



# AGENDA

**Ordinary meeting of the**

**Works and Infrastructure Committee**

**Thursday 16 February 2017**

**Commencing at 9.00am**

**Council Chamber**

**Civic House**

**110 Trafalgar Street, Nelson**

Membership: Councillor Paul Matheson (Chairperson), Her Worship the Mayor Rachel Reese, Councillors Luke Acland, Bill Dahlberg, Matt Lawrey, Gaile Noonan, Tim Skinner and Stuart Walker (Deputy Chairperson)

Guidelines for councillors attending the meeting, who are not members of the Committee, as set out in Standing Orders:

- All councillors, whether or not they are members of the Committee, may attend Committee meetings (SO 2.12.2)
- At the discretion of the Chair, councillors who are not Committee members may speak, or ask questions about a matter.
- Only Committee members may vote on any matter before the Committee (SO 3.14.1)

It is good practice for both Committee members and non-Committee members to declare any interests in items on the agenda. They should withdraw from the room for discussion and voting on any of these items.

**16 February 2017**

Page No.

**1. Apologies**

Nil

**2. Confirmation of Order of Business****3. Interests**

3.1 Updates to the Interests Register

3.2 Identify any conflicts of interest in the agenda

**4. Public Forum**

4.1 Steve Cross - Nelson Residents Association

Steve Cross, from the Nelson Residents Association, will speak about the state of Nelson's infrastructure including the results of his benchmarking work done between Nelson City Council and other Councils throughout the country.

**5. Confirmation of Minutes**

5.1 17 November 2016

**8 - 15**

Document number M2199

Recommendation

***That the Committee***

***Confirms the minutes of the meeting of the Works and Infrastructure Committee, held on 17 November 2016, as a true and correct record.***

**6. Status Report - Works and Infrastructure Committee - 16 February 2017 16 - 20**

Document number R7129

Recommendation

***That the Committee***

***Receives the Status Report Works and Infrastructure Committee 16 February 2017 (R7129) and its attachment (A1710450).***

**7. Chairperson's Report 21 - 23**

Document number R7150

Recommendation

***That the Committee***

***Receives the Chairperson's Report (R7150); and  
Appoints the Chairperson of the Works and Infrastructure Committee to the Councillor Liaison role for Accessibility for All for the 2016 – 2019 triennium.***

**TRANSPORT AND ROADING**

**8. Tresillian Avenue Resurfacing 24 - 28**

Document number R7025

Recommendation

***That the Committee***

***Receives the report Tresillian Avenue Resurfacing (R7025) and its attachment (A1710390).***

## **WATER, WASTEWATER, STORMWATER**

### **9. Capital Expenditure Programme 2016-17 Quarter 2 Progress Report**

**29 - 37**

Document number R6962

Recommendation

***That the Committee***

***Receives the report Capital Expenditure Programme 2016-17 Quarter 2 Progress Report (R6962).***

Recommendation to Council

***That the Council***

***Approves, with respect to project 2964 Saxton Creek Culvert to Sea flood protection, that \$190,000 be transferred from the 2022/23 budget allocation to 2017/18 to enable the detailed design and resource consent to be completed in 2017/18; and***

***Approves, with respect to project 2624 Nile Street East stormwater and flood protection, that***

- \$615,550 of current year budget be transferred to 2017/18, and that the construction stage be moved to 2017/18,***
- and that an additional \$160,000 construction budget in 2017/18 be approved, and that***
- the total required construction budget of \$775,550 is included as a commitment in the draft Annual Plan 2017/18; and***

***Approves, with respect to project 2473 Wastney Terrace piping ditch (stormwater),***

- that \$720,000 of current year budget be transferred to 2017/18, and that***
- an additional \$130,000 for construction budget in 2017/18 be approved, and that***
- the total required construction budget of \$850,000 is included as a commitment in the draft Annual Plan 2017/18; and***

**Approves, with respect to project 2894 Poorman Valley Stream Walkway, that \$107,000 be transferred from 2017/18 to 2018/19; and**

**Approves, with respect to project 2555 Water Treatment Plant membranes,**

- **that \$1,081,310 be transferred from 2018/19 to 2016/17, and that \$938,690 be transferred from 2017/18 to 2016/17, and that**
- **additional 2017/18 budget of \$352,500 be approved, to enable early ordering of two sets of membranes, and that**
- **the total required budget of \$467,000 in 2017/18 be included as a commitment in the draft Annual Plan 2017/18.**

## **PUBLIC EXCLUDED BUSINESS**

### **10. Exclusion of the Public**

Recommendation

***That the Committee***

**Excludes the public from the following parts of the proceedings of this meeting.**

***The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:***

<b>Item</b>	<b>General subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Particular interests protected (where applicable)</b>
<b>1</b>	<b>Green Waste Tender Update/Approval</b>	Section 48(1)(a)  The public conduct of this matter would be likely to result in disclosure of information for which good reason exists under section 7	The withholding of the information is necessary: <ul style="list-style-type: none"> <li>• Section 7(2)(i) To enable the local authority to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)</li> </ul>

## **11. Re-admittance of the public**

Recommendation

***That the Committee***

***Re-admits the public to the meeting.***

### **Note:**

- **This meeting is expected to continue beyond lunchtime.**
- **Lunch will be provided at 12.30pm.**
- **Youth Councillors Jamie Morgan and Campbell Rollo will be in attendance at this meeting.**

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**Minutes of a meeting of the Works and Infrastructure Committee**

**Held in the Council Chamber, Civic House, 110 Trafalgar Street,  
Nelson**

**On Thursday 17 November 2016, commencing at 9.00am**

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**Present:** Councillor P Matheson (Chairperson), Her Worship the Mayor R Reese, Councillors L Acland, B Dahlberg, M Lawrey, G Noonan, T Skinner and S Walker (Deputy Chairperson)

**In Attendance:** Group Manager Infrastructure (A Louverdis), Group Manager Corporate Services (N Harrison), Manager Communications (P Shattock), Manager Operations and Asset Management (P Anderson), Senior Asset Engineer Transport and Roading (R Palmer), and Administration Adviser (E-J Ruthven)

**1. Apologies**

There were no apologies.

