

Tramway Feeder installation – Power Services Division



Project: 2300m of 400mm² Tramway Feeder Installation
Client: Thiess Infracore
Location: Malvern Rd, Toorak
Compl date: December 2003

The project involved the installation of approximately 2 kilometres of 400mm square copper PVC/PVC insulated feeder cable, supported by a parafil catenary, on existing poles extending capacity of existing trolley route.

Material supply was included in this contract. Electrix investigated and trialled the use of alternative materials commonly used in the distribution industry.

The resultant innovative design was approved and adopted for use on this project.

The two major innovations were:

The development and use of preformed lashing rods, taking place of the manual method of lashing, introducing a labour saving alternative and a uniformity throughout the entire cable length.

The use of suspension clamps for attachment of parafil catenary to poles, again a labour saving, and uniformly rated system throughout the entire length.

Extensive professional traffic management together with replacement and relocation of distribution low voltage equipment was required as the project progressed.

The contract was completed over a period of ten weeks achieving zero incidents and full conformance to Occupational Health and Safety and work procedures and without interrupting any tram movements.



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