



AGENDA

Infrastructure Committee Meeting Tuesday, 11 June 2019

Date Tuesday, 11 June 2019

Time Following the Environmental Services Committee

Location Council Chamber
Timaru District Council Building
2 King George Place
Timaru

File Reference 1255552

Timaru District Council

Notice is hereby given that a meeting of the Infrastructure Committee will be held in the Council Chamber, Timaru District Council Building, 2 King George Place, Timaru, on Tuesday 11 June 2019, at the conclusion of the Environmental Services Committee meeting.

Infrastructure Committee Members

Clrs David Jack (Chairperson) , Paddy O'Reilly (Deputy Chairperson) , Peter Burt, Andrea Leslie, Steve Wills, Sally Parker, Kerry Stevens, Nigel Bowen, Richard Lyon and the Mayor Damon Odey

Quorum – no less than 6 members

Local Authorities (Members' Interests) Act 1968

Committee members are reminded that if you have a pecuniary interest in any item on the agenda, then you must declare this interest and refrain from discussing or voting on this item, and are advised to withdraw from the meeting table.

Andrew Dixon

Acting Group Manager Infrastructure

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- 1 Apologies – Cllr Andrea Leslie and Cllr Sally Parker**
- 2 Identification of Items of Urgent Business**
- 3 Identification of Matters of a Minor Nature**
- 4 Declaration of Conflicts of Interest**
- 5 Chairperson's Report**

6 Confirmation of Minutes

6.1 Confirmation of Minutes of the Meeting of the Infrastructure Committee on 30th April, 2019

Author: Kate Walkinshaw, Executive Assistant, Infrastructure

Authoriser: Andrew Dixon, Acting Group Manager Infrastructure

Recommendation

That the minutes of the Infrastructure Meeting held on 30th April, 2019, be confirmed as a true and accurate record of the meeting.

Attachments

1. Infrastructure Committee minutes 30/4/19 [↓](#) 

Timaru District Council

Minutes of a Meeting of the Infrastructure Committee held in the Council Chamber, District Council Building, King George Place, Timaru on 30 April 2019 at 11:15am.

Present Clrs Paddy O'Reilly (Acting Chairperson), Peter Burt, Nigel Bowen, Andrea Leslie, Richard Lyon, Sally Parker, Kerry Stevens, Steve Wills and the Mayor (by phone)

Apologies Apologies from Clr Jack, Bernie Wilson (Pleasant Point Community Board) and Wayne O'Donnell (Geraldine Community Board) were accepted.

In Attendance Noeline Clarke – Temuka Community Board

Chief Executive (Bede Carran), Group Manager Infrastructure (Ashley Harper), Land Transport Manager (Andrew Dixon), Parks and Recreation Manager (Bill Steans) and Company Secretary (Joanne Brownie)

1. Declaration of Conflicts of Interest

There were no conflicts of interest declared.

2. Confirmation of Minutes

Proposed Clr Wills
Seconded Clr Parker

"That the minutes of the Infrastructure Committee meeting of 12 March 2019, be confirmed as a true and correct record."

Motion carried

3. Roading Emergency Works Unbudgeted Expenditure Funding

The Committee considered a report by the Land Transport Manager on the funding for repairs to damage caused by the high rainfall event in November 2018. The Committee noted the importance of undertaking these works for safety and access reasons and appreciation was extended to the Land Transport Unit for carrying out the prompt repairs in difficult conditions, in remote parts of the district.

It was agreed that as the NZ Transport Agency has recognised the event as a natural disaster, it is appropriate for Council to use the Council Disaster Relief Fund for financing the local share of repair costs.

Proposed Clr Stevens
Seconded the Mayor

“That it be recommended to the Policy and Development Committee that the road infrastructure initial response and recovery local share costs of \$276,000 associated with the November 2018 high rainfall event be funded from the Council Disaster Relief fund.”

Motion carried

4. Dunkirk Street Trees

The Committee considered a report by the Parks and Recreation Manager on the removal and replanting of street trees in Dunkirk Street and a portion of Andrew Street, Timaru. The Committee noted the similar situation in Grasmere and Chaucer Streets, which resulted in successful replantings.

Proposed Clr Wills
Seconded Clr Bowen

- a “That all 54 street trees be removed in Dunkirk Street and the northern side of Andrew Street from Dunkirk Street to Forth Street, and;
- b That more appropriate trees are replanted in Dunkirk Street, outside the utilities corridor and in adjacent neighbourhood parks.”

