

# Mordialloc Freeway Upgrade

## Project detail

### DURATION

Design and offsite activities commenced with an Early Activities deed, allowing immediate start of the works and works are on target for the planned completion date.

Early Activities Deed: March 2019 to August 2019

Works: September 2019 to December 2021

### PROJECT PARTNERS/STAKEHOLDERS

#### Lead agency:

Main Roads Projects Victoria

#### Main contractors:

McConnell Dowell Constructors (Aust) Pty Ltd and Decmil Joint Venture

### CONTRACT VALUE

\$420M AUD

### CONTRACT TYPE

Design and construct

### DESCRIPTION

New connection link between Mornington Peninsula freeway at Springvale Road and Dingley

This includes:

- 9km of new two lane, dual carriageway road
- At least three elevated structures over existing roads and waterways
- Piled roadway over tip section
- Diamond interchange at Springvale RD/Frankston Freeway
- Significant ground improvement works
- Flood relief structures
- Several major signalised intersections

#### Key features of the infrastructure project

The procurement model involved an early activities phase to progress design, approvals and off-site preparations ahead of the formal execution of the contract upon approvals being secured.

## Procurement process

The client was interested in solutions and how they could assist the contractor in driving efficiencies.

The early activities deed was a key document allowing the contractor to de-risk the design elements and focus on driving design efficiency during this period.



## Delivery process

Generally, the early activities process achieved its intent of de-risking design. It provided the contractor time to focus on minimising design growth and driving design efficiencies and allowed these works to be undertaken in parallel with approvals and prior to commencement on site.

The early activities deed also allowed for management plans and associated documentation to be progressed in parallel, further ensuring an efficient and productive commencement of onsite works.

The early activities phase also assisted the client in its approvals process and engagement with key stakeholders.

Learnings were achieved on this project surrounding certain issues that arose that, had there been ability to access the site during the early activities phase, matters could have been raised and resolved earlier. Notwithstanding this, the use of the early activities deed allowed the parties to build relationships during a relatively benign period. This meant when an issue did arise, the parties were prepared to work together to:

- Mitigate the impacts of the issue
- Identify potential opportunities to drive a better overall outcome
- Engage proactively at project level
- Work to ensure issue resolution was generally managed at project level, and
- Provide a risk-based management approach to the issue



## Outcomes and achievements

Design and approvals were completed in tandem. The complete focus on design and input into the approvals process assisted in ensuring the project was set up for success. This is evidenced by works commencing immediately upon execution of the final D&C contract.

Design issues or ambiguity were addressed early, and design opportunities were identified and progressed in a timely manner to allow efficiencies to be gained in elements of the works.

Effective relationships were developed during the early activities phase when there was less pressure, assisting the efficient delivery of the project.

The outcomes were met in respect of the activities allowed under the early activities deed. Additional improved outcomes could have been achieved by allowing further investigation works to be undertaken during this early phase.

The use of an early activities deed to allow early progression of design and interaction with the approvals process allowed the design to be substantially completed with design growth challenged ahead of commencement.

This provided the constructor with certainty in planning the works and being ready to immediately commence work when the full D&C contract came into effect.

