

WMTS to JA ZSS - 66kV Underground Cable

Melbourne - Victoria



Trenching works

Client:

CitiPower Limited

Location:

Melbourne CBD

Value:

\$7,500,000

Completion:

October 2005

Referee:

Stan Mangalson

“Major Infrastructure Project in the CBD of Melbourne – Completed on Time without Incident”

3,100 Metres of 66kV Cable and Augmentation Works

This highly sensitive project involved the design, procurement & installation of a new 3.1km 66kV underground cable system from West Melbourne Terminal Station to Zone Substation JA.

The route consisted of a bore under Moonee Ponds Creek and major civil works along Arden St, Dryburgh St & Spencer St in the Melbourne CBD.

The 66kV cable installed was 1,600mm Al & 1,600mm Cu xlp lead sheathed and was installed in a pit & conduit system. Also installed was a 144 fibre & 48 Fibre optic fibre cables for the protection & control & communication systems

Augmentation works also carried out involved the installation of a new 66kV

dead tank CB with the associated primary & secondary works at JA substation.

The cable route involved major works in the busy central business district of Melbourne. Powercor and its subcontractor Daly's Construction carefully planned all aspects of the civil works and cable installation in order to minimize the impact to traffic and pedestrians along the route.

Time spent on reinstatement works was also minimized with the use on innovative techniques developed by Daly's.



Loading the cable on to the cable stands