



Smith Ford Reusable Temporary Crossing Structure

Pacific Corrugated Pipe Company worked closely with Roseburg Lumber Company to design and fabricate a temporary open-bottom stream crossing structure which is able to support heavily loaded logging truck traffic during timber harvests in the summer months when stream flows are low. To achieve the objective and conform to designated agency specifications, Pacific Corrugated Pipe Company and Roseburg Lumber Company worked with the Oregon Department of Fish & Wildlife to validate a design concept. The half round design was approved as the least intrusive option since the existing stream bed was not disrupted by excavation.

The product furnished was a 72" diameter 5"x 1" half round corrugated steel pipe fabricated from 10 gauge Aluminized Type II steel, and also included wide footing plates for ease of structure installation onto existing bedrock foundations of the creek bank. An interior I-Beam spine and multiple A-Frame braces were installed in the pipe interior to increase structural rigidity and provide additional support for loads.



This half round corrugated steel pipe is a strong and versatile solution which has been designed to be removed and reinstalled on future projects. Lifting eyes are attached to each end of the structure for controlled handling during installation or removal, and reinforced forklift slots are included on the sides for transporting within maintenance yards while not in service.

Based upon the special merits of this project, the National Corrugated Steel Pipe Association has awarded the Smith Ford Reusable Temporary Crossing Structure as their “Project of the Year” for 2015 in the category of Corrugated Steel Pipe and Pipe Arch applications. This prestigious award was voted on by a panel of independent judges.



Pacific Corrugated Pipe has been providing innovative drainage solutions for over 80 years. We offer a full line of corrugated metal products at our 6 facilities located throughout the West. Typical applications include storm sewers, culvert crossings, bridge replacement, special hydraulic conveyance, detention / storm

water management, and caisson foundations. Our clients are the leading contractors, engineers and developers that work on private, municipal and state construction projects. We are committed to precision manufacturing, timely delivery, a knowledgeable team of fabricators, and project support. Our solutions utilize the most effective materials for each application, and are designed with durability and value in mind.



Pacific Corrugated Pipe accepting the 2015 Project of the Year Award.



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