

Project Title : WIDENING OF PIE FROM KJE TO JALAN AHMAD IBRAHIM

Owner : Land Transport Authority

Engineer : Land Transport Authority

Main Contractor : Or Kim Peow Contractors (Pte) Ltd

Contract Sum : S\$ 1,025,460.00

Period : Sep 2004 to Apr 2005

**Scope of Works : 57 nos of 900mm diameter contiguous bored piles
37 nos of 700mm diameter bored piles for Piers
9 nos of 800mm diameter bored piles for Abutments**

**Contiguous bored pile length about 18m
Bored pile length generally between 20 & 30m, to be socketed into siltstone,
mudstone & sandstone**

Pile load tests : Compression test by tension reaction piles, lateral load test & PDA

Sub soil condition	: 0 to 5/10m	firm clayey silt
	5/10 to 15/20m	firm to hard clayey silt
	15/20 to 20/30m	hard clayey silt
	>20/30m	siltstone / mudstone / sandstone

Stabilization fluid : BP – polymer, CBP – nil (dry)

Major equipment deployed :

- Boring Rig Soilmec R618
- 50 ton crawler crane
- Rotary drive adaptor
- Excavator
- Polymer plant

Tools :

- Auger, bucket, core barrel & chisel
- Casing length 9m



Contiguous bored pile installation



Foundation bored pile installation



Pile load test by tension reaction piles