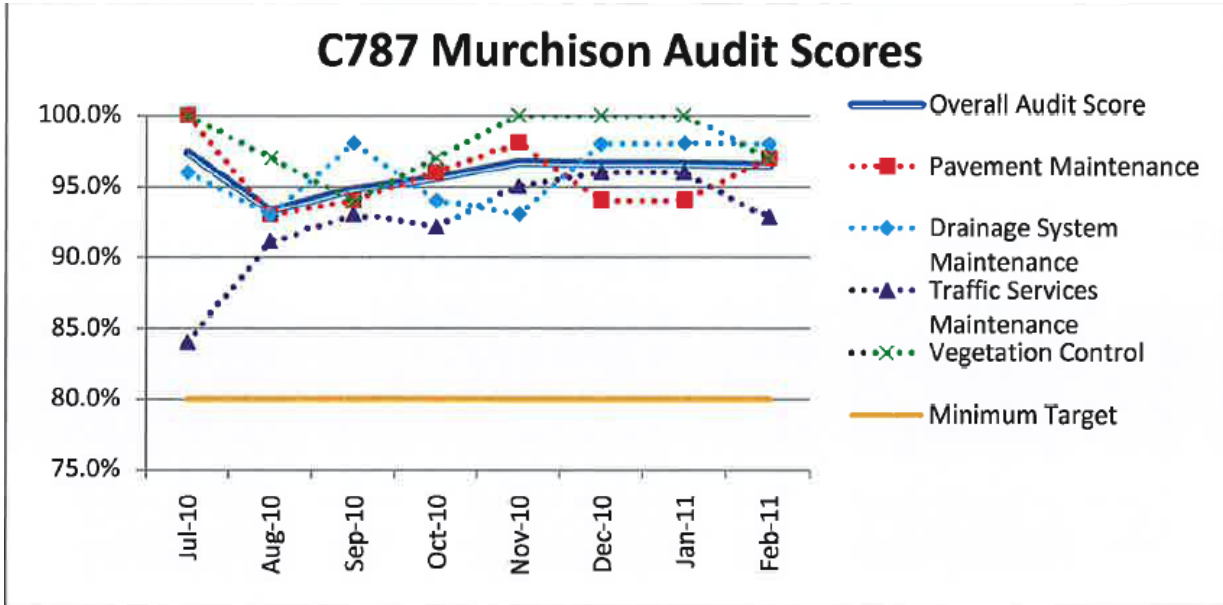
1.20 Items completed in January and February include:

- Completion of December flood cleanup and repairs.
- Matiri Valley Road Drainage Improvements.

1.21 Items underway and/or programmed for completion in March and April 2011 include:

- Fairfax Street soak pit.
- Drainage improvements - Matakaitaki West Bank Road and Howard Valley Road.
- Tutaki Rd South unsealed dig-outs.
- Waller Street School access repairs.
- Delivery of night time inspection report.

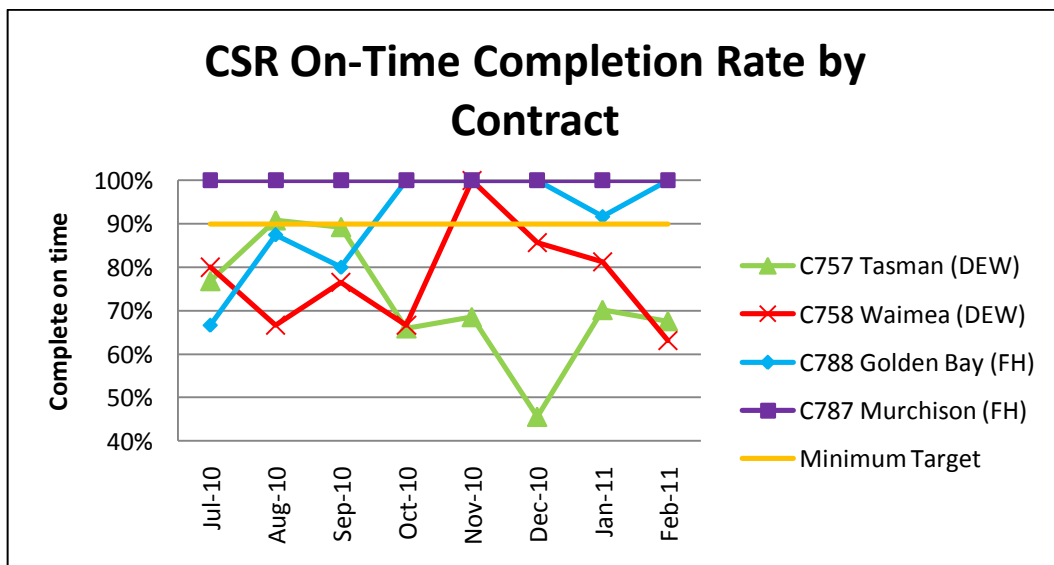
1.22 The results of recent MWH audits of the network condition are shown in the following chart:



