

## **TOWN COUNCIL STAFF REPORT**

Title: Authorize the Contract for the Airport Pavement Maintenance Management Plan Update to Brandley Engineering Inc.

Meeting Date: February 7, 2024

Prepared by: Sierra Shultz, Deputy Airport Manager

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### **RECOMMENDATION:**

Staff recommends that Town Council authorize the agreement with Brandley Engineering, Inc. to perform a Pavement Maintenance Management Plan (PMMP) for all airfield pavements at Mammoth Yosemite Airport (MMH) in an amount not to exceed \$135,000.

### **BACKGROUND:**

A PMMP provides reporting of surface conditions, remaining pavement life, and recommendations for schedule, type, and cost of maintenance to extend the life of the pavement or reconstruction. The Federal Aviation Administration (FAA) requires sponsors to prepare and maintain an updated PMMP for the airport to remain eligible for federal funding. The last full PMMP that was prepared for the airport was in December of 2014. A Pavement Maintenance Management Plan should be done every 5 to 10 years. On September 12, 2023, staff executed an Airport Infrastructure Grant (AIG) agreement with the Federal Aviation Administration (FAA) for the purposes of funding this Pavement Maintenance Management Plan.

### **ANALYSIS:**

Brandley Engineering Inc. has been conducting engineering and architectural services for Mammoth Yosemite Airport for many years. Staff issued a Request for Qualifications for engineering and architectural services at the airport in June of 2023 and after reviewing Statements of Qualifications and conducting interviews. Brandley Engineering Inc., along with one other firm, was selected to provide on-call engineering services as needed.

A record of negotiation and independent fee estimate was completed by staff to ensure a reasonable fee and scope of work. The proposed contract scope of work for this project includes several major components, as follows:

a. Deep-Seated Distress

Non-destructive testing will be conducted to obtain the necessary basic data to evaluate the airfield pavements. Where deep-seated distress analysis is required, all pavements will be tested with the falling weight deflectometer. This method will be used to determine the predicted time of failure under fatigue loading.

b. Pavement Condition Index (PCI) Determination

A detailed visual inspection of all pavements will be performed to identify distress or failure due to weathering, other environmental efforts, age, traffic, or lack of maintenance.

c. Engineering Analysis and Report

The engineering analysis and report will include traffic determination and forecasting, analysis and recommendations, rehabilitation costs, and the pavement maintenance management program report. The pavement maintenance management program report will summarize the above information and detail the pavement rehabilitation plan and schedule including estimated budgets.

**FINANCIAL CONSIDERATIONS:**

The amount of funding received through the Federal Aviation Administration (FAA) Airport Infrastructure Grant (AIG), number 3-06-0146-051-2023, was \$126,924. The grant requires a sponsor match of \$13,076, bringing the total funds available for this project to \$140,000. The available funds are sufficient to cover the cost of the PMMP and Town administrative expenses.