



Project Profile



Latin America's largest steel box culvert keeps a low profile in Peru

With the rainy season coming soon, this customer wanted a faster, more economical alternative to a cast-in-place bridge for their remote Puente Ccalaccapcha stream crossing in Peru. It needed to be easy to assemble, have a low profile for grade requirements and have a wide mouth for optimized hydraulics.

Keeping a low profile and going with the flow

They got all of this in their new 15.83 m (51.93') Super•Cor Box Culvert from AIL Mining. Four days of assembly. Four days backfilling. And — despite being the largest of its kind in Latin America — a structure that maintains a low profile and goes with the flow.

Large or small, box culverts are the perfect solutions for long-span, low-rise situations with shallow cover requirements. Ours can be made from Ultra•Cor or Super•Cor Structural Steel Plate or corrosion/abrasion-resistant Dur•A•Span Structural Aluminum Plate.

Project at a glance:

Project Name: Puente Ccalaccapcha

Location: Peru

Product: Super•Cor Box Culvert

Application: Stream Crossing

Dimensions: Span 15.83 m (51.93'),
Rise 3.98 m (13.05'), Length 7.62 m (25')

Installation Time: Four days assembly, four days backfilling



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Project success was truly a group effort

This remote project faced a few challenges and the AIL Mining team collaborated with international partners on the project. One team addressed the softer foundation soils with footing design and soil improvements. Gabion-style headwalls and wingwalls with geogrid soil reinforcement were also supplied by others.

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