The scenic unincorporated community of Stehekin, Wash., in Chelan County is nestled just south of the North Cascades National Park. Inland, remote and landlocked, it is reachable only by ferry boat, floatplane or hiking, and has become a favorite destination for adventurous campers, fishers and hunters.

When the timber Purple Creek Bridge became unsuitable for light vehicles and pedestrians to traverse, the National Park Service (NPS) put out a competitive best value procurement specification of a modular steel bridge. Due to the limits of local equipment, the HS-20 specified bridge could be no heavier than 10,000 lb per piece. Acrow Bridge was able to design a custom solution and go above the requirements of weathering steel, providing a galvanized 30-ft x 12-ft roadway-width bridge system. The NPS installed the bridge with its own crews and formed abutments on top of the existing gabion baskets.

Unique to this bridge was that Acrow and AZZ partnered to provide an innovative anti-skid spray metalized surface. SalTrax TH-604 has an extremely high frictional coefficient of 1.1, and Purple Creek Bridge is one of the first applications of this technology on a bridge superstructure. The combinations of high skid resistance, low profile and light weight make this an ideal fit for the pedestrians and light utility vehicles that use the bridge.
AZZ Galvanizing now offers GalvXtrea in rustic brown.

It’s not paint. It’s permanent.

We’ve paired GalvXtrea with Natina Steel to create the ultimate galvanizing finish. The color is permanent and looks fantastic under all kinds of exposure. For a mutual feeling galvanized sheet/bond/bond bond environment, choose GalvXtrea with Natina Steel.

Visit azzgalvanizing.com or call us at 855-931-1094 to learn more.

AZZ
We Protect More Than Steel.
americansteel.com

PURPLE CREEK BRIDGE REVITALIZED WITH GALVANIZING

The scenic 1970s-era concrete arch bridge that spans Purple Creek in Columbus, Ohio, was in need of a refresh. The original galvanized coating was peeling and rusting, so the city decided to replace it with a new coating system that would provide a lasting solution.

Acme Coatings of Columbus, Ohio, was chosen for the project. They used a combination of Coating Brite and Coating Brite Pro, a high-performance zinc-rich primer and a high-quality zinc-rich enamel, respectively.

The project took place over a period of three days, with the bridge being closed to traffic for safety reasons. The coatings were applied using spray technology, and the process was monitored by quality assurance personnel to ensure a high-quality finish.

The bridge was reopened to traffic on schedule, and the client was pleased with the results. The new coating system not only provided a durable solution for the bridge but also enhanced its aesthetic appeal.

WEB BRIDGES
Your guide to America's bridges

AZZ Innovations 2018
Metal Coatings

GAVARtRIN AT A GLANCE

Continue to stay corrosion-free...