

The 2024 HUB Build Northwest Awards Entry Form - Contractors



PROJECT TYPE

CHECK ONE (See *Project Category* section in Entry Packet for detailed descriptions of each project type.)

- | | | |
|--|--|---|
| <input type="checkbox"/> Building (under \$10 million) | <input type="checkbox"/> Heavy & Utilities | <input type="checkbox"/> Small Projects |
| <input type="checkbox"/> Building (\$10 million and over) | <input type="checkbox"/> Sub-Contractor | <input type="checkbox"/> Special Projects |
| <input checked="" type="checkbox"/> Highway & Transportation | <input type="checkbox"/> Out of Area | |

CHECK ONE

- New Construction Renovation

CONTRACTOR INFORMATION

Must be an Inland Northwest AGC member in good standing

Company Name (list all if a joint venture): Versatile Industries, Inc.

Entry Submitted By: Merle Kalstrom Title: Project Manager

Email: mak@viidirt.com

PROJECT TEAM INFORMATION

Owner: Seattle City Light

General Contractor: Versatile Industries, Inc.

Lead Architect: _____ Lead Engineer: TD&H Engineering

Major Sub-Contractors: Interstate Paving and Concrete, Bacon Concrete

PROJECT INFORMATION

Project Name: Metaline Falls Portage Park Design Build

Location: Metaline Falls, Washington

Contract Amount: \$2.768 M

Date Project Started: 11/15/2022

Completion Date: 10/25/2024

What was the percentage of volume of work on this project performed with your own field personnel? 90 %

Were there any fatalities on this project? Yes No

Attach additional sheets if necessary

Send this form and your completed entry package to:

Inland Northwest AGC
Build Northwest Awards
4935 E. Trent Ave.
Spokane, WA 99212

All entries must be received no later than 4:00 pm on November 1, 2024 at the AGC office. There will be no exceptions or extensions.



Build Northwest Award Submission Metaline Falls Portage Park Design-Build



Why this project should receive a Build the Northwest Award

The Metaline Falls Portage Park Design-Build project is a standout candidate for a Build the Northwest Award due to its unique blend of historical preservation and modern design, developed over a period of more than two years by a collaborative effort among the owner, design team, and contractor. This multi-disciplinary teamwork was essential in navigating the complexities of turning a historical site into a vibrant park that serves the community, demonstrating a commitment to both heritage and progress.

The site itself is rich in historical significance, having once housed a mothballed industrial power plant that was operational from 1937 until the mid-1950s, providing power to the Pend Oreille Mine. This historical dimension adds layers of complexity and richness to the project. The challenge lay not just in recognizing the aesthetic aspects of the park but also in thoughtfully integrating and preserving these historical features. The design team had to thoughtfully incorporate and highlight remnants of the past while ensuring that modern park features met current standards for safety and accessibility. This balancing act requires a deep respect for the site's history as well as a vision for its future. Throughout the development process, the team faced significant challenges, particularly in dealing with the legacy of the industrial site. The discovery of mine waste and tailings posed serious environmental concerns. Mine waste is not only hazardous but can deeply affect the safety of workers and future park users. In response, the project team undertook extensive remediation efforts to address contamination while simultaneously ensuring that construction activities did not disturb hazardous materials. This required innovative engineering solutions and careful planning, showcasing the team's ability to adapt and problem-solve in real-time while upholding their commitment to worker safety and environmental stewardship.

Additionally, the historical context extends beyond the industrial era. The area around North Pend Oreille County was also a site of habitation for Native American communities, who relied on the Pend Oreille River for sustenance and cultural practices. During excavation, artifacts from this era were discovered near the confluence of Sullivan Creek and the Pend Oreille River, highlighting the rich tapestry of history that the site embodies. The discovery of these artifacts necessitated a brief pause in construction, allowing an archaeologist to examine the area thoroughly, thus ensuring that any significant cultural relics were carefully documented and preserved. This respect for Indigenous history not only honors the legacy of Native American communities but also enhances the park's narrative, allowing visitors to appreciate the multifaceted history of the location.