1.23 The Murchison Contract continues to perform very well which is attributed to the ownership of the road network by the Contractor which results in positive feedback from the community and lower ongoing costs for Council.

1.24 Summary of Network Performance

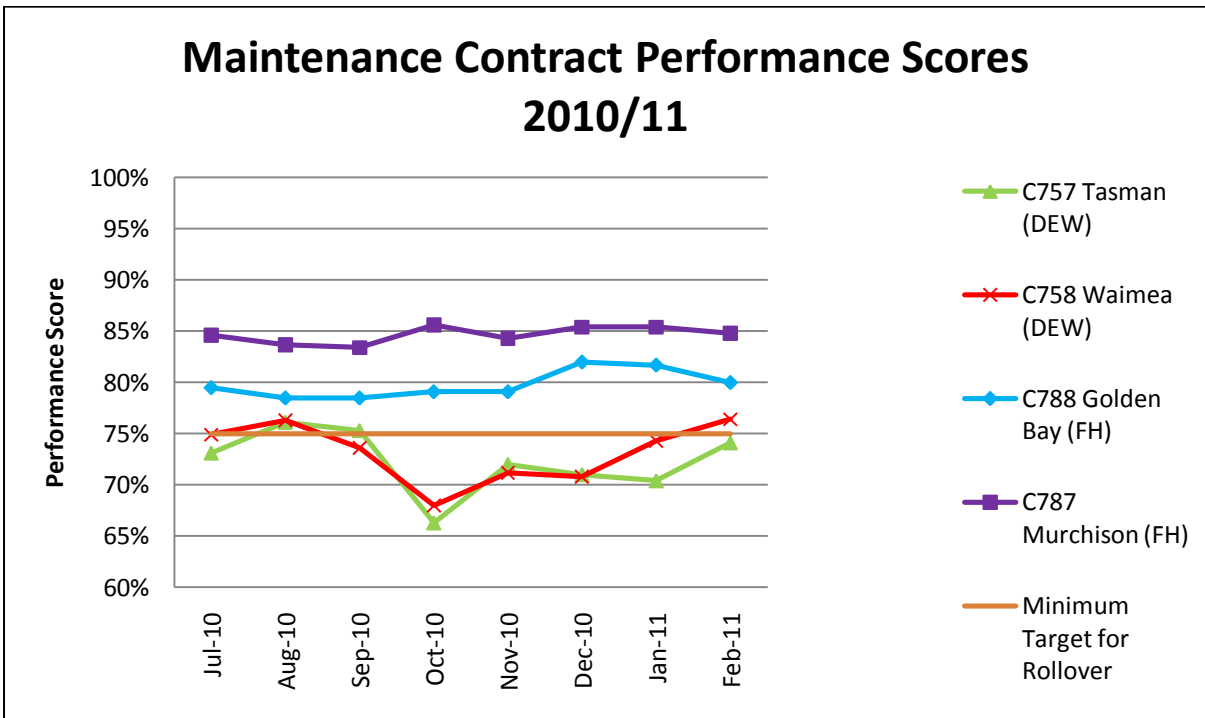
1.25 Customer Service Requests (CSR) - CSR completion rates over the four contracts are summarised in the following graph.



