

AMENDMENT NO. THREE (3) TO CONTRACT
DATED MARCH 1, 2016
BETWEEN
JVIATION, A WOOLPERT COMPANY
AND
SAN JUAN COUNTY
MONTICELLO, UT

The Sponsor and the Engineer agree to amend their contract for improvements to the Cal Black Memorial Airport, Monticello, Utah to include fees for engineering services. The improvement item is included in the Scope of Work of the original contract. The item covered by this amendment is described as follows:

- Pavement Maintenance

The Sponsor agrees to pay the Engineer for the services listed under Section 2 of the original contract in the following manner, and within the time constraints outlined in the development schedule.

PART A - BASIC SERVICES

Administration.....	Lump sum of \$11,850.00
Engineering.....	Lump sum of \$12,240.00
TOTAL BASIC SERVICES	Lump sum of \$24,090.00

Method of payment shall be as follows:

If work is abandoned, or terminated, after obtaining approval by the Sponsor and the UDOT of the final construction plans and specifications, the Sponsor shall reimburse up to 100 percent of the total lump sum as listed under PART A.

PART B - SPECIAL SERVICES

The maximum estimated SPECIAL SERVICES engineering is as follows:

CONSTRUCTION ADMINISTRATION

Construction Inspection	Lump Sum of \$8,785.00
TOTAL CONSTRUCTION ADMINISTRATION	Lump sum of \$8,785.00
TOTAL.....	\$32,875.00

Method of payment shall be as follows:

For services rendered under PART B - SPECIAL SERVICES, the Sponsor agrees to make monthly payments based upon the work performed by the Engineer, up to 90 percent of the total contract. The final ten percent of the fee shall be due and payable when the project final inspection and the construction report have been completed, and when reproducible Record Drawings have been submitted to the Sponsor or when the construction work has terminated. The Record Drawings and Construction Report shall be submitted within a period of 90 days from end of construction period.

All other terms and conditions of the original contract shall remain in effect.

IN WITNESS WHEREOF, the parties hereto have affixed their signatures this _____ day of _____ 2021.

SPONSOR:
San Juan County

ATTEST:

By: _____

Name: _____

Title: _____

ENGINEER:
Aviation, A Woolpert Company

By: _____


Name: _____ Kirk Nielsen

Title: _____ Office Manager

SCOPE OF WORK FOR CAL BLACK MEMORIAL AIRPORT Halls Crossing, Utah UDOT Project FY 2021 Pavement Maintenance

This is an Appendix attached to, made a part of and incorporated by reference with the Consulting Contract dated March 1, 2016 between San Juan County and Jviation, Inc. for providing professional services. For the remainder of this scope the Cal Black Memorial Airport is indicated as “Sponsor” and Jviation, Inc. is indicated as “Engineer”. The approximate construction cost of this project is \$115,000.00.

This project shall consist of preparing Administration, Engineering, and Construction Inspection for the pavement maintenance project. This scope of work is for the consulting services provided by the Engineer for the Sponsor. See Exhibit No. 1 below for the project location.

