

HONG KONG: TUEN MUN NEW TOWN DEVELOPMENT

- **Client:**
Territories Development
Department,
Hong Kong Government
- **SWK appointment :**
1973- current
- **Scope of work:**
Design and construction
supervision of infrastructure of
new town for 500,000 people
- **Construction cost (1988):**
HK\$ 2,200 million

Tuen Mun New Town is sited on 2000ha of mainly reclaimed land. The town is one of several in the New Territories planned by the government to relieve pressure on the existing urban areas and to cater for the territory's rapidly expanding population.

Tuen Mun's development began in 1974. It has been planned as a largely self-contained community with a mixture of government and private sector housing, factories and industrial sites, a sophisticated transport infrastructure and its own community, educational and health care facilities.

The town's population has grown rapidly from 20,000 in the early 1970's



and is expected to peak at around 500,000 in the early 1990's. SWK were appointed by the government as consultants for all the town's infrastructure development.

Reclamation and drainage

Reclamations planned and supervised by SWK have resulted in 1200ha of new land being formed specifically for the town. More than 30 million cubic metres of marine fill and excavated

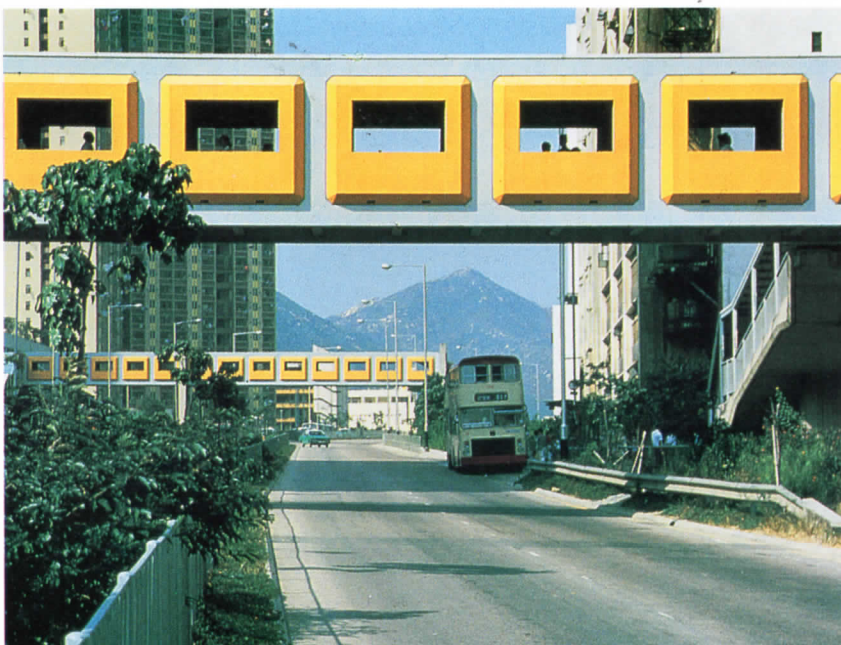
material from land-based earthworks were used during the reclamation work. Marine works have included the construction of seawalls and breakwaters for a new 60ha harbour to provide a base for a large fishing fleet and a port for river traffic and cargo lighters.

An extensive system of seawater intakes and drainage outfalls has been designed for the town and a wide channel has been formed between sloping walls to collect stormwater and discharge it into the harbour.

Transport

A network of primary, distributor and local roads and interchanges has been completed. Infrastructure development under SWK design and supervision is continuing with roads and footbridges being constructed in both reinforced and prestressed concrete.

SWK have been involved in all the transportation studies for Tuen Mun and are consultants for the planning, design and construction of the Light Rail Transit system which serves the area. Phase 1 of the LRT has been completed and work has already begun on the development of further extensions ■



Tuen Mun New Town c 1982. Tuen Mun Road on extreme right. JPMc

