

*Town of Hunter*  
*P.O. Box 70*  
*Tannersville, NY 12485*

Request for Proposal  
Engineering Services for a pedestrian bridge for the Hunter Branch Rail Trail  
Tax Parcel # 180.00-2-64, Clove Road, Town of Hunter, Greene County

The Town of Hunter in conjunction with the Hunter Area Trail Coalition (HATC), a partnership of local, county and state government and not-for-profit organizations, is enhancing trail-based recreation throughout the Town. The vision is to create a cohesive trail network nearly 10 miles long through public and private lands from Kaaterskill Falls and the NYS North South Lake Campground to the Village of Hunter.

The Town is seeking engineering services for phase 5 of the trail plan to install a pedestrian bridge on the former Hunter Branch Railroad west of Clove Road. The bridge will span Clove Creek, a small tributary to the Schoharie Creek. The property is owned by the NYC Department of Environmental Protection (NYCDEP), which will allow the trail through a land use permit. The Consultant will coordinate with the Greene County Soil and Water Conservation District (GCSWCD) and the Town of Hunter on the following.

### **Description of Services and Deliverables**

#### **Objectives:**

- Conduct a detailed engineering evaluation that meets permitting requirements for installing a pedestrian bridge including determination of bearing capacity, topographic survey, permitting, hydraulic analysis, and design of embankment for erosion control.
- Promote outdoor recreation that is compatible with watershed protection and education
- Work with neighboring municipalities and state and non-profit agencies on developing a rail trail for hiking, biking, cross country skiing and snowshoeing that can provide multiple benefits including drawing visitors to local resorts and increasing user awareness of the NYC Watershed and programs through interpretive signage.

#### **Deliverables:**

Task 1: Prepare design calculations and contract drawings for concrete footings (abutments) to support the prefabricated bridge to span Clove Creek. Approximate bridge length 90 – 100 feet with bridge anchored to new abutments that rest on the former railroad bed beyond top of the existing slopes to avoid any impact on the eroding slope (actual span of Clove Creek opening is 57 feet.). Stabilizing and protecting the eroding slopes will be determined in the permit review process.

Task 2: Perform a survey to develop base mapping for purpose of laying out the bridge

and performing a hydraulic analysis for scour vulnerability. Scope of work includes:

- survey mapping of all landscape features at the proposed bridge site for 50 feet along each approach within the anticipated excavation and construction limits (as needed).
- A total of six hydraulic cross sections of the stream extending to the top of the stream bank.

Task 3: Perform a hydraulic analysis to determine the existing and proposed high water and scour elevations for the 50 and 100 year storm events. Stream Stats data and the hydraulic cross sections from survey will be used to perform the analysis using HEC-RAS.

Task 4: Prepare all documentation necessary to obtain construction permits for the project. Permits will be prepared for the U.S. Army Corps of Engineers, NYS DEC, and NYC DEP.

Task 5: Prepare design calculations and contract drawings for the stream bank scour countermeasures to protect the bridge footings, if required in the permit process. Scope of work to include:

- Develop countermeasure options for consideration to stabilize and protect eroding slopes (e.g., rip rap)
- Prepare contract drawings detailing the extent of the countermeasures including necessary earthwork and stream protection measures

All drawings will be signed and stamped by a Professional Engineer registered to practice in the State of New York.

### **Location Map:**

The site where the pedestrian bridge will be installed is west of Clove Road, Town of Hunter. Tax parcel #180.00-2-64. A site plan map can be found on the town's website at <http://townofhuntergov.com/> along with the Request for Proposals.

### **Schedule:**

Engineering services will be contracted in October 2019 (approx) with expected completion in two – three months, contingent on funding.

### **Proposal Submission**

Include an itemized cost statement delineated by task and submit SEVEN paper copies AND one electronic copy of the proposal in a sealed package (& in the subject of the email) attention: *Hunter Branch Rail Trail Engineering Bid* no later than **September 24, 2019 by 2pm** to Town of Hunter, PO Box 70, 5748 Rte 23A, Tannersville, NY 12485 and to the following email address: [info@townofhuntergov.com](mailto:info@townofhuntergov.com). The above mentioned documents and email will be opened publicly at a regular meeting of the Town Board on the same date at 7pm.

