

EXHIBIT A
(SCOPE OF SERVICES)

1.1 Garver shall provide the following Services (Engineering Design)

Furnish engineering and technical services as required to develop the plans, supplemental specifications and estimates of the quantities of work for the PROJECT in accordance with design standards and in the format and detail required by the City of Bel Aire, Kansas, and as outlined in this Appendix. Plans will include the design of streets with incidental drainage, driveway and approach replacements on 45th Street North from approximately 150' west of Oliver to the west line of the current Woodlawn Improvements.

When authorized by the OWNER, proceed with development of plans for the PROJECT based on the preliminary design concepts approved by the OWNER.

1. Traffic Study: Garver will prepare a traffic study that verifies that a 3-lane roadway design will be adequate during design period of 20 years and provide intersection design recommendations (roundabout vs signalized vs stop sign controlled). Includes a traffic report summarizing findings and public involvement and stakeholder coordination.
 - a. Option A will be a limited study that uses prior traffic counts to perform growth analysis and will require a supplemental traffic count to be performed by the City of Bel Aire in early 2024 after Woodlawn is complete. No roundabout intersection analysis included.
 - b. Option B will be a detailed study using new traffic data obtained by The Traffic Group to provide information for evaluating signalized vs roundabout intersection, recommended decel lanes into neighborhoods, and corridor access management recommendations.
2. Concept Phase. Prepare preliminary design concepts for the OWNER or its designated representative prior to progressing to detail aspects of the work.
 - a. Option A will not include a roundabout option, will not investigate corridor management for lots fronting onto 45th and will be based on assumptions based on experience rather than data.
 - b. Option B will include the roundabout options, will use data from study to identify need for additional accel/decel lanes at intersections on project and concepts for development of empty spaces at west end of project for a gateway into the city.
3. Public Involvement: Work with City of Bel Aire to develop and implement public involvement plan during the preliminary concept stage through project bidding. Includes two council workshops, a virtual town hall and public meeting as well as City Council meeting updates through the design process.
 - a. In Option A, the virtual town hall is removed from this process and public input will be limited to identifying known drainage or access problems.
 - b. Option B would include the virtual town hall that would include a web page for detailed public feedback for major elements of the project.
4. Preliminary Design Plans. Preliminary Plans will be submitted for Field Check and Office Check and will include preliminary opinions of cost. Plans will include relocation of Bel Aire utilities and preliminary utility coordination. Landscaping plan concepts will be provided.
 - a. Option A would not include plans for the offsite pond near Trib. 7 and would not include options that would be investigated in Option B.
 - b. Option B includes all elements of the interview proposal.

5. Hydrology Design: Perform analysis of hydrology and hydraulics for the project, including storm sewer and culverts as necessary. Option A would not include coordination and design involved with the pond near Trib. 7 and would allow for fewer add/alternate considerations for project.
6. Final Plan Preparation. Preparation of Final Design Plans including opinions of cost, addressing prior plan comments, utility coordination, preparation of tract maps in coordination with survey staff and final QA/QC review.
7. Bidding Support Services: Assist City with PS&E review as well as assistance in putting the project out to bid.
8. Construction Support: Provide assistance during construction as necessary.
 - a. This scope item will be deleted if Garver is selected to provide CEI services.
9. Field Surveys. Provide engineering and technical personnel and equipment to obtain survey data as required for engineering design. Provide and/or reset project control and prepare tract maps for right of way and easement acquisition.
10. Soils and Foundation Investigations. When recommended by Garver, and/or requested by the OWNER, the OWNER shall direct an approved testing laboratory to perform subsurface borings and soils investigations for the PROJECT for the purpose of determining subgrade requirements, subsurface soil conditions or other investigations necessary for the design of the pavement.
11. Utility Coordination: Garver will work with existing utilities along corridor to identify known potential utility conflicts and, when authorized by the OWNER, provide prints of plans to each utility identifying the potential conflict locations. Includes meetings and the use of KDOT approved utility clearance documentation.
12. Project Deliverables
 - a. Deliver original plan tracings and specification originals to the OWNER.
 - b. Provide AutoCAD V. 2020 drawing files for the PROJECT to the OWNER.
13. Exceptions: Garver's scope of services does NOT include the following items:
 - a. Geotechnical Investigations
 - b. Hydroexcavation Services
 - c. Construction Phase Services except as outlined above.
 - d. Traffic Counting Services would be provided by the City in Option A.