

**DESIGN PROFESSIONAL SERVICES
AMENDMENT NO. 1**

**PROJECT NO. 62200528 – LANDSIDE PAVEMENT DESIGN
KANSAS CITY INTERNATIONAL AIRPORT**

AVIATION DEPARTMENT

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, add the following sections:

6. ECONOMY LOT B REHABILITATION

A. Economy Lot B Rehabilitation Project Overview

1. This contract will consist of design, bidding, and construction phase services for the project to rehabilitate Economy Lot B at Kansas City International Airport.

B. Economy Lot B Rehabilitation Design Phase Services

1. The intent of the Economy Lot B Rehabilitation Design Phase is to provide the City of Kansas City Aviation Department a set of Contract Documents including Project Manual and Plans Sheets for bidding purposes on a construction project at Economy Lot B at Kansas City International Airport. The following is a summary of the major design phase components to be included as part of the Economy Lot B Rehabilitation design:

a. Kickoff and Site Investigation

- 1) Collection and evaluation of record and as-built drawings
- 2) Conduct Design Kickoff/Stakeholder Meeting (including preparation & distribution of meeting agenda and minutes)
- 3) Initial Site Visit & Evaluation to include full pavement surface investigation of Economy Lot B including documentation and categorization of visible pavement distresses
- 4) Partial Topographic survey (Trek) (at pedestrian walkways & bus stations for evaluation of ADA compliance)
- 5) Pavement Cores/ Geotechnical Investigation and Report (Pfefferkorn) for Economy Lot B (8 pavement cores/soil borings)

b. General Project Items

- 1) Design Submittals will be delivered to KCAD at 90% and 100% milestones
- 2) 90% Submittal shall include 90% Plans, 90% Technical Specifications, 90% Engineer's Opinion of Probable Cost and 90% Design Memo
- 3) Conduct 90% Design Review meeting (including preparation & distribution of meeting agenda and minutes)
- 4) 100% Submittal shall include sealed IFB Plans, IFB Front-End and Technical Specifications, Final Engineer's Opinion of Probable Cost and Final Design Memo

c. Site Work

1) The plan set will generally include the following components:

- a) Cover Sheet
- b) Index to Sheets/Summary of Quantities
- c) General Conditions/Site Notes
- d) Construction Phasing Plans
- e) Typical Sections & Details
- f) Demolition Plans
- g) Paving Plan
- h) Marking Plan and Details
- i) Signage Plan and Details
- j) Miscellaneous Details

C. Economy Lot B Rehabilitation Bidding Phase Services

1. Specific tasks for the Economy Lot B Rehabilitation Bidding Phase include the following:

- a. Attend the Pre-Bid Meeting and record Minutes
- b. Respond to contractor questions, requests for information and requests for clarification as necessary pertaining to the Construction Plans and Contract Document/Technical Specifications during the Bidding Phase
- c. Prepare and distribute contract Addenda as necessary
- d. Review contractor's qualifications and make recommendation of contract award to Sponsor

D. Economy Lot B Rehabilitation Design Submittals

A. NUMBER OF COPIES

The Consultant will submit deliverables to the Kansas City Aviation Department in the number of copies indicated below and in the format specified for each of the project elements.

(1) 90% Submittal

90% Technical Specifications	Electronic Copies (Word & PDF)
90% Plan Sets	6 half-size copies, PDF copy
90% Design Memo	6 copies, PDF copy

(2) 100% Submittal

Final Project Manual (signed and sealed)	Electronic Copies (Word & PDF)
Final Plan Sheets (signed and sealed)	6 half-size copies, PDF copy
Final Design Memo	6 copies, PDF copy

