

**DESIGN PROFESSIONAL SERVICES
AMENDMENT NO. SIX
PROJECT NO. 62200528 – LANDSIDE PAVEMENT DESIGN
KANSAS CITY INTERNATIONAL AIRPORT
AVIATION DEPARTMENT**

SCOPE OF WORK

This amendment is between KANSAS CITY, MISSOURI, a constitutionally chartered municipal corporation (City), Crawford, Murphy & Tilly (Design Professional). The parties amend the Agreement entered into on August 3, 2020, as follows:

Sec. 1. Sections Amended. The Agreement is amended as follows:

A. Sec. 2, Paragraph A, Scope of Services, Amendment 1, Section 6. ECONOMY LOT B REHABILITATION, remove the following section:

E. Economy Lot B Rehabilitation Construction Phase Services

B. Sec. 2, Paragraph A, Scope of Services, add the following sections:

23. MCI Development Concepts

A. Project Management

1) Project Scope Preparation

A Scope of Work will be prepared describing each item of work required for completion of development concepts and associated Opinions of Probable Construction Cost (OPCC) based on guidance provided by the Kansas City Aviation Department (KCAD) and in accordance with appropriate and most current FAA Advisory Circulars, local City of Kansas City standards, and other industry standards where applicable.

Each task within in the Scope of Work will be evaluated to determine the appropriate level of man-hours and personnel classifications to complete each individual task. Estimates will also be prepared for direct expenses such as materials, printing, and any other necessary costs related to the project. It assumed that this effort will be captured within an existing contract vehicle – therefore, no effort is included within this scope of work for City Council passage/supporting documentation.

2) Project Administration/Coordination

Necessary for the success of any project is the myriad of functions related to project administration that are not accounted for in individual work elements. These tasks include on-going monitoring of project budget and schedule, team meetings (as necessary), quality assurance/control reviews, project staffing, coordination with subconsultants, etc. These work elements are necessary to ensure proper completion and delivery of the project deliverables.

B. Planning Efforts

1) Concept Development

Recognizing that there are several different aeronautical uses that could potentially occupy a given site on an airport, three (3) concept layouts will be provided for each of the development areas. As part of the concept development, the consultant team will provide space design support, guidance, and planning which will aid the Airport in the layout and distribution of parcels. As communicated by KCAD staff, there are private and commercial developers interested in the construction of facilities on the airfield. For this reason, it is crucial that the Airport develops an effective layout and design for the siting of future facilities.

- I. Development concepts will be created for the space directly adjacent to Runway ends 27 and 1R.
- II. Development concepts will be created in the space identified with a view towards existing airfield connectivity and capability with the approved Airport Layout Plan future parallel 1U/19U.

It is important to note that these development alternatives will be developed using and considering the following guidelines:

- I. AviPLAN for development of aircraft routing within and adjacent to the development layout
- II. Impact to adjacent environmentally flagged areas (per existing Airport Master Plan)
- III. AutoTURN for development of adjacent roadway network based on certain development concepts (i.e., semi-truck access for developments such as cargo)
- IV. Feasibility analysis considerations:
 - a) Impact of developments on tower line of sight (LOS)
 - b) Impact of developments on existing FAA equipment/Navigational Aids (NAVAIDS)
 - c) Utilities necessary to serve near-term and long-term development
 - d) Impact of developments on airspace and theoretical building restriction line (BRL)
 - e) Security/perimeter fence
- V. Layouts suitable for distribution to development community for the purposes of seeking development proposals
- VI. Consideration for following development types:
 - a) Cargo
 - b) Maintenance Repair and Overhaul (MRO) – airline or third party
 - c) Corporate flight development

This is not an exhaustive list but communicates that the alternatives will be developed with numerous factors being considered as part of the overall process.

2) Concept Evaluation

Aviation development alternatives will be evaluated through various screening criteria including but not limited to airport objectives, environmental considerations, site constraints (i.e., utility access, drainage, earthwork), facility conditions, and financial feasibility. These will be presented in red, amber, green analysis.

Following completion and analysis of the conceptual alternatives, Engineer's Opinion of Probable Construction Costs will be developed for each alternative. These are intended to give the Sponsor and development community an idea of the costs associated with prepping the available land for development (bringing utility, roadway, and aeronautical infrastructure to the area) as well as the potential costs of development within these areas (hangars, sort facilities, MRO operations, etc.)