1.26 Downers are still not achieving 90% on time completion as required. This will continue to be a focus for the project team.

1.27 Performance Scores

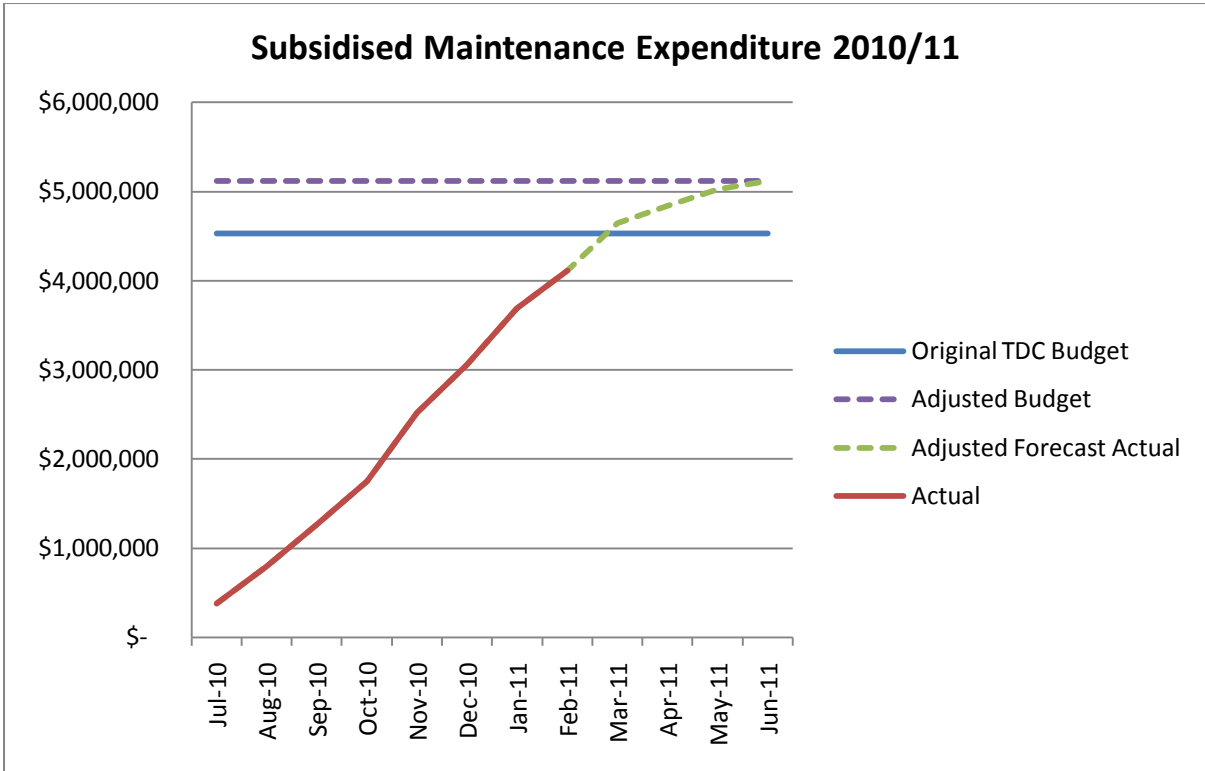
1.28 Based on MWH audits of the contractor’s maintenance work, systems and overall contract delivery, the following graph tracks the Performance Score Summary over the four contract areas.