**2. Confirmation of Order of Business**

The Chairperson explained that Councillor Dahlberg's name had been omitted from the agenda face.

There was no change to the order of business.

**3. Interests**

There were no updates to the Interests Register, and no interests with items on the agenda were declared.

**4. Public Forum**

**4.1 Jill Williams - FishStop Ltd**

Jill Williams, of FishStop Ltd, gave a power point presentation regarding the outdoor dining area in Alton Street (A1663316). She spoke about how the outdoor area was used and her preferences for upgrading it.

**Attendance:** Councillor Dahlberg left the meeting at 9.07am.



Ms Williams answered questions relating to the proposed upgrades to the outdoor dining area, use of the area, and the licence agreement with Council.

#### Attachments

- 1 A1663316 - Power Point presentation - Outdoor Dining Area

#### 4.2 John Gourdie - Gourdie Automotive Ltd

John Gourdie, of Gourdie Automotive Ltd, spoke about the effect of large roadworks on his business on Waimea Road, and his interactions with Council officers in relation to this matter.

He answered questions about the nature of the project and how it had affected his business, and urged Council to develop a rates remission policy for businesses affected by large-scale civil works.

#### 4.3 David Ayre - Friends of the Maitai, and Cynthia McConville and Ainslie Riddoch - Nelson Walkers Unite

David Ayre, of Friends of the Maitai, and Cynthia McConville, of Nelson Walkers Unite, spoke about damage to the Maitai River Reserve by vehicles, and showed several photos (A1662628). They requested that Council provide barriers along Domett Street to prevent the incursion of vehicles onto reserve land, similar to those placed along the reserve near Riverside Pool. They answered questions in relation to these matters.

Ainslie Riddoch, of Nelson Walkers Unite, spoke about the proposed shared path through Anzac Park. She outlined the reasons for which she believed a shared path was inappropriate for Anzac Park, and answered questions relating to the various options for shared pathways in the vicinity.

#### Attachments

- 1 A1662628 - Public Forum Presentation - Vehicles on Maitai River Reserve

The Committee discussed whether reports on the matters raised through public forum were required.

Attendance: Councillor Lawrey left the meeting from 9.55am to 9.57am.

Resolved WI/2016/063

#### ***That the Committee***

***Requests the Chief Executive to provide a report to the appropriate committee on the matter of a rates remission policy for businesses affected by large-scale civil works.***

Acland/Noonan

Carried

## 5. **Status Report - Works and Infrastructure Committee - 17 November 2016**

Document number R6747, agenda pages 7 - 9 refer.

Group Manager Infrastructure, Alec Louverdis, presented the report. He tabled a document relating to the item Waimea Road Issues and Opportunities (A1669477), and answered questions relating to the timing of proposed works.

Mr Louverdis answered additional questions relating to the Church Street Concept Proposal, and Fiddle Lane upgrade.

Resolved WI/2016/064

***That the Committee***

***Receives the Status Report Works and Infrastructure Committee 17 November 2016 (R6747) and its attachment (A1150321).***

Noonan/Walker

Carried

### **Attachments**

- 1 A1669477 - tabled document - Waimea Road Issues and Opportunities

## 6. **Chairperson's Report**

Councillor Matheson noted that, at its meeting on 10 November 2016, Council had requested a report to the Works and Infrastructure Committee regarding road sealing issues on Tresillian Avenue. He explained that, due to officer involvement with civil defence activities, there had been insufficient time for a report to be prepared.

He added that the earthquake of 14 November 2016 had disturbed the pipe network in Nelson, and that residents may experience water discolouration as a result.

## **TRANSPORT AND ROADING**

### 7. **Anzac Park Link - Concept Design Approval**

Document number R6617, agenda pages 10 - 33 refer.

Senior Asset Engineer Transport and Roading, Rhys Palmer, presented the report. He tabled replacement pages 24-25 of the agenda (A1668550), with highlighted lines that had been inadvertently covered by the image in the agenda. Mr Palmer also explained that the Returned Services Association had requested 'poppy artwork' to decorate the walls of the public toilet building in Anzac Park, and that this had been included in the cost estimates for Option One.

Mr Palmer also showed a Power Point presentation (A1661709) and outlined the benefits and disadvantages of options with regards to the aim of increasing the number of 'interested but concerned' users cycling into the central business district.

Mr Palmer answered questions in relation to potential effects on the amenity of Anzac Park, parking spaces in the area, how cyclists would access the central business district from the proposed shared pathway, and how cyclist numbers could be measured. He also detailed consultation that had previously taken place, and confirmed the Returned Services Association's support for the proposed shared pathway.

In response to further questions, Mr Palmer clarified that the alignment of an arterial cycle route from the central business district to The Wood and Nelson East had not yet been determined.

Attendance: Councillor Acland left the meeting from 10.51am to 10.53am.

In response to further questions, Mr Palmer spoke about the proposed pedestrian refuge on Rutherford Street to link cyclists from Anzac Park into the central business district.

Councillor Lawrey, seconded by Councillor Acland, moved the recommendation in the officer report.

It was suggested that additional clauses could be added to the motion:

*Notes that the primary purpose of this project is to connect the St Vincent Street cycleway to the central business district; and*

*Notes that future decisions are required to determine an arterial cycle route to connect The Wood and Nelson East.*

Attendance: The meeting adjourned from 11.09am to 11.20am.

The mover and seconder agreed to incorporate the additional clauses into the motion.

The Committee discussed the motion, and a variety of views was expressed.

Attendance: The meeting adjourned from 11.33am to 11.36am.

It was suggested that the matter should be referred to Council for consideration.