E. Economy Lot B Rehabilitation Construction Phase Services

1. Kickoff

- a. Conduct preconstruction conference, including agenda and minutes
- b. Review contractor shop drawings
- c. Prepare Construction Observation Program (COP)
- 2. Part-Time Construction Observation (Est. 140 Calendar Days)
 - a. Coordinate contractor schedule access and pavement closures
 - b. Review Pay Applications (Est. 6 pay apps)
 - c. Change Order Preparation (Est. 3 Change Orders)
 - d. Conduct Site Visits (Est. 1 per week)
 - e. Conduct bi-weekly Construction Progress Meetings (Est. 10 Meetings)
 - f. Conduct Pre-Paving Meetings
 - g. Respond to Field Issues throughout duration of project
 - h. Conduct final inspection meeting, assemble punchlist
 - i. Verify completion of punchlist
 - j. Construction Materials Testing (TSi)
- 3. Full-Time Construction Observation (Est. 5 weeks)
 - a. On-Site Observation for critical work items (HG Consult Est. 5 weeks)
- 4. Project Closeout
 - a. Prepare, print and deliver project record drawings

7. LANDSCAPING AND SIGNAGE IMPROVEMENTS

- A. Landscaping and Signage Improvements Project Overview
 - 1. The Kansas City Aviation Department (KCAD), through an IDIQ with the Crawford Murphy & Tilly (CMT) Team, would like to initiate a number of improvements at the new terminal including conceptual plans for updated signage and landscaping to create a uniform and cohesive look at the airport.
- B. Landscaping and Signage Conceptual Phase Services
 - 1. Meetings
 - a. Vireo will be available to participate in up to eight (8) face to face or eleven (11) virtual meetings, or a combination of those, to kick-off each deliverable, discuss and review Signage and Landscape Concepts with KCAD and other team members, review KCAD comments and coordinate with other team members. The following meetings are assumed:
 - 1) Sign Concepts at Mexico City Avenue – 2 meetings
 - 2) Sign and landscape concepts at Economy Parking – 2 meetings
 - 3) Sign and landscape concepts at Cookingham Drive – 4 meetings
 - 2. Sign Concepts
 - a. Concept Design
 - 1) Vireo will review the current sign inventory and add any additional existing signage to the inventory and review with KCAD. Vireo will work with KCAD to develop sign plans and concepts for signage including upgrades to current signs (reskinning) or completely new signs. The types include monument signage, directional signage and informational signs throughout the KCAD grounds. It is understood that when the new terminal opens

signage will need to be updated in order to direct people to and from the terminal, parking and rental cars. Designs will be submitted for review and revised for approval prior to moving forward into the next phase (Design Development). Areas of focus for sign concepts are as follows:

- a) Mexico City Avenue
- b) Cookingham Drive (I-29 flyover to Paris Street)
- c) Economy Parking Lots

3. Landscape Concepts

a. Concept Design

- 1) Vireo will work with KCAD to develop an overall landscape master plan which integrates with the new terminal landscape plan. The overall master plan for the KCAD grounds will include concepts for roadways, access points and open space as determined by KCAD. Particular areas of focus may include Cookingham Drive (I-29 flyover to Paris Street) and the Economy Parking lots. Designs will be submitted for review and revised for approval prior to moving forward into the next phase (Design Development).

4. Client-Furnished Information

a. It is understood that the Client will provide the following:

- 1) Site plans, survey and/or aerial photograph in AutoCAD format for the preparation of sign plans and landscape plans
- 2) Required civil, structural and electrical engineering, if needed
- 3) Any current landscape and/or signage master plans for the new terminal

8. **RE-DESIGN POST GATE 6**

A. Re-design Post Gate 6 Project Overview

- 1. This contract will consist of design, bidding, and construction phase services for the project to Re-Design Post Gate 6 at Kansas City International Airport.

B. Re-design Post Gate 6 Design Phase Services

- 2. The intent of the Re-Design Post Gate 6 Design Phase is to provide Kansas City Aviation Department a set of Contract Documents including Project Manual and Plans Sheets for bidding purposes on a construction project at Post Gate 6 at Kansas City International Airport. The following is a summary of the major design phase components to be included as part of the Re-Design Post Gate 6 design:

a. Kickoff and Site Investigation

- 1) Conduct Design Kickoff/Stakeholder Meeting (including preparation & distribution of meeting agenda and minutes)
- 2) Site Visit, plans-in-hand field check of final conceptual development
- 3) Full Topographic survey of prospective jobsite (Trek)
- 4) Pavement Cores/ Geotech Investigation and Report (TSi) for Post Gate 6 (5 pavement cores/soil borings, 4 vacuum utility daylight)