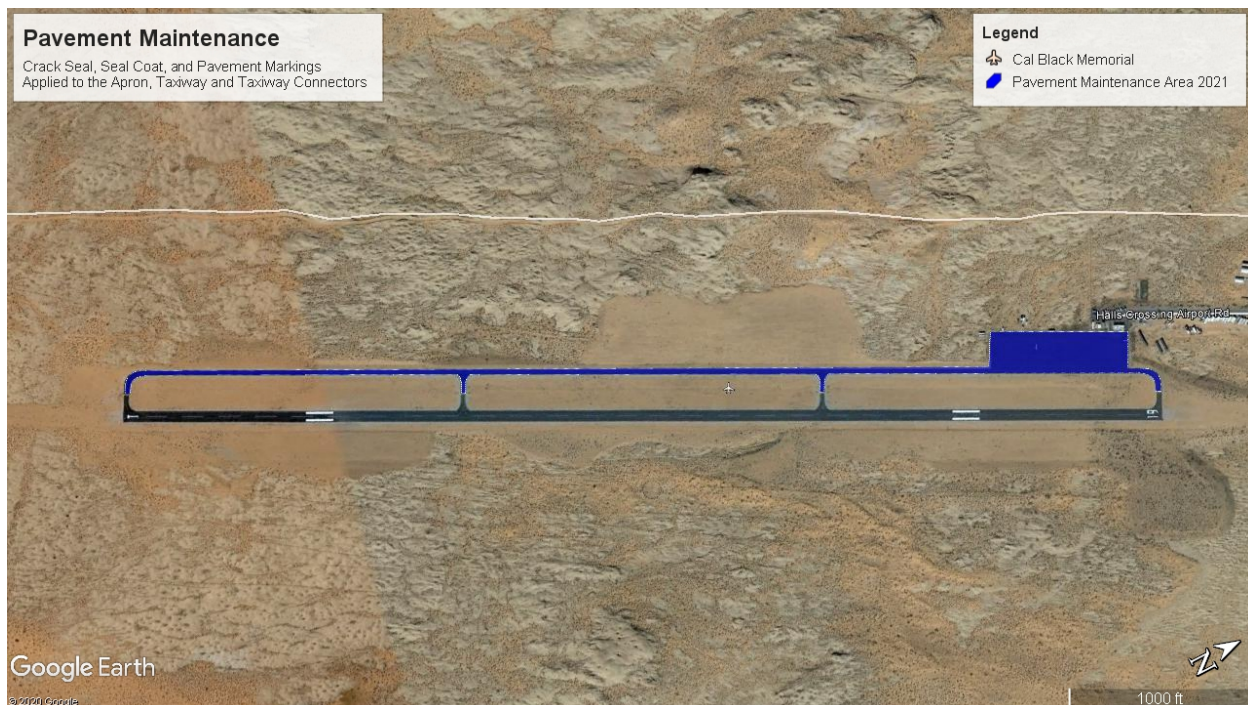


EXHIBIT NO. 1

DESCRIPTION

This project shall consist of applying pavement sealing and rejuvenating products to the taxiway, taxiway connectors, and apron bituminous asphalt pavements. This pavement preservation project is required on a three to five year schedule to protect the airport’s capital investment in the pavement and help the pavement perform for its full 20-year design life.

The engineering fees for this project will be broken into two parts. **Part A-Engineering and Administration Services** which includes: 1) Administration Phase and 2) Engineering Phase, and **Part B-Construction Inspection Services** which includes: 3) Construction Inspection Phase. Parts A and B are described in more detail below.

PART A – ENGINEERING AND ADMINISTRATION SERVICES consists of the Administration Phase and Engineering Phase, all invoiced on a lump sum basis.

1.0 Administration Phase

1.1 Coordinate and Attend Meetings with the Sponsor and UDOT Aeronautics. Meetings with the Sponsor and the UDOT Aeronautics will take place to determine critical project dates, and to establish the project scope of work. It is anticipated that there will be two meetings occurring with the Sponsor and UDOT Aeronautics, which will occur via teleconference.

1.2 Prepare Project Scope of Work and Contract. This task includes establishing the scope of work through meetings with the Sponsor and UDOT Aeronautics. This task also includes drafting the contract for the work to be completed by the Engineer for the Sponsor.

1.3 Prepare SCIP Scoping Document. This task consists of the Engineer preparing the SCIP for the Sponsor to submit to UDOT Aeronautics. This document is required by UDOT for the grant and details the scope of the work on the project.

1.4 Advertise for Bids. The Engineer will coordinate the project advertisement, on behalf of the Sponsor, with San Juan Record. Additionally, this task will include contacting and providing the Invitation for Bids to potential contractors and material suppliers to ensure local firms are aware of the project. Reimbursement for the project advertisement(s) will be requested from the Sponsor as a pass-through cost during invoicing.

1.5 Consult with Prospective Bidders. During the bidding process, the Engineer will be available to clarify bidding issues with contractors and suppliers, and for consultation with the various entities associated with the project. This item also includes contacting bidders to generate interest in the project.

1.6 Review Bid Proposals. This Engineer will review all bid proposals submitted. An analysis of the bid prices and contractor's qualification for the work will be completed and tabulated. This information will be submitted to the Sponsor and UDOT.