Overall, the Metaline Falls Portage Park project exemplifies a harmonious integration of historical preservation, environmental responsibility, and community engagement. By transforming a previously neglected industrial site into a flagship park, the project not only provides a recreational space for current and future generations but also serves as a testament to the power of thoughtful design in honoring and enlivening a community's diverse past. With its unique challenges met through innovation and respect for history, this project stands as a model for future developments seeking to merge history with modernity.



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Difficulty in construction resulting from design, location, materials, etc.

The Metaline Falls Portage Park Project faced significant challenges, notably the unexpected discovery of mine waste rock and tailings. To create adequate space for the project, the team had to undertake blasting, addressing both safety and logistical concerns. The site also featured a historic building and critical elements like Native American artifacts, highlighting the need for careful planning. During the work, a rare lichen was identified in two locations, prompting necessary design and scheduling adjustments to protect this valuable find.

For the project to meet community needs, it became clear that a kayak takeout location below the ordinary high water mark was critical. Through multiple design iterations, a seamless solution was reached, and the complex process of securing permits was initiated. Ultimately, these collective efforts not only overcame the obstacles but also led to a successful and impactful project that enhances recreational opportunities for everyone.

Unusual construction techniques involved

Typically, when construction on a project begins, all the necessary permits are obtained, and the site is appropriately prepared to ensure a smooth start to the work. However, this project was categorized as a design-build venture, which introduced several uncertainties as soon as excavation commenced. The permitting phase for such projects can often be a complex and time-consuming undertaking, frequently stretching over several years due to rigorous regulatory requirements and environmental assessments. In this particular case, it was crucial to execute significant portions of the work during a designated winter shutdown period in order to stay on track with the project schedule. The collaboration among the owner, the design team, and the general contractor was instrumental in navigating these challenges. Their coordinated efforts facilitated the successful achievement of project milestones within a condensed timeframe, significantly minimizing any potential negative impacts on the overall schedule.

When considering a day-use park, the installation of fish habitats in a pristine creek might not be the first aspect that comes to mind. However, as part of the comprehensive permitting process for activities occurring below the ordinary high-water mark, an innovative engineered log jam was conceptualized and designed. This initiative not only aimed to enhance fish habitat but also to mitigate any adverse effects that the construction of a kayak ramp could have on the ecological balance of the stream. By thoughtfully integrating these elements, the project ensured that both recreational and environmental priorities were effectively addressed.



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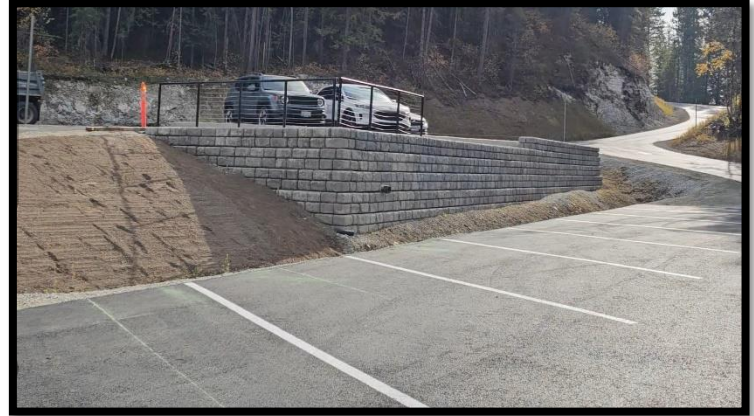
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Final appearance and quality of the finished product



Day Use Parking Area



Retaining Wall in Day Use Parking Area



Kayak takeout on the confluence of Sullivan Creek and the Pend Oreille River

South Overlook-Overlooking the Pend Oreille River with views both up and down the River





Build Northwest Award Submission Metaline Falls Portage Park Design-Build



Timeliness of completion

The project originally had a completion date of October 2023. Due to the discovery of mine waste and tailings the completion date was extended until June of 2024. Once the need for work under the ordinary high water mark was discovered, a fish window of July 1st pushed the project out until after that date. Ultimately the substantial completion date was moved to and attained as October 25th, 2024.

Company's safety performance on this project

Our Safety Plan for this project was three-fold:

Create an environment that protects our Employees
Create an environment that protects the Community
Create an environment that protects Nature

We found that the three work well in protecting each other!

There were no accidents and no lost time throughout the entirety of this project to our employees, our community, or to Nature.