Motion carried

The meeting concluded at 11:35am.

Chairperson

7 Reports

7.1 Patiti Point Erosion Next Steps

Author: Andrew Dixon, Land Transport Manager
Fabia Fox, Policy Analyst

Authoriser: Andrew Dixon, Land Transport Manager

Recommendations

1. That the Infrastructure Committee requests a Patiti Point erosion management plan be developed addressing alternative access to Otipua Beach, future management of recreational facilities and long term protection of the Redruth landfill and Timaru cemetery.
2. That the Infrastructure Committee recommend to the Policy and Development Committee that funding from the Council Contingency fund for the development of a Patiti Point erosion management plan of \$30,000 excluding GST be allocated in the 2019/20 Annual Plan.

Purpose of Report

- 1 To provide the Infrastructure Committee with an update on the erosion at Patiti Point and consider options for the future management of this area in light of ongoing cliff erosion.

Assessment of Significance

- 2 This report has low significance under the Council's Significance and Engagement Policy, however, given the popularity of Patiti Point as a recreational space, an erosion management plan for the area would have a higher significance and community engagement would be considered in the plan's development.

Background

- 3 Patiti Point is a popular recreational area located at the end of South Street, Timaru. The southern end of Patiti Point is located to the east of the Caledonian Grounds. The eastern extension of the road, located close to the shoreline, leads to a small carpark (colloquially known as the surfers' carpark) and provides access to Otipua Beach (see Attachment 1).
- 4 There has been significant recent erosion along the coastline between Otipua Beach and Patiti Point that has resulted in the retreat of the South Street access road.
- 5 Observations show that the waves are hitting the cliff at 90 degrees, meaning the cliff is taking the full force of the swell. The increased force of the change in angle is undermining the cliff and dragging shingle and sand off the beach as the waves recede. The beach has lowered as a consequence and the high tide water level is at the base of the cliff which leaves the cliff more exposed.
- 6 Time-lapse drone footage will be shown at the meeting to illustrate the extent of the erosion.
- 7 At a meeting on 12 March 2019 the Infrastructure Committee considered a report on the extent of the erosion. Future management options were considered to minimise the risk

posed by on-going cliff erosion to vehicle and pedestrian users. The Committee also requested that options for alternative access routes to the surfers' carpark and Otupua Beach be investigated.

- 8 It was resolved that frequent site monitoring occur and that once recommended trigger points, determined by WSP-Opus geotechnical engineers, were reached, vehicular and pedestrian access to the southern end of South Street would be closed. The recommended trigger points were identified as the time when the distance from the cliff edge was one meter from the outer edge of the vehicle lane, and then from the walkway.

Discussion

- 9 The erosion has continued to be monitored and the safety fencing has been retreated back from the cliff a number of times since the report in March 2019. The road is now closed to all vehicle traffic while pedestrian/cycling access remains. The pedestrian/cycling access is now approaching the final trigger point and further erosion will result in the closure of this too.
- 10 The Parks and Recreation Unit are in the process of rerouting the coastal walkway away from this site due to the erosion. The realigned walkway is shown in Attachment 2. Once the new route is confirmed existing signage will be amended and new directional signs installed.
- 11 Alternative access is also being provided for machinery and service vehicles requiring access to the Saltwater Creek mouth and to carry out maintenance operation via the Caledonian Grounds. Environment Canterbury manages the opening of the mouth as part of its flood management activity.
- 12 The erosion now poses a risk to the shooting ranges, Deerstalkers' clubrooms and likely the balance of the Caledonian grounds. In the longer term, the Redruth landfill and Timaru cemetery may also be at risk.
- 13 It is timely that the Infrastructure Committee now consider further options for the future management of the area.

Options and Preferred Option

- 14 The possible options are –
- Option 1 – Do minimum
 - Option 2 – Erosion management plan
 - Option 3 – Erosion protection systems
- 15 Option 1 – This option includes continued monitoring of the site using a drone survey and closing off additional sections of the site if the recommended trigger points are reached.
- 16 Pedestrian access will remain and the rate of erosion will continue to be monitored and once the cliff is within one metre of the edge of the walkway pedestrian access will also be closed. Alternative pedestrian access through the Caledonian grounds is provided.
- 17 There is a high residual risk, with a low relative cost. The further erosion and the potential impact on recreational facilities is not considered. It is estimated to cost \$8,000 (excluding GST) per annum for surveying and monitoring.
- 18 Option 2 – This option is similar to Option 1, with the addition of an erosion management plan to address the further retreat of the cliff. The plan would consider the alternative access to

the surfers' carpark and Otipua Beach, future management options for recreational facilities in the area and long term protection for the Redruth landfill and Timaru Cemetery.

