



View of the Oxbow Dam right bank. The existing spillway will be demolished and extended.



July 28th, 2025, Summer Vol. 61

THE DIRT

OXBOW DAM SPILLWAY REMEDIATION FACES MAJOR CHALLENGES WITH DEMOLITION UNDERWAY

The Oxbow Dam Spillway Remediation project entered a new and exciting phase as demolition work officially began on the existing concrete spillway. Crews mobilized excavators equipped with breakers and are steadily working their way back through the structure.

Substantial progress has been made at the on-site borrow pit; the area has been cleared, and material generation, sorting, and stockpiling for later phases are underway. The batch plant is now fully operational; test batching continues to further refine mix designs and capture field data for mass concrete thermal engineering. Installation of a nitrogen system was recently completed to help manage placement temperatures and prepare

for mass concreting. Subcontractors completed the aerial placement of metal mesh for rock fall protection using a helicopter, a critical step in ensuring safety as demolition continues.

The project team continues to work through challenges related to dewatering. Subsurface flows beneath the work area continue to present safety and constructability issues at the spillway toe. Working together with the Owner, EOR, FERC, and state permitting agencies in Idaho and Oregon, IMCO will be performing a test pile program to evaluate potential subsurface cut-off methods. Pending positive initial results from the test program, a full sheet pile wall is planned for construction starting in August.

HOUSING EXPANSION AND UPGRADES UNDERWAY AT HOLDEN WATER TREATMENT PLANT

In mid-June, crews began preparations to construct additional housing at the Holden Water Treatment Plant site. When the on-site operations and maintenance (O&M) housing facility reaches full capacity, overflow housing is located in three container houses in the town of Lucerne, 10 miles away, near the ferry landing. This project will allow the container houses to be relocated to the treatment plant site, alongside a new nine-bed camp. The additional housing is in preparation for Phase 2 of the plant's development, which will require accommodations for a larger workforce.

In addition to temporary housing construction, the project team will complete multiple upgrades to the main O&M house and the treatment plant. Upgrades include insulating and heat tracing existing utilities, extending potable water service from the house to the plant, and installing four clean-out structures on the influent line to the plant.

During construction the IMCO team will continue 24/7 operation of the water treatment plant.

"Coordination with the O&M team has been key to getting this project started in the right direction, while not inhibiting the daily operations of the plant. Their knowledge of working at Holden is invaluable, and they are more than willing to help this project be successful. I appreciate the Holden team," said Project Manager Jonathan Bergford.

The project is scheduled for completion by the end of September 2025.

ROEDER LIFT STATION MOVING TO COMPLETION

The Roeder lift station improvement project, aimed at improving system capacity, reliability, and environmental performance, continues to make progress, achieving important milestones while navigating complex field conditions.

Crews have completed the gravity sewer installation along Roeder Avenue. Work on the force main piping in the same corridor is expected to wrap-up by early August. Once this phase is complete, road paving activities will begin, restoring the surface and minimizing disruption for the surrounding community.

Despite facing difficult groundwater conditions and the challenges of working around existing underground utilities, the project team has demonstrated remarkable determination and ongoing commitment to safety and efficiency in navigating these obstacles.



As the project moves into the final phase along Roeder Avenue, the focus will shift to construction on BNSF Railway property. This next stage will involve a trenchless crossing beneath the railroad tracks, installation of more than 2,000 lineal feet of welded HDPE pipe of various sizes, slip lining an existing sewer force main, and a final cutover from the existing sewer lift station.

In parallel, mechanical pipe installation and the electrical scope of work at the lift station will continue. The project is expected to be finished and running for the City by early 2026.

HANKINS PUMP STATION PROJECT COMMITTED TO EXCELLENCE

In March, IMCO crews started construction on the \$8 million Hankins Pump Station #2 for the City of Twin Falls, Idaho. Work includes the construction of a new potable water booster pump station with two 50-hp vertical turbine canned pumps, two 150-hp vertical turbine canned pumps, mechanical piping and valves, HVAC and electrical systems, instrumentation and controls, a CMU block building, and rock excavation.



Under Kevin Zorza's leadership, the crew has finished placing 350 cubic yards of concrete for the pump station and is preparing to form and place the concrete lid. The 36-inch pipe is complete, and the pump cans will be set this week. The footings and stem walls for the rest of the building will be completed before the CMU subcontractor starts work. The project is scheduled to be in the dry by the end of September for the electrical scope, process piping, overhead cranes, and building finishes.

