

EXHIBIT A SCOPE OF SERVICES FIELD CHECK PHASE SERVICES

PROJECT OVERVIEW

The proposed project will provide for the reconstruction of 19th Street from the east curb return at Constant Avenue to the east curb return at Arkansas.

BASIC ENGINEERING DESIGN SERVICES (FIELD CHECK)

1. Provide field data collection including engineering design surveys, land surveys sufficient for the acquisition of right of way and easements, and known horizontal utility locations.
2. Provide pavement section and thickness design based upon the anticipated traffic and soil conditions as recommended by geotechnical engineer.
3. Evaluate traffic data provided by others to determine the required arrangement of lanes.
4. Design of the following complete street features
 - a. 6' sidewalk north and south
 - b. 6' bike lane north and south
5. Production of Field Check Plans only.
6. Coordinate with City staff, University of Kansas and utility companies as needed throughout the Field Check design phase of the project.
7. Prepare construction cost estimates at the Field Check Plan
8. Attend intermediate project meetings to review status and outstanding design items.
9. Provide internal (PEC) project management, planning and oversight necessary to ensure success of project.
10. Provide internal (PEC) Quality Control (Q/C) reviews at 50% design stage.

NON-BASIC ENGINEERING DESIGN SERVICES (FIELD CHECK)

1. Coordinate with Owner and Geotechnical Consultant to determine intervals and locations of geotechnical borings along the route.
2. Coordinate project design with concurrent design of the University of Kansas Central District Project.
3. Coordinate concept design of City of Lawrence water, wastewater, and/or stormwater improvements required for construction of this project.

CONSTRUCTION PHASE ENGINEERING SERVICES

Construction Phase Services are not included within the current scope of services. Scope and fees for these services will be negotiated at the time of Project Bidding.

SUPPLEMENTAL SERVICES

Any work requested by the Owner that is not included in the Basic Services will be classified as Supplemental Services. Supplemental Services shall include, but are not limited to the following.

1. Production of Right of Way Plans, Utility Plans, Office Check Plans, Final Plans, and Special Specifications as needed for bidding purposes.
2. Meet with utility companies to facilitate required relocations.
3. Design of street lighting.
4. Design of new traffic signal systems and/or existing traffic signal modifications.
5. Prepare construction cost estimates at the Office Check Plan, and Final Plan stages of the design project.
6. Preparation of Record Drawings.
7. Design of city water, wastewater, or stormwater utility systems.
8. Changes in the general scope, extent, or character of the project or its design, including but not limited to changes in size, complexity, Owner's schedule, character of construction or method of financing; and revising previously accepted studies, reports, or design documents when such revisions are required by changes in laws, regulations, ordinances, codes, or orders enacted subsequent to the preparation of such studies/reports/documents or design or due to any other causes beyond the ENGINEER's control.
9. Permitting application preparation including but not limited to: Division of Water Resources (DWR); Army Corps of Engineers (COE); Railroad; Wildlife & Parks; Historic Preservation; etc.
10. Preliminary Design Report, Master Planning, or computer/hydraulic system modeling for utility systems.
11. Collection of field survey data beyond the topographic surveys provided for in the Basic Services described above.
12. Machine or manual counting traffic data collection.
13. Services related to land use, Planning/Zoning Department requirements including but not limited to: platting; zoning; floodplains; annexation; etc.
14. Services related to hazardous materials.
15. Value engineering studies or evaluations.
16. Preparation of materials/exhibits for, and attendance at, Public Meetings/Hearings.
17. Detailed construction estimates and/or constructability reviews beyond those typically provided for in the Basic Services.
18. Geotechnical investigations beyond the general assistance provided for above. Owner to negotiate directly with Geotechnical consultant.
19. Site environment, Section 106 (or any other) Historic Preservation/archeological, wildlife habitat, or wetland assessments.
20. Easement development, strip map development, O&E report acquisition, and any field survey required for any necessary easements.
21. Property acquisition services.
22. Services related to project web sites and/or any other public information services.

- 23. Construction Phase Contract Administration, typically including: shop drawings; pay estimates; change order preparation; requests for information.
- 24. Resident Engineering and/or Construction Observation (Inspection) services.
- 25. Materials testing before, during, or after design and construction.
- 26. Any other need, currently unknown and not included in the Scope of Basic Services, that the Owner may designate.

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