- 19 Currently, an option to create regular public access road through the Caledonian Grounds is not favoured because of security concerns from sports clubs who have facilities there. For several years the gates have been locked to the Caledonian Grounds when the facilities have not been in use to reduce the risk of criminal activities and vandalism. There is also an area of soft fill at this location which would make road construction more expensive. However, occasional access for events can be accommodated at no additional cost.
- 20 It is likely that the existing shooting ranges and the Deerstalkers' clubrooms in the Caledonian grounds will be impacted in the short term by the continuing erosion. Options for abandonment or relocation of these facilities need to be explored.
- 21 Long term the erosion may threaten the existing Redruth landfill area and the Timaru cemetery and would be prudent to examine options to mitigate this risk.
- 22 There is a medium residual risk, with a moderate relative cost. Ongoing monitoring is estimated to cost \$8,000 (excluding GST) per annum and \$30,000 (excluding GST) for the development of an erosion management plan. Potential compensation or relocation costs for non-council assets, such as sporting club facilities, has not been factored in at this time.
- 23 Option 3 – This option includes the construction of an erosion or wave protection system at the beach level along this site to reduce the impact of wave action against the cliffs and slow down the rate of erosion. The protection system may take the form of concrete tetra-pods, a retaining structure, or a composite solution. Detailed geotechnical and hydraulics assessments will be required to design the wave protection system.
- 24 This option is considered unsustainable with high relative cost. WSP-Opus estimated the geotechnical and hydraulic investigation and design at between \$30,000 and \$50,000 (excluding GST) dependant on the protection system, construction costs at \$150,000 for a rip rap, and \$200,000 and \$350,000 for a retaining structure (all excluding GST). Maintenance costs are estimated to be at least \$5,000 (excluding GST) per annum, resulting in a total maintenance cost of at least \$250,000 (excluding GST) for a system with a design life of 50 years.
- 25 The total estimated costs provided by WSP-Opus are approximately \$500,000 (excluding GST), subject to the form of the protection system and extent of the work. It should be noted that the costs are indicative only. The rate at which a protection system would slow the erosion and the long term robustness of this is difficult to determine. Furthermore the extent of the erosion has increased since these cost estimates were prepared and may increase.

Consultation

- 26 As the time of writing this report, initial engagement with Pistol Club and Deerstalkers Club on the Patiti Point cliff erosion has been offered but have received no response from either club.

Relevant Legislation, Council Policy and Plans

- 27 Local Government Act 1974 – legislates Council's powers relating to temporary road closures.
- 28 Timaru District Council Infrastructure Strategy 2018-2068 – highlights emerging issues facing Council infrastructure due to climate change, including coastal erosion and inundation.