Resolved WI/2016/065

***That the Committee***

***Refers the item Anzac Park Link – Concept Design Approval to the next meeting of the Nelson City Council scheduled to be held on 15 December 2016 at 9.00am.***

Her Worship the Mayor/Lawrey

Carried

**Attachments**

- 1 A1668550 - tabled document - replacement pages 24-25 of agenda
- 2 A1661709 - Power Point Presentation - Anzac Park Link

**8. Alton Street - Licence to occupy**

Document number R6347, agenda pages 34 - 41 refer.

Leases Officer, Jules Read, presented the report, and answered questions regarding the proposed upgrade to the outdoor dining area on Alton Street.

The Committee discussed the proposal that the area be painted, whether a mural would be appropriate, and how to ensure any mural was of appropriate quality.

Resolved WI/2016/066

***That the Committee***

***Receives the report Alton Street - Licence to occupy (R6347) and its attachments (A1655542, A1654789 and A1654808).***

Acland/Skinner

Carried

Attendance: The meeting adjourned from 11.57am to 12.00pm

Councillor Lawrey, seconded by Councillor Acland, moved a recommendation to Council:

***That the Council***

***Approves the extension of Fish Stop's existing licence to occupy carparks in Alton Street for the purposes of outdoor dining for five years, expiring December 2021, subject to the following upgrades as outlined in report 6347:***

- *the lessee purchasing tables, chairs and umbrellas of a uniform design; and*

- *the exterior of the structure be painted in a mural approved by the Arts Selection Panel and paid for by the lessee.*

The Committee discussed the recommendation to Council, and a variety of views were expressed.

Councillor Noonan, seconded by Her Worship the Mayor, moved an amendment:

*That the Council*

*Approves the extension of Fish Stop's existing licence to occupy two carparks in Alton Street for the purposes of outdoor dining for five years, expiring December 2021, subject to the following upgrades as outlined in report 6347:*

- *the lessee purchasing tables, chairs and umbrellas of a uniform design; and*
- *painting the exterior of the structure to the satisfaction of Council Officers.*

The amendment was put and became the substantive motion.

Recommendation to Council WI/2016/067

***That the Council***

***Approves the extension of Fish Stop's existing licence to occupy two carparks in Alton Street for the purposes of outdoor dining for five years, expiring December 2021, subject to the following upgrades as outlined in report 6347:***

- ***the lessee purchasing tables, chairs and umbrellas of a uniform design; and***
- ***painting the exterior of the structure to the satisfaction of Council Officers.***

Lawrey/Acland

Carried

## **9. Outdoor dining - update**

Document number R6384, agenda pages 42 - 47 refer.

Group Manager Corporate Services, Nikki Harrison, and Property Officer, Margot Wilson, presented the report. They answered questions relating to loss of carparks as a result of outdoor dining, and how outdoor dining areas would be encouraged to be smokefree.

Attendance: Councillor Noonan left the meeting from 12.15pm to 12.17pm.

Resolved WI/2016/068

***That the Committee***

***Receives the report Outdoor dining - update (R6384) and its attachments (A1655950, A1655951 and A1655952).***

Matheson/Acland

Carried

## **WATER, WASTEWATER, STORMWATER**

### **10. Capital Expenditure Programme 2016-17 Quarter 1 Progress Report**

Document number R6252, agenda pages 48 - 56 refer.

Manager Capital Projects, Shane Davies, presented the report, and answered questions relating to the projects referred to in the report.

Attendance: Councillor Lawrey left the meeting from 12.19pm to 12.20pm.

It was agreed that the clause relating to the Little-Go Stream Stormwater Upgrade Stage 3, Allan Street Intake would be taken separately.

Resolved WI/2016/069

***That the Committee***

***Receives the report Capital Expenditure Programme 2016-17 Quarter 1 Progress Report (R6252) and its attachment (A1479115).***

Noonan/Walker

Carried

Recommendation to Council WI/2016/070

***That the Council***

***Removes project 2591 Suburban Club private drain subsidised storm water from the 2016/17 budget, noting that \$34,235 will not be spent in the current financial year; and***

***Transfers \$500,000 from the current 2016/17 financial year for project 2689 Saxton Creek upgrade to the 2017/18 budget, to align with the scheduled construction programme; and***

**Approves the inclusion of an additional amount of \$404,000 as a commitment in the 2017/18 budget for completion of project 1187 Neale Park sewer pump station upgrade, and to allow early tendering of the physical works in the current financial year; and**

**Transfers \$2million from the current 2016/17 financial year for project 1187 Neale Park sewer pump station upgrade to the 2017/18 budget, to align with the scheduled construction programme; and**

**Transfers \$600,000 from the current 2016/17 financial year for project 2213 Rocks Road Cycling and Walking Project to the 2017/18 budget, to align with the timing of the Southern Link Investigation Business Case; and**

**Transfers \$200,000 from the current 2016/17 financial year for project 1716 Awatea Place Sewer Pump Station Upgrade to the 2017/18 budget, to align with the scheduled delivery programme.**

Noonan/Walker

Carried

Attendance: Her Worship the Mayor declared an interest and left the meeting at 12.19pm.

Recommendation to Council WI/2016/071

***That the Council***

**Transfers \$400,000 from the current 2016/17 financial year for project 2865 Little-Go Stream Stormwater Upgrade Stage 3, Allan Street Intake, to the 2017/18 budget, to align resources following the completion of Stage 2.**

Matheson/Noonan

Carried

Attendance: Her Worship the Mayor returned to the meeting at 12.22pm.

There being no further business the meeting ended at 12.24pm.

Confirmed as a correct record of proceedings:

\_\_\_\_\_ Chairperson \_\_\_\_\_ Date

16 February 2017

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**REPORT R7129**

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**Status Report - Works and Infrastructure Committee -  
16 February 2017**

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**1. Purpose of Report**

- 1.1 To provide an update on the status of actions requested and pending.

