

DETERMINATION DECISION MEMO

Marquette Lake Dam

Project Number: 960-86 Phase 1

Location: Lebanon County

Est. Construction Duration: 730 Calendar Days

DETERMINATION REGARDING THE USE OF THE REQUEST FOR PROPOSAL (RFP) METHOD OF PROCUREMENT

The scope for this project encompasses the rehabilitation of a dam, approximately 27-ft high and 1180-ft long. The spillway consists of an excavated channel with a 110-ft long concrete weir. The dam impounds a 15.7-acre lake on Indiantown Run at Fort Indiantown Gap in Annville, PA. The Project will, among other things, replace the existing dame spillway and weir system with a new labyrinth weir, improve the embankment, and remove and replace the outlet control structures,

The use of the standard competitive sealed bid process for the rehabilitation of the Marquette Lake Dam is not practical or advantageous to the Commonwealth. The scope of renovating this high hazard dam requires a contractor with dam-specific construction experience with safety and water control since the lake won't be completely drained during construction. Specifically, the project scope:

- Involves a significant by-pass around the dam during construction.
- The project will require contractors with demonstrated experience in constructing very large and complex spillways.
- Requires experience with construction of a complex labyrinth spillway structure. The project will require contractors with demonstrated experience in scheduling and coordination.
- Requires experience with concrete cast-in-place spillways for which the Commonwealth will benefit from evaluating the contractor's experiences.
- Requires experience with watertight joints. As poor workmanship with the installation of watertight joints can lead to multiple long-term issues, it is advantageous to the Commonwealth to evaluate the contractor's experience with installing water tight joints.

The above factors demonstrate unique construction considerations on this project, which requires specific contractor knowledge, skill, and experience to complete the renovations safely and successfully to this high hazard dam. Consequently, it is not practical or advantageous to use the competitive sealed bidding process because the low bid approach does not allow the Commonwealth to consider the specific factors presented herein, along with the cost, in the award process.

Jason S. Snyder
Deputy Secretary for Public Works

3/1/2023
Date