

Ipswich Motorway

Dinmore to Goodna, QLD

The largest abandoned mine infilling project performed at the time in the southern hemisphere with >140,000m³ of infill placed.



The project

An upgrade to one of Australia's busiest urban motorways required extending lanes over areas of previously mined unstable workings. The extent of the working was unknown on commencement of the fast track project. Keller was engaged as a project partner to deliver a turnkey solution to address the potential of future collapse.

The challenge

Many significant challenges were faced during the course of the 2 year program, ranging from mine exploratory and mapping on commencement to establish the scope, to sourcing of low cost fill, through to management and recycling of displaced contaminated groundwater and methane gas all while working next to a live motorway.

The solution

With project uncertainties and significant risks, Keller was engaged as part of the project delivery team on an open, cost incentivized basis. This allowed the works to proceed rapidly on a best for total project basis. The works delivery team drew on the best people available from all the delivery partners, covering design, material handling, traffic management, groundwater management, together with the local and international expertise of Keller in drilling and grouting.

Project facts

Owner(s)

Abigroup Seymour White Fulton Hogan SMEC PB Alliance

Keller business unit(s)

Keller Australia

Main contractor(s)

Queensland Main Roads

Solutions

Mine stabilisation / void filling

Markets

Infrastructure

Techniques

Mine infill or cavity grouting