



FOSS PHOTOS!



50TH

EDITION!

THE DIRT

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## TOLT PIPELINE NO. 1 SEATTLE PUBLIC UTILITIES

The Tolt pipeline project is in its final chapter this month. As a result of unexpected steel pipe delays, the project team has been working six ten-hour days since September. The project involves rehabilitation of over 2,500 feet of pipe using slip-lining methods. The slip-lining and mechanical connections are now complete, and IMCO's crew and subcontractors are installing small sections of steel pipe. Pressure testing occurred in early October, and the last few weeks of work will include two final connections to the existing 66-inch pipe, shoring removal, setting vaults, and site restoration. The project will be complete in November.

"Seattle Public Utilities has been one of the best clients I've worked with. The majority of the work was performed under live power lines. IMCO's team took safety very seriously, taking it into account at every move. I'm very impressed with our team up here." - Russell Isam, Superintendent



*Alberto Ceja Leon*



*Teresa Eddings*



*Slip-lining 54 inch HDPE through existing 66 inch concrete cylinder pipe.*





## FOSS MARITIME & BULKHEAD REPAIRS

In February 2021 the existing bulkhead wall at the Foss Maritime shipyard in Seattle began deflecting into the ship canal. The uplands behind the wall were excavated and large concrete blocks were used to hold the wall back to stabilize it. In order to restore the upland utility, the IMCO project team is excavating for placement of the tie-back system for the existing bulkhead wall, and the subcontractor, DBM, is installing micro-piles to support the new mooring bollards. Additional phases of work include placement of electrical lines and underground installation of the new water and air lines. Final

completion is expected in December.

Foss Maritime is also expanding their stormwater detention system. The main scope of work for this project involves the installation of a new pile supported above grade bolt up steel tank. Following the recent milestone of pouring the tank pad foundation, the majority of the work is complete. IMCO has maintained a positive relationship with the director of shipyard operations at Foss and the engineering partner KPFF.

## EAST KUNA DATA CENTER

IMCO's team began this year-long contract, building a new offsite water and wastewater treatment facility to support a new data center in Kuna, Idaho. This is an exciting project for IMCO's growing team. Finding and hiring new team members to complete this complex project has been a huge effort across the company. At peak schedule, this team will be comprised of 40 IMCO employees and six main subcontractors. Even one IMCO legend (Ricky Knowles) has come out of retirement to join the fun!

**Thank you, to this entire team, we are excited to grow the IMCO family.**

Currently the site is shared with 20 pieces of IMCO heavy equipment, large subcontractor equipment, and recently 66,000 linear feet of pipe was delivered to the site. The team is preparing to order 120 pre-cast structures, some of the structures will be installed 40 feet deep. One challenge the team is facing is the amount of rock and hard sub-surface. The blasting subcontractor will continue with weekly

blasting for the next two months. Maximizing productivity and managing labor hours will be an ongoing challenge and collaborative effort.

Trevor Richner, a new IMCO foreman has stepped up as a leader, completing workplans, and taking on additional responsibilities.



## UPPER FINNEY CREEK BRIDGE

James Janda and his team are hard at work at the Finney Creek Bridge project near Concrete, WA. The \$2.3 million Skagit County project aims to strengthen the 70+ year old bridge structure by bolstering the existing concrete girders, installing four new piers and pier caps, reinforcing the rock foundation below, and overlaying a new bridge deck. IMCO's team installed a suspended work

platform below the roadway in order to access the work zones. Crews are working nearly 100 feet in the air above Finney Creek. Work will wrap up early next year.

## PRIEST RAPIDS RIGHT EMBANKMENT

The Priest Rapids right embankment team is one of the largest IMCO project teams in company history. This \$58 million dollar project is impressive and full of challenges. The project is handling an immense amount of roller compacted concrete (RCC). RCC is a zero slump concrete made from the same constituents as ordinary concrete but with low cement content. It is batched on-site, deposited from static haul dump trucks, spread with GPS-controlled dozers, and compacted with vibratory rollers and custom-built internal concrete vibrators. The use of RCC is rare in the United States compared to traditional concrete. It is mainly used for massive structures including dams and large horizontal surfaces like roadways.

The civil crews are working on excavating the new alignment and have completed all excavation to

bedrock well ahead of schedule. Civil crews are also working on building the connecting embankment, which is an earthen dam that protects the future secant pile wall that will be constructed in early 2023. The connecting embankment is constructed with specialty materials using tight tolerances. IMCO produced two of the specialty materials on-site with a screen plant.

The carpenter crews are placing concrete decking for the future roadway on top of the dam, placing dental concrete on prepared bedrock foundations, and beginning to erect forms for the next phase of RCC construction. The batch plant crews are working on supplying concrete, preparing both batch plants for the next phase of RCC, and running IMCO trucks to help with import of concrete aggregate materials.

The next phase of the project will include continued preparations and construction of the next 1,400 feet of dam. The team will prepare for mobilization of IMCO's secant pile driller, Malcolm, for which IMCO will supply all ready-mix during both the trial program and product pile construction. This phase will have multiple subcontractors and will run throughout the winter.

**Thank you, to all the crews on this team who are successfully working together to complete this complicated project.**







*The Stibnite team: Shaun Wiles, Thomas Huff, Alex Stiles, Jacob Huff, Taylor Barroso & Logan Hast*

## STIBNITE STREAM DIVERSION WRAP UP

Earlier this month, the IMCO crew performed the remaining chipping and grubbing at the Stibnite site. They began re-watering Hennessy Creek on October 11th, to introduce water back to the creek. The crew began releasing a trickle of water from the top of the creek, the crew cycled this water through sediment bags in order to allow for a clean reintroduction of water. Once the creek ran clear, the crew slowly increased the water flow back to normal levels.

The IMCO team is finished at the Stibnite mine site, and demobilization is complete as of October 21.

This project is located in one of the United States' most historic mining districts, in the beautiful and remote mountains of Valley County, Idaho. To support the permitting process, the client, Perpetua Resources, entered into an agreement with the regulatory agencies to improve water quality from legacy operations. This project is the first contract to perform environmental improvements to the site, in preparation for potential future development. Perpetua hired IMCO to reconstruct two streams with a LLDPE liner and new riprap surfacing. The project has restored the stream to the natural, previous alignment and improved water quality.

This project team worked hard in difficult conditions. The remote nature of the site had great impacts. Though IMCO teams are accustomed to working remotely, this project

site took it to the next level. The route into the site was incredibly difficult, slow terrain, and access was tedious. This took a toll on the team and on the equipment, some of which had to be tracked in 14 miles up the steep, rugged service roadway.

The project had to produce more aggregate than anticipated, which was accomplished without delaying the schedule due to strong teamwork and proactive management. IMCO's subcontractor partner, Premier, had to screen 350% more aggregate than expected.

Perpetua Resources is happy with IMCO's teamwork and quality. Success is attributed to attitude! This team was willing to accept problems and work together to find solutions.

"The teamwork-oriented solutions and great attitudes by the crew have been the biggest aspects of our success," said Project Manager Wiatt Vasey.



**Thank you, to all  
IMCO project teams,  
for doing your part in  
building a proactive  
and transparent  
safety program!**