

LO 2741/BL- GY: Road Network Upgrade & Expansion Program: Sheriff Street – Mandela Avenue Roadway Expansion Project

Background

On December 11, 2017, a contract was signed between the *Ministry of Public Infrastructure* and *Sinohydro Corporation Ltd* for the rehabilitation of the Sheriff Street – Mandela Avenue Roadway at a cost of USD31,027,627.36. With funding construction works are expected to commence in March, 2018.

The funding is provided through the loan LO 2741/BL-GY: Road Network Upgrade & Expansion Program and forms Component 2 (C2) of the reformulated loan programme between the Cooperative Republic of Guyana and the Inter-American Bank (IDB). Component 1 is a housing sector development project to be undertaken by the Ministry of Communities.

The contract of the construction works is a measured works contract where the stakeholders, Ministry of Public Infrastructure and the Contractor will collaborate to reduce and achieve a cost effective and complete project.

Contract Details

Contractor: Sinohydro Corporation Ltd

Contracting Agency: Ministry of Public Infrastructure

Contract Sum: USD31,027,627.36

Contract Duration: 24 months

Scope of Works

The scope of works for the Sheriff to Mandela road corridor includes:

- Pavement Rehabilitation,
- Road Safety Engineering
- Traffic and Drainage Improvements Works
- Construction of bridges, culverts and a pedestrian overhead walkway.

Project Description

The scope of works for the Sheriff - Mandela road corridor rehabilitation includes pavement, road safety, traffic and drainage improvement works. The total distance of roadway to be rehabilitated / constructed is 7km. There will also be drainage works and structural works to bridges, culverts and other supporting infrastructure.

Pavement rehabilitation works will include the construction of a two (2) lane roadway with a concrete median separating the two lanes along Sheriff Street with sidewalks, cycle lanes and parking. Mandela Avenue will involve the expansion of the roadway from a two (2) lane to a four (4) lane with a central concrete median, with shared-use paths (combined sidewalk and cycle lane).

Road construction works will also include a roundabout will be constructed at the junction of Sheriff Street and David Street / Railway Embankment Road.

There will be the construction and expansion of the bridges and culverts to meet the road requirements of AASHTO HS-25 standards/HL-93. There are 3 bridges and 7 culverts identified for construction or expansion.

A pedestrian overhead crossing will be constructed on Mandela Avenue, in the vicinity of the North Ruimveldt Secondary School, to provide for the safe crossing of the Mandela Avenue Roadway by students, teachers and residents at this area.

The works also entail the construction of sidewalks, medians, parking lanes, bicycle lanes, road shoulders along the length of the corridor. For road safety, there will be the installation of road safety elements such as pedestrian crossings, bus stops, road marking and signs, upgrade traffic intersection signals at each of the major road junctions and road lighting along the roadway corridor.

Project Objective and Specific Construction Details

The long term objective of this project is to improve traffic flows, reduce delays as a result of a distressed roadway and improperly functioning traffic signals, reduce accidents and fatalities along this busy roadway corridor. Traffic demand for this roadway is only expected to increase for access to both the East Coast of Demerara and East Bank of Demerara, using this main interconnection road link, until the East Bank-East Coast Road Link becomes a reality.

1. Rehabilitation of roadway on Sheriff Street and on Mandela Avenue (expanded to 4 lanes).
2. Construction of a Roundabout at the junction of Sheriff Street and David Street / Railway Embankment Road.
3. Construction of sidewalks, cycle lanes and bus laybys.

4. Construct three (3) concrete bridges, seven (7) concrete culverts and a steel overhead walkway that connect the eastern and western road sides along the busy EBDPR.
5. Installation of traffic signals and roadway lighting, traffic signs and roadway markings.
6. Construction of a combination of concrete roadside drains and buried HDPE pipes to develop and improved the conveyance of rainfall runoff and effluent from properties/businesses along the roadway.

Projected Beneficiaries

Improved and orderly roadway access and convenience for all communities along the Sheriff St. – Mandela Av. Roadway and the communities adjacent as well. All road users will be provided with a rehabilitated roadway that provides all the amenities of a modern roadway to travel in comfort.

Access to businesses and residences along the roadway will increase due to organized parking arrangements and the presence of sidewalk and cycle lands for the more vulnerable road users.

Increased health benefits can arise as the use of these sidewalks and cycle lanes in convenience and safety, will encourage more persons to use these facilities for work, leisure and exercise, thereby promoting health and vitality.