24. Landside Structural Package 1: Extension of CM Services

A. Additional Services Scope Overview

- 1) Additional services to attend bi-weekly construction meetings (one meeting every other week) until the completion of construction for the first package of bridge and wall rehabilitation
- 2) Assumed construction duration is the months of May through July 2023. Additional construction duration is approximately 12 week. 7 meetings are assumed. Three hours per meeting for the Project Manager including travel time and 1 hour of meeting time.
- 3) HDR will prepare a rolling meeting agenda and meeting minutes with action items for each meeting. Two hours per meeting for the Project Manager.
- 4) In addition to the scheduled status meetings, HDR will participate in up to 4 meetings on site to review the conditions of the existing structures and discuss elements of the project. Three hours per meeting, for the Project Manager, including travel time and 1 hour of meeting time.
- 5) HDR will provide responses to an additional 3 construction phase RFI's or questions from the Contractor. Two hours per RFI for the project manager.
- 6) HDR will review the progress of the construction, review the pay applications submitted by the Contractor, sign and return the pay applications to the Kansas City Aviation Department for further processing. Assumed pay application requests will be submitted in the months of May through August 2023 (4 pay applications at one hour each).
- 7) Travel to the meeting site at 601 Brasilia from the HDR office is approximately 70 miles round trip. Mileage to be reimbursed at the accepted rate of \$0.625 per mile.

25. Landside Structural Package 2 CM Services

- A. Additional services to attend bi-weekly construction meetings (one meeting every other week) until the completion of construction for the second package of bridge and wall rehabilitation
- B. Assumed construction duration is the months of May through November 2023. Construction duration is approximately 31 weeks. 17 meetings are assumed. Three hours per meeting for the Project Manager including travel time and 1 hour of meeting time.
- C. HDR will prepare a rolling meeting agenda and meeting minutes with action items for each meeting. Two hours per meeting for the Project Manager.
- D. In addition to the scheduled status meetings, HDR will participate in up to 8 meetings on site to review the conditions of the existing structures and discuss elements of the project. Three hours per meeting, for the Project Manager, including travel time and 1 hour of meeting time.
- E. HDR will provide responses to an additional 8 construction phase RFI's or questions from the Contractor. Two hours per RFI for the project manager.
- F. HDR will review the progress of the construction, review the pay applications submitted by the Contractor, sign and return the pay applications to the Kansas City Aviation Department for further processing. Assumed pay application requests will be submitted in the months of May through December 2023 (8 pay applications at one hour each).
- G. Travel to the meeting site at 601 Brasilia from the HDR office is approximately 70 miles round trip. Mileage to be reimbursed at the accepted rate of \$0.625 per mile.

26. Landscaping and Signage CM Services

- A. Overview
This scope of work is intended to serve as the addition of the construction management phase to the Landscaping and Signage Improvements project for Kansas City International Airport. These services will be provided as an amendment to an existing on-call agreement between the Sponsor and Crawford, Murphy & Tilly, Inc. (Consultant). Below is a summary of key tasks within this effort:
 - 1) Construction Management
 - I. Project Management
 - II. Construction Observation
 - III. Final Inspection and Closeout
 - IV. Landscape Architect Construction Management (Vireo)
 - 2) Project Management

- I. Prepare Electronic Files for Contractor use
 - II. Prepare construction documentation paperwork, file folders, project binders, etc.
 - III. Conduct preconstruction conference, including agenda and minutes
 - IV. Review contractor shop drawings
- 3) Construction Observation
- I. Part Time Inspection during non-site work phases (one visit per week for 16 weeks)
 - II. Full time inspection during sitework phases (5 hour days for 5 days/week for 4 weeks)
 - III. Project Manager and Senior engineer to provide office support for Field RPR and contractor during construction
 - IV. Change Order and Pay Request Preparation
 - V. Conduct Weekly Construction Progress Meetings
 - VI. Respond to Field Issues throughout duration of project
- 4) Post-Construction
- I. Attend and conduct a Final Walk-Through review of the Project with KCAD and the Contractor
 - II. Punchlist Verification for all work identified during Final Walk-Through.
 - III. Prepare and submit to KCAD one (1) electronic set of record drawings via digital .pdf format.
 - IV. Prepare and submit to KCAD a Final Closeout Report
- 5) Landscape Architect Construction Phase Services (Conducted by Vireo)
- I. Construction Administration (CA)

Vireo will perform the following construction phase services pertaining to the new monument signs and landscaping. By performing these services, Vireo shall not have authority or responsibility to supervise, direct, or control the Contractor's work or the Contractor's means, methods, techniques, sequences, or procedures of construction. Vireo shall not have authority or responsibility for safety precautions and programs incident to the Contractor's work or for any failure of the Contractor to comply with laws, regulations, rules, ordinances, codes, or orders applicable to the Contractor furnishing and performing the work.

