WASSER®

BRIDGES & HIGHWAYS

CASE HISTORY

HOOD CANAL BRIDGE

JEFFERSON COUNTY WASHINGTON

PROJECT DATE
/

SUBSTRATE
STEEL

COMPANY
Washington State Department of Transportation

PROJECT NAME
Bridge Rehabilitation

CONTRACTORS
Purcell Blasting & Coating

SYSTEMS

Bridge System

Primer
MC-Zinc 3.0 - 5.0 Mils DFT

Intermediate
MC-Ferrox B 3.0 - 5.0 Mils DFT

Topcoat
MC-Luster 2.0 - 4.0 Mils DFT

THE CHALLENGE

The Hood Canal Bridge presented a unique maintenance challenge due to its floating concrete pontoon design and constant exposure to a harsh marine environment. Components of the structure, including steel elements and mechanical systems, are subjected to saltwater, moisture, and continuous movement, accelerating corrosion and wear. The project required a coating system capable of providing long-term protection while being applied efficiently within ongoing maintenance operations.

WHY WASSER

Wasser Technologies was selected for its proven performance in marine and high-moisture environments, where durability and corrosion resistance are critical. Wasser’s moisture-cured urethane systems offer excellent adhesion and the ability to cure in less-than-ideal conditions, making them well-suited for maintenance work on active infrastructure. Their reliability in protecting steel components in aggressive environments made them an ideal choice for this application.

OUR SOLUTION

Wasser provided advanced coating systems designed to protect critical bridge components from corrosion and environmental degradation. The coatings were applied as part of ongoing maintenance efforts, delivering a durable, long-lasting barrier against moisture and salt exposure. The result is enhanced protection of key structural and mechanical elements, supporting the continued performance and longevity of this vital transportation link.