



UPGRADING OF RADIER SAINT MARTIN AT BEL OMBRE

PROJECT BRIEF

11 April 2018

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1.0 BACKGROUND

The “Upgrading of Radier St Martin” Project consists of the upgrading of an existing radier of an approximate length of 90m along B9 road at Bel Ombre. The principal aim of the project is to provide a new bridge of higher hydraulic capacity across River Saint Martin as the existing radier is frequently flooded during downpours, thereby rendering the road impracticable during adverse weather conditions. The Upgrading of the Radier is being undertaken as Design and Build basis by the Contractor; Gamma Construction Ltd.

2.0 SCOPE OF WORKS

The Scope of Works includes the following:

1. Upgrading of Radier Saint Martin of approximate length of 90m along B9 road at Bel Ombre. Demolition of the existing structure and reconstruction of a new radier with culverts/ bridge of adequate size to provide unrestricted flow of the River Saint Martin into the sea. Provision of culverts/ bridge, deck, headworks, footpath, handrails, lighting, etc. The Upgrading of the Radier shall be undertaken as design and build basis by the Contractor;
2. Upgrading and tie in of 150m of B9 road on either sides of the new Radier St Martin;
3. The upgrading and extension of existing pipe culverts and cross drains along existing road;
4. Construction of road side footpaths, drains and retaining structures such as masonry wall;
5. Diversion and relocation of existing services;
6. Provision of miscellaneous road equipment such as road marking, cat’s eyes, traffic signs, handrails, safety fences, road lightings, etc;
7. Construction of two bus lay bys;

ANNEX I
PROGRESS PHOTOGRAPHS

A. BRIDGE WORKS – CASTING OF CULVERT FLOOR



Figure 1: Backfilling, compacting and preparing platform of floor



Figure 2: Preparation of platform for floor



Figure 3: Slump test



Figure 4: Slump value recorded



Figure 5: Casting of culvert floor



Figure 6: Finishing work on culvert floor



Figure 7: Spraying of Jetcure WB75 (curing compound)



Figure 8: Erecting scaffolding for shuttering of wall



Figure 9: Preparation for shuttering



Figure 10: Shuttering of casting of culvert wall



Figure 11: Culvert wall casted

B. EMBANKMENT AT CH 280- CH 300



Figure 12: Rock filling followed by compaction by 18 ton roller



Figure 13: Plate Bearing test carried out on embankment

C. CONSTRUCTION OF BUS LAYBYS



Figure 14: Two new bus laybys constructed with new bus shelters



Figure 15: New Bus shelter placed

D. RAISING OF FOOTPATH IN FRONT OF FISHERIES OFFICE AT CH 130



Figure 16: Raising of openable slabs and footpath



Figure 17: Casting of raised footpath

E. LAYING OF KERB AT CH 130-CH160



Figure 18: Laying of kerb at CH 130 CH 160

F. RAISING OF DRAIN 500 AT CH 315 TO CH 360



Figure 19: Laying of drain 500s at CH 315 to CH 335(ii)

G. MASONRY DRAIN AT OUTLET – CH 390.0



Figure 20: Construction of Masonry drain – CH 390.0

H. CASTING OF FOOTPATH – CH 390.0 to 415.0



Figure 21: Casting of footpath

I. STREETLIGHTING BASE – CH 120.0 LHS



Figure 22: Reinforcement of streetlighting base



Figure 23: Casting of streetlighting base

