

GUIDEWAMI DEMOLITION AT BONNEVILLE DAM

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ABSTRACT

Bonneville Dam, completed in 1938, included the smallest and busiest lock on the Columbia and Snake River Navigation System. To expedite barge traffic through this restriction, a new larger lock was designed and contracted by the U.S. Army Corp of Engineers.

The project involved drill and shoot, alluvial gravel and rock excavation, dredging, rock support, structural concrete, and assorted demolitions.

A large portion of the demolition work was the removal of the existing guidewall to allow barge traffic access to the new lock. Guidewall Demolition was completed using drill and shoot techniques and dredging the debris from the channel. This work involved unique challenges and innovative solutions to produce a successful result.