b. General Project Items

- 1) Design Submittals will be delivered to KCAD at 60%, 90% and 100% milestones
 - 2) 60% Submittal shall include 60% Plans, 60% Draft List of Technical Specifications, 60% Engineer's Opinion of Probable Cost and 60% Design Memo
 - 3) Conduct 60% Design Review meeting (including preparation & distribution of meeting agenda and minutes)
 - 4) 90% Submittal shall include 90% Plans, 90% Technical Specifications, 90% Engineer's Opinion of Probable Cost and 90% Design Memo
 - 5) Conduct 90% Design Review meeting (including preparation & distribution of meeting agenda and minutes)
 - 6) 100% Submittal shall include sealed IFB Plans, IFB Front-End and Technical Specifications, Final Engineer's Opinion of Probable Cost and Final Design Memo
- c. Site Work
- 1) The plan set will generally include the following components:
 - a) Cover Sheet
 - b) Index to Sheets/Summary of Quantities
 - c) General Conditions/Site Notes
 - d) Construction Phasing Plans
 - e) Demolition Plan
 - f) Layout Plan and Geometric
 - g) Typical Sections & Details
 - h) Grading and Drainage Plan and Details
 - i) Staking Plan
 - j) Jointing Plan and Details
 - k) Marking Plan and Details
 - l) Signage Plan and Details
 - m) Fencing Plan and Details
 - n) Erosion Control Plan and Details
 - o) Miscellaneous Details

C. Re-design Post Gate 6 Bidding Phase Services

1. Specific tasks for the Re-Design Post Gate 6 Bidding Phase include the following:
 - a. Attend the Pre-Bid Meeting and record Minutes.
 - b. Respond to contractor questions, requests for information and requests for clarification as necessary pertaining to the Construction Plans and Contract Document/Technical Specifications during the Bidding Phase.
 - c. Prepare and distribute contract Addenda as necessary
 - d. Review contractor's qualifications and make recommendation of contract award to Sponsor.

D. Re-design Post Gate 6 Design Submittals

B. NUMBER OF COPIES

The Consultant will submit deliverables to KCAD in the number of copies indicated below and in the format specified for each of the project elements.

(1) 60% Submittal

60% Plan Sets	6 half-size copies, PDF copy
60% Design Memo	6 copies, PDF copy

(2) 90% Submittal

90% Technical Specifications	Electronic Copies (Word & PDF)
90% Plan Sets	6 half-size copies, PDF copy
90% Design Memo	6 copies, PDF copy

(3) 100% Submittal

Final Project Manual (signed and sealed)	Electronic Copies (Word & PDF)
Final Plan Sheets (signed and sealed)	6 half-size copies, PDF copy
Final Design Memo	6 copies, PDF copy

E. Re-design Post Gate 6 Construction Phase Services

1. Kickoff

- a. Conduct preconstruction conference, including agenda and minutes
- b. Review contractor shop drawings
- c. Prepare Construction Observation Program (COP)

2. Part-Time Construction Observation (Est. 63 Calendar Days)

- a. Coordinate contractor schedule access and pavement closures
- b. Review Pay Applications (Est. 3 pay apps)
- c. Change Order Preparation (Est. 2 Change Orders)
- d. Conduct Site Visits (Est. 1 per week)
- e. Conduct bi-weekly Construction Progress Meetings (Est. 5 Meetings)
- f. Conduct Pre-Paving Meetings
- g. Respond to Field Issues throughout duration of project
- h. Conduct final inspection meeting, assemble punchlist
- i. Verify completion of punchlist
- j. Construction Materials Testing (TSi)

