



UCS
INFRASTRUCTURE

safe. on time. first time.

UCS AND BMD CONSTRUCTIONS CASE STUDY

Thompsons Road Asset Relocation



UCS AND BMD PARTNERSHIP

Project:

Undergrounding electricity assets and removal of power poles and lines at Thompsons Road in Melbourne's south east.

The Thompsons Road Upgrade is a Victorian Government project to remove the level crossing near Merinda Park Station in metropolitan Melbourne, and duplicate a section of road.

The \$207M project:

- Duplicated a 10.7km stretch of Thompsons Road between Dandenong-Frankston Road and Berwick-Cranbourne Road
- Removed the level crossing near Merinda Park Station by constructing two bridges over the Cranbourne rail line
- Added additional lanes in between Dandenong-Frankston Road and Marriott Boulevard, and between Narre Warren-Cranbourne Road and Berwick-Cranbourne Road
- Replaced the roundabouts at Western Port Highway and McCormicks Road with traffic lights.

Value:

Contract value approx. \$450,000

Client:

UCS Infrastructure was engaged by BMD Constructions. BMD Constructions is a national group of companies engaged in engineering design, construction and land development for clients and partners in the urban development, transport infrastructure, resources and energy sectors.

Requirement:

BMD Constructions requested existing overhead powerlines to be removed and electricity cabling installed underground at Thompsons Road. The works were required to meet a tight timeframe, and fit in with existing project deadlines.

UCS engagement:

The project was tendered out to the market via Powerplant Services where UCS submitted a quote and won the project.

UCS services:

The UCS Infrastructure team provided accredited VEDN electrical network construction.

Project scope:

- Excavation and installation of 500m of electrical conduits
- Installation of a switching cabinet
- Installation of 2 x LV pillars
- Installation of ~500m of HV and ~200m of LV cables
- Removal of overhead poles and conductors



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Challenges:

During the project, the UCS Infrastructure team encountered assets that were not found on 'Dial Before You Dig' during the project planning. The UCS team then undertook asset locations of the entire route before commencement to ensure that no other existing assets would be affected by the undergrounding works .

Traffic and pedestrian management were known issues that needed careful planning prior to commencement to ensure that works were carried out safely, with minimal impact on local traffic movements. Traffic management plans were documented and communicated to project staff.

Project outcome:

The project was delivered on budget and on time. All stakeholders were pleased with the outcome as UCS went above and beyond to provide a quality service and meet the required deadline.

UCS followed the safe work method statements and completed the job professionally and safely. Pedestrian and traffic management was well planned and carried out.

Customer benefit:

For Melburnians, the widening of Thompsons Road and removal of the level crossing will allow commuters and freight transporters to move more freely.



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