

# Rehabilitation of Cavendish Bridge at Ville Noire

## Brief



### Cavendish bridge Mahebourg

#### **1. Introduction**

The Cavendish Bridge was constructed in 1911. This bridge provides a link from Mahebourg Village to Ville Noire. The bridge is approximately 200 m long with a 6.1 m wide carriageway and 1.25 m wide footway on both side of the bridge. Over the years, the state of the bridge has degraded considerably. Hence, it is urgent for rehabilitation works be undertaken for the safety of road users and to prevent further deterioration and possible collapse.

#### **2. Scope of work**

- The Works shall consist of the following: -
- Repair of the bridge expansion joint;
- Replace existing wooden planks by treated timber boards locked by steel rails;
- Fix steel bracings to support the U-Section beams;
- Treat all corroded reinforcement bars and seal all cracks with an appropriate cement grout mixture;
- Repair all steel elements;
- Sand blasting of whole bridge;
- Upgrade drains and footpath at each approach to the bridge;
- Upgrade all drainage outlets;

- Repair the faulty luminaires;
- Provide adequate road furniture;
- Landscaping works;

### **3. Project Duration**

180 Calendar days

### **4. Status**

Start date: 17/08/2021