1.7 Prepare Recommendation of Award. The Engineer will prepare a Recommendation of Award for the Sponsor to accept or reject the bids as submitted. If rejection is recommended, the Engineer will supply an explanation for their recommendation and possible alternative actions the Sponsor can pursue to complete the project.

1.8 Review Construction Submittals. This task will consist of reviewing and approving material submittal data received from the contractor

1.9 Prepare Requests for Reimbursement. Requests for Reimbursement (RFR) will be submitted on a monthly basis to the Sponsor for review and approval prior to the Sponsor requesting reimbursement from UDOT.

1.10 Conduct Final Inspection and Prepare Clean-Up Item List. The Engineer, along with the Sponsor and UDOT (if available), will conduct the final inspection. The Engineer will check that the Contractor has removed all construction equipment and construction debris from the Airport, that all access points have been re-secured (fences repaired, gates closed and locked, keys returned, etc.) and the site is clean.

1.11 Prepare Final Construction Report and Summarize Project Costs. The Engineer will prepare the Final Construction Report. The report will include a summary of all administrative expenses, engineering fees and costs, and construction costs associated with the project and assemble a total project summary.

TASK 1 DELIVERABLES	TO STATE	TO SPONSOR
1.1 Meeting Agendas, Project Schedule and Meeting Minutes from Pre-Design Meeting	✓	✓
1.2 Scope of Work and Draft Contract for the Sponsor		✓
1.3 SCIP Scoping Document	✓	✓
1.4 Invitation for Bids sent to Newspaper and Potential Contractors		✓
1.6 Bid Tabulation	✓	✓
1.7 Recommendation of Award		✓
1.9 Requests for Reimbursement submitted to UDOT	✓	✓
1.10 Prepare Clean-Up Item List		✓
1.11 Final Construction Report	✓	✓

TASK 1 MEETINGS/SITE VISITS	LOCATION/ATTENDEES/DURATION
1.1 Initial Project Timeline and Scheduling	→ St. George, UT One (1) Resident Engineer and one (1) Project Manager Assume One (1) hour via teleconference (2 meetings)
1.6 Bid Opening	→ St. George, UT One (1) Project Manager Assume One (1) hour via teleconference (1 meeting)
1.10 Final Inspection and Punch List	→ Halls Crossing, UT One (1) Construction Manager Assume will be done with the final inspection on the FAA AIP-016 project

2.0 Engineering Phase

2.1 Prepare Site Visit/Inventory. This task will include a site visit to count the number of cracks and inventory the work to be completed as part of the project.

2.2 Prepare Contract Documents. This task will include preparing the Contract Documents, including Contract Proposal, Bid Bond, Contractor Information Sheet, Subcontractor/Material Supplier List, Bid Proposal, Contract, Payment Bond, Performance Bond, Notice of Award, Notice to Proceed, Notice of Contractor's Settlement, General Provisions, and FAA AC 150/5370-2 (Current Edition), *Operational Safety on Airports During Construction*. Also included in the Contract Documents, and covered under separate tasks below, are the Technical Specifications and Special Provision. Preliminary Contract Documents will be prepared as early as possible during the design phase and submitted to the Sponsor for review.

2.3 Prepare Plans. This task includes preparing the following list of construction plans for the project. Additional plans may be added during the design phase as needed:

Plan Name/Description	Number of Sheets
Phasing Sheet	1
Pavement Sealing Location and Details	1
Pavement Marking Plan & Details	3
Total Sheet Count	5

2.4 Prepare Technical Specifications. This task includes assembling the technical specifications necessary for the intended work. The standard specifications to be utilized will include, but not be limited to, the following:

- Item GP-105 Mobilization
- Item P-604 Coal Tar Seal Coat
- Item P-620 Runway and Taxiway Painting

2.5 Prepare Special Provisions. This task includes preparing the Special Provisions to address, or expound on, site conditions that require additional clarification. These include, but are not limited to: Haul Roads, Airport Security, Radio Communications, Work Schedule, Contractor's Quality Control Program, Sequencing of the Work, Closure of Air Operations Areas, Accident Prevention, Underground Cables/Utilities, Insurance, Indemnification, Sales and Use Taxes, Permits and Compliance with Laws, Executed Contracts, Subletting or Assigning of Contracts, and Liquidated Damages.