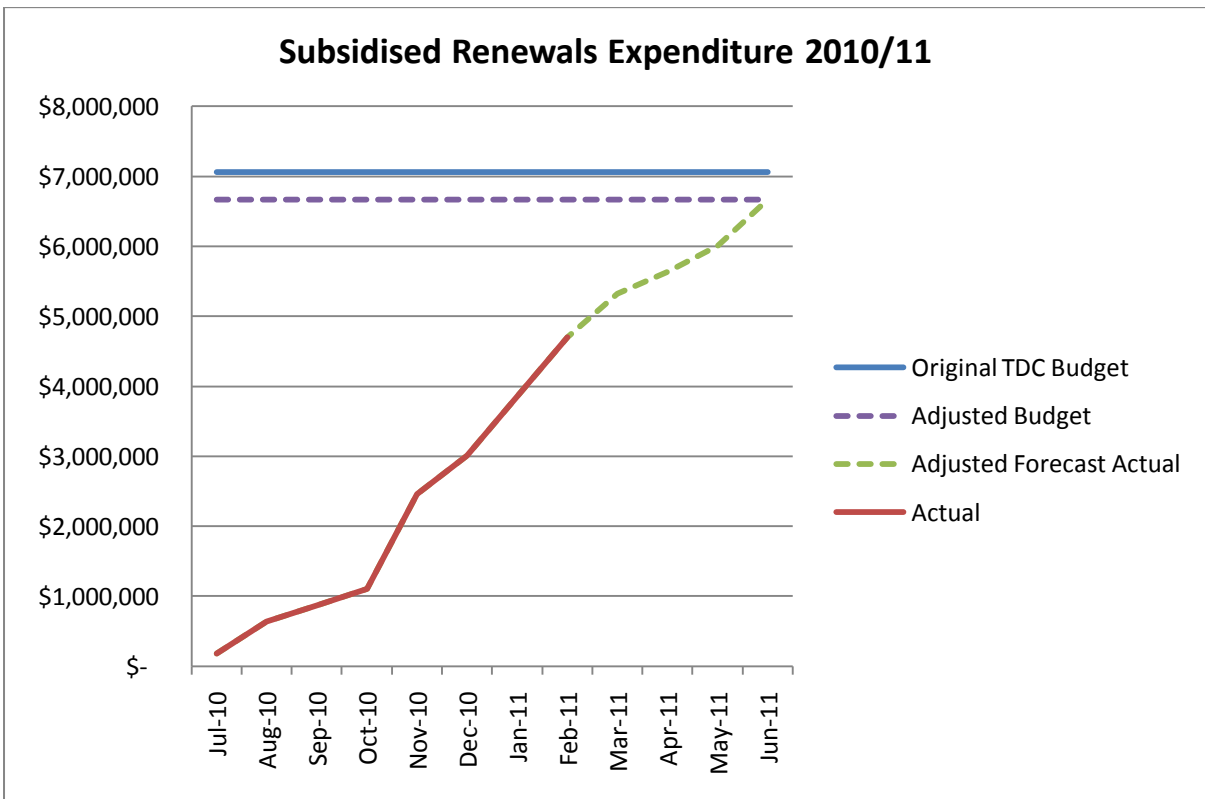
1.29 Overall performance by Downer has improved in early 2011. At of the end of February the Waimea contract is above the minimum target with the Tasman contract just below the line.

2 Financial

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



2.2 Forecast subsidised maintenance expenditure has caused some concern during February with regards to exceeding budget in 2010/11 financial year.



- 2.3 Subsidised maintenance expenditure is tracking slightly behind budget with forecast slightly under spent in 2010/11.
- 2.4 Overall subsidised maintenance and renewals will be managed to within 2% of original Council budgets. A separate workshop will be held after the committee meeting to discuss the funding issues relating to the road maintenance contracts.

3 CONTRACT C684 STREET LIGHTING

- 3.1 Powertech continued to perform well again during February and March. There were no late CSRs in March.
- 3.2 Powertech has been instructed to commence the first stage of the mercury vapour lamp upgrades. The second and final stage is under review, a further instruction for this work will follow in early April.
- 3.3 The outcome of the two stages of work is to replace all existing mercury vapour lamps within the district with new high pressure sodium lamps before the end of the financial year.
- 3.4 The current street light maintenance contract is due expire on 30 June 2011. MWH and Council are to confirm the maintenance strategy in early April and following this work will begin immediately on the preparation of the new contract.

