



Project Profile



Super-Cor Arch at BC mine designed for future dismantle

When Teck Fording River Coal Mine, in the extreme southeast corner of British Columbia, needed a heavy haul road river crossing designed to dismantle easily at the end of its service life, AIL's engineering team waded into the challenge.

Minimal environmental impact during dismantling

The development of a procedure to dismantle the entire structure with minimal environmental impact on the Fording River was critical. This ruled out the use of encased concrete reinforcement ribs, as considerably more debris would likely fall into the river as the structure was dismantled.

AIL's Design Engineer devised a Super-Cor Arch system of full-periphery steel ribs to give the structure the strength and tear-down properties that were needed. AIL's established practice of shape monitoring during construction and backfilling were valuable assets throughout the project.

Learn more about our solutions:

Super-Cor Structural Plate Arches install quickly and easily.





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Recycling recycled steel for even greener benefits

In addition to protecting the eco-system of the Fording River, the Super•Cor and MSE headwall components used at Fording River — already made from high-quality recycled steel — may also be recycled after dismantling, providing an extra opportunity for an environmental benefit.

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