2.6 Calculate Estimated Quantities. This task includes calculating all necessary quantities for the various work items. Quantities will be consistent with the specifications and acceptable quantity calculation practices.

2.7 Prepare Estimate of Probable Construction Cost. Using the final quantities calculated following the completion of the plans and specifications, the Engineer will prepare the construction cost estimate. The estimate will be based on information obtained from previous projects, contractors, material suppliers, and other databases available.

2.8 Coordinate Phases for Construction. The Engineer will coordinate project phasing with the Sponsor to minimize the impacts of the project on the airport users. The phasing will be included in the plans as part of the Contract Documents.

2.9 Plan Review – Sponsor and UDOT Aeronautics. Upon completion of the design, the Engineer will submit a set of Construction Plans, Contract Documents, and Technical Specifications to the Sponsor and UDOT Aeronautics for review prior to advertising for bids.

2.10 Provide In-House Quality Control. The Engineer has an established quality control program that will provide both experienced and thorough reviews of all project submittals and will also provide engineering guidance to the design team throughout design development from an experienced senior-level Professional Engineer.

Prior to the 100% review of Construction Plans, Contract Documents, and Technical Specifications being submitted to the Sponsor and UDOT Aeronautics, a thorough in-house quality control review of the documents will be conducted. This process will include an independent review of the Construction Plans, Contract Documents, and Technical Specifications being submitted, by a licensed Engineer, other than the Engineer who performed the design of the project. Comments offered by the Engineer that performed the review and revisions to the Construction Plans, Contract Documents, and Technical Specifications will be made accordingly.

In addition to the 100% design review, the Engineer's in-house quality control program also provides engineering guidance to the design team throughout the project design in an attempt to steer the project in a manner that provides the best engineering judgment.

2.11 Prepare and Submit Final Plans and Specifications. A final set of Construction Drawings (11” x 17”), Technical Specifications and Contract Documents will be prepared and submitted to UDOT and the Sponsor. These documents will incorporate all revisions, modifications and corrections determined during the UDOT and Sponsor final review. Paper and electronic copies will be provided.

TASK 2 DELIVERABLES	TO STATE	TO SPONSOR
2.2 Preliminary Contract Documents for Sponsor’s Review	✓	✓
2.9 Construction Plans, Specifications and Contract Documents	✓	✓
2.11 Final Construction Plans, Specifications and Contract Documents	✓	✓

TASK 2 MEETINGS/SITE VISITS	LOCATION/ATTENDEES/DURATION
2.1 Site Visit / Inventory	→ Cal Black, UT One (1) Associate Engineer Assume Travel to/from St. George UT, to Halls Crossing, UT, with one overnight stay for Associate Engineer for site visit.
2.9 Plan Review with Sponsor and UDOT Aeronautics	→ St. George, UT One (1) Resident Engineer and one (1) Project Manager Assume one (1) hour via teleconference (1 meeting)

PART B – CONSTRUCTION INSPECTION SERVICES consists of on-site construction management services throughout the duration of the project, invoiced on a lump-sum basis.

3.0 Construction Inspection Phase

This phase will consist of providing one, full-time Construction Manager. It shall be the responsibility of the Construction Manager to facilitate sufficient on-site construction coordination to ensure that the project is completed according to good construction practice and the Project Manager’s direction. It is estimated that it will take **2 working days** to complete construction of the project.

3.1 Provide Resident Engineering. The Construction Manager will be on-site full time and will work approximately **12 hours per day**. It is assumed that the Construction Manager will be able to complete all daily project documentation in the course of their shift and that total inspection on-site time is anticipated to be **2 working days**. Incidental travel costs, including vehicle usage, mileage, lodging, per diem, etc., are in addition to the engineering hours expended.

