

CAPE LAMBERT LIGHTING UPGRADE-PHASE 2 PROJECT

Date: 2018/19

Client: Rio Tinto

Location: \$1.45m

Location: Cape Lambert

SCOPE DESCRIPTION

KBSS were engaged to undertake this project comprising of supply, installation and commissioning of Sixteen (16) new 18 meter lighting poles with four (4) x Dialight FLEB66MN2NG dual LED fixtures (385W) 2. Upgrade existing light poles with four (4) x Dialight FLEB66MN2NG dual LED fixtures (385W) and recertify a. One (1) x 18m existing break-back type lighting pole b. One (1) x 30m existing, hydraulically lowered lighting pole work. KBSS provided full engineering deliverables, including quality verifications, certifications, labelling, documentation and drawings required for successful completion of the described works.

Scope of Works

- Site inspection and survey of existing services - Laying of conduit/cables
- Pulling cable through existing conduit
- Trenching, followed by conduit and cable laying, backfilling and compaction.
- Directional drilling followed by back pulling conduit and cable.
- Excavation and vertical drilling of new light pole footings Installation of reinforcement and concrete to footings Delivery of new light poles to site - Pre-assembly and installation of poles at each location.
- Fitment of New LED lights to all new poles and existing poles.

Project Specifics:

- 8-month Project using local labour only.
- Works was complete in rail corridors without any rail hold ups or incidents.
- Large crane lifts over rail and structure for installation of lights.
- Technical horizontal boring, trenching and drilling in heavy rail and road areas.

Engaged Recourses:

- Fully supplied all materials
- Craneage
- Complex electrical wiring and DB configuration to old and outdated Rio assets.
- Electrical Isolation
- Rail isolation
- Provide/coordinate rail possession and obstructions.

RioTinto