**2. Recommendation**

***That the Committee***

***Receives the Status Report Works and  
Infrastructure Committee 16 February 2017  
(R7129) and its attachment (A1710450).***

Julie McDougall  
**Administration Advisers**

**Attachments**

Attachment 1: A1710450 – Status Report - Works and Infrastructure  
Committee - 16 February 2017 [↓](#)



Status Report - Works and Infrastructure Committee – 16 February 2017

MEETING DATE	SUBJECT	MOTION	RESPONSIBLE OFFICER	COMMENTS
26 March 2015	Bridge Street Upgrade - Alma Street and Fiddle Lane	<p>Resolved WI/2015/001</p> <p><u>THAT</u> the report Bridge Street Upgrade – Alma Street and Fiddle Lane (A1321138) and its attachments (A1323529, A1257824, A1323532) be received;</p> <p><u>AND THAT</u> approval is given to proceed with the upgrade of Fiddle Lane as per attachment 3 (A1323532) to enhance the aesthetic appearance of the lane.</p> <p><u>AND THAT</u> further discussions be held with building owners about enhancing street frontages on Bridge Street.</p>	Shane Davies	<p>Fiddle Lane - Agreement reached with building owners and documents signed. The owner of the western building has finalised maintenance on their wall. All wires and fixings have been installed ready for awnings, which are under manufacture with scheduled completion mid Feb. Installation to follow.</p> <p><b>Ongoing</b></p>

Outstanding Actions

**Status Report - Works and Infrastructure Committee - 16 February 2017**

MEETING DATE	SUBJECT	MOTION	RESPONSIBLE OFFICER	COMMENTS
25 February 2016	Earthquake Update Report #7	<p>Resolved WI/2016/009</p> <p><u>THAT</u> the report Earthquake Update Report #7 (R5218) and its attachments (A1498625, A1498652, A1498808) be received;</p> <p><u>AND THAT</u> approval is given to proceed with the earthquake strengthening of Isel House Chimneys to above 34%NBS, funded from the 2015/16 earthquake remediation budget;</p> <p><u>AND THAT</u> approval is given to proceed with the earthquake strengthening of the Refinery Building to above 34%NBS, funded from the earthquake remediation budget in 2016/17 once the existing lease expires in December 2017.</p>	Alec Louverdis	<p>Work on Isel House chimneys is complete. <b>Complete</b></p> <p>Planning for the earthquake strengthening of the Refinery Building has slowed to coordinate with other proposed site works. <b>Ongoing</b></p>

## Status Report - Works and Infrastructure Committee – 16 February 2017

MEETING DATE	SUBJECT	MOTION	RESPONSIBLE OFFICER	COMMENTS
31 March 2016	Waimea Road Issues and Opportunities	<p>Resolved WI/2016/022</p> <p>THAT the report Waimea Road Issues and Opportunities (R4960) and its attachments (A1522595 and A1436204) be received;</p> <p>AND THAT opportunities three, four and seven in table 5.1 of report (R4960) are supported in principle;</p> <p>AND THAT officers initiate consultation on these opportunities and report feedback to a future meeting of Works and Infrastructure.</p>	Alec Louverdis	<p>Officers will commence consultation on these options towards the end of the current financial year and report these back to a future Works and Infrastructure Committee meeting.</p> <p>Opportunity three: 2km between bus stops on Waimea Rd.</p> <p>Recommended distance is 400-800m.</p> <p>Opportunity four: Pedestrian severance across Waimea Rd.</p> <p>Opportunity seven: Awareness/visibility of Shows Hill walkway poor.</p> <p>Construction will be considered in either the 17/18 or 18/19 minor improvements budget.</p> <p><b>Ongoing</b></p>

Outstanding Actions

## Status Report - Works and Infrastructure Committee – 16 February 2017

MEETING DATE	SUBJECT	MOTION	RESPONSIBLE OFFICER	COMMENTS
		Resolved WI/2016/050 <p>THAT the report Church Street Concept Proposal (R6058) and its attachments (A1473241 and A1473250) be received;</p> <p>AND THAT \$75,000 be allocated from provision in the 2016/17 CBD Enhancement budget to engage with stakeholders and develop a design for the upgrade of Church Street in the 2016/17 financial year;</p> <p>AND THAT the developed design be brought back to the Works and Infrastructure Committee for approval prior to construction;</p> <p>AND THAT construction be prioritised in future Annual/Long Term Plans.</p>		Consultation has been undertaken with the stakeholders who have proposed making the road one-way, which is supported by the majority of the stakeholders. Concept plans will be presented to the March Works & Infrastructure Committee for approval before detailed design commences. Any construction is planned for 17/18.
23 June 2016	Church Street Concept Proposal		Rhys Palmer	<b>Ongoing</b>
17 November 2016	Works and Infrastructure Committee - request for report following public forum presentation - 17 November 2016	Resolved WI/2016/063 <p>That the Committee</p> <p>Requests the Chief Executive to provide a report to the appropriate committee on the matter of a rates remission policy for businesses affected by large-scale civil works.</p>	Nikki Harrison	Report being prepared for 9 March Governance committee as rating issue <b>Ongoing</b>

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## **Chairperson's Report**

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### **1. Purpose of Report**

- 1.1 To appoint an elected member to the community organisation Accessibility for All.

### **2. Recommendation**

***That the Committee***

***Receives the Chairperson's Report (R7150); and***

***Appoints the Chairperson of the Works and Infrastructure Committee to the Councillor Liaison role for Accessibility for All for the 2016 – 2019 triennium.***

### **2. Background**

- 2.1 At the Council meeting on 15 December 2016 in relation to the review of appointments to external organisations, it was resolved that the Council

*Delegates the appropriate Committees of Council, as set out in document A1679884, to determine Councillor Liaison appointments to external organisations and groups that are within the committees' areas of responsibility.*

- 2.2 The Works and Infrastructure Committee has responsibility for appointing one Councillor Liaison role to Accessibility for All.

