

## Assets Infrastructure 12 July 2018 – Deputy Chair report

Firstly the unexpected death of George McIrvine is absolutely tragic and his financial acuity will be greatly missed by this Council. He was always available to discuss and clarify financial issues and his watchdog skills on Council spending was invaluable.

Very disappointed to see that the most sensible option for the Mangaweka toilet may not now happen and am surprised that NZTA have agreed to the alternate site. I appreciate that there is a time line re-funding from MBIE to get on with this build but I hope other options have been fully considered.

Memorial Park ablution block facilities-much to think about particularly with the figures quoted in Gaylene Prince's report.

The concept plans for the development of Papakai and Taihape Memorial Park look exciting. There is enthusiastic support from locals and I appreciate the balancing act with letting them get on with what they want to do and the legal H & S requirements that RDC must adhere to. It is always heartening to see communities get in behind local initiatives just as Marton community have done with their skate park.

Finally very good news on the \$300,000 from the Whanganui Community Foundation for the new Bulls community centre. It is a long slow process but this extra funding is a significant boost.

Cr Ruth Rainey

**TABLED DOCUMENT**

Tabled at Assets Infrastructure  
on 12 July 2018

MEMORANDUM FOR THE RECORD

DATE: 10/10/54

# TABLED DOCUMENT



**Rangitikei**  
UNPOPLY...

## REPORT

Tabled at Assets/Infrastructure  
on 12 July 2018

SUBJECT: **Otara Bridge Strengthening Physical Works**

TO: Assets/ Infrastructure Committee

FROM: Jim Mestyanek

DATE: 9 July 2018

FILE: 5-CM-1 C1038 and 6-RT-1 (67)

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### Purpose

To recommend the award of the physical works contract for the strengthening of the Otara Suspension Bridge.

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#### 1 Background

- 1.1 The Otara Suspension Bridge is located approximately 2km off SH1 near Ohingaiti. It spans 107m across the Rangitikei River at a height of 10.2m above the river bed. It was constructed in 1962 and is a boundary bridge shared 50:50 by Rangitikei District Council and Manawatu District Council.
- 1.2 In April 2017, signs of possible structural distress were observed. Shortly thereafter Council commissioned a detailed structural inspection of the bridge, which took place 30, 31 May 2017. The inspection revealed broken welds, loosened and missing bolts, and unexpectedly large vertical deflections under vehicle loading.
- 1.3 In Aug 2017, Engineers assessed the capacity of the bridge to be no greater than 80% Class 1.
- 1.4 On 1 December 2017, the Councils imposed restrictions of
  - 80% Class 1
  - 10 kph
  - only one vehicle on the bridge at a time.
- 1.5 These restrictions combined with the 6,000 kg restriction on the Mangaweka Bridge left the Toe Toe Bridge as the only full Class 1 bridge serving the Rangiwahia and Kawhatau areas. Heavy structural maintenance on the Otara Bridge already had been programmed for 2020-21. However, Council staff

immediately reconfigured the proposed LTP bridge budgets at both Councils to bring forward the works to 2018-19.

- 1.6 In April 2018, GHD Ltd Palmerston North produced a design of strengthening repairs to achieve full Class 1 loading. The Engineers Estimate was \$474,060 excluding GST.
- 1.7 The scope of works includes not only strengthening work, but also other necessary structural maintenance and safety improvements.
- 1.8 Council staff advertised an open tender on 6 June 2018 specifying the Price Quality Method outlined in the NZTA Procurement Manual.
- 1.9 Tenders closed on 3 July 2018, and Council received three tenders.
- 1.10 One tender submission was non-compliant and was eliminated immediately.
- 1.11 The two remaining tender submissions were evaluated on 6 July 2018 in accordance with the Price Quality Method as set out in the NZTA Procurement Manual. The Tender Evaluation Team (TET) comprised John Jones (TET leader), Jim Mestyaneck, and Alex Chisholm (Senior Structural Engineer, GHD Ltd)
- 1.12 The preferred supplier is Riverside Construction Ltd of Levin. Their tender price is \$549,358.95 excl GST.

## **2 Discussion and Options considered**

- 2.1 Nil

## **3 Operational Implications**

- 3.1 The operation of the bridge during construction will be affected by the works. However, the Contract specification attempts to achieve two things simultaneously: (1) to continue to accommodate the current allowable vehicle weight during the construction period, but also (2) to allow the contractor selected periods of full bridge closure to carry out essential work.
- 3.2 The Contract will achieve item (1) above by setting limits on the amount and extent of scaffolding erected on the bridge at any one time.
- 3.3 The Contract will achieve item (2) above by allowing full bridge closures only 5 days in any one week, Tuesday through Saturday, leaving Sunday and Monday free for normal leisure and business traffic. The proposed periods of closure will be notified 4 weeks in advance. At other times, road users may experience brief delays, but the contractor shall limit them to a maximum of 30 minutes in any hour.

## **4 Financial implications**

- 4.1 The tender price is 16% higher than the Engineer’s Estimate. However, it is still below the Annual Plan budget amount.
- 4.2 The expected costs to RDC are as follows:

Total Tender Price	\$549,358.95
Rangitikei DC Share (50%)	\$274,679.48
Less NZTA subsidy (63%)	\$173,048.07
Local RDC Share (37%)	\$101,631.40

- 4.3 The delegated authority for this level of expenditure lies with the Council itself.
- 4.4 The works shall be carried out under the work category 322 Bridge Replacement.
- 4.5 There are adequate funds in the 2018-19 Annual Plan budget to accommodate this value.

**5 Consultation**

Nil

**6 Cultural Considerations**

6.1 Nil

**7 Recommendations**

- 7.1 That the report “Otago Bridge Strengthening Physical Works” to the Assets/Infrastructure Committee’s meeting on 12 July 2018 be received.
- 7.2 That the Assets/Infrastructure Committee recommends that Council award **Contract C1038** for the **Otago Bridge Strengthening Physical Works (RDC share)** to Riverside Construction Ltd for a contract value of 50% of the tender price, which will be **Two Hundred Seventy-Four Thousand, Six Hundred and Seventy-Nine Dollars, and Forty-Eight Cents \$274,679.48 excl GST.**
- 7.3 If approved, then the works will begin in early-August and be completed by mid-December 2018.

Jim Mestyanek  
Senior Projects Engineer – Roading