4 CONTRACT 790 BRIDGE STRUCTURES MAINTENANCE

- 4.1 Adcock and Donaldson continue to perform well, however recently there have been two traffic management non-compliances.
- 4.2 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 and bridge joint work as the shelf life and application temperature of the product did not allow this to be deferred till next financial year.

5 PROJECTS

5.1 James Road Bridge

- 5.2 Expressions of interest will be advertised shortly with the project being a design and build works. The expression of interest phase of the project will result in three options being considered to go forward for further design work. At the end

of this process the most appropriate design will be reported back to Council for their approval to proceed to construction.

- 5.3 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.

5.4 Stringer Road

- 5.5 The construction and sealing of Stringer Road is on track for completion by late May.

- 5.6 Approximately just under half of the road from the state highway end is sealed and the footpath completed. The work on the state highway involving widening of the seal, street lighting and guard-rail work is all complete.

- 5.7 The last section of the work extending through to the road end is presently under construction. This work involves earthworks, installing new large culverts, pavement construction, sealing and construction of a crusher-dust footpath.

- 5.8 Below are photos of the work completed and in progress:



Stringer Road seal section from SH 60 to approximately stn 700m



Section beyond Stn 700m with sub-base laid



Earthworks formation to subgrade level on last section of Stringer Road

5.9 Moutere Highway Seal widening

5.10 This work is progressing well with completion due shortly. CJ Industries of Motueka are undertaking the work. Additional work has involved installing Gabion Baskets filled with stone in areas of steep batters.



5.11 Contract 828 – New Footpaths & Pram Crossings

5.12 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.

5.13 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 provisional item for a new section of path in front of the fuel station at Brightwater.

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

5.15 Contract 820 Minor Improvement Works

5.16 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

5.18 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 Conservation has been received and now awaiting response from Iwi at time of writing.

5.19 Salisbury/Arbor Lea Intersection – Traffic Signals

5.20 This work is presently in the final stages of planning and construction drawings being prepared. Consultation with the local residents has begun.

5.21 The Ministry of Education is contributing 50% of the cost with Council's share coming from its Subsidised Roding Minor Improvements budget.

5.22 The work is due to be tendered shortly and let by early June 2011 with work proceeding in the new 2011/12 financial year.

6 RIVERS

6.1 Annual River Maintenance Programme and Flood Work

6.2 This report covers works completed in the January / February period. As a result of the flood event in December 2010, there has been a significant amount of time spent in inspecting river damage from Collingwood to Murchison.

6.3 There was one major repair works undertaken on the Aorere River on Don Riley's property located in the Y Classified area.

6.4 The total cost of this works to date is approximately \$490,000 which involved the reinstatement and rock protection of the right bank over a distance of approximately 520 metres.

6.5 The total assessed damage in both the River Y and Z areas is in the order of \$2.32 million.

6.6 The LAPP fund assessor from Cunningham and Lindsay has visited all the flood damaged assets in the Classified 'Y' area of the Aorere River.

6.7 The Contractor's work claim for January was \$133,177 and \$87,514 for February 2010 giving a total expenditure on the AOMP to date of \$723,011 out of a revised budget of \$1,422,067.

6.8 The contractor is approximately \$72,500 behind their own supplied budgeted expenditure for this period.

6.9 The contractor's January claim relating to chemical spraying was reduced by 60% as a result of inconsistencies of areas measured during auditing as well as areas missed during spraying.

6.10 The contractor has agreed to review these areas measured as well as to follow up on missed spray areas.

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

- flood damage repair works involving bank reinstatement and rock bank protection works on the Aorere River;
- rock protection - Lower Motueka, Riwaka, Waimea and Moutere Rivers;
- crack willow removal - Dove, Wai-iti, Waimea, Riwaka, Moutere and Tadmor Rivers;
- mechanical clearing – Moutere, Riwaka Wai-iti and Dove Rivers;
- chemical spraying - Lower and Upper Motueka, Motupiko, Waimea and Takaka Rivers; and
- miscellaneous - tree removal from Tadmor River and rubbish removal from Waimea River.

