



CIVIL CONTRACTORS FEDERATION  
**EARTH AWARDS**

MIDLAND HIGHWAY

# Perth Link Roads

Date: 2019 to 2020

Principal: Dept of State Growth

Project Value: \$75M

## TASK

The Midland Highway Perth Links Project was the design and construction of approximately 5km of new dual lane highway as a high speed interchange between Launceston, Hobart and Devonport. The main focus was generating a safe and 3 star rating for the road incorporating removing traffic through Perth and installing median barriers. The works were completed in a joint venture arrangement with VEC Civil Engineering for the Department of State Growth. Key Statistics for the project:

- Earthworks 900,000 m<sup>3</sup>
- Pavement 230,000 tonnes
- Sealing & asphalt 200,000 m<sup>2</sup>
- Guardrail and wire rope 16,000m
- Bridge structures 6 No.
- Stock underpasses 2 No.
- Frog Culverts 2 No.
- Infrastructure relocations

The design component incorporated managing a range of stakeholders including the travelling public and landholders.

## CHALLENGES

The works required the management of a number of significant engineering challenges including the interface with other stakeholders. Major challenges included:

- Difficult staging arrangements managing over 25,000 vehicle movements a day at high speed
- Reviewing quarry materials transport to the site - ultimately an on site source of fill material was used removing over 100,000 truck movements from the road network
- Interfacing with TasRail and maintaining access across the site split by the rail line
- Managing difficult environment conditions including the construction of 2 frog culverts and 2 major creek crossings
- Producing the works to accord with stringent rideability requirements

## OUTCOMES

Shaw completed the works almost one year ahead of schedule. Further the design and construct nature of this project has seen real constructability outcomes and therefore savings to the project. Noting the funding profile of the project, the works were delivered in milestone payments – many milestones achieved ahead of scheduled timeframe. The project also received significant and unsolicited praise from landholders, road users and other stakeholders alike.