Financial and Funding Implications

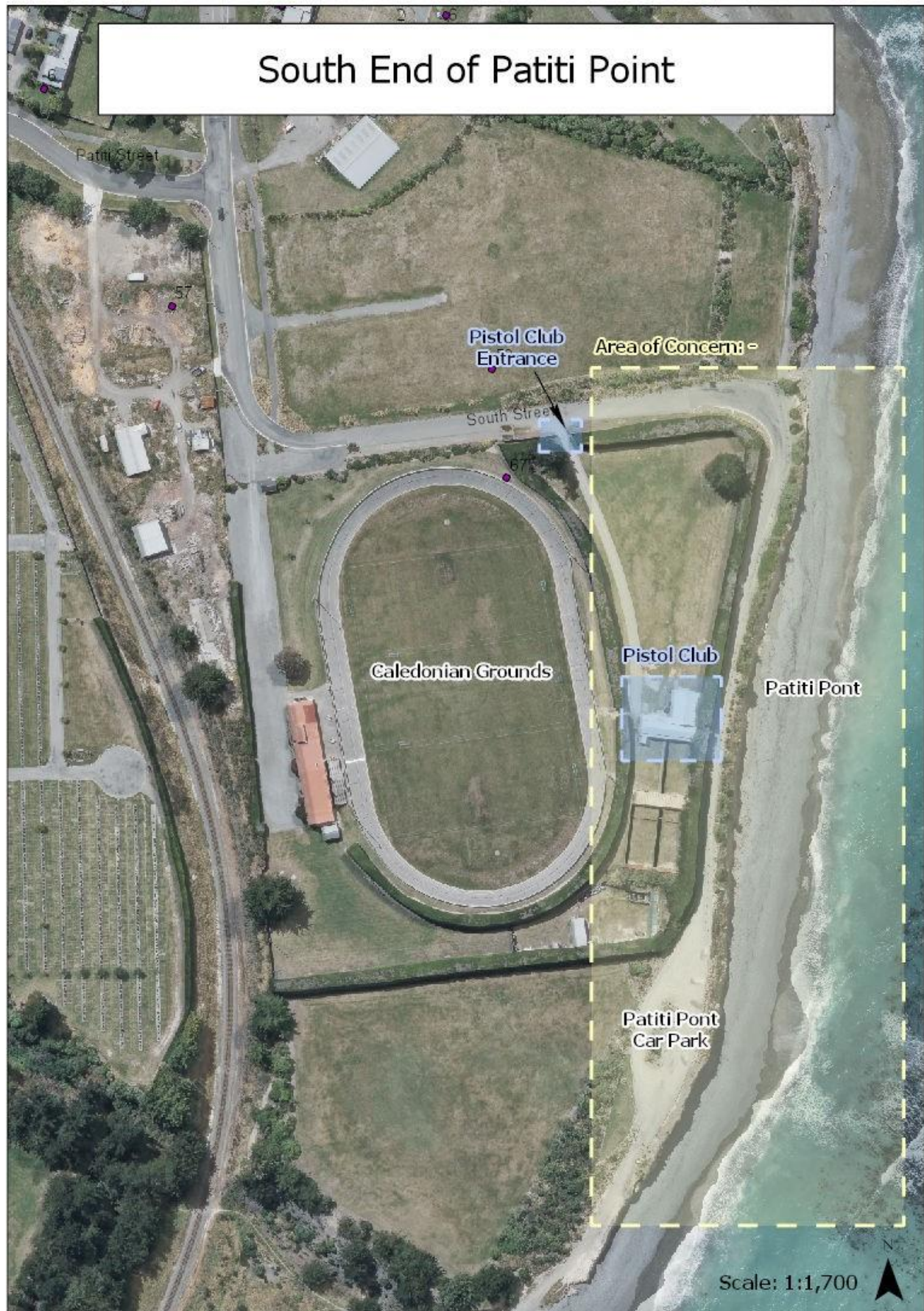
- 29 Option 1 can be funded through existing budgets.
- 30 There is no current budget funding allocation for Option 2. However, this could be funded from the Council Contingency fund that has a current balance of \$1.2 million excluding GST.
- 31 There is currently no funding allocated for Option 3 and given the significance of the potential expenditure this should be considered as part of the next Long Term Plan.

