

# LAKE LURE TOWN COUNCIL REQUEST FOR BOARD ACTION

Meeting Date: June 8, 2021

**SUBJECT:** Dam Rehabilitation & Replacement Update

## **AGENDA INFORMATION**

**Agenda Location:** New Business  
**Item Number:** B  
**Department:** Hydro  
**Contact:** Shannon Baldwin, Town Manager  
**Presenter:** Shannon Baldwin, Town Manager

**BRIEF SUMMARY:** Dam update provided by Jonathan Pittman:

The FEMA grant for the design of the reservoir drain project at the dam has been approved, and Schnabel Engineering has started design with an anticipated design completion date in November 2021. The installation of a reservoir drain is required to meet North Carolina Dam Safety regulatory requirements and to provide a means to lower the lake for rehabilitation of the sewer system and future dredging cycles. Schnabel Engineering is also working with the Town to obtain additional grant funding from FEMA to prepare a conceptual design for a replacement dam to be located just downstream of the existing dam. Schnabel Engineering is also developing a scope of work for the field investigations required to support the design of the replacement dam.

- a. **1) 2020 FEMA HHPD Grant:** The Town was officially awarded \$120,000 for this project to fund the **design work for the reservoir drain**. This project is underway and if it is completed according to schedule the project will be finished by 11/21.

The total project cost is **\$185,710**. The Town has been awarded **\$121,000**. The Town must contribute 35% (**\$64,998.50**) to support completion of this project.

- b. **2) Second 2020 FEMA HHPD Grant:** Completed a proposal for a **conceptual design of a replacement for the Lake Lure Dam**. The total cost of this project is **\$58,568**. This grant opportunity requires a 35% match. The Town must contribute **\$20,498.80** to support completion of this project, if awarded the remaining 65% (**\$38,070.20**).
- c. **3) FY2021 FEMA HHPD Grant:** The notice of funding for the next year's FEMA grant has just been released. The grant application is due 6/12/21 and I am working closely with Schnabel Engineering to submit this application for the **Field Investigation to support the Dam Reconstruction of the Replacement Dam**. Costs are estimated between \$1.6 - \$2 million. FEMA Grants Awards in NC are expected to be in the \$100,000 – 120,000 range for this opportunity.

1. **4) Transportation and Infrastructure Committee Funding:** Worked with Commissioner DiOrio and the Town Manager to submit an application for funding through Representative Cawthorn's office for the Transportation and Infrastructure Committee, based on the State Transportation Improvement Program (STIP) and Transportation Improvement Program (TIP). Obtained letters of support from Senator Burr's Office, the Isothermal RPO, Rutherford County and the Mayor of Lake Lure.

**Update 5/31/21:** Worked to submit a second questionnaire for this **FY2022 Infrastructure Appropriation Request**. Have responded to numerous inquiries from Madison Cawthorn's Washington DC office and have submitted a follow up letter confirming that the Town will be able to provide the 20% matching funds for the \$8 million project to support the **design phase of the dam replacements**. **The \$1.6 million will come from the Lake Lure Dam Reserve Funds if awarded.**