

FIRE RATING SERVICES

WestConnex M8 Tunnel

SECTOR:

Infrastructure

PROJECT COMPLETION:

March 2020

ADDRESS:

WestConnex M8 between St Peters and Kingsgrove

CLIENT:

ACES (Air Conditioning Engineering Services)

VALUE:

\$900,000

PROJECT OVERVIEW:

Our client, ACES, installed the mechanical services throughout the new WestConnex M8 tunnel. This included an extensive smoke management system that would have to safely operate in the event of a fire in the tunnel.

SERVICES OFFERED:

Bowers provided fire rating to the smoke exhaust systems installed throughout the WestConnex M8. This involved installing fire spray to the smoke exhaust crown ducts and cladding to the ductwork. All the fire sprayed ductwork was then treated with a topcoat to make it moisture resistant and then painted.

PROJECT CHALLENGES:

The nature of the tunnel project meant Bowers had very specific requirements and obligations to adhere to. This was a very large project with thousands of contractors working together. Bowers had to carefully plan and co-ordinate all works to ensure our operations flowed smoothly.

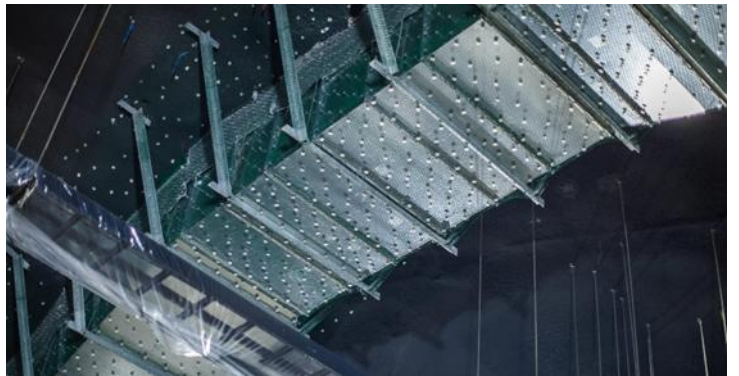
SOLUTIONS OFFERED:

The fire protection offered by Bowers had to withstand a petrochemical fire load that would typically occur with a vehicle fire. This requires a greater level of fire protection than that for a typical building. Bowers supplied many highly skilled fire spray applicators to ensure the project met its required timelines. Being one of the largest fire spray contractors in Sydney, we were able to manage this process successfully.

OVERALL OUTCOME:

The project was completed on time and on budget. All parties were very pleased with the outcome and most importantly, the WestConnex M8 meets the fire protection requirements for a road tunnel that includes higher performance materials to ensure safety in the event of a petrochemical fire.





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