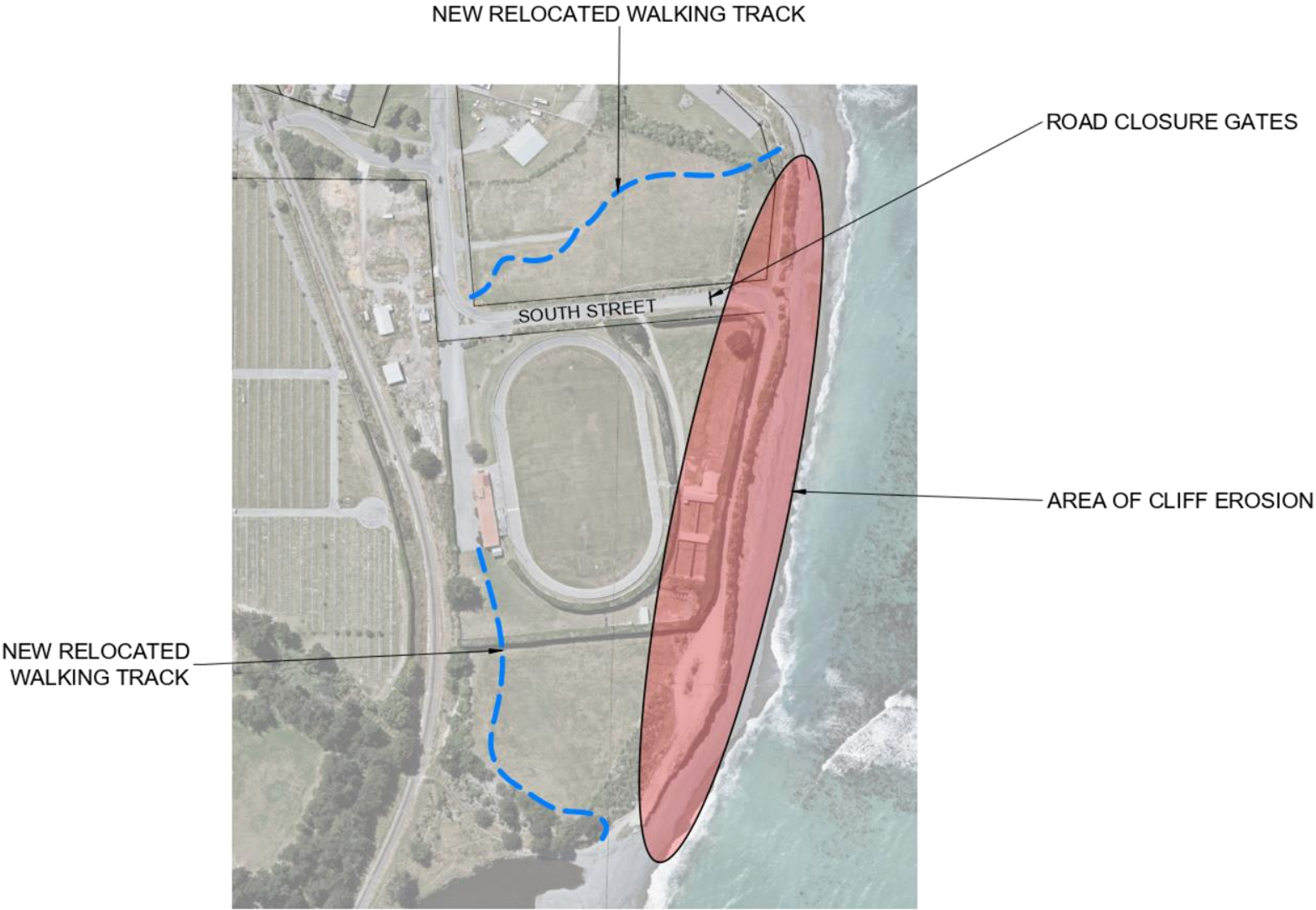
Other Considerations

- 32 Council has the power, under section 342 (in the manner provided in Schedule 10) of the Local Government Act 1974 to temporarily close a road to traffic including pedestrian traffic. The public safety risk posed by erosion and cliff instability is sufficient to comply with this criteria.
- 33 In addressing emerging issues, Council's 2018-2068 Infrastructure Strategy states that "coastal erosion and inundation is a dynamic and variable phenomenon, which is hard to predict and does not occur in a linear manner. Accordingly, this is an issue that Council needs to monitor closely and address as required."

Attachments

- 1. **South End of Patiti Point**  
- 2. **Patiti Point Walking Track Relocation**





7.2 Central Business Districts Refresh Update

Author: Andrew Dixon, Land Transport Manager

Recommendations

1. That the Infrastructure Committee approves the implementation of the refresh renewal projects for Timaru Central Business District within the budget allocation.
2. The Central Business District refresh projects for Pleasant Point, Geraldine and Temuka continue as programmed within approved budget allocations.

Purpose of Report

- 1 To update Infrastructure Committee members on progress made on the refresh of the Central Business Districts (CBD) of Pleasant Point, Geraldine, Temuka and Timaru.

Assessment of Significance

- 2 This report has low significance under the Council's Significance and Engagement Policy. However, given the community interest and focus of the CBD areas there is a higher significance and stakeholder engagement has been considered in the refresh implementation.

Background

- 3 The Timaru District Central business Districts (CBD's) were last upgraded in the early 1990's. A refresh generally involving the renewal of existing assets has been funded in current budgets. Refresh projects have been progressing over the last few years with some paving etching in all CBD's and refresh projects in Pleasant Point and Geraldine.
- 4 The refresh project priorities, developed through stakeholder engagement, for the rural CBD or town centres in Pleasant Point, Geraldine and Temuka were determined by the relevant Community Board and funding of these was approved by the Infrastructure Committee in May 2018.
- 5 Progress continues on these refresh projects that required further consultation with the Community Boards to determine the project extent, theme and specific furniture option choices within the allocated funding.
- 6 The priorities for Timaru CBD, also developed through stakeholder engagement, were presented to the Infrastructure Committee in May 2018. It was considered that the Timaru CBD required a long term strategic view and it was resolved that the Timaru CBD refresh items be put on hold pending further discussions on this.
- 7 This regeneration of the Timaru CBD project or City Hub was recently discussed at the May 2019 Council meeting and a steering group has been formed to drive this project. The strategy is funded separately to the CBD refresh budget.

