

MINISTRY OF WORKS AND TRANSPORT
COASTAL PROTECTION UNIT

Sans Souci Shoreline Stabilization Works

Coastal Protection Unit

- Established in August 2014
- To carry out the mandate of the Ministry of Works and Transport (MOWT) through the execution of the Critical Coastal Protection Programme.

Aim of the CPU: *to create a world class national coastal defence system to mitigate against shoreline erosion, coastal flooding and other health and environmental hazards through hard and soft coastal engineering techniques and management methodologies.*

Mission Statement

To deliver sustainable coastal management strategies in order to protect vulnerable communities, the built and natural environment along Trinidad coastal areas from increasing vulnerability due to coastal erosion and coastal flooding.

Strategic Objectives of the Coastal Protection Unit

- * To deliver the Coastal Protection Programme of Critical Works
- * To implement the Government of Trinidad and Tobago's (GORTT's) existing policies regarding the protection of the country's coastline and the adaptation to climate change
- * To recommend a lasting course of action for the sustained delivery of the Ministry of Works and Transport (MOWT's) coastal protection mandate.
- * To deliver critical coastline defence engineering works
- * To continuously monitor the coastline to identify issues that affect its stability
- * To recommend a lasting course of action for the sustained delivery of the Ministry of Works and Transport coastal protection mandate

Site Location



Site Location



Problem Identification

1. Constant wave action, resulting in undermining of cliff base causing landslide;
2. Removal of sediment at the base of cliff, resulting in the undermining and collapse of rubble retaining seawall;
3. Slipping of cliff, causing instability of main roadway to neighbouring communities eg. Grand Riviere and Matelot.

Project Objectives

- Reduce the frequency and severity of the coastal erosion, thereby reducing the risk to lives and preventing damage to public and private properties, and infrastructure.
- Eliminate the loss/damage to the major roadway with emphasis on the Paria Main Road along Fan Point and San Souci Point.

Project Scope

1. Demolition and removal of derelict structures;
2. Construction of a 210 meters rubble mound rock revetment and 128 meters of retaining structures;
3. Surface water runoff improvements and other ancillary works.

Benefits of Project

SAFETY

1. Increasing the width of the road would reduce the hazard during coastal erosion events
2. Improved drainage systems will improve stability of retaining walls and roadway
3. Shore revetment aims in protection of residential and commercial properties on the coastline from coastal erosion

Benefits of Project

SOCIAL

1. The area is an important, attractive area of existing developments. The implementation of coastal protection works may encourage private developments.
2. There is a great deal of local and tourism potential with regard to recreation and amenity value. Also the area has high potential for Ecotourism. These may be enhanced if access is improved by the construction works.

CONSTRUCTION ACTIVITY	POTENTIAL IMPACTS	MITIGATION MEASURES
Clearing Grubbing and Demolition (existing derelict seawalls)	Increased traffic to project site (Plant and Equipment)	Effective Traffic Management Plan. Adequate signage shall be provided to notify drivers of the construction works. “Flaggers” and/or police officers shall be used to control the flow of traffic.
	Noise levels	Effective Environmental Health and Safety Plan. Construction hours will be during the day time, with night time works being avoided as much as possible.
Excavation Works	Increased traffic to project site (Plant and Equipment)	Effective Traffic Management Plan. The movement of vehicles shall be scheduled for during off peak hours. Adequate signage shall be provided to notify drivers of the construction works. “Flaggers” and/or police officers shall be used to control the flow of traffic.
	Increased Noise levels	Effective Health and Safety Plan Construction Hours will be during the day time, with night time works being avoided as much as possible.
Construction of shore rock revetment	During construction phase small fish landing facility will be affected	The construction of rock revetment in this area will be effectively scheduled and managed to prevent effects to

Project Deliverables

- * Improved Roadway
- * Improved Road Drainage
- * Improved coastal protection from effects of wave activity (rock revetment)



Contact

For information and comments please contact

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By April 18th 2017.