3. Project Closeout

- a. Prepare, print and deliver project record drawings

9. LANDSIDE STRUCTURAL REHABILITATION

A. Landside Structural Rehabilitation Project Overview

1. This project is to provide bridge and wall design/repair plans and specifications for six bridges including Bern Street, Paris Street, Rome Circle Entrance and Exit (Terminal B), Beirut Circle Entrance and Exit (Terminal C). Aesthetic enhancements will be added to the abutments of the Rome Circle and Beirut Circle Bridges. Additionally, aesthetic enhancement plans will be prepared for the walls adjacent to the Rome Circle and Beirut Circle Bridges. The Rome and Beirut Circle Bridges are curved concrete slab bridges. The Bern Street and Paris Street Bridges are concrete box girder bridges. The repair plans for all bridges and walls includes typical deck repair plans and details, miscellaneous substructure details and minor expansion joint cleanout details. The Rome Circle and Beirut Circle bridges also include a deck seal after repairs are completed.
- B. Landside Structural Rehabilitation Design Phase Services
 1. Field Assessment
 - a. The scope of services includes up to one week or a two person field assessment team to review existing bridge and wall data, assess the site, assemble repair notes, estimate quantities and perform spot confirmation of deck repair quantities based on prior inspection information to be provided by Kansas City Aviation Department. In depth inspection and quantification of deck repairs is not included in this scope of services. Deck repair quantities will be based on information from prior inspections. HDR will perform verification assessments only. No traffic control is included in this scope of services for completion of the field assessments included in this scope of services.
 - b. HDR will prepare a summary memo of repairs necessary for each bridge and submit to Kansas City Aviation Department for approval of repair scope and estimate of repair costs.
 2. Aesthetic Enhancement option
 - a. The scope of services includes concept development of a single aesthetic enhancement for the walls and abutment walls at the Rome Circle and Beirut Circle bridges. HDR will develop a single option described as a precast panelized covering system that is anchored to the face of the existing walls.
 3. Bern Street Bridge
 - a. Develop deck repair plans, substructure repair plans and expansion joint clean out plans.
 - b. Sheets:
 - 1) Typical Section, Notes & Quantities
 - 2) Substructure Repair Details
 - 3) Expansion Joint Cleanout Details
 - 4) Traffic Control (2 sheets)
 4. Paris Street Bridge
 - a. Develop deck repair plans, substructure repair plans and expansion joint clean out plans.
 - b. Sheet:
 - 1) Typical Section, Notes & Quantities

- 2) Substructure Repair Details
 - 3) Expansion Joint Cleanout Details
 - 4) Traffic Control (2 sheets)
- 5. Rome Circle Entrance Bridge
 - a. Develop deck repair plans, substructure repair plans and expansion joint clean out plans.
 - b. Sheets:
 - 1) Typical Section, Notes & Quantities
 - 2) Substructure Repair Details
 - 3) Abutment Aesthetic Enhancement Details
 - 4) Traffic Control (2 sheets)
- 6. Rome Circle Exit Bridge
 - a. Develop deck repair plans, substructure repair plans and expansion joint clean out plans.
 - b. Sheets:
 - 1) Typical Section, Notes & Quantities
 - 2) Substructure Repair Details
 - 3) Abutment Aesthetic Enhancement Details
 - 4) Traffic Control (2 sheets)
- 7. Beirut Circle Entrance Bridge
 - a. Develop deck repair plans, substructure repair plans and expansion joint clean out plans.
 - b. Sheets:
 - 1) Typical Section, Notes & Quantities
 - 2) Substructure Repair Details
 - 3) Abutment Aesthetic Enhancement Details
 - 4) Traffic Control (2 sheets)
- 8. Beirut Circle Exit Bridge
 - a. Develop deck repair plans, substructure repair plans and expansion joint clean out plans.
 - b. Sheets:
 - 1) Typical Section, Notes & Quantities
 - 2) Substructure Repair Details
 - 3) Abutment Aesthetic Enhancement Details
 - 4) Traffic Control (2 sheets)
- 9. Rome Circle South Wall
 - a. Develop deck repair plans and aesthetic enhancement plans and details.
 - b. Sheets:
 - 1) General Notes & Quantities
 - 2) Wall Plan & Elevation (2 Sheets)
 - 3) Typical Section & Aesthetic Enhancement Details
- 10. Rome Circle North Wall
 - a. Develop deck repair plans and aesthetic enhancement plans and details.

b. Sheets:

- 1) General Notes & Quantities
- 2) Wall Plan & Elevation (2 Sheets)
- 3) Typical Section & Aesthetic Enhancement Details

11. Beirut Circle South Wall

- a. Develop deck repair plans and aesthetic enhancement plans and details.

