



Project: APAM Remediation of Stormwater Infrastructure

Outline the scope of the project: Refer attached methodology (method of works plan)

Main Contractor: Eifers Civil - all works completed by Eifers

The pits that were worked on were all very different, requiring unique solutions. HESC was used in some applications and our FastPatch polymer repair solutions used to chase the cracks that had spread out from the corners of the pits.

One of the pits was treated very differently due to its location on the side of the service area. This high traffic area needed to be repaired but its proximity to the drainage pit made the use of HESC impossible. So, instead of using a concrete solution the Eifers team designed recessed steel panels that incorporated drainage along with some FastPatch repairs. The client was happy with this solution as an alternative to a specialist concrete solution and illustrates that Eifers are out of the box thinkers who can create innovative and reliable solutions. This temporary solution will stand up to the rigours of the Airport Service area until such a time comes as to replace the complete slab section.



SCOPE OF WORKS

Repair of storm water and sewer pits air-side and land-side. Remediation of adjacent and surrounding areas if disturbed by repair works.

Undertake design of unique stable repair and remediation for each pit individually.

- 7 pits near Apron and Air side road
- 24 pits on Airport Drive
- 1 Pit in Terminal 4 Bus Lane

Replace pit lids and / or demolish pit walls, install replacement reinforcement, re-cast concrete pit walls to original intended alignment and shape.

The Eifers team are fantastic to deal with and given their smaller nature, are able to act and react quickly to resolve any possible risks or issues.”
- Ralph Senn

CLIENT FEEDBACK: Ralph Senn, Program Manager | Infrastructure - (Melbourne Airport)

We asked Ralph Senn, the Program Manager for Melbourne Airport's Infrastructure department how he thought the project went and overall what his opinion was on the deliverables.

He said that " The Eifers team are fantastic to deal with and given their smaller nature, are able to act and react quickly to resolve any possible risks or issues."

When asked about any problems that arose he mentioned that the PM changed part way through the project from a smaller engineer to a APAM Panel member engineer for the second stage of works, making the documentation approval and delivery process a lot smoother.

Ralph expressed how happy he and his team were with the finished product and that the end product was a fit-for-purpose interim measure that achieved all the required deliverables to

keep the APAM Apron and surrounds operating safely.

Ralph and his team would happily recommend Eifers to carry out these types of projects and are looking forward to working with Eifers again on future projects that require specialist concrete technology skills.

Pit 2 airside included the replacement of the surrounding 4.5m x 6.8m x 550mm deep apron slab constructed with 35m3 rapid-set concrete and completed during nightworks.

This would not be possible using normal concrete requiring 7 days minimum curing, 24 hour traffic management and airside road traffic diversion at high risk, disruption and associated costs. So using the HESC solutions from Eifers makes this project achievable in a time critical manner enabling continued uninterrupted use of the space.

