

Rotu intake slip repair

Meeting: Kaipara District Council
Date of meeting: 24 June 2020
Reporting officer: Donnicks Mugutso, Waters and Waste Manager

Purpose/Ngā whāinga

To seek approval to award the Rotu Intake Slip Repair contract to United Civil and utilise funds from current budgets in the Dargaville Water Supply Activity and approve further funding of \$328,000.

Executive summary/Whakarāpopototanga

The Rotu intake is used to augment the supply for Dargaville and Baylys Beach during low flow in summer. In February 2020 a 15-20m slip developed and temporary emergency work carried out.

An urgent permanent solution is necessary to alleviate the risk of the temporary works being washed out due to heavy rain fall and high river levels in the winter months and taking out the whole Rotu Intake facility and surrounding land.

A preferred solution has been developed. As emergency works, it is unbudgeted and requires funding approval which includes a combination of reallocation of existing budget and new budget raised through overspending this year's (2019/20) opex budget.

A procurement exercise has been undertaken and the preferred contractor is United Civil Limited. The works will commence as soon as funds are confirmed.

Recommendation/Ngā tūtohunga

That the Kaipara District Council

- a) Notes the Rotu Intake Slip Repair report (for information reports only, not required for decision reports).
- b) Approves the award of the Rotu Intake Slip Repair Contract to United Civil Limited and for \$660,374.99 plus GST and;
- c) Approves the utilisation of the Dargaville Water Supply savings and unutilised budgets to the amount of \$366,000 and a further funding of \$328,000 from overspending this years opex budget.
- d) Delegates the Chief Executive to inform United Civil of the Council decision and execute the contract.

Context/Horopaki

Overview

The Rotu Intake, with Waiparataniwha are our two consented water takes for Dargaville town supply. Waiparataniwha is the main supply and has better quality raw water while Rotu is used to augment the supply at Rotu during low flow in summer.

In February 2020 as a result of the drought, and the extremely low water levels in the Kaihu River, a 15-20m slip developed along the riverbank supporting the Rotu Intake facility. Temporary emergency work was immediately carried out to reduce the risk of any damage to the bank and facility and allow time to investigate a more permanent solution.

Investigation

A consultant, WSP, was appointed through the Professional Services Contract, to provide a desktop estimate based on current information, carry out a more in-depth geotechnical investigation, provide detailed design drawings, contract documents and specification.

Due to the urgency and complexity of this work, it was agreed that the quickest and most effective option was the use of Early Contractor Involvement (ECI). This involves engaging a suitably qualified contractor through the duration of the design, to apply the best design option with constructability.

The geotechnical investigation, identified soft soil materials, including peat which requires the piles to be up to 16m in length. WSP worked with the ECI Contractor to identify the most cost-effective option, with a recommended design.

Procurement

In accordance with the Procurement Plan, limited timeframe, COVID-19 lockdown and the urgent requirement to provide a solution, a select list of Contractors known to KDC with experience and expertise in this type of work was sent Request for Quotation (RFQ) to provide a proposal with supporting information. These contractors were; Broadspectrum Roding, United Civil Construction and Steve Bowling Construction with a 2 day response timeframe to provide Information.

Proposals were received from Broadspectrum Roding and United Civil Construction, with Steve Bowling Construction not responding.

An open Evaluation was performed by Bill Down (Lead), Mark Bell and Matthew Williams based on these criteria:

5.3 Evaluation Criteria and Scoring (Nominating Contractor)	
NON-PRICE CRITERIA	WEIGHTING
Capacity to do this work at this time,	30%
Benefit to Kaipara Economy	20%
HSEQ Record	25%
PACE results	25%
Nominated Contractor	Highest rated by evaluation team
PRICE	
Value for money in current climate	Rates negotiated

The Evaluation and Report was completed with United Civil Construction appointed as successful ECI.

Budgets

The total cost of the physical works is \$660,374.99 plus GST. An additional \$33k is required to cover MSQA and Supervision.

The Dargaville Water Supply has some projects which have been delivered within budget and some which we could not utilise the full budgets this year and were intended to be deferred to next year.

Project ID	Project Name	Status	Amount
11099	Baylys Trunk Main S3: Replace 1.5km	Saving	\$ 96,000
10770	Backwash Discharge WTP	Saving	\$ 18,000
12003	Dargaville Water Treatment Plant (Stage 1 of 2)	Current year reduced scope	\$147,000
12011	Dargaville Raw Water Main River crossings (Stage 1 of 2)	Current year reduced scope	\$105,000
Total Funds to Utilise in Rotu Intake Slip Repair			\$366,000

If these funds are utilised in the Rotu Intake Slip Repair project, a further funding of **\$328,000** is required.

Discussion/Ngā kōrerorero

Options

Option 1: Council approves the award of the Rotu Intake Slip Repair Contract to United Civil Limited

Option 1: Advantages

The work gets done quickly before a rain event causes further deterioration of the bank thereby compromising the Rotu Intake.

Option 1: Disadvantages

This causes an increase in the Council debt level which increases rates as this work is emergency works and was not budgeted for in the current Annual Plan.

Option 2: Council does not approve the award of the Rotu Intake Slip Repair Contract to United Civil Limited

Option 2: Advantages

No increase in Council debt and rates unaffected.

Option 2: Disadvantages

This exposes the Rotu Water Intake which is one of the two water sources for Dargaville Water supply to the risk of permanent and more costly damage.

Exposes the adjacent land to subsidence and further failure which could affect the course and stage of the river.

The recommended option is **option 1**.

Policy and planning implications

No implications

Financial implications

There could be both a debt and consumer rate increase due to the emergency work as no funds were budgeted in the Annual Plan.

Risks and mitigations

If the works are not carried out, the bank of the Rotu river could collapse causing subsidence of the adjoining land, a change in river cause, damage to the pump station house and the intake. It will cause water security issues if the Rotu Take is out of action. The alternative Water Takes at Waiparataniwha provide reprieve during winter when their flows are at capacity but when the summer comes Rotu augments these Water Takes.

Significance and engagement/Hirahira me ngā whakapāpā

The decisions or matters of this report do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via agenda on the website.

Next steps/E whaiake nei

The Chief Executive informs United Civil Limited of the Council decision and executes the contract if approved by Council.