

240949

DESIGN PROFESSIONAL SERVICES

AMENDMENT NO. EIGHT

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:

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

40. Landside Structural Bid Package #2

1. Landside Structural Rehabilitation Project Overview

This supplement to the original contract executed on January 28, 2021, is to provide engineering services for design and repair plans for two bridges carrying N Lisbon Ave over N. Manila St. The bridges are twin structures entirely within the Economy Parking complex. The intent of these plans is to combine the repair of these two bridges with the previously submitted plans to rehabilitate the bridges accessing decommissioned Terminals B & C (Bridge Package 2). In addition to the additional repair plans, this supplement includes additional project management to extend the project, including construction phase services, to the end of 2025. Also included are rate adjustments for the construction phase services to extend the project work to the end of 2025.

2. Task 1: Design, Plans and Specifications

A. Preparation of Plans

Develop bridge repair plans for each structure to include the following:

1. General Notes and Quantities
2. Deck Repair Details
3. Staging Details
4. Barrier and Curb Repair Details (Epoxy Injection, Partial curb replacement)
5. Traffic Control Plans (Estimate 3 sheets)
6. Guardrail Plan
7. Pavement Marking Plan

It is anticipated that MoDOT standard sheets and details will be used to develop these plans. Plan sheets will be developed using a modified MoDOT border with a cover sheet acceptable to the Kansas

City Department of Aviation.

B. Preparation of Technical Specifications/Special Provisions

Develop technical specifications/special provisions for pay items included in the Economy Lot Bridge repair plans sufficient to clarify construction requirements, materials, measurement and payment of the pay items. The previously submitted technical specifications for Bridge Package 2 shall be reviewed and updated for the additional specifications needed for this work. No other specifications are included in this scope of services.

Front end specifications will be prepared by CMT with assistance from HDR.

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

Develop Engineer's Opinion of Probable Construction Cost for scope of construction and pay items included in Economy Lot Bridge repairs. Update unit prices for the previously submitted Bridge Package 2. 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.

D. Quality Control and Quality Assurance

Calculations and plan sheets for Economy Lot Bridge repairs 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.

E. Project Management

The scope includes project management time for additional monitoring of project budget and schedule for the Project Manager and the project accountant. Invoices will be prepared and submitted to CMT for each month with project charges. The scope of services assumes the design project and additional construction services will be completed by December 2025.

3. Task 2: Bidding Phase

Bidding phase services will be combined with the re-bid of Bridge Package 2 except for possible additional contractor RFI's.

Three additional RFI's during bidding are assumed.

4. Task 3: Construction Phase Services

A. Design Services During Construction

Construction phase services will be combined with the re-bid of Bridge Package 2 except for possible additional contractor RFI's. Four additional RFI's during construction are assumed. It is assumed the status meetings and pay applications will be combined with the re-bid of Bridge Package 2 and are not included in this task.

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

Construction Observation will be fully contracted and administered between CMT and HG Consult. Construction Observation will be combined with Bridge Package 2.

5. Task 4: Bridge & Wall Package 2 Bidding, Construction Meetings and Pay Application Adjustment

At the request of the Kansas City Aviation Department, the bidding and construction of the previously submitted Bridge Package 2 rehabilitation work was adjusted to be done during the 2025 construction season (email communication on December 18, 2023). This work was originally scoped for the 2023 construction season (Amendment 5) then amended to extend for the full 2024 construction season (Amendment 6). This task adjusts the rates used to develop those previously scoped tasks for completion during the 2025 construction season.

Bidding phase services will include the re-bid of Bridge Package 2 and including the Economy Lot Bridge repairs. This includes attending the pre-bid meeting, answering up to 5 bidding phase RFI's, and compiling bid tabulation.

Revised construction duration is assumed to be the months of March through November 2025. Construction duration is approximately 41 weeks. 22 status meetings are assumed. HDR will prepare a rolling meeting agenda and meeting minutes with action items for each meeting.

The construction phase services will include the following design services by the HDR design professional: Attending pre-construction meeting, review shop drawings, answering up to 8 construction phase RFI's or questions from the contractor, attend bi-weekly construction meetings (up to 22 meetings) until the completion of construction for Bridge Package 2 and the Economy Lot Bridge repairs. The scope of services also includes a final walk-through meeting on site. No as-builts, revised plans or change order processing are included.

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 March through December 2025 (10 pay applications).

6. Landside Structural Rehabilitation Estimated Schedule

- Assumed Early Notice to Proceed – 9/13/2024
- 60% Plans Submittal – 10/16/2024
- 60% Plans Comments Returned – 10/21/2024
- Final Plans Submittal – 11/1/2024
- Assumed Letting – November 2024
- Assumed Construction Start – 3/1/2025
- Assumed completion of construction – 11/29/2025

7. Landside Structural Rehab Exclusions

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.

- No sidewalk design or ADA considerations.
- No bridge aesthetics.
- No street light replacement.
- No materials sampling or testing services included.
- No existing structural analysis or load ratings will be performed.
- No mapping of the deck patching is available. Quantities will be estimated based on best practices only.
- No substructure repairs are included.
- No bill of reinforcing will be included.
- No deck drainage analysis will be 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 \$3,450,971.57, 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 Amendment Six.
6. \$714,000.00 for the services performed by Design Professional under Amendment Seven.

