

# Request for Quote

For

## Bellrock Dam Rock Anchor Installation

In the Township of Central Frontenac



— Quinte —  
**CONSERVATION**  
—

Requested by Quinte Conservation Authority  
August 13<sup>th</sup>, 2024

RFP Contact:

[msmith@quinteconservation.ca](mailto:msmith@quinteconservation.ca)

Closing:

Thursday, Sept 12<sup>th</sup>, 2024 at 2pm

Quinte Conservation  
RR#2  
2061 Old Highway 2  
Belleville, ON  
K8N 4Z2

## **Background & Scope of Work**

Bellrock dam was constructed in 1982 with safety upgrades completed in 2010. The dam is a concrete gravity structure with integral concrete spillway and overflow sections. The dam is in fair condition with some map cracking and erosion at the waterlines.

In 2004, a Dam Safety Review identified a stability issue and thus recommended the installation of rock anchors. In 2022, Hatch completed a concrete condition assessment followed by the rock anchor design. Quinte Conservation is requesting services to supply and install rock anchors per the Hatch report titled "Bellrock Dam Stability Analysis and Anchor Design-Rev 1, dated Dec 12, 2023".

Access to this dam is through a private road and property. The dam may be accessed via an easement as shown on the attached map. Special care must be taken to minimize the laydown area and any disturbance to the local area. Any construction and remediation plans will be reviewed with the property owners. Any damage that occurs because of this project will be repaired to the satisfaction of the property owners as a final sign-off of approval will be required of the property owners.

Equipment access across the river if required is the responsibility of the contractor.

Water levels can be marginally drawn down as required. Contractor to confirm the required water levels to Quinte Conservation such that appropriate notice can be given to the public and the water can be slowly drawn down.

Environmental permits, if required are to be applied for by and paid by the contractor.

The contractor is to provide red-line as-builts showing exact locations and depths following installation.

The proposal submission requirements are listed in the below section.

## **Known Reports or Data**

- 2022 Bellrock Dam Concrete Condition Assessment Rev A, Jan 31, 2023
- 2022 Bellrock Dam Stability Analysis and Anchor Design Rev 1. Dated Dec 12, 2023

## **Meetings and Site Visits**

Upon award, a start-up meeting will be required to confirm the methodology, schedule, etc.

The contractor will be responsible for preparing agendas and recording minutes of all meetings and distributing to QC in a timely fashion.

Provide 1 week notice for any site visits to notify and affected parties.

## **Proposal Submission Requirements**

The proposal shall be submitted no later than Thursday, Sept July 12<sup>th</sup>, 2024 at 2pm .Copies of the proposals shall be sent to Mike Smith at [msmith@quinteconservation.ca](mailto:msmith@quinteconservation.ca).

The proposal shall include:

- Details on the approach and methodology including materials, equipment and dewatering methods (if required).
- Contact person and phone number and people involved in the preparation of the proposal
- Gantt chart schedule showing any critical activities prior to arriving on site and all construction activities
- sub-consultants to be used and their role
- Complete construction methodology. Clearly show any assumptions made or requirements from Quinte Conservation.
- attestation of all addenda reviewed
- state all assumptions used
- project budget and cost breakdown

Proposals shall not exceed 4 pages in length.

Confirm Attendance to <b>Mandatory Site Visit</b>	Tuesday, Aug 27th, 2024 at 930am
<b>Mandatory</b> Site Visit	Wednesday, Aug 28th, 2024 at 930am
Questions regarding the proposal due	Friday, Aug 30th, 2024 at 930am
RfP addenda posted on the Quinte Conservation website	Tuesday, Sept 3rd, 2024
Request for proposal closing	Thursday, Sept 12 <sup>th</sup> , 2024 at 2pm

#### Selection Criteria

QC will select the successful contractor following an assessment of the submitted proposals based on criteria such as meeting the project requirements, project team experience, project schedule and project cost. The proposal with the lowest bid may not necessarily be accepted.

It is anticipated that the successful consultant will be notified at the latest by the end of Sept, 2024. This project is subject to confirmation of funding and Quinte Conservation reserves the right to reject any or all proposals and cancel the project. This RFP is not a tender.

**Appendix A: Photos of Dam**



Figure 1: Looking at downstream side of dam from left bank.



Figure 2: Looking at upstream side of dam from left bank.



Figure 3: Looking at head pond and dam from upstream cattle bridge.