b. Sheets:

- 1) General Notes & Quantities
- 2) Wall Plan & Elevation (2 Sheets)
- 3) Typical Section & Aesthetic Enhancement Details

12. Beirut Circle North Wall

- a. Develop deck repair plans and aesthetic enhancement plans and details.

b. Sheets:

- 1) General Notes & Quantities
- 2) Wall Plan & Elevation (2 Sheets)
- 3) Typical Section & Aesthetic Enhancement Details

13. Preparation of Technical Specifications/Special Provisions

- a. Develop technical specifications/special provisions for pay items included in the bridge and wall plans sufficient to clarify construction requirements, materials, measurement and payment of the pay items. No front-end contract documents included.

14. Preparation of Engineer's Opinion of Probable Construction Cost

- a. Develop Engineer's Opinion of Probable Construction Cost for scope of construction and pay items included in this scope of services. Recent bids and unit prices in the region will be utilized as the basis of the estimate. HDR has no control of the bidding environment and cost of materials and labor at the time of bid and makes no warranties or guarantees regarding that bids will be at or below the Engineer's Opinion of Probable Construction Cost.

15. Quality Control and Quality Assurance

- a. Calculations and plan sheets will go thru a detail checking process by an engineer for accuracy and meeting design criteria established for the project. Deliverables for the project will be QC'd by a Senior Engineer familiar with plan deliverable requirements for KCAD, KCMO and MoDOT Bridge Standards. The Project Manager will confirm QC comments have been resolved and the HDR Quality process followed and documented.

16. Project Management

- a. The scope includes project management time for project set up and monthly monitoring of budget and schedule for the Project manager and the project accountant. Invoices will be prepared and submitted each month to KCMO.

- C. Landside Structural Rehabilitation Bidding Phase Services
1. The bidding phase services include attending pre-bid meeting, answering up to 5 bidding phase RFI's, attending the bid opening and compiling bid tabulation.

D. Landside Structural Rehabilitation Design Submittals

C. NUMBER OF COPIES

The Consultant will submit deliverables to KCAD in the number of copies indicated below and in the format specified for each of the project elements.

(1) 60% Submittal

60% Plan Sets	6 half-size copies, PDF copy
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(2) 100% Submittal

100% Plan Sets	6 half-size copies, PDF copy
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(3) PS&E Submittal

Final Project Specifications	Electronic Copies (Word & PDF)
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Final Plan Sheets (signed and sealed)	6 half-size copies, PDF copy
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Final Engineer's OPCC	6 copies, PDF copy
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E. Landside Structural Rehabilitation Construction Phase Services

1. Design Services During Construction

- a. The construction phase services will include the following design services by the design professional: Attending the pre-construction meeting, review of shop drawings, answering up to 8 construction phase RFI's or questions from the contractor. The scope of services also includes a final walk through meeting. No as-builts, design professional attendance at progress meetings, revised plans, change order processing, or pay applications are included.

2. Construction Observation (To be performed by HG Consult)

- a. Part time on-site construction observation services are included in this scope of services. The part-time observation is assumed to cover a construction schedule of up to 4 months, assuming a total of 70 hours per month for the construction observation engineer. The 70 hours per month will include the construction engineer attendance at progress meetings and on-site observation during key construction activities up to a maximum average of 70 hours/month for 4 months.

F. Landside Structural Rehabilitation Exclusions

1. The following list of services are excluded from this scope of services. Items not listed in the exclusions listed below are not included in the scope of services. This list of exclusions is not intended as a complete list of exclusions but is intended to clarify roles and responsibilities.
 - a. No sidewalk design or ADA considerations.
 - b. No aesthetics on the bridge barriers.

- c. No aesthetics on the Bern and Paris bridges.
- d. No structural re-design of the retaining walls.
- e. Not removing any portion of the retaining walls or abutments.
- f. No materials sampling or testing services included.

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 \$1,136,536.33, 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 this Amendment One (1).

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: _____

DESIGN PROFESSIONAL

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

By: _____

Title: _____

Date: _____

KANSAS CITY, MISSOURI

By: _____

Title: Director of Aviation

Approved as to form:

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.

Director of Finance

Date