6.12 The existing rivers maintenance contractor, Ferguson Bros Ltd was offered a contract rollover on the same terms and conditions as the previous Contract 760.

6.13 Ferguson Bros Ltd has advised Council that they will not be accepting the rollover and will not be tendering for the new maintenance contract. New documents are currently being prepared to ensure a new contract is in place by 1 July 2011.

6.14 2011/2012 Annual Operating Maintenance Programme (AOMP)

6.15 The scheduling of the 2011/2012 AOMP works programme over the report period has been delayed due to the emergency work and other river contract commitments.

6.16 River Y

6.17 The River Y area has 18 flood damage sites on the lower Aorere and Kaituna Rivers.

6.18 The work for replacing the rock walls has been tendered and let under our new procurement strategy. There was one tender received with five companies from the supplier panels collecting documents.

6.19 The successful tenderer was Solly's Freight Limited with a price of \$296,500. The engineers estimate was \$296,000. Work is expected to start on repairing the damage soon with some remaining issues around rock supply to be confirmed. Completion date is expected to be 15 June 2011.

6.20 River Z

6.21 There has been approximately 42 sites identified in the River Z area that require follow up protection works after the flood event in December 2010. A register has been produced with a combined value of damage estimated at approximately \$1.0 million.

6.22 Contracts are presently being prepared for river works to be undertaken in both the Murchison and Wangapeka areas.

6.23 Entry agreements are in the process of being prepared for each landowner where flood damage works are proposed to be undertaken as per the contract schedule of works.

6.24 Global Rivers Consent

6.25 The global rivers consent is progressing slowly through the consent process. As part of the process it was considered necessary to carry out a cultural impact assessment to address potential Iwi issues with regard to the management of the river system.

6.26 The cultural impact assessment has now been completed and passed to Council for inclusion in the consent application. Council's consent team will now prepare a Section 92 Request for further information and once Engineering staff have responded a hearing date will be set.

7 MOTUEKA FLOOD CONTROL PROJECT

7.1 At its February meeting, the Engineering Services Committee agreed to undertake consultation with the Motueka community regarding the five identified practicable and reasonable options along with the status quo (do nothing) for the Motueka Flood Control project.

7.2 In line with this decision Council staff and our consultants held a meeting on 20 April 2011 with an open forum in the afternoon followed by an evening public meeting. The forum allowed a one-on-one discussion with the expert team and staff to discuss and provide information on the options. The team will collate the information gained from this meeting to be presented to Council at a later date.

The evening meeting was a formal presentation of the Flood Control Project. It included the following aspects:

- A brief outline of the problem and objectives of the project as described in the report to the Engineering Services Committee on 11 November 2010.
- Some material relating to the consultation feedback on different options and ideas from the community with regard to addressing the flood control issue.
- The final part presented the five options and status quo with the advantages and disadvantages of each scheme.

7.3 The information from this meeting and the consultation phase will be reported back to the next Engineering Services Committee Meeting.

8 ROAD SAFETY

8.1 Intersections

8.2 The next joint Tasman and Nelson tabloid focusing on intersections is being developed. Intersections with high crash statistics will feature with explanations on the correct way to use these intersections. There will also be a focus on roundabouts.

8.3 A quiz will be broadcast on local radio that will involve questions with the answers available in the tabloid. There will be a daily question with a \$50 petrol voucher up for grabs each day. 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. Afterwards the results of this test will be featured on the radio. There is also a possibility that a driving simulator will be in the district at the same time. This will be dependent on availability and funding.

8.4 Rotary Youth Driver Awareness (RYDA) campaign

8.5 This campaign was run during March 21 – 25 with Year 11 students spending a day at the A & P Show Grounds. The students attended five different sessions – Plan B; It's your choice and Consequences; Hazard awareness and Defensive driving; My Wheels; Stopping distance demonstration. This was a joint campaign run in conjunction with the Police, ACC, local rotary clubs, Nelson City Council, the Brain Injury Trust and local driving instructors.

