



December 5, 2016

Mr. Peter Sewczwicz, PE
Director of Public Works
City of Alpharetta
1790 Hembree Road
Alpharetta, GA 30009

Re: Request for Proposal
Kimball Bridge Road West - Concept & Design
Westside Parkway to North Point Parkway

Dear Peter,

The following technical proposal and fee estimate is based on our meeting on November 17, 2016 at the City of Alpharetta. Based on our discussion, AECOM will perform the necessary activities to develop a concept and advance it through the final construction documents phase for the 1.1 mile section of Kimball Bridge Road from Westside Parkway to North Point Parkway. Both operational and capacity improvements will be evaluated. The concept and design phases needed for this project are further described later in this document. The bridge over GA-400 will be evaluated at a concept level; however, it will be excluded from the "design" phase for the time being until the Georgia Department of Transportation (GDOT) solidifies plans for future improvements to GA-400. The City will provide the plans from the Encore Bridge or will otherwise dictate the needed openings beneath the bridge that should be used for the concept evaluation.

Task 1 - Topographic & Property Survey

Landair will perform topographic and property survey for the corridor based on current industry standards. A control package will be provided based on City of Alpharetta standards. The survey will extend 50 feet outside the right of way along Kimball Bridge Road from Westside Parkway to North Point Parkway and include 300-feet along Westside Parkway in all directions and 100-feet down other side roads located in the project limits. The location of all trees within the established corridor and having a diameter greater than eight inches will be collected. The bridge over GA-400 will be surveyed in sufficient detail to allow for appropriate vertical clearance determinations. This data will be collected utilizing 3D terrestrial scanning methods. Properties will be resolved based on most recent deeds and tax maps. Approximately thirty-three (33) properties will be researched. Time estimated to complete the above survey activities is 10-12 weeks from notice-to-proceed.

Task 2 - Pavement Evaluation

United Consulting will perform a limited pavement evaluation for the project. A total of twelve (12) pavement cores will be taken along the project length. At each location, the existing asphalt pavement will be cored and the base material will be sampled. The results will be documented in a brief report. The report and field work will not be done to a GDOT-level of detail. Core holes will be backfilled with sackrete up to bottom of pavement; this will be compacted and the remainder filled with cold patch or quick-set concrete. The coring operation will likely require lane closures and two (2) days of maintenance of traffic at a total cost of \$2,000 have been included in the fee. If the City elects to provide traffic control through their Public Works Department, the total fee for the Pavement Evaluation can be reduced that amount. PACES survey and rutting test are excluded from the scope and fee.

Task 3 - Environmental Screening

Based on discussions with the City, this section of Kimball Bridge Road is on a ridge line and no stream or wetland impacts are anticipated; however, the City would like AECOM to conduct a stream and wetland screening to confirm this. Screening for other resources such as archaeology or history is excluded. If streams and/or wetlands are identified and impacted by the design such that permits are needed, the fee for the permitting efforts will be negotiated at that time.

Task 4 - Traffic Study & Design

Additional traffic counts will be collected along this section of Kimball Bridge Road and the data will be used to update the Kimball Bridge Road Corridor Study that was previously completed by AECOM in February 2016. A sim traffic model will be prepared on the final concept layout to relay the benefits of proposed improvements and to evaluate the final recommended geometry. The preparation of traffic signal plans needed for any modifications to existing signals will be included in this task as well. There are two existing signals within the project limits – at Westside Parkway and North Point Parkway. If the traffic study reveals the need for any new traffic signals, additional fee negotiations will be undertaken.

Task 5 – Utility Coordination

AECOM will coordinate with all utility owners within the project limits to identify and resolve potential conflicts between the proposed roadway improvements and any existing utility facilities. This process will begin early during the Preliminary Design Phase when plan sheets showing the project area will be submitted to each utility owner; this is commonly referred to as “first submission”. The owners will provide the locations of any facilities within the project limits for incorporation into the roadway construction plans. It generally takes 30-60 days to receive responses from all owners. Utility coordination will start back up again early in the Permitting Phase when the completed Preliminary Plans will be submitted to each utility owner again; this is commonly referred to as “second submission”. The utility owners will provide either “no conflict” statements or relocation plans resolving any conflicts. These relocations will be incorporated into the roadway construction plans. The second submission process typically takes 60-90 days to complete.

Task 6 – Lighting Design and Plans

Atlanta Consulting Engineers (ACE) will perform the lighting design for this project. Pedestrian lighting will be provided along Kimball Bridge Road from Westside Parkway to North Point Parkway. ACE will provide all lighting layout, electrical single line, and schematic drawings including all necessary lighting details with properly sized cables, conduits, and electrical equipment. The lighting standards will be type Granville Warm 2700 LED lights. ACE will also coordinate with the local utility owner(s) to provide power service for the lighting. A summary of lighting quantities will be provided as well. The lighting scope and fee assumes the City will provide the lighting placement in either AutoCad or Microstation format. ACE’s scope does not include performing a photometric analysis, any light placement or location adjustments, receptacles in the light poles, or construction phase services such as shop drawing review.

CONSTRUCTION DOCUMENTS

AECOM transportation design staff will prepare construction documents (CD’s) for the project which will include; cover, index, typical sections, quantities, construction layout, signing and marking plans, signal plans, staging plans, landscape plans, utility plans, cross sections, grading plans, drainage plans, standards and details and other plans generally required by GDOT’s PPG.

