



ROAD DEVELOPMENT AUTHORITY

Project: Reconstruction of Takamaka Bridge along Vacoas La Marie Road (B64)

1.0 Background

On 27 April 2021, further to torrential rainfall in the region of Vacoas bridges found along Takamaka River were flooded. Following the flooding event, Land Drainage Authority (LDA) recommended the reconstruction of the Takamaka bridge along Vacoas-La Marie Road (B64) under the National Flood Management Programme (NFMP).

2.0 Bridge along Dispensary Road.

2.1 Existing Bridge

The old Takamaka (Sin Fat) bridge is found along the Vacoas- La Marie Road (B64) at La Caverne and in between the congested junctions of L'Abattoir road and Thompson Road. The bridge provides a critical crossing between the upper and lower Plaines Wilhems. The road was narrow, approximately 5.8m wide, along the bridge owing to parapet walls on both sides. The bridge was a single span composite structure with masonry abutment walls of height 2.2m and reinforced concrete deck of depth 0.7m. The bridge had a hydraulic section of 5m wide and 2.2m high to allow passage of water.

2.2 New Bridge

As per LDA recommended, the new hydraulic section of the bridge should be able to cater a rainfall intensity with a return period of 1 in 100 years. In light of the above, the new bridge was widened to have a hydraulic section of 9.5m and 2.5m high as approved by the LDA.

3.0 Construction Works

The Contractor was selected from RDA Framework Agreement for Road and Minor works (2020-2023) through established Call Off procedures.

Works Order Data

Contractor: Gamma Construction Ltd

Contract value: Rs. 24,951,105.56 (incl VAT)

Date of award: 20th September 2021

Commencement date: 01st October 2021

Contractual Completion date: 28th February 2022

Actual Completion Date: 2nd May 2022

4.0 Scope of works

The works to be executed involve, amongst others, the following:

- Demolition of existing bridge.
- Reconstruction of the new Takamaka bridge as per LDA approved section.
- Improvement of the junction of Vacoas-La Marie Road (B64) and Thompson Road by providing a better turning radius thereat.
- Construction of retaining walls along Thompson Road.
- Relocation of the existing 3 main CWA pipes along the bridge.
- Relocation of existing Mauritius Telecom optical cables.
- River dredging at inlet and outlet of bridge.
- Provision of miscellaneous road equipment such as markings, traffic signs, handrails, etc;

5.0 Temporary Closure of Road

The Public was apprised of the nature of works to be carried out and temporary closure of road was put in place as from the 19th November 2021 for an initial period of 4 months.

Due to adverse weather conditions and unavailability of fittings from the CWA, the project was delayed.

However, bridge was temporarily opened to traffic during the Maha Shivaratree festival in the end to February to mid of March 2022, and thereafter closed again to complete the outstanding CWA works and final resurfacing.

The works are now completed and the road/bridge has been permanently opened to traffic on the 2nd May 2022 before the Eid Festival