CONSTRUCTION OF GRADE SEPARATED JUNCTIONS AT PONT FER/ JUMBO/ DOWLUT ROUNDABOUTS

I. Project Details

Employer: Road Development Authority

Engineer: Korea Expressway Corporation

Contractor: Transinvest-GCC-Bouygues TP- VSLi Junction Pont Fer & A1-M1 Link Rd JV Ltd

Contract Value: MUR 4.26 Billion including VAT (A1-M1 Bridge included)

Duration: 958 days

Overall Progress as at August 2019: 17.5% (Progress @ GSJ: 25.6%)

II. Project Background

The main objectives of the project are:

1. To improve fluidity of traffic in order to reduce congestion time and associated costs;
2. To decrease accidents by providing state-of-the-art road safety equipment; and
3. To enhance the level of service to road users through the provision of high quality infrastructure.

III. Project Scope

In order to address the high levels of congestion currently experienced at the Pont Fer, Jumbo and Valentina roundabouts in Phoenix, and with the consideration that the traffic along Motorway M1 in the northern and southern directions should constitute priority, it is required that grade separated junctions be constructed at all 3 roundabouts.

a) Pont Fer Roundabout & Viaduct
   - In order to improve the mobility of M1 motorway and relieve the traffic congestion at the Pont Fer roundabout, a 315 m long new viaduct will be constructed over the existing motorway.
   - By realigning the existing access road to the industrial zone, the risk of traffic accident when entering or exiting the industrial zone is expected to be considerably reduced.
b) Jumbo Intersection and Sodnac Link Road
   - A new viaduct of 180 m will be placed along B63 road to provide vehicles heading for Port Louis with higher mobility. This viaduct will span the Jumbo intersection and then end before the Pont Fer roundabout to merge into the M1 motorway.
   - The existing roundabout will be converted into a signalised intersection with three legs (T-shape) to ensure better integration with the Metro Express.
   - Sodnac Link Road, which is directly connected with the Jumbo Roundabout, will be rearranged to reduce the congestion at the Jumbo intersection.
c) Dowlut Ramp

- Instead of roundabout, a new ramp (Dowlut Ramp 1) with a length of 28 m will be constructed to keep the connectivity between A10 road and the southbound M1 motorway. In the meantime, another ramp (Dowlut Ramp 2) will diverge from the Dowlut Ramp 1 to enable vehicles from the north to take the M1 motorway towards the south.