### **3. Discussion**

#### **Accessibility for All**

- 3.1 Accessibility for All is a forum that examines the accessibility for everyone in the Nelson Tasman region, aiming to ensure that both public and private facilities and activities are inclusive. The forum also works on developing practical solutions to accessibility barriers in consultation with Council projects.

3.1.1 Meetings are held every three months at the Tasman District Council office in Richmond.

3.1.2 Meeting dates for 2017 are:

Friday 10 March 10am to 12noon

Friday 9 June 10am to 12noon

Friday 1 September 10am to 12noon

Friday 8 December 10am to 12noon

### **Option**

3.2 In line with Council direction on the matter, it is recommended that the Chairperson of the Works and Infrastructure Committee be appointed to the Councillor Liaison role for Accessibility for All for the 2016 – 2019 triennium.

3.3 There is no risk associated with this option.

Paul Matheson  
**Chairperson**

### **Attachments**

Nil

<b>Important considerations for decision making</b>	
<b>1. Fit with Purpose of Local Government</b>	Engagement with external organisations and other groups addresses a need for the community to communicate and interact with Council.
<b>2. Consistency with Community Outcomes and Council Policy</b>	The recommendation aligns with Council's Community Outcome of: Our Council provides leadership and fosters partnerships, a regional perspective, and community engagement.
<b>3. Risk</b>	There is no risk associated with the recommendation.
<b>4. Financial impact</b>	Nil
<b>5. Degree of significance and level of engagement</b>	This matter is of low significance because it relates to the appointment of a councillor liaison role to a community organisation. No engagement with the community on this matter is therefore recommended.
<b>6. Inclusion of Māori in the decision making process</b>	Maori have not been consulted in regards to this matter.
<b>7. Delegations</b>	This is a matter for the Works and Infrastructure Committee to consider as decided at the 15 December 2016 Council meeting.

**16 February 2017****REPORT R7025**

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## **Tresillian Avenue Resurfacing**

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### **1. Purpose of Report**

- 1.1 To outline the decision making process for road resurfacing in general, and the carriageway on Tresillian Avenue in particular.

### **2. Recommendation**

***That the Committee***

***Receives the report Tresillian Avenue Resurfacing (R7025) and its attachment (A1710390).***

### **3. Background**

- 3.1 Tresillian Avenue was resurfaced in November 2015 as part of the 2015/16 Nelson City Council resurfacing programme.
- 3.2 At Public Forum at Council on 10 November 2016 Mr Shaun Fahey spoke of his dissatisfaction with the standard of resurfacing of the carriageway outside his property on Tresillian Avenue.
- 3.3 Council requested a report regarding Tresillian Avenue road sealing options be prepared for the Works and Infrastructure Committee.

### **4. Discussion**

- 4.1 Tresillian Avenue, from the Jackson Street intersection over a length of 115m, was included in the 2015/16 Council resurfacing programme as the existing slurry seal was badly worn, cracked and failing.
- 4.2 The choice of seal treatment is determined by usage. Typically for roads that carry under 5,000 vehicles per day (vpd) the most economic whole-of-life cost treatment is a flexible bitumen chipseal, such as applied at Tresillian Avenue, at a cost of approximately \$6/m<sup>2</sup>.
- 4.3 Roads that carry over 5,000vpd are considered for smoother asphaltic concrete. The cost of asphaltic concrete is approximately \$35/m<sup>2</sup>.



- 4.4 Exceptions, for reasons such as the road gradient, curve radius and flexibility of the underlying carriageway subbase, can influence treatment selection for resurfacing. Exceptional reasons are assessed by a team of professional, experienced road surfacing practitioners.
- 4.5 At the time of resurfacing, the traffic volume on this section of Tresillian Avenue was 200vpd. This particular section of road has since been connected to Wastney Terrace. It is estimated that an additional 300vpd could now be using this as a link down to the State Highway.
- 4.6 A standard requirement of the roading maintenance contract is a joint inspection by Council officers and Council's incumbent operations and maintenance contractor, Downer Limited. Following such an inspection, a grade 5 single coat bitumen treatment was proposed. There were no exceptional factors which indicated any alternative resurfacing treatment should have been considered for this section of Tresillian Avenue.
- 4.7 The treatment is consistent with the industry standard guidelines "Chipsealing in New Zealand", a collaborative manual by the New Zealand Transport Agency (NZTA), Road Controlling Authority (RCA) and Roding NZ.
- 4.8 To provide examples, attachment 1 (A1710390) to this report details road sections that were part of the NCC 2015/16 resurfacing programme and the treatment selection considerations for each.
- 4.9 A key issue raised in the 2015-2025 Transport Asset Management Plan was *"Maintaining the transport infrastructure is key to ensuring we provide the desired level of service in the most cost effective manner."* One of the highest cost components of the transport asset are the sealed surfaces that provide a waterproof layer for the pavement structure. Nelson City has a backlog of pavements overdue for resurfacing. Treating and reducing this backlog is essential to ensure the life of Council's pavements is maximised.
- 4.10 To resurface roads with 500vpd or greater with asphaltic concrete and apply this same principle to all roads above this traffic volume across the city, the resurfacing investment required would increase from the current \$1.4 million per annum to \$4.2 million per annum.
- 4.11 In turn, this would drive an increase in the backlog of pavements requiring reseal. Not resurfacing and allowing further water ingress into pavements would ultimately result in significantly higher overall whole-of-life costs. Repairs and renewals of large sections of road structures cost significantly more than resurfacing, which only replaces the top wearing surface.
- 4.12 Council's investment partner, the New Zealand Transport Agency (NZTA) currently funds in the order of 50% of the resurfacing programme city wide. Their investment is unlikely to increase if Council adopted an approach of sealing low volume roads such as Tresillian Avenue with asphaltic concrete. Council would need to fund the additional cost.

- 4.13 The current practice for resurfacing selection is supported by the principles of NZTA's One Network Road Classification for New Zealand and Council's 2015-2025 Transport Asset Management Plan.

