



REHABILITATION OF LARGE CULVERTS

BUNDABERG, QLD

MAINTENANCE - CULVERT REHABILITATION

PROJECT

Bundaberg Regional Council Rehabilitation of Large Culverts

CLIENT

Bundaberg Regional Council
David Higgins 0409 057 886

DURATEC CONTACT

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DESCRIPTION

Duratec was engaged by Bundaberg Regional Council to re-line five large circular culverts and two arched culverts as part of the Council's rehabilitation program.

Duratec selected an innovative new coating system for the project - a high-performance cementitious mortar which is centrifugally cast in place.

Designed for the trenchless renewal of underground pipes without disturbing the pipe, the coating system involves no digging or disruption of traffic and is ideal for large volume applications.

The system comprises a spinning head, which centrifugally applies the fibre reinforced coating to the existing substrate of the culvert.

The scope also included conventional shotcrete spraying of the arched culverts with steel reinforcing.

HIGHLIGHTS

- ▶ An innovative new coating system that was centrifugally cast in place was utilised.
- ▶ Duratec successfully completed this project on time and within budget.
- ▶ Duratec has significantly prolonged the life span of the culverts, protecting them from corrosion and delamination and increasing structural integrity.



IMAGES (FROM TOP TO BOTTOM)

- ▶ Existing culvert prior to re-lining.
- ▶ Preparation of culvert with water blaster spinning head.
- ▶ Final coating of re-lined culvert.