

Your company is looking to upgrade an aging hydroelectric dam that has exceeded its intended service life and deteriorated to a condition that posed substantial risks to public safety, environmental resources, and regional economic interests. Continued degradation of the structure increased the likelihood of failure, creating the potential for the release of millions of cubic yards of contaminated sediment into downstream waterways. Such an event could have resulted in significant impacts to water quality, sensitive ecological habitats, recreational resources, and surrounding communities, while also generating extensive environmental remediation costs. The need to mitigate these risks, preserve critical natural resources, and protect downstream infrastructure presented a complex engineering and environmental challenge requiring a durable, long-term solution.

The Owner's project you are bidding on is a unit-price based contract. However, you are also required to submit the following:

- A Qualifications Package – including the following:
 - Letter of Transmittal
 - Mission Statement and Management Philosophy
 - Organizational Structure
 - Project Organization Chart
 - Safety Management/Safety Record
 - Quality Management
 - Any other Qualifications that set your Company apart

Qualifications Package → Submit **one electronic copy** in pdf format. This document should be in an 8.5" X 11" format with a maximum of 20-pages including the title page but excluding the transmittal letter. This package must be submitted by **5:00 pm on October 19th**, one week prior to the competition dates to the following email address: heavycivilregion4@gmail.com

Final Project Submittal → Submit **one copy by electronic submittal** which shall be in pdf format submitted on **either a flash drive or to the email address above**. Final project submittal shall be submitted by 12:00 a.m. (midnight) on October **26st**.

It is expected that the following items will be addressed as a part of the problem solution information:

- Project Bid
 - Some items to consider:
 - Accurate quantity takeoffs
 - Reasonable crew sizing and production rates
 - Accurate subcontractor/supplier quote analysis
 - Reasonable overhead and profit budgets
 - Estimate organization and backup information for unit prices
 - Bid form completed correctly
- Project Schedule
 - Some items to consider:
 - Address specific time constraints in the specifications
 - Enough detail to provide an evaluation of the accuracy and credibility of the schedule
 - Orderly and logical
 - In agreement with bid estimate and proposed construction methods
 - Identify critical work items and/or milestone dates
- Construction Planning, Equipment and Methods
 - Some Items to consider:
 - Appropriate construction planning and methods
 - Equipment and manpower selection
 - Staffing assumptions, both labor and management
 - Anticipated contingencies or concerns
 - Solutions to potential problems
 - Safety and quality issues
- Oral Presentation
 - Some items to consider:
 - Quality of visual aids, handouts
 - Apparent knowledge
 - Appearance/professionalism of presenters
 - Freedom from distracting mannerisms
 - Quality of voice (projection)
 - Visual contact
 - Confidence and salesmanship
 - Teamwork and coordination; all participate
 - Question and answer responses
 - Should be given in a manner as if you were presenting to your company's management to justify your estimate