## **5. Options**

- 5.1 This report sets out the decision making process for resurfacing of roads in general, and the carriageway on Tresillian Avenue in particular.
- 5.2 The option for the Committee is to receive the report or not, and/or seek more information.
- 5.3 It is appropriate to note the issue of pavement resealing within Nelson will be covered within the Asset Management Plan workshop levels of service discussion scheduled for 30 March 2017.

## **6. Conclusion**

- 6.1 Council has been undertaking a resurfacing programme of its roads for many years in line with national and NZTA best practice.
- 6.2 In preparation for the upcoming Long Term Plan and as part of upcoming workshops with elected representatives for Levels of Service and Asset Management Plans, Council has an opportunity to consider a resurfacing treatment selection policy.
- 6.3 It is recommended that this report be received.

Peter Anderson

**Manager Operations and Asset Management**

### **Attachments**

Attachment 1: A1710390 - NCC 2015/16 Resurfacing Programme - Treatment Selection [↓](#)

<b>Important considerations for decision making</b>	
<b>1. Fit with Purpose of Local Government</b>	The recommendation of the report is to accept the report. One of the purposes of local government is to ensure good quality local infrastructure in a way that is most cost effective for households and businesses. The practice detailed in this report is fit for purpose.
<b>2. Consistency with Community Outcomes and Council Policy</b>	The content and recommendation of this report is consistent with Council's Community Outcomes – "Our infrastructure is efficient, cost effective and meets current and future needs". In particular that we have good quality, affordable and effective infrastructure and transport networks.
<b>3. Risk</b>	There is no risk associated with accepting this report or otherwise.
<b>4. Financial impact</b>	The recommendation of this report has no financial impact. Any change from the existing resurfacing practice described in this report would have significant financial impact.
<b>5. Degree of significance and level of engagement</b>	This matter is of low significance because the recommendation is only to receive this report. Further engagement may occur if Councillors wish to review the treatment selection methodology as part of Level of Service and Asset Management Plan reviews for the next round of the Long Term Plan.
<b>6. Inclusion of Māori in the decision making process</b>	No consultation with Māori was undertaken.
<b>7. Delegations</b>	The Works and Infrastructure Committee has the responsibility for considering matters relating to the roading network. The Works and Infrastructure Committee has the power to decide this matter.

RESURFACING PROGRAMME 2015-2016					
Road Name	Start	End	Treatment	VPD	Treatment Selection Considerations
LIVERPOOL TERRACE	No.3	No.7	Single Coat 5	240	Quiet residential, flat, reasonable width. Good shape. Low number of entrances.
WOLFE STREET	Washington Rd	All	Single Coat 5	500	Quiet residential, sloping, reasonable width. Good shape.
MOTUEKA STREET	Waimea Road	Hospital entrance	Single Coat 5	750	Quiet residential, (includes hospital laundry traffic) sloping, reasonable width. Good shape.
MOTUEKA STREET	Hospital entrance	Campbell Street	Two Coat 4&6	750	Quiet residential, high stress corner, sloping, reasonable width. Good shape.
ATAWHAI DRIVE	Tee Intersection	Malvern Avenue	Single Coat 5	1200	Quiet residential throughfare, flat, minimal entrances, reasonable shape following pre-seal works. No kerb & channel.
TRESILLIAN AVE CUL-DE-SAC	Threshold	Jackson Street	Single Coat 5	200	Quiet residential, flat, reasonable width. Good shape. Future development will not effect treatment selection.
SUGAR LOAF PLACE	Brook Street	Turning Head	Single Coat 5	100	Quiet residential, sloping, reasonable width. Good shape.
CAMPBELL STREET	Motueka Street	End	Single Coat 5	500	Quiet residential, sloping, ok width. Good shape. Considered two coat (mainly due turning stress at entrances).
ATAWHAI DRIVE	Iwa Rd	S/H Intersection	Two Coat 4&6	4000	Busy throughfare, Good shape and carriageway width.
MILTON STREET	Weka Street	Halifax St East	Two Coat 4&6	2800	Busy throughfare, ok shape and reasonable carriageway width.
SADDLEBACK ROAD	Todd Bush Rd	All	Two Coat 4&6	250	Quiet residential, sloping, reasonable width. Good shape. Required decent binder application to water proof existing surface.
SAXTON ROAD	Main Rd Stoke	Suffolk Rd	Two Coat 4&6	5200	Busy throughfare, Flat, good shape and carriageway width. Considered AC (budget).
SAXTON/SUFFOLK ROAD intersection	Junction	Junction	Asphaltic Concrete	5200	High stress corner.
BRUNNER STREET	Tukuka Street	Speed Hump	Two Coat 4&6	1500	Steady residential, sloping, ok width & shape.
ST VINCENT STREET	Warehouse Ent	Gloucester St	Two Coat 4&6	9000	Busy throughfare, Flat, good shape and carriageway width. Considered AC (budget).
PRINCES DRIVE	Quebec road	Moana Avenue	Two Coat 4&6	3600	Steady residential, sloping, ok width & shape. (seal over grader laid AC levelling)
TASMAN STREET (Roundabout)	Nile Street	Nile Street	Asphaltic Concrete	3500	High stress intersection.
WAIMEA ROAD	The Ridgeway	Waimea Loop	Asphaltic Concrete	25200	High volume arterial route.
NAYLAND ROAD ROUNDABOUT	Saxton	Saxton	Asphaltic Concrete	8000	High stress intersection.
ANNESBROOK DRIVE	Quarantine Road	Main Rd Stoke	Asphaltic Concrete	6300	Busy throughfare, Good shape and carriageway width. Considered two coat chipseal. (alternate state highway route).

16 February 2017

REPORT R6962

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## Capital Expenditure Programme 2016-17 Quarter 2 Progress Report

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### 1. Purpose of Report

To provide performance monitoring information to the Works and Infrastructure Committee and to seek approval for changes to capital projects and/or expenditure.

