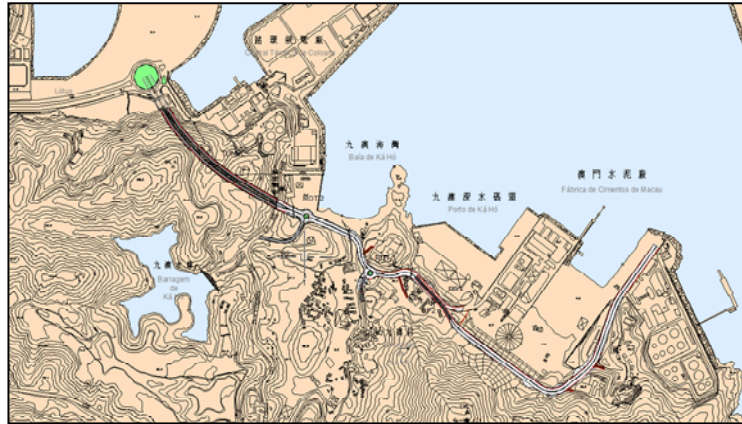


ROAD LINK CONNECTION OF THE ROUNDABOUT OF THE THERMAL POWERPLANT OF COLOANE TO THE KA-HÓ HARBOR

Design



Client / Employer Government of Macao Special Administrative Region
 Infrastructure Development Office

Service Design provided by CONSULASIA, LDA.

Investment Approx. MOP 65 Million

Contract price MOP 1,689,800

Time Schedule February 2009 to May 2009

Description of the Project The project aims to create an open sky road link between the Thermal Powerplant Roundabout and the KA-Hó Harbor, which will increase the accessibility and quality of circulation to and from the western side of Coloane Island, with the following primary constraints:

- _ Reduction of interference with concessions.
- _ Maintenance of access to the roads that currently converge to the Estrada de Nossa Senhora de Ka-Hó.
- _ Circulation of heavy vehicles.
- _ Rugged topography of the site.

The project involves the following specialties:

- _ Road Mapping
- _ Earthworks
- _ Paving
- _ Drainage
- _ Signaling
- _ Support Walls (with 10 meters high)
- _ Viaduct