- Review and approve construction submittals, consisting of the plans and material submittal data received from the Contractor.
- Review copies of the survey data and other construction tasks for general compliance with the construction documents.
- Coordinate, review and provide a response to construction and general project Request for Information (RFIs).
- Prepare and process change orders.
- Maintain record of the progress of construction and review the quantity records with the Contractor on a periodic basis.
- Prepare the periodic cost estimates and review the quantities with the Contractor. The Engineer, Sponsor and Contractor will resolve discrepancies or disagreements with the Contractor’s

records. The periodic cost estimate will also include all other costs associated with the project (administrative costs, engineering, any miscellaneous costs). After compiling all costs, the Engineer will then submit the periodic cost estimate to the Sponsor for payment.

- Maintain daily logs of the construction activities for the duration of time on site which includes the Construction Project Daily Inspection Checklist. Verify that restricted areas, roads, staging areas, etc. are all remaining within the areas cleared under environmental documentation.
- Conduct a final inspection that will check that the Contractor has removed all construction equipment and construction debris from the Airport, that all access points have been re-secured (fences repaired, gates closed and locked, keys returned, etc.) and the site is clean.

TASK 3 DELIVERABLES	TO STATE	TO SPONSOR
3.1 Monthly Pay Application	✓	✓
3.1 Pay Request/Quantity Review Documentation		✓
3.1 Change Orders/Supplemental Agreements	✓	✓

TASK 3 MEETINGS/SITE VISITS	LOCATION/ATTENDEES/DURATION
3.1 Resident Engineering	→ Cal Black, UT One (1) Associate Engineer Assume Travel to/from St. George UT, to Halls Crossing, UT, with one overnight stay for Associate Engineer for field inspection (two trips)

EX Reimbursable Costs During Construction This section includes reimbursable items such as auto rental, mileage, lodging, per diem, travel and other miscellaneous costs incurred in order to complete **Part B – Construction Inspection Services**.

Assumptions

The scope of services described previously is based on the following assumptions of responsibilities by the Engineer and Sponsor.

1. It is anticipated there will be a minimum number of trips and site visits to the airport to facilitate the completion of the various phases listed in this scope. Each trip is included at the end of each phase above.
2. The Sponsor will coordinate with tenants as required to facilitate field evaluations and construction.
3. While the project has both eligible and ineligible work, this scope and fee assumes that the project will be designed as one bid package with separate state funded and locally funded bid schedules. Splitting the project into two bid packages will result in additional costs.
4. All engineering work will be performed using accepted engineering principles and practices and quality products that meet or exceed industry standards will be provided. Dimensional criteria will be in accordance with FAA AC 150/5300-13 (Current Edition), *Airport Design* and related circulars. Project planning, design and construction will further conform to all applicable national, state, or local regulations and standards, as identified and relevant to an airfield design and construction project.

5. The Engineer will utilize the following plan standards for the project:
 - Plans will be prepared using the Engineer's standards, unless the Sponsor provides its own standards upon Notice to Proceed.
 - Plan elevations will be vertical datum NAVD 88 derived from the existing control network.
 - Plan coordinates will be based on horizontal datum NAD 83/2011 State Plane Coordinates derived from the existing control network.
 - All plans will be stamped and signed by a registered Utah Professional Engineer.

6. The Engineer will utilize the following assumptions when preparing the project manual for bidding and construction of the project:
 - The project manual Contract Documents will be developed jointly by the Sponsor, UDOT Aeronautics and the Engineer.
 - The Engineer is responsible for developing the contents of the document.
 - FAA General Provisions and required contract language will be used.

7. The Engineer must maintain records of design analyses and calculations consistent with typical industry standards for a period of three years after the project is closed out by UDOT.

8. Because the Engineer has no control over the cost of construction-related labor, materials, or equipment, the Engineer's opinions of probable construction costs will be made on the basis of experience and qualifications as a practitioner of his/her profession. The Engineer does not guarantee that proposals for construction, construction bids, or actual project construction costs will not vary from Engineer's estimates of construction cost.

9. It is assumed that a project audit will not be performed. If a project audit occurs, the Engineer is prepared to assist the Sponsor in gathering and preparing the required materials for the audit. This work will be negotiated with the Sponsor, should the need occur, and payment will be on a time and material basis.

