

Highlights

Description:

Shop fabrication and field installation of pipeline river crossings

Key Points:

- Designed and built in modules
- Shop fabrication of pipe, supports and walkways
- Included painting, insulation and testing
- Field installation

Benefits:

- Better quality and cost control due to shop fabrication and assembly
- Less field work
- On-schedule delivery

Southern Crossing Pipeline, BC Gas British Columbia, Canada

The Project

BC Gas tendered a project to install a 24-inch natural gas pipeline from the Alberta border to Oliver, BC in the Okanagan Valley. Included in the project were five river crossings that the prime contractor did not wish to tackle.

Ideal Welders took on the responsibility for fabrication and field installation of the gas pipeline at each of these river crossings.

Implementation

Ideal Welders designed modular components and drafted drawings for each of the crossings. In the shop we fabricated the pipe work, pipe supports and walkways, and assembled the components into modules. All components were painted, insulated and tested (NDE and pressure) prior to leaving the shop.

Completion

The 24-inch lines, pre-assembled in modular components, were freighted to the site for installation. Ideal Welders provided the field crews and equipment to hang the modules off the sides of the existing bridges, to do the final fit-up, and to weld them into place.



Field installation of a shop-fabricated pipe bridge

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