### 2. Recommendation

***That the Committee***

***Receives the report Capital Expenditure Programme 2016-17 Quarter 2 Progress Report (R6962).***

Recommendation to Council

***That the Council***

***Approves, with respect to project 2964 Saxton Creek Culvert to Sea flood protection, that \$190,000 be transferred from the 2022/23 budget allocation to 2017/18 to enable the detailed design and resource consent to be completed in 2017/18; and***

***Approves, with respect to project 2624 Nile Street East stormwater and flood protection, that***

- \$615,550 of current year budget be transferred to 2017/18, and that the construction stage be moved to 2017/18,***
- and that an additional \$160,000 construction budget in 2017/18 be approved, and that***
- the total required construction budget of \$775,550 is included as a commitment in the draft Annual Plan 2017/18; and***

**Approves, with respect to project 2473 Wastney Terrace piping ditch (stormwater),**

- ***that \$720,000 of current year budget be transferred to 2017/18, and that***
- ***an additional \$130,000 for construction budget in 2017/18 be approved, and that***
- ***the total required construction budget of \$850,000 is included as a commitment in the draft Annual Plan 2017/18; and***

**Approves, with respect to project 2894 Poorman Valley Stream Walkway, that \$107,000 be transferred from 2017/18 to 2018/19; and**

**Approves, with respect to project 2555 Water Treatment Plant membranes,**

- ***that \$1,081,310 be transferred from 2018/19 to 2016/17, and that \$938,690 be transferred from 2017/18 to 2016/17, and that***
- ***additional 2017/18 budget of \$352,500 be approved, to enable early ordering of two sets of membranes, and that***
- ***the total required budget of \$467,000 in 2017/18 be included as a commitment in the draft Annual Plan 2017/18.***

### **3. Background**

- 3.1 This report represents a summary for the period October to December 2016 and provides:
- A summary of progress towards key performance indicators;
  - Requests for approval for changes to the capital works programme;
  - Summary of tenders awarded over \$1,000,000 capital value.
- 3.2 Council set key performance indicators for the capital works programme for 2016-17, which relate to achievement of milestones for key projects, and to completion of physical works.

#### 4. Progress Towards Key Performance Indicators

- 4.1 Key performance indicator "Projects within the capital works programme, for which business cases have been prepared, meet all milestones within the year" – Status: On track to achieve.
- 4.2 Key performance indicator "Greater than 85% of physical works of projects are completed by 30 June 2017" – Status: On track to achieve.

#### 5. Requests for Change

##### **Project 2964 Saxton Creek Culvert to Sea flood protection**

- 5.1 This is part of a multi-year project that commenced in 2015/16, to upgrade Saxton Creek between Main Road Stoke and the sea. The project will prevent flooding of land, and 5 to 10 commercial properties, for flood events up to Q<sub>100</sub>. This work is a continuation of the upgrade works between Champion Road and Main Road Stoke currently on site. The budget allocated for the Main Rd Stoke to sea portion of this project is \$8,260,157 currently phased as follows:
  - 2016/17: \$160,157
  - 2022/23: \$3,700,000
  - 2023/24: \$4,400,000
- 5.2 Initial design has concluded, but due to current budget phasing, there is insufficient budget in the current financial year to deliver the detailed design and the resource consent. The overall project budget is sufficient to cover design, consent and construction, but a change to project and budget phasing is needed. No additional budget is being requested. The timing of the construction will be reconsidered through the Long Term Plan 2018/28.
- 5.3 Approval is sought to bring forward \$190,000 from 2022/23 into 2017/18, and to conclude detailed design and resource consent during 2017/18.
- 5.4 If approved, the adjusted budget phasing would be:
  - 2016/17: \$160,157
  - 2017/18: \$190,000
  - 2022/23: \$3,510,000
  - 2023/24: \$4,400,000

### **Project 2624 Nile Street East stormwater and flood protection**

- 5.5 This project upgrades the Nile Street stormwater system between Cleveland Terrace and the Maitai River following flooding of some properties during the December 2011 rain event. Budget allocated to this project is \$630,550 in the current 2016/17 financial year.
- 5.6 Tenders received for the construction work are over budget due to an uncompetitive construction market. The resultant delay means that the project can no longer be resourced in the current financial year.
- 5.7 Approval is sought to change the construction timing to 2017/18, transfer \$615,550 of current year budget to 2017/18, and to include an additional \$160,000 for construction (as a commitment) in the upcoming Annual Plan 2017/18.
- 5.8 If approved, the adjusted budget and project phasing would be:
- 2016/17: \$15,000
- 2017/18: \$775,550

### **Project 2473 Wastney Terrace piping ditch (stormwater)**

- 5.9 This project upgrades the public stormwater system to serve future development potential in the Wastney Terrace area of Atawhai. The existing stormwater infrastructure is at capacity, and an upgrade is required to enable one existing subdivision to be developed to full capacity, and up to two additional subdivisions in the local area to proceed, with a stormwater system in place that meets agreed level of service. Budget allocated to this project is \$813,622 in 2016/17.
- 5.10 The majority of the proposed pipeline alignment will be located within private property. Landowner discussions have taken longer than planned, and construction will not be completed as envisaged within the current year. In addition, detailed design has concluded and the current construction budget is insufficient, due to work required on the surrounding site. An additional \$130,000 is required for construction.
- 5.11 Approval is sought to change the construction timing to 2017/18, to transfer \$720,000 of current year budget to 2017/18, and to include an additional \$130,000 for construction as a commitment in the upcoming Annual Plan 2017/18. Officers intend to early tender this project before the end of the current financial year.
- 5.12 If approved, the adjusted budget and project phasing would be:
- 2016/17: \$93,622
- 2017/18: \$850,000



### **Project 2894 Poorman Valley Stream Walkway**

- 5.13 This project is to construct the final section of walkway along Poorman Valley Stream, to allow a more efficient and safer flow of walkers and cyclists between Isel Park and Neale Reserve. Budget allocated to this project is \$178,000 currently phased as follows:

2016/17: \$41,000

2017/18: \$137,000

- 5.14 Initial design activities have identified insufficient budget and time required to deliver the project. This is due to site specific difficulties including geotechnical requirements, riparian protection, significant retaining structures, and the need to construct a boardwalk in sections.
- 5.15 Approval is sought to change the construction timing to 2018/19, and to transfer \$107,000 of 2017/18 budget to 2018/19. This will enable the project to continue with detailed design and progress a resource consent application during 2017/18. The construction stage and budget would be considered through the Long Term Plan 2018-28, based on updated estimates.
- 5.16 If approved, the adjusted budget and project phasing would be:

2016/17: \$41,000

2017/18: \$30,000

2018/19: to be confirmed through the Long Term Plan 2018/28.