# Appendix B: Location of Dam

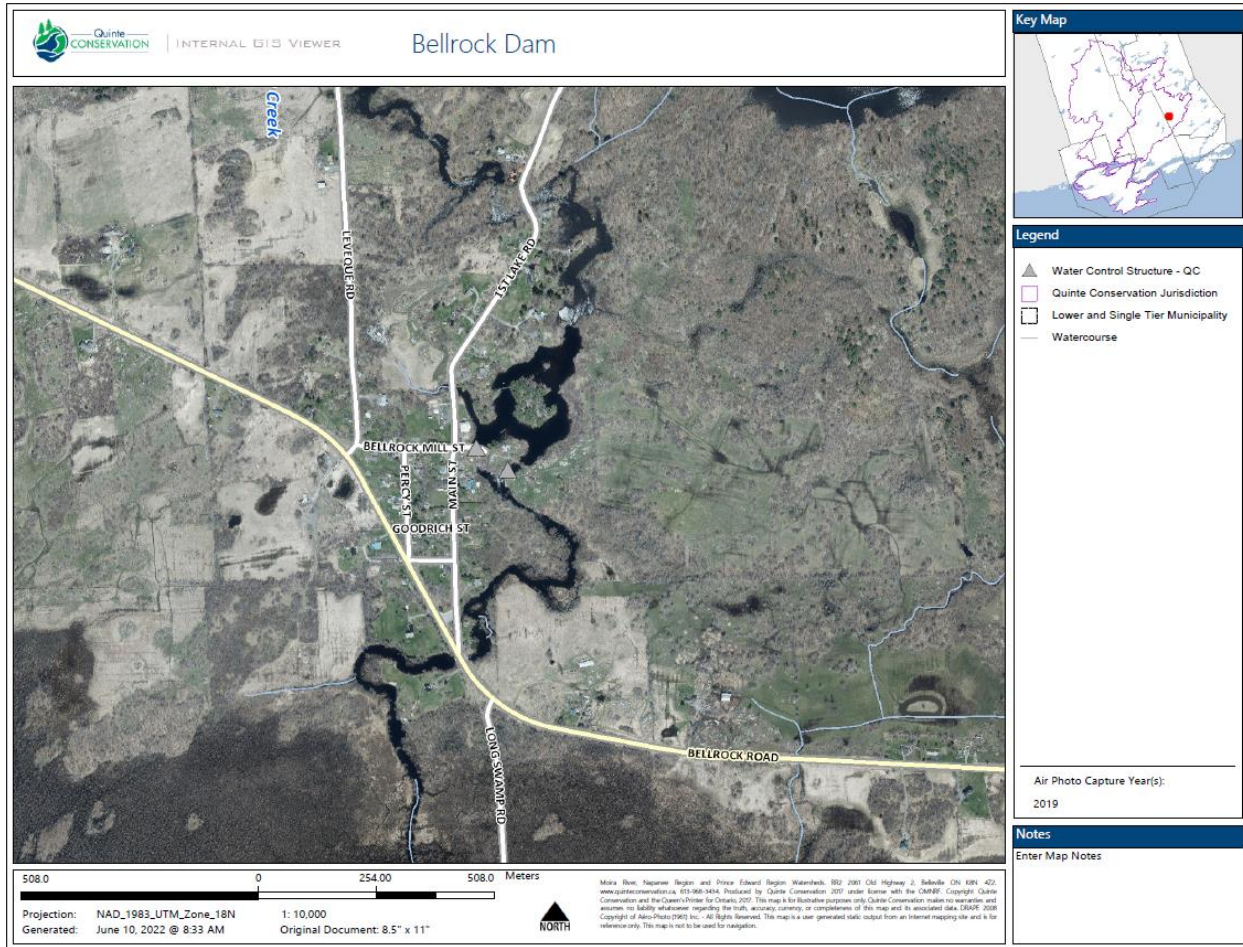
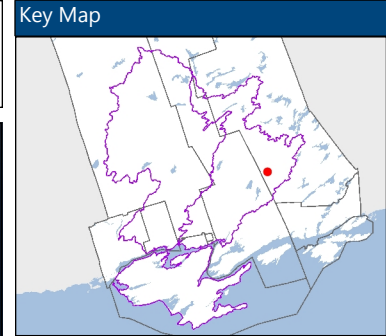






Figure 6: Location of Bellrock Dam

# Bellrock Dam - QC Easement



## Legend

-  Quinte Conservation Property
-  Quinte Conservation Jurisdiction
-  Lower and Single Tier Municipality
-  Watercourse

Air Photo Capture Year(s):  
2019

## Notes

50.8 0 25.40 50.8 Meters

Projection: NAD\_1983\_UTM\_Zone\_18N  
Generated: August 02, 2024 @ 1:42 PM

1: 1,000  
Original Document: 8.5" x 11"



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