



**REQUEST FOR QUALIFICATIONS
DAM REMOVAL FEASIBILITY STUDY
Oyster River Dam at Mill Pond
Durham, New Hampshire**

The Town of Durham, NH is soliciting letters of interest and qualification statements for engineering services for the Dam Removal Feasibility Study – Oyster River Dam at Mill Pond, in Durham, NH. Please submit qualification statements and backup information totaling no more than 15 sheets on or before 3:00 PM on Tuesday May 7, 2019.

This solicitation is for letters of interest and qualifications statements for engineering services and is not based on scope and fee proposals. The following is a draft scope which has been developed by the Town and is likely to be modified. Consultant teams that are short listed will be notified and interviewed after the May 7th submission deadline.

Information related to the dam and pond, including past studies, drawdown photos, key documents etc. have been posted here:

<https://www.ci.durham.nh.us/publicworks/oyster-river-dammill-pond-dam-past-and-current-information>

Please contact Durham Department of Public Works at (603) 868-5578 or email Town Engineer April Talon, P.E. at atalon@ci.durham.nh.us, for more information.

Draft RFQ Outline

Task 1: Existing Data Collection and Review

Task 2: Field Survey and Base Mapping

- 2.1: Field survey of dam structure to include property lines, wetland boundaries, floodplain boundaries and existing easements.
- 2.2: River and Impoundment Survey
- 2.3: Existing Conditions Plan
- 2.4: Deed and Title Search

Task 3: Determine Appropriate Scenarios – Dam repair/reconstruction/removal

Task 4: Sediment Evaluation

- 4.1: Develop a Quality Assurance Project Plan
- 4.2: Sediment Sampling
- 4.3: Sediment Toxicity Bioassay (Add Alt.)
- 4.4: Community Assessment (Add Alt.)
- 4.5: Analyze Sediment Transport
- 4.6: Sediment Management

Task 5: Hydrology and Hydraulics Analysis

- 5.1: Hydrologic Study

- 5.2: Hydraulics Analysis
- 5.3: Scour Analysis
- 5.4: Assess Floodway Impacts
- 5.5: Private Wells

Task 6: Cultural Resources

- 6.1: Historic Resources Assessment
- 6.2: Archeological Phase 1B Study
- 6.3: Historic Resources- Phase II Study
- 6.4: Ensuring Durham's History at that location is honored meaningfully and profoundly

Task 7: Wildlife

- 7.1: Assess impact of dam and feasible options on rare species and species of concern, threatened and endangered species, other wildlife include habitat upstream and downstream of the project.

Task 8: Other Issues of Importance

- 8.1: Fish Passage
- 8.2: Structural Bridge and Infrastructure Impacts
- 8.3: Recreational Usage/Impacts
- 8.4: Invasives plants species remediation and ways to mitigate growth
- 8.5: Oyster River Dam at UNH Water Treatment plant effect on fish passage

Task 9: Water Quality

- 9.1: Evaluate current water quality data and potential water quality data with other feasible options for fish and others.
- 9.2: Evaluate current and potential water quality for recreational use.

Task 10: Dam Alternatives and Impact Analysis

- 10.1: Identify and evaluate alternatives for construction/deconstruction and removal
- 10.2: Other Possible Alternatives
- 10.3: Identify and evaluate possible need for structural stabilization of bridge and/or other infrastructure in scenarios
- 10.4: How would alternatives affect wetlands
- 10.5: Develop cost estimates for feasible scenarios including permitting, engineering design, and construction
- 10.6: Develop timeline for execution of feasible scenarios.

Task 11: Outreach and Coordination

Coordinate with all project partners including Town, NHDES, NH Fish and Game, EPA, NOAA, US Fish and Wildlife, PREP, Oyster River Local Advisory Committee. Minimum of 6 project meetings with partners as needed and minimum 3 Public Informational Meetings at the beginning, middle and end of study.

Task 12: Visual Assessment

- 12.1: Digital Photomontages
- 12.2: Visual Impact Assessments