**Build Northwest Award Submission
Metaline Falls Portage Park
Design-Build**



Thank you to Seattle City Light for choosing us to complete your project.

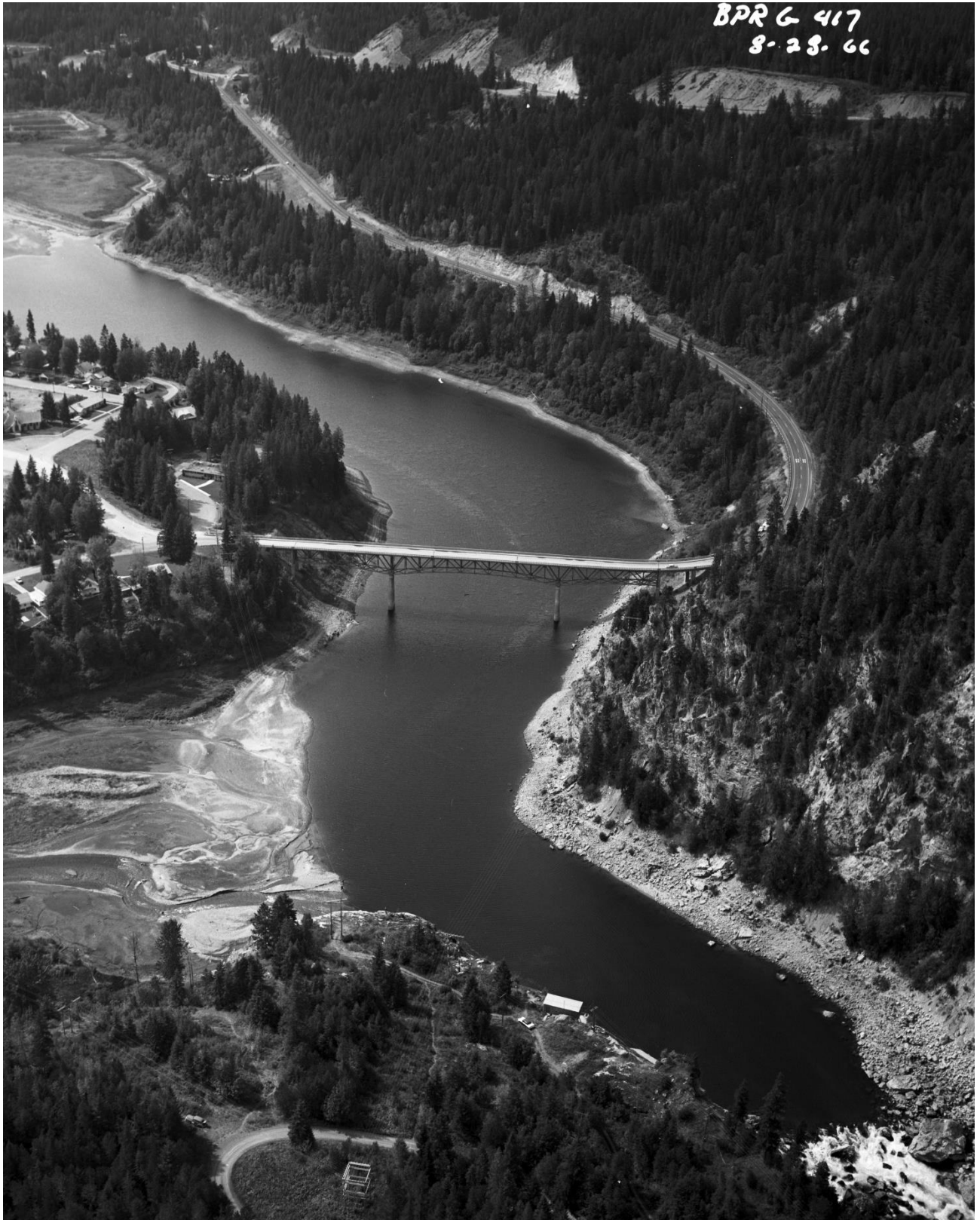
And a special thank you to all of those involved. Your hard work and dedication made this project possible.

- TD&H Engineering
- McCallum Rock Drilling
- Interstate Concrete and Paving
- Selkirk Sealcoat
- Alpine Bark Blowing



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