Discussion

- 8 The Pleasant Point refresh projects are substantially complete with the assistance of the local Lions club. Projects included Kiosk, drinking fountain, cycle stands, footpath tile resetting and rejuvenation of seating and bollards and plantings upgrade on one street corner. The outstanding item is the repainting of bollards that will be done by the end of June 2019.
- 9 Refresh projects are underway in Geraldine with the tree trimming, removal and replacements complete. The footpath pavers resetting following tree root removal is progressing and this will be followed by a permeable resin being placed over the tree pits with the steel grates being removed. This work is expected to be complete in the next few weeks. The second stage will be the renewal of street furniture such as litter bins, seating and cycle stands and the removal of the existing bollards. The style of the new street furniture has been confirmed by the Geraldine Community Board and it is programmed to be installed in July 2019.
- 10 In Temuka the projects included renewal of litter bins, bollards, tree replacement, improved access from Commerce Street car park, drinking fountain, cycle stands and renewal of town entrance signage. The assessment of the extent of tree work has been completed and concept designs for the renewal of street furniture and signage have also been prepared. Options will be provided in a report to the next Temuka Community Board meeting on 1 July 2019.
- 11 In Timaru the priorities identified through the stakeholder engagement were:
 - Upgrade of seating, litter bins and bollards including repair, repaint and additional ones where need arises.
 - Improve pedestrian way finding signage.
 - Relocation of bollards are low bars to better align with parking spaces
 - Repair or resetting of damaged footpath tile pavers and use of asphalt at vehicle entrances as appropriate and removal of tree roots.
- 12 Some Timaru CBD refresh urgent renewal work has been completed. Seats have been refurbished on the Piazza and landing Services area. The Piazza water feature water race tiles replacement is nearing completion and footpath pavers have been replaced with asphalt on some vehicle crossings in the CBD due to extensive damage. In addition there is a more robust cleaning regime being undertaken following the etching work completed several years ago that seems to have reduced the slipperiness of the paving tiles.
- 13 Now that the long term strategy has been resolved through the City Hub strategy and is funded separately, it is timely to review the use of the Timaru CBD refresh budget allocation.

Options and Preferred Option

- 14 The rural CBD's are progressing or complete and this process should continue.
- 15 In regard to the Timaru CBD there are two options available.
- 16 Option 1 – focus on the renewal of existing infrastructure that are at the end of their useful life or a public safety hazard and proceed with the renewal of these items urgently. It should be acknowledged that there is a low risk that some renewed items such as furniture will be redundant if significant “structural” changes result from the City Hub Strategy because any significant physical works recommended by the strategy will be implemented after the next Long Term Plan. This is the preferred option.

- 17 Option 2 – Continue to leave Timaru CBD refresh projects on hold until the City Hub strategy is confirmed and the refresh renewals funding or items will be combined with any upgrade project proposed as appropriate. This option is not recommended.

Consultation

- 18 Consultation was undertaken with stakeholders as part of the Town Centre refresh projects identification process. The relevant Community Boards have been consulted and regular updates provided.

Relevant Legislation, Council Policy and Plans

- 19 Timaru District Council Long Term Plan 2018-28

Financial and Funding Implications

- 20 The current CBD Refresh budget for 2018/19 and 2019/20 financial years is \$565,500 excluding GST. The Council approved funding allocations (excluding GST) for the individual CBD's are:
- Pleasant Point \$45,000 (fully committed and expenditure on target)
 - Geraldine \$105,000 (fully committed with \$70,000 carried forward to 2019/20)
 - Temuka \$85,000 (Expected to be fully committed with some carry forward)
 - Timaru \$330,500 (\$37,000 has been committed)
- 21 The implementation of recommended refresh items for Timaru CBD as listed in paragraph 11 is estimated to cost approximately \$250,000 excluding GST. The remainder of the refresh budget allocation could be retained for structural upgrades recommended by the City Hub Strategy.

Other Considerations

- 22 A successful CBD must be vibrant, a place people want to be, a place that people can socialise. Opportunities to create this environment as part of the renewals being implemented should be considered.

Attachments

Nil

- 8 Consideration of Urgent Business Items**
- 9 Consideration of Minor Nature Matters**