

WORK ORDER 25-02

This Work Order No. 25-02 is made as of this 6th day of May, 2025, under the terms and conditions established in the Master Agreement between Client and Professional Consultant dated January 23, 2024 (the “Master Services Agreement” between City of Bel Aire, Kansas (Client) and Professional Engineering Consultants, P.A. (PEC) and other provisions as established in Section E – Other Provisions of Work Order No. 24-07 dated October 9, 2024. Per the Master Services Agreement, this Work Order shall be incorporated into the Master Services Agreement by reference. Except to the extent modified herein, all terms and conditions of the Master Services Agreement and other provisions as established in Section E – Other Provisions of Work Order No. 24-07 shall continue in full force and effect.

A. Project Description:

1. The project shall consist of geotechnical and engineering design services for the Final Design and Construction Administration Phases of roadway and drainage improvements along Woodlawn Avenue from 37th Street North to 45th Street North, within the City of Bel Aire, Sedgwick County, Kansas.

B. Anticipated Project Schedule:

1. PEC shall commence its services on the Project within fourteen (14) days after receiving CLIENT’s notice to proceed.
2. PEC and CLIENT anticipate the design duration to complete the scope of services and provide preliminary plans and supporting documents will be approximately four (4) months after receiving the Notice to Proceed.
3. CLIENT acknowledges that directed changes, unforeseen conditions, and other delays may affect the completion of PEC’s services. Project deliverable schedules will be impacted by untimely receipt of information necessary to complete design. PEC will not have control over or responsibility for any CLIENT, contractor, or vendor’s performance schedule.
4. PEC and CLIENT agree execution of this Work Order acknowledges approval of the Concept Phase by the CLIENT.
5. PEC and CLIENT anticipate the bidding/negotiating referenced in Work Order No 24-07 to be accomplished by KDOT change order process. Work associated with soliciting bids outside of the KDOT change order process is not anticipated nor included in this scope of work.

C. Project Deliverables:

1. This Project Deliverables shall consist of the following sealed by an Engineer licensed in the State of Kansas where applicable:
 - a) Preliminary plans and supporting documents to the KDOT and the CLIENT and associated engineer’s opinion of probable cost in PDF format.
 - b) Final plans and supporting documents to the KDOT and the CLIENT and associated engineer’s opinion of probable cost in PDF format.

D. Scope of Services:

1. Engineering Design Services – Final Design Services:

- a) Provide project correspondence and consultation with CLIENT.
- b) Provide quality control review prior to submission of project deliverables.
- c) Prepare plans (and supplemental specifications if necessary) in accordance with the current design criteria of CLIENT and KDOT. Below are the anticipated items to be provided in the plans:
 - i. Demolition plans identifying pre-construction items to be removed for construction of the proposed improvements.
 - ii. Geometry plans for the proposed layout identifying the proposed improvements and project stake-out coordinates.
 - iii. Paving plans identifying the limits of the proposed paving improvements.
 - iv. Typical section (based on geotechnical report) that includes subgrade preparation and pavement thickness, including paving details.
 - v. Profile plans identifying the vertical grades of the proposed roadway improvements.
 - vi. Intersection detail plans, including jointing plans for proposed concrete pavement improvements.
 - vii. Grading plans for surface grades establishing proposed spot elevation and/or contours in the areas to be disturbed by construction, not otherwise detailed in paving and profile plans.
 - viii. Storm sewer plans and profile plans for proposed storm sewer improvements.
 - ix. Storm sewer details.
 - x. Subsurface underdrain plans for proposed subsurface underdrain improvements.
 - xi. Subsurface underdrain details.
 - xii. Summary of quantities plans.
 - xiii. Traffic control plans and details, including construction sequencing plans.
 - xiv. Roadway cross section plans depicting the pre-construction and design surfaces, along with proposed typical roadway pavement sections and proposed storm water sewer pipes.
- d) Attend design review meeting with the CLIENT to review the plans and be available to answer questions regarding the engineering design and plans.
- e) Notify CLIENT of any easements and right-of-way that may be needed in order to construct the improvements, if determined necessary during design.
- f) Advise CLIENT of any anticipated utility conflicts as identified during design.
- g) Propose a construction sequence for orderly construction of the PROJECT, if determined necessary during design. Coordinate construction sequencing with contractor as directed by the CLIENT.
- h) Attend and facilitate a maximum of two (2) design review meeting with the CLIENT to review the final plans and be available to answer questions regarding the engineering design and plans.

- i) As requested by the CLIENT, attend a maximum of five (5) meetings to discuss engineering design and plans with KDOT and/or the contractor.
- 2. Geotechnical Engineering Services:
 - a) Upon request by CLIENT or their representative, provide geotechnical staff on site during MKEC (or their subconsultant) field testing (maximum 16 hours).
 - b) Upon request by CLIENT, continue to gather monitoring well data (maximum 4 occurrences).
- 3. Construction Administration Services:
 - a) Attend and assist in facilitating a pre-bid meeting with CLIENT and contractor(s) to provide an overview of final plan documents.
 - b) Respond to contractor's requests for information during the bidding/pricing process.
 - c) Review Contractor's shop drawings/submittals for elements of work designed by PEC, upon written request of the CLIENT.
 - d) Make a maximum of ten (10) visits to the PROJECT site to determine Contractor's progress and general character of the work, upon written request of CLIENT.
 - e) Consult with the inspector regarding interpretations or clarifications of the plans and specifications.

E. Additional Responsibilities of CLIENT:

- 1. No Change to this section from Work Order No. 24-07.

F. Additional Services:

- 1. This work order includes adding paragraph F.1 Engineering Design Services-Final Design Services and F.2 Construction Administration Services. No other changes to this section from Work Order No. 24-07.

G. Exclusions:

- 1. No change to this section from Work Order No. 24-07.

H. PEC's Fees:

- 1. PEC's Fee for its Scope of Services in this Work Order will be for a lump sum fee of **\$322,500**, increasing the total for all work included in Work Order No. 24-07 and this Work Order to a lump sum fee of **\$591,000.00**.

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PROFESSIONAL ENGINEERING
CONSULTANTS, P.A.

Signature: _____

Printed Name: Benjamin M. Mabry, PE

Title: VP Municipal Transportation
Engineering

Date: _____

CITY OF BEL AIRE, KANSAS

Signature: _____

Printed Name: Jim Benage

Title: Mayor

Date: _____

APPROVED AS TO FORM ONLY

Maria A. Schrock, City Attorney