8.6 Students from Murchison Area School, Motueka High School and the Abel Tasman Educational Trust attended and the project is being taken to Golden Bay next month.

8.7 Alongside this campaign the Last Choice Car from Greater Wellington District has been available to high schools. This is based on a crash that happened in the Wellington area involving young drivers, speed, alcohol and driving outside of vehicle limitations. A five minute video accompanies the crashed car on a trailer and has been used in high schools in assemblies and individual class times.

8.8 Stopping Distance demonstrations

8.9 This joint project with assistance from Nelson City Council, Fulton Hogan, NZ Police will provide demonstrations across the District so all schools will have the opportunity to attend a demonstration without the need of travelling too far. There will be extensive promotion and advertising before the demonstrations as some roads will need to be closed and traffic management will need to be carefully planned at each different location.

8.10 As well as students, people from the wider community will be encouraged to attend.

8.11 During each run a demonstration car will travel along a stretch of road at three different speeds – 20 kmh, 50 kmh and 60 kmh. These speeds were chosen as 20 kmh is the legal speed limit past a stationary school bus (in both directions of travel), 50 kmh is the speed limit outside most schools and in urban areas, and 60 kmh is the speed that a lot of vehicles travel in 50 kmh areas. The demonstration car will start and brake at the same point on each run, but will then show how travelling at the different speeds takes a different amount of time to stop.

8.12 Volunteers are needed at each location to assist with traffic control at side roads and driveways and to help with ensuring the students stay in allocated spaces. However if you cannot spare a whole morning or afternoon but would like to view a demonstration then please contact Krista for exact times of the different demonstrations at each location

8.13 Details of locations, times are:

- Monday 23 May – Fairfax Street, Murchison, am; Matai Crescent, Tapawera pm
- Tuesday 24 May – Wadsworth Street, Takaka, all day
- Wednesday 25 May – Grey Street, Motueka, am; Iwa Street, Mapua, pm
- Thursday 26 May – Pitfure Road, Wakefield am; Nayland Road, Nelson pm
- Friday 27 May – Church Street, Richmond am; Tipahi Street, Nelson pm

8.14 Motorbikes

8.15 The last training courses for this financial year were held in April. Overall 11 courses were held with 110 students attending. Of these 11 courses, four were off-road refresher/advanced courses, five were off-road intermediate courses and one on-road intermediate and one on-road advanced.

8.16 The courses were aimed at different riders, from college students on 50cc scooters to those who have been riding 40-plus years. Each course was fully subscribed and feedback was positive.

8.17 Motupipi School – Driver Feedback Sign

8.18 As reported previously a driver feedback sign has been installed outside Motupipi School to address concerns raised by parents with regard to safety. These signs are very specialised and expensive to install.

8.19 The sign has been installed on a trial basis to determine the effectiveness of this device on driver behaviour and in particular the speed of vehicles past the site at peak times.

8.20 A series of “before” surveys have been undertaken. “After” surveys are being carried out to determine the change in driver speed over time and with different settings to the message delivered to the driver. On completion (expected by September), staff will report back to Council with the results and its potential use in increasing safety around schools.

9. ACCESSIBILITY FOR ALL (A4A)

9.1 The A4A forum continues to meet quarterly with good numbers in attendance. At the last meeting in February 2011, Councillor Judene Edgar was confirmed as the chairperson.

9.2 Guest speakers have included Brian Say from the Association of Blind Citizens and Fraser Benson from Red Cross, Nelson. Fraser passed on information on the Red Cross bus which takes people to and from appointments if they have a mobility problem.

9.3 Actions arising from the last meeting include:

- Preparing a submission to Nelson City Council regarding accessibility of footpaths in The Wood area and advocating the painting of the Nelson City accessible car parks blue.

