

## LWSC LARGE LOCK CENTER GATE REPLACEMENT

Buyer: US ARMY ENGINEER DISTRICT SEATTLE

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### Description:

The U.S. Army Corps of Engineers (USACE), Northwest Division, Seattle District, requires replacement of the Lake Washington Ship Canal (LWSC) Large Lock Center Gates (LLCG) and incidental related work. The work involved in this project includes, but are not limited to, fabricating, testing, painting, delivering, and installing new miter gate assemblies, removing the existing decommissioned miter gates, disconnecting the existing gates from the operating machinery, reconnection of the operating machinery to the new miter gates, commissioning of the miter gates, and concrete work associated with the miter gate installation. The new miter gate assemblies are primarily a welded structure consisting of 2 leafs, measuring approximately 46 feet wide by 60 feet tall, with each leaf weighing approximately 180,000 pounds without silt/debris. The project will include replacement of the lock chamber appurtenances which affect the miter gate installation, which includes the concrete embedded wall quoin, concrete embedded pintle base, pintle ball/bushing, and anchorage bars. The commissioning of the miter gates will not only include the final installation of the miter gates, but also how the gate interfaces with the embedded wall quoin, miter seals, pintle assemblies, and existing operating machinery and sensors which control gate movement. The project will also include the installation of new concrete embedded connection castings and replacement of the HDPE seal located on the miter gate sill near the bottom of the lock chamber.

The magnitude of construction is estimated to be between \$10,000,000 and \$15,000,000.

The electronic version of the Solicitation can be access via PIEE Solicitation Module (link below)  
Amendment 01 issued on 31 March 2022 - see PIEE Solicitation Module for documents.

### Country:

United States

### Published date:

Apr 01 2022

### Deadline:

Apr 21 2022

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### Link:

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