

# Public Works Department

20 June 2018

## Summary

VIRIP No: W1-02-17

Value: VT202,500,192  
(~USD2 million)

Award: 3 Nov 2017

Start: 14 Feb 2018

Finish: 30 July 2018

% Progress: 75% (on time)

Start date of contract occurred late because of lack of barge for mobilization and coordination with other works (W1-01-17).

# Vanuatu Infrastructure Reconstruction and Improvement Project

## Tanna - Kings Cross Road Improvement – Bitumen Works

Downer EDI Works Vanuatu Ltd was awarded W1-02-17 Tanna – Kings Cross Road Improvement – Bitumen Works on 3 Nov 18 for VT202,500,192. Works started on 14 February 2018 and at this stage will be complete on time by 30 July 2018. Works are proceeding very well with the first 2.8km of road prepared and sealed up to Lownielapen Village. Works are well underway with the works over 75% complete and around 1000 lineal metres sealed with bitumen/day.

The Construction Supervisor together with the S1-01-17 Design Consultant Qualao Consulting Ltd investigated Downer's proposal to use 'Sandvik teeth' on the Grader blade to re-use existing pavement, recently constructed under R4D, rather than import an additional 75mm of additional base as a correction layer. The proposal was provisionally approved after testing and has resulted in a potential saving of VT26 million.



*Sealing works underway*



*Miriam from  
Lownielapen Village*

This has provided an overall saving to the contract, which has allowed a modest expansion of the sealing works.

The Tafea Divisional Manager, Nathan Tabi and he is extremely pleased with the progress of the Contractor and advice from the Design Consultant. Miriam from Lownielapen Village is very pleased with the works, stating 'mifala hapi tumas long tar sil rod'

*Acting Director PWD Junior  
George inspected the completed  
works and took the opportunity to  
be briefed on the Sandvik teeth  
that saved the Government  
around VT26 million.*



## Contact Us

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## Contract Details

### Justification

The Lenakel – Kings Cross Road is a key economic route with strong social importance. The route is also an evacuation route for approximately 5,000 people who live on the Eastern side of the Tanna and provides the only key link for the airport, wharf and other key social infrastructure. The route is the only access to Mt Yasur, a key tourism attraction. The identified road section for bituminous sealing are relatively steep rising from 9m to 427m over a 14.7km route. Whilst there are very steep sections (up to 20%) between Lenakel to peak of the road section (adjacent to Kings Cross Village), some sections have already been strengthened with reinforced concrete pavement. This road section has historically had increased maintenance needs to repair erosion along this route. The identified road sections quickly become impassable to most vehicles during heavily rainfall periods. The Lenakel to Kings Cross Road was recently upgraded by PWD through its R4D program for a cost of about AUD1 million (USD750,000), including concrete pavements, extensive regravelling and improvements to drainage.

### Objective

The works outcome will be improved resilience of the Lenakel-Kings Cross Road to provide: all weather access from population centres on East Tanna to key social infrastructure; improved economic links; and a secure evacuation route.

### Results

By August 2018 the activity will have delivered improved the disaster and climate resilience of the Lenakel to Kings Cross Road (Tanna). 5,000 people will have improved all weather access.

### Works description

Application of approximately 12,900 lineal metres and 5 metres wide of a Double Bituminous Seal Treatment, consisting of a 14mm and 7mm sealing aggregates with C170 Grade Bitumen in a 'Double-Double' application type between Lenakel to Kings Cross.

Works are being undertaken as per the PWD Specifications and Standard PWD Drawings, with Supplementary Specifications.

### Timing and Cost

Works started on 14 February 2018 and will be completed on time by 30 July August 2018. Value of the works is VT 202,500,192 (~USD2 million).

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