

DECOTEK

STRUCTURAL MODIFICATION



Safety Comes First with DecoTEC

Client: Boulderstone
Location: Frys Creek, NSW
Project: Bridge Demolition

DecoTEC prides itself on completing projects within program whilst maintaining an uncompromised level of safety.

We always place high value on pre-work planning that formulates into safe and environmentally friendly methodologies. The Fry's Creek Bridge demolition at Bulahdelah in NSW was no exception.

DecoTEC provided Boulderstone with a detailed concept containing 3D CAD illustrations and a step-by-step procedural plan which showed effective control of all safety and environmental potential hazards.

When demolishing a bridge using hammering techniques concrete debris is created which can negatively impact the environment, especially if it enters a waterway. When the waterway is located directly beneath the works it is

extremely difficult to contain the debris during the hammering. In response to this, DecoTEC installed a temporary access way directly beneath the bridge to capture all concrete rubble before it entered the waterway.

The river bank was lined with geofabric 2m beyond the perimeter, then filled with gabion rock. A 600mm pipe was installed to divert the water course.

DecoTEC established several other control measures to eliminate any negative impact on the waterway, such as the construction of a temporary access way across the stream for personnel and plant. With the public traffic flowing across the new bridge, directly adjacent to the old one, there was a high risk of debris flying into oncoming traffic during the hammering process.

DecoTEC therefore created a protection screen and installed it on the new bridge. This screen ensured all traffic

was adequately protected from flying debris which allowed us to carry out the works during normal work hours without diverting traffic.

These safety and environmental processes were approved by one of DecoTEC's in-house fully licensed unrestricted demolition supervisors, who are appointed to ensure all works are conducted safely without environmental impact.

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UNRESTRICTED DEMOLITION

ENGINEERED SOLUTIONS

STRUCTURAL MODIFICATION

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