

**Project Title : PROPOSED RECONSTRUCTION OF VEHICULAR BRIDGE AT AT ECP ACROSS SIGLAP CANAL NEAR 9KM**

**Owner : Land Transport Authority**

**Engineer : Fong Consults**

**Main Contractor : Crec Construction Corporation (Spore Branch) /  
First Civil Engineering Pte Ltd**

**Contract Sum : S\$ 857,160.00**

**Period : Jul 2005 to Oct 2006**

**Scope of Works : 66 nos of 1200mm diameter bored piles for bridge foundation**

**Pile lengths between 20 & 25m**

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

<b>Sub soil condition</b>	<b>: 0 to 5m</b>	<b>Fill (Silty Sand)</b>
	<b>5 to 7/9m</b>	<b>Loose Peaty Clayey Sand</b>
	<b>7/9 to 8/10m</b>	<b>Soft Marine Clay</b>
	<b>8/10 to 12/14m</b>	<b>Loose to M Dense Clayey Sand</b>
	<b>12/14 to 17/18m</b>	<b>M Stiff to Stiff Sandy Clay</b>
	<b>&gt; 17/18m</b>	<b>Hard Sandy Clay</b>

**Stabilization fluid : nil (dry)**

**Major equipment deployed :**

- Boring Rig Soilmec R618
- Crawler Crane (70 ton)
- Excavator
- ICE 815 Vibro

**Tools :**

- Boring Bucket, Auger & Cleaning Bucket
- Casing lengths bet 15 & 17m



Test pile by tension reaction piles