### **Project 2555 Water Treatment Plant membranes**

- 5.17 This project is to commence renewal of the original four sets of filtration membranes at the Nelson Water Treatment Plant, and follows the successful installation of new membrane filters and commissioning of train 5 in 2016.
- 5.18 The original membranes have been in place since 2004 and are currently outside of the manufacturers 10 year warranty period. The renewal of these membranes was scheduled through the Long Term Plan 2015/25 to take place over four years, with one set of membranes being renewed each year.
- 5.19 Budget allocated to these four membrane replacements is \$4,390,580 currently phased as follows:

2017/18: \$1,053,190

2018/19: \$1,081,310

2019/20: \$1,111,590

2020/21: \$1,144,490

- 5.20 Although the membranes have functioned very well beyond their ten year expected life, they are now showing signs of degradation. The main concern is with reduced permeability of the membranes, which increases the amount of cleaning required. This additional cleaning affects the capacity of the treatment plant, and reduces the ability of the membranes to recover from fouling events.
- 5.21 The four week trial in 2016 to use only water from the Maitai Dam as part of the work to renew the existing Maitai resource consent highlighted that the membranes, in their aged condition, are at risk of rapid deterioration in the event that NCC is required to use dam water for a prolonged time period, such as more than 3 weeks. Dam water is regularly used for short periods of 2 to 3 days at a time, during periods of drought when levels of the Roding River and the Maitai River south branch drop below the levels permitted for water take, and when heavy rain events cause water discolouration. It is therefore recommended that the planned renewal scheduled be amended so that two sets of membranes are replaced each in 2017/18 and 2018/19.
- 5.22 Approval is sought to adjust project and budget phasing to complete the renewals over two years. The membranes are manufactured and imported from overseas, and, based on the most recent pricing, the allocated budget is insufficient, with an additional \$176,250 needed per membrane to meet the expected costs.
- 5.23 Due to a 12 week lead time for manufacture and delivery, and in order to commence installation in July 2017, it is desirable that two sets of membranes be ordered, and delivered in the current financial year. To accommodate this, \$2,020,000 is required in the current financial year, with the remaining costs for installation and commissioning falling in 2017/18.
- 5.24 Approval is also sought to transfer \$1,081,310 from 2018/19, to 2016/17, and \$938,690 from 2017/18 to 2016/17, and to include an additional \$352,500 (as a commitment) in 2017/18, to enable the adjusted renewal schedule.
- 5.25 If approved, the adjusted budget and project phasing would be:
- 2016/17: \$2,020,000
- 2017/18: \$467,000
- 2018/19: to be confirmed through the Long Term Plan 2018/28.

## **6. Tenders awarded for contracts over \$1,000,000**

- 6.1 No contracts over \$1,000,000 that are within the Committee's areas of responsibility were awarded during quarter 2.

## **7. Conclusion**

- 7.1 The third quarter report for January to March 2017 is scheduled for the Works and Infrastructure Committee meeting to be held 18 May 2017.

Arlene Akhlaq  
**Project Management Adviser**

## **Attachments**

Nil

## Important considerations for decision making

### 1. Fit with Purpose of Local Government

Providing core infrastructure is a good fit with the purpose of Local Government.

The proposed changes in phasing support efficient and effective delivery of these projects.

### 2. Consistency with Community Outcomes and Council Policy

The recommendations for project 2964 Saxton Creek Culvert to Sea flood protection, and project 2894 Poorman Valley Stream Walkway amend the phasing of the Long Term Plan budget, and remain aligned with the community outcome "our infrastructure is efficient, cost effective and meets current and future needs".

The recommendations for projects 2624 Nile Street East storm water and flood protection, 2473 Wastney Terrace piping ditch (storm water), and 2555 Water Treatment Plant membranes, enables levels of service for these assets to be maintained, and remain aligned with the community outcome "our infrastructure is efficient, cost effective and meets current and future needs".

### 3. Risk

The recommendations for projects 2964 Saxton Creek Culvert to Sea flood protection, 2624 Nile Street East storm water and flood protection, 2473 Wastney Terrace piping ditch (storm water), and 2555 Water Treatment Plant membranes reduces risk by enabling construction and installation schedules to be achieved as appropriate to mitigate or reduce known risks.

The recommendations for project 2894 Poorman Valley Stream Walkway reduces the risk of unforeseen construction and cost issues by enabling adequate phasing of the project.

### 4. Financial impact

Total budget provision of \$642,500 in addition to the budgets set out in the Long Term Plan 2015/25 has been requested. This impact will be realised in the 2017/18 Annual Plan.

**5. Degree of significance and level of engagement**

For all recommendations in this report, the financial impact and the impact on Council debt is considered to be low. Re-phasing of budgets is of low significance as it is a change of timing to planned and approved expenditure. For these reasons, the matters contained in this report are considered to be of low significance, and therefore no further engagement is required.

**6. Inclusion of Māori in the decision making process**

Maori have not been consulted on this report.

**7. Delegations**

The Works and Infrastructure Committee has the responsibility for water, wastewater and storm water, and the power to make a recommendation to Council on matters relating to these areas of responsibility.