 - a) Attend a pre-construction meeting with the Client and Contractor prior to sign fabrication and/or installation.
 - b) Review and respond to Change Orders to be executed by the Client.
 - c) Review substitution requests and "or-equal" items and provide feedback to Client.
 - d) Review and respond to Requests for Interpretation (RFI).
 - e) Review submittals and shop drawings.
 - f) Perform site visits and provide reports of findings to Client. Visits may coincide with:
 - i. Review of footing/slab installations (assume 2)
 - ii. Review of monument sign wall construction, including DMS and logo support system, and application of metal cladding (assume 5-6)
 - iii. Review letter and graphic fabrication and installations (assume 3-4)

- iv. Review lighting mock-ups, fabrications and installations (assume 4-5)
- v. Review hardscape and softscape installations (assume 4-5)

Vireo will assist in the evaluation of the construction work through on-site observations of the work in progress, field checks of materials and equipment, and maintenance of job site records on conditions and activities as specified in the approved bid documents inclusive of the plans and specifications.

- g) Review and respond to Work Change Directives (WCD).
- h) Attend (2) punch-list walk-throughs and make recommendation for substantial completion.

Preliminary Punch-List

Vireo shall attend a substantial completion walk-through, compile notes, and prepare a Preliminary Punch-List of corrective items which will address remaining work as required by Contractor. The Punch-List will be distributed to the Client.

Final Punch-List

After Contractor has stated that he/she has completed the Preliminary Punch-List, Vireo shall attend a final completion walk-through, preparing a Final Punch-List of corrective items and distribute to the Client.

- II. Redesign Entry and Exit Monument Signs
Vireo will make revisions to the approved Entry and Exit Monument Signs based on City comments and direction following bidding and award to MegaKC. Vireo will develop 2-3 options for review and, following selection of preferred option, will revise construction documents accordingly. We assume up to 3 meetings will be necessary to coordinate the effort of replacing the logomark with the City of Fountains logo.
- III. Reskin Economy Parking Sign
Vireo will refine and finalize the logo and text design for the Economy Parking sign based on direction from CMT. It is assumed that CMT will provide the necessary CAD files for the logo and text work and develop final construction drawings.
- IV. Relocate Entry and Exit Monument Signs
Vireo will relocate the Entry and Exit Monument Signs and revise the CD's as necessary, which will require adjustments to grading and landscape plans. CMT will finalize grading and provide all necessary utility adjustments.

27. Erosion Ditch Mitigation: Extension of CM Services

A. Additional Services Scope Overview

- 1) Completion of draft project design and coordination with potential contractors has lead the design team to believe that the construction phase of this project is better suited at 6 weeks rather than the 4 originally anticipated. This to account for additional scope items such as storm sewer extension and tree removal. The purpose of this extension is to add additional labor hours for CMT project management and HG Consult field inspection to cover the additional expected 2 weeks of construction.

B. Sec. 4, Paragraph A, Compensation and Reimbursables, delete and replace the following section:

A. The maximum amount that City shall pay Design Professional under this Agreement is \$2,255,766.33, as follows:

1. \$282,506.33 for the services performed by Design Professional under original Agreement.
2. \$854,030.00 for the services performed by Design Professional under Amendment One.
3. \$837,230.00 for the services performed by Design Professional under Amendment Four.
4. \$183,000.00 for the services performed by Design Professional under Amendment Five.
5. \$284,000.00 for the services performed by Design Professional under this Amendment Six.

A. Paragraph A, Scope of Services, Amendment 1, Section 6. ECONOMY LOT B REHABILITATION – A reduction in the amount of \$185,000.00.

Sec. 2. Sections not Amended. All other sections of the Agreement shall remain in full force and effect.

Sec. 3. Authorization. If the amount of the original Agreement plus the amount of any amendments to the original Agreement total over \$400,000.00, then this amendment requires City Council or Park Board authorization. Notwithstanding the foregoing, City Council or Park Board authorization is not required if (1) the total amount of the original Agreement plus the amount of any amendments to the original Agreement are within ten percent (10%) of the maximum amount authorized by the City Council or the Park Board or (2) a previous ordinance or Resolution authorized amendments without further City Council or Park approval.

Sec. 4. Effectiveness Date. This amendment will become effective when the City's Director of Finance has signed it. The date this amendment is signed by the City's Director of Finance will be deemed the date of this amendment.

Each party is signing this amendment on the date stated opposite that party's signature.

Date: 1/13/23

DESIGN PROFESSIONAL

I hereby certify that I have authority to execute this document on behalf of Design Professional

By: [Signature]

Title: Vice President

Date: 1/13/2023

KANSAS CITY, MISSOURI

By: [Signature]

Title: Director of Aviation

DocuSigned by:
Patrick Klein
47CA99056B744A0...

Approved as to form:

DocuSigned by:
Charlotte Ferns
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Assistant City Attorney

I hereby certify that there is a balance, otherwise unencumbered, to the credit of the appropriation to which the foregoing expenditure is to be charged, and a cash balance, otherwise unencumbered, in the Treasury, to the credit of the fund from which payment is to be made, each sufficient to meet the obligation hereby incurred.

DocuSigned by:
Anne Kaps
99623FFA75F404... 2/2/2023

Director of Finance

Date