

PROJECT DATA SHEET

Project Name : LRT System 2, Package 1C, Kerinchi to Pasar Seni

Project no. : 9130

Country :

Malaysia

State :

Kuala Lumpur

Client :

Putra Berhad

No. of Professional Staff Involved :

28

No. Of Professional Man - Months :

250

Approximate Value of Project:

RM360 Million

Start Date :

October 1994

Completion Date :

September 1998



Associate firms (if any) :

Description of Project and Services Provided:

HSS Integrated Sdn Bhd was engaged by Putra as the Detailed Design Consultant, for the elevated viaduct, which was 14.1km long and covering a total route of 29km. The elevated viaduct was constructed with precast segmental of various spans of 18km to 63m. The superstructures were all simply supported for spans up to 36m and were made continuous for longer spans. Extensive standardisation of detailing and dimensions were done to minimise variation and reduce casting times. The precast spans were erected using external prestressing with dry joints, ie: joints without any gluing material, to reduce erection time. The erection sequence adopted for the whole stretch was span by span.

Approximately 8,000 number of precast segments were used.

1,600m of the viaduct was cast in-situ reinforced concrete structures. The substructure consisted of rectangular piers standardised for pier heights up to 18m in height. The foundations were all bored cast in-situ piles of 800mm to 2,000mm diameters.

Services :

- Geotechnical study
- Structural, foundation and drainage design
- Costings
- Tender and contract documentation
- Traffic management
- Utility/Services relocation
- Supervision