The City of Twin Falls and their engineer J-U-B have been exceptional to work with on this design-bid-build project.

CRITICAL BRIDGE REPLACEMENT PROJECT FOR WASHINGTON STATE FERRIES

Construction of the Kingston Ferry Terminal Seismic Retrofit project for Washington State Ferries (WSF) began in June. WSF has prioritized the bridge replacement due to the bridge's susceptibility to failure in a significant seismic event.

Initial project scope includes strengthening the existing concrete bent cap, rerouting electrical power, and installing a temporary bridge to facilitate both the removal and replacement of the permanent bridge.

The construction schedule runs from June 2025 through August 2026, with a total of 300 working days. All critical in-water work must be completed by January 15th, 2026.

PURDAM TRUNK SEWER EXTENSION SUPPORTING GROWTH IN NAMPA

The Purdam Trunk Sewer Extension is a major infrastructure project for the City of Nampa, Idaho. The project includes installation of a deep sewer trunk line, ranging from 15 to 35 feet, and new water and pressurized irrigation lines.

This project is vital to supporting the City's long-term growth and development. The extension will serve new residential and commercial developments in the rapidly expanding SH-16 corridor. It will provide essential sewer and water infrastructure to meet current and future demands, enabling economic growth, improving service reliability, and increasing capacity in the northern part of the Nampa.

IMCO Construction is delivering this project through a joint venture partnership with Knife River, combining resources, expertise, and local experience from both firms. Knife River brings valuable knowledge of the region and experience with roadway and utility construction. IMCO contributes extensive CM/GC and trenchless utility installation experience. The CM/GC delivery method allows early involvement during design, improving constructability, reducing risk, and adding long-term value.

Construction is scheduled to begin in fall 2025, with design and preconstruction already underway. The multi-phase effort is expected to reach completion by 2027.

FINAL PHASE OF UPGRADES UNDERWAY AT NAMPA WASTEWATER PLANT

IMCO's headworks project is the final phase in a series of upgrades at the City of Nampa Wastewater Treatment Plant. This contract will replace the aging headworks facility with a new influent pump station, splitter box structures, an electrical building, odor control system, and a new headworks building. This upgrade is necessary to meet future population growth and treatment demands. It will ensure continued regulatory compliance, protect water quality, and support the City's long-term utility infrastructure needs.

This is a CM/GC project with a comprehensive preconstruction scope. IMCO is providing estimating, value engineering, risk assessments, scheduling, procurement, and collaborative design development with the City and Engineer Keller Associates. A key milestone was the execution of an early work and procurement package, which included the purchase of long-lead equipment and early civil work. Construction under this package began in May 2025.

The early civil package includes a 35-foot-deep excavation and shoring for the influent pump station and splitter box. Full construction activities are beginning this fall, and final completion is anticipated in early 2027.

FINAL PHASES UNDERWAY AT PROJECT RAINIER

IMCO's team in Moses Lake is pushing fast toward completion. The mega food processing client is aiming to start production at the new production plant this summer, which means the industrial wastewater reuse project is expected to accept water.

The mechanical scopes within the dissolved air flotation and screening building, and the primary clarifier building were complete in early July. The ultra filtration and reverse osmosis building is nearing completion. Instrumentation, electrical trim out, membrane installation, and equipment startup are the last major scopes remaining.

KEY MILESTONES REACHED AT LAKE CHAPLAIN TREATMENT FACILITY UPGRADE

Over the past quarter, significant progress has been made across several critical areas of the Lake Chaplain water treatment facility upgrade. Key accomplishments include the completion of the coating scope at the flocculation basins and the ongoing installation of slide gates. The newly constructed chemical building houses the alum and polymer systems. HVAC installation is complete. In the fluoride building, existing tanks and piping have been removed and replaced, and demolition of outdated slide gates is nearly finished. New gates have been installed at the controlled flow distribution structure, east clearwell control structure, and backwash pump station.

The removal of the 54-inch filtered water bypass piping has significantly reduced congestion around the west clearwell. At the screenhouse, excavation and dewatering allowed for successful replacement of key piping and valves and installation of pipe plugs in the 5-line to control flow.

A notable challenge has been the inability to conduct nighttime plant shutdowns due to increased water usage during the warmer months. As a result, some scopes within the flocculation basins have been postponed until demand decreases in early fall. The coating scope was completed on schedule, thanks to accelerated efforts from subcontractors.

Project completion is anticipated in early October.