- Investigation into beach access for those with mobility issues and methods used elsewhere to overcome this problem.
- A wheelchair availability list – either to loan or hire in the Tasman district.
- Establishing a “user friendly” checklist/information sheet for businesses to help them assess their premises for accessibility.

9.4 The forum is also keen to have a workshop with councillors to look at accessibility and mobility issues around the Richmond central business district.

10 ACTIVE TRANSPORT

10.1 Cycling

10.2 Ride On is a new project aimed at centralising the various cycle projects across the region into one package. The various elements such as UpCycle, the Way2Go cycle skills trailer and school cycle training will continue. The difference is that all these various schemes will be put under one umbrella with one or two changes that make it different to other packages around the country. There will be a partnership between the two councils, the health board, the police educators and Way2Go.

10.3 The activities on offer are:

- The UpCycle course for those returning back to cycling.
- The school cycle skills training presently coordinated by the Police Education Officers
- The relatively new Way2Go cycle skills trailer which has a number of wooden elements has aimed at improving rider skills. This has been trialled extensively at schools around the district including Ranzau and Tasman.
- A new theory test for those who are cycling to school by themselves at an intermediate age. The aim of this exercise is to introduce students to the road rules so that by the time they are old enough to drive a car they will have a better awareness of what is expected of them. This will be combined with a skills card based on three levels of attainment. These complement the skills advocated by the New Zealand Transport Agency (NZTA) and the Cycling Advocacy Network and will focus at level two and three on road riding skills. The theory test will become the fourth strand of these skill cards. This was initiated through the intermediate schools wanting something more structured for students cycling to school and receiving just a few lessons from the Police Education Officers prior to being unleashed on the roads. Training will take place so that six people in the region will be trained to teach cycle skills to level 3. These key people still need to be identified along with their capacity to successfully deliver the training programme.

- A new safer cycling map is being produced. This will help students plan safer routes to school by allowing them to view where difficult intersections are and where there is infrastructure to assist them in creating a safer route. This can be used as an interactive teaching aid either in school, with the Police Education Officers or at home with parents. Student engagement is expected as there is a challenge to the map and it can be viewed as a game. The map is tool that can be given out with enrolment packs for intermediate schools (and colleges at a later date) or even used with adult cycle groups that work with Way2Go. Feedback can potentially be fed back into council and used to highlight areas that are difficult to negotiate for cyclists and pedestrians.

10.4 It is thought that this project will be ready to be rolled out by July 2011 in preparation for the spring when more students are getting back on their bikes after the winter. It also enables the project to be trialled before launching it to schools at the beginning of Term 4.

10.5 Maps will be produced using The Top of the South map system and will be localised to each school area. Initially we will work on maps for Richmond, Motueka and Takaka.

11 RUBY BAY BYPASS – SH60 REVOCATION

11.1 As Council will be aware the old state highway that now bypasses Mapua, Ruby Bay and Tasman has been passed to Tasman District Council to maintain. The notice to formally move the state highway designation to the new Ruby Bay Bypass has not yet been formally gazetted.

11.2 Accordingly the former state highway is now a Council asset to operate and maintain. A significant amount of work has been undertaken on the old road to bring it up to our requirements including resealing and smoothing of some sections. The maintenance of this road should be relatively minor until new funding is obtained as part of the 2012 – 2015 Regional Land Transport Programme.

11.3 The new asset will need to be valued as the method NZTA use to value their asset is different to the procedures Council is required to follow. This will be carried out in the near future and we are asking NZTA to fund this work.

12 TENDERS

One tender has been awarded since the last meeting.

No.	Contract name	No. of tenders	Successful tenderer	Amount	Highest amount	Council estimate	Budget for this item	Comment
825	Roadside drainage improvements 2010-2011 Package 1	4	CJ Industries	\$99,462	\$230,529	\$198,150	-	Part only of total subsidised roading drainage renewals.

13 RECOMMENDATION

13.1 That the report be received.

14 DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Transportation Report RESC11-04-02.