



General:

East Link - Australia's largest urban infrastructure project

Comprising 45km freeway standard road connecting Melbourne's eastern and south-eastern suburbs between the existing Eastern Freeway at Donvale and the Frankston Freeway on the Mornington Peninsula

Project: East Link - Victoria

Client: Connect East

Principal Contractor: Thies JohnHolland JV

Scope of Works By Avopiling

- Foundation Piles for six bridges for Frankston Region
- 1050mm, 1200m and 1500mm dia. piles installed with aid of polymer mud
- Depth 14m to 25m
- Piling works next to heavy traffic volume and close proximity to existing creek



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Polymeric Slurry Excavation Process

- Bio degradable Polymeric slurry used for hole stability;
- Polymeric slurry mixed and stored in tanks kept under agitation by compressed air
- Performance of slurry was monitored by controlling PH, Viscosity, Density and Sand content



Column Reinforcement installed and cast with bored piles

WORK VOLUME SUMMARY

<u>Section</u>	<u>Pile Dia (mm)</u>	<u>Pile Nos</u>
Bridge 84	1050	27
Bridge 74 & 75	1,200	8
Bridge 77 & 78	1050	48
Bridge 73	1,500	10
TOTAL		93

Advantages of Using Polymer

- Improved rates of excavation
- Improved excavation geometry and stability
- Significantly reduced concrete over pour requirements



Project Information Sheet

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