TOWN COUNCIL STAFF REPORT

Subject: Approve the supplemental agreement for the engineering, design, and construction management of the Wildlife Security Fence Project at Mammoth Yosemite Airport.

Meeting Date: January 15, 2020

Prepared by: Sierra Shultz, Assistant Engineer
Grady Dutton, Public Works Director

RECOMMENDATIONS:

Approve the supplemental agreement for Reinard W. Brandley, Consulting Airport Engineer, to complete the engineering, design, and construction management of the Wildlife Security Fence Project at Mammoth Yosemite Airport in an amount not to exceed $143,000.

BACKGROUND:

Reinard W. Brandley (Brandley) provides general engineering services at Mammoth Yosemite Airport on an on-call basis. Under the Agreement, Brandley has provided many services such as planning studies, topographic surveys, soil studies, pavement evaluation studies, drainage studies, environmental studies, engineering design, construction supervision, and architectural design. The proposed supplemental agreement is consistent with typical tasks performed by the consultant.

The Town of Mammoth Lakes proposes to construct a new wildlife security fence at the Mammoth Yosemite Airport. The project was proposed in 2018; however, never came to fruition. Brandley completed the engineering design and preparation of plans and specifications for the project in 2018. The Town has requested that Brandley update the plans, specifications, and engineer's estimate to bring all bid documents to current FAA standards, as well as provide administrative and construction management services for the project. In addition, to better implement the project, the project is being revised to remove portions of the fence on the north side of the Airport near existing buildings. That portion will be pursued under a separate agreement and subsequent project.

This project is included in the Airport Capital Improvement Program (ACIP) recently approved by Town Council.

ANALYSIS/DISCUSSION:

Below are summaries of the scope of work, the engineering fees, and the time of completions for the multiple phases of work.

Phase 1 – Update Engineering Design, Plans, and Specifications
Phase 1 includes updating the engineering design, plans and specifications, Engineering Report including an engineer's estimate, and construction management plan and construction safety and phasing plan. This phase can be completed within 60 calendar days and is not exceed $30,000.

Phase 2 – Engineering Services During Bid and Award
Phase 2 includes assisting the Town in printing and distributing final plans and specifications to prospective contractors, participating in a pre-bid meeting, responding to any questions or comments from prospective contractors, preparing any required addenda, and assisting in the award of the contract including preparation of Abstract of Bids and evaluation of bids. This phase is not to exceed $7,000.

Phase 3 – Engineering Design Services During Construction and Final Project Closeout
Phase 3 includes participation in the pre-construction conference and provision of engineering surveillance of all construction operations, including attendance at weekly construction meetings, preparation of any change orders, preparation of contractor pay estimates, review of submittals, and preparation of final as-constructed drawings and final engineer's report. This phase is not to exceed $20,000.

Phase 4 – Construction Management
Phase 4 includes furnishing a qualified Resident Engineer to review and monitor all construction activities, provide inspection and testing, and provide traffic safety inspectors and safety plan implementation. This phase is not to exceed $86,000.

The total of the project is not to exceed $143,000.

Town staff completed an Independent Fee Estimate and acknowledged that the proposed costs were reasonable and acceptable for the proposed scope of work.

STAFFING CONSIDERATIONS:

Public Works Staff will work with Airport Staff to manage the supplemental agreement and construction of the project. The project is included in the 2020 staff work programs.

FINANCIAL CONSIDERATIONS:

The Town has just submitted preapplications for the 2020 Airport Improvement Program projects to the Federal Aviation Administration (FAA). Administration, engineering, and construction services for the proposed project have been included in the Federal Assistance preapplication and therefore the Town expects that the proposed work will be fully funded by FAA Participation and Sponsor Participation. Sponsor Participation will be composed of Passenger Facility Charges (PFC's) or Airport Entitlement funds. Based on typical FAA eligibility calculations, the Sponsor Participation is expected to be approximately $13,500.

ENVIRONMENTAL CONSIDERATIONS:

In 2016, the FAA determined that the project is Categorically Excluded pursuant to FAA Order 1050.1F as it relates to the National Environmental Policy Act of 1969, as amended (NEPA). Staff is working with FAA to update this determination prior to project advertisement and award.

LEGAL CONSIDERATIONS:

None.

ATTACHMENTS:

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