



VILLAGE OF MARVIN
NORTH CAROLINA

Marvin Village Hall
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Village Council Agenda Report

Meeting Date: Thursday, February 29, 2024

MarvinNC.gov

Title: Discuss and Consider Entering Contract with Dewberry Engineering for Survey, Wetland Delineation/Report, Flood Study Model/Report and Various Agency Coordination/Site Visits for the Marvin Creek Connector Trail in Amount Not to Exceed \$33,000 with a Conti

Attachments: Proposal **Action Requested:** Give Consensus

Draft Motion: To Enter a Contract with Dewberry Engineering for Survey, Wetland Delineation/Report, Flood Study Model/Report and Various Agency Coordination/Site Visits for the Marvin Creek Connector Trail in Amount not to Exceed \$33,000 with a Contingency of \$12,000; and Authorize Manager to Execute Agreement and Relevant Permit Applications as Needed.

Budgetary Impact: Budgetary Action Required - Budget Amendment will be Required

Background:

Current:

Attached is the proposal for preliminary engineering and various studies that will be needed prior to continued construction of the Marvin Creek Connector Trail. It is important to note this proposal is not all that is needed before construction can start; but rather initial steps to see what steps are needed next. There are two distinct components of studies to be conducted: 1) floodway/rise/no rise assessments; and 2) Wetland Delineation and Determinations. Both will have their own set of laws/guidelines to follow and respective agencies of coordination ASIDE from the Village’s floodplain development permitting process. I will segment out relevant information below, per segment for ease of following in the proposal:

- 1) **Task 1: Topographic and Boundary Survey:** This section applies to the firm conducting field research and studies with existing and recorded lot lines in Union County GIS. In 2023, the easement was relocated slightly. While the easement has been recorded with an accompanying map, a new survey has not yet been ordered to record the slight shift. Before any work in the proposal can be performed, a new survey (not included in this scope) MAY be needed. Council gave prior authorization of survey costs in a prior meeting which can be used without a budget amendment, but staff wanted to assure Council’s desires to proceed before taking such action.
- 2) **Task 2: Wetland Delineation and Report:** This task only includes identifying approximate limits of streams and wetlands within 100 feet on each side of the proposed trail (no other land is being assessed). The engineers will produce a report outlining their findings and advise how to proceed. There are NO allowances in the proposal for permit/application submittals; jurisdictional determinations (estimated additional \$3k and 6-month process); and/or meetings with the United States Army Corp of Engineers. Verification reports, if needed, are generally valid for 5 years. *Staff would have to come back for additional appropriations* for this if it cannot be absorbed in contingency in addition to competing with other potential needs as identified herein. As mentioned in the introductory paragraph, this issue is exclusive to wetlands only and has nothing to do with the flood study component below in Task 3.
- 3) **Task 3: Flood Study Model and Report:** This task applies to the firm taking the FEMA model from the NC Flood Risk Information System (otherwise known as FRIS) to create a baseline model for flood studies. They will then model the proposed development into the system and see what effects are generated from the development with the proposed on-grade foot bridge. Two results will occur from this: 1) No-Rise Projected; or 2) Rise projected. If there is no-rise, the firm can assist in permitting with the Village of Marvin through its own floodplain development process. If there is a rise projected, the Village has two options: 1) lengthen/rise the proposed bridge (engineered certified documents/plans would be needed); or 2) Submit a Conditional Letter of Map Revision and/or a Limited Letter of Map Revision (otherwise known as “LOMR” or

“CLOMR”). This process is an extensive process that would take over a year and would require a lot more involvement from firm and submittal application and would require Engineered approved documents for the bridge. Current permits are estimated around \$7,500-\$8,500 (not including engineering work needed to get to submittal). *Staff would have to come back for additional appropriations* for this if it cannot be absorbed in contingency in addition to competing with other potential needs as identified herein. As mentioned in the introductory paragraph, this issue is exclusive to flood study only and has nothing to do with the wetland delineation component below in Task 2.

- 4) **Task 4: Agency Coordination and Site Visit:** This task includes various agency coordination as needed. There are no planned meetings/presentations to the Village Council or other boards. If additional meetings are needed, we will need to absorb in contingency.
 - 5) **Exclusions:** Please make sure to look through all the exclusions on page 4 as there are other areas of potential increases depending on results found in Tasks 2/3 such as construction drawings that needed for CLOMR/LOMR submittal; wetlands confirmation (if needed); field surveys for endangered species (which is suspected); etc.
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