Task 7 - Concept Development Phase

AECOM will prepare and evaluate up to three different concept alternatives based on the results of the traffic analysis. Both operational and capacity improvements will be considered. In terms of capacity, the City anticipates a likely configuration of maintaining the two-lane section between Westside and Northwinds and potentially a widened four-lane section between Northwinds and North Point which is the primary movement; this will all need to be validated through the traffic analysis and concept evaluation. Reconstruction of the existing bridge over GA-400 to accommodate any additional lanes will be evaluated at the concept level; however, it will be excluded from the construction document/plans preparation phases as the City waits for GDOT to solidify plans for future improvements to GA-400. The City will provide their required opening widths which will be based on what was done for the Encore Bridge. No additional design work will be completed on the bridge beyond this phase. The final deliverable for the concept development phase will be a roll plot similar to what was done on the previous Kimball Bridge Project from North Point to Waters. The Concept Development phase will utilize GIS data provided by the City.

Task 8 - Concept Design Phase (30% Plans)

AECOM will use the survey provided by Landair to prepare 30% documents for review, comment, and council approval (if required). The Concept will be based on the selected concept alternative. Documents will include typical sections, plan sheets, profile sheets, and preliminary signing and marking sheets. If necessary, the bridge concept work completed in the previous phase will be validated during this phase based on the more accurate survey data, but otherwise the bridge work will be excluded from the 30% plans. An interim condition will be developed at each end of the bridge to tie the proposed widening into the existing bridge. AECOM will attend up to two (2) meetings with the City to review comments from the concept submittal.

Task 9 - Preliminary Engineering Phase (70% Plans)

AECOM will develop 70% construction documents for review by the City based on feedback from the concept submittal and meeting. The 70% plan submittal will include a complete set of documents and a preliminary cost estimate. AECOM will attend one meeting with the City to review comments from the 70% submittal. This submittal will also be used to provide value engineering prior to final document preparations. We will attend up to three (3) meetings with the City to review comments and discuss value engineering alternatives.

Task 10 – Right of Way Design & Plans

AECOM will develop a set of Right of Way Plans detailing all required right of way and easement data for the City's use during acquisition activities. At the City's discretion, the plans can be a stand-alone set or the information can be incorporated into the construction plan sheets. Approximately thirty-three parcels would be impacted by the proposed project. We are assuming revisions will be required for up to sixteen parcels. AECOM will attend one (1) meeting with the City to review comments on the Right of Way Plans.

Task 11 - Permitting Phase (90% Plans)

AECOM will incorporate City staff comments and approved value engineering alternatives into a 90% complete set of documents to submit to the City of Alpharetta and EPD for approval. AECOM will work closely with City staff to meet the City's permitting requirements to obtain a LDP Permit. Close coordination with City staff is included in order to assist in permitting the project. We will attend up to two (2) meeting with the City to review comments.

Coordination with GDOT for an encroachment permit is included in this phase as it may be necessary for the work in the vicinity of the GA-400 Bridge; this will depend on the width of the existing right of way along GA-400. The coordination efforts will follow the process spelled out in the GDOT Driveway and Encroachment Manual. The current version is dated March 15, 2015. Any substantial changes to the GDOT process that occur

before the coordination begins may require additional scope and fee negotiations. We are allowing for a seventy-five (75) day duration for the completion of this coordination which should accommodate the GDOT review periods. The timeline breaks down as follows:

30 days for initial GDOT review + 15 day comment turnaround + 15 day GDOT backcheck + 15 day contingency
= 75 day total

Task 12 - Final Construction Documents (100%)

AECOM will incorporate any remaining City comments into a final set of Construction Documents with associated specifications. The submittal will be prepared for construction bidding and implementation with an updated opinion of construction costs.

Excluded from the scope of services

The following items are excluded from the scope and fee.

- Design work on the bridge over GA-400 beyond the Concept Phase.
- Geotechnical Services (outside the paving cores)
- Pavement rehabilitation plan
- Structural Design for any needed walls or other structures
- GDOT/Federal Highway Approval (None Anticipated)
- NEPA services/documentation (None Anticipated)
- Architectural/building design (None Anticipated)
- Irrigation design
- Public meetings and council presentations (outside those scope above)
- Right-of-way acquisitions services
- Subsurface Utility Exploration (SUE) services are excluded, although conventional coordination with the utility owners has been included in the scope & fee.
- Construction Administration
- Advertisement of stakeholder meetings
- Facility rental costs
- Public surveys
- 3D animation or videos
- Entrance monument or fountain design
- Park design

Project Management

Will Sheehan, P.E. will be the project manager and point of contact for this project. Final Construction Documents are expected to be delivered approximately twelve (12) months after receipt of Notice to Proceed (NTP). This schedule assumes a four (4) month duration for the City-led right-of-way acquisition activities. A full project schedule including all tasks is appended to the end of this proposal. Project invoices will be submitted to the City on a monthly basis.

Project Fees

AECOM will provide the services outlined above for the lump sum fee shown below and itemized by task.

Task 1: Topographic & Property Survey	\$ 91,250
Task 2: Pavement Evaluation	\$ 12,000
Task 3: Environmental Screening	\$ 5,160
Task 4: Traffic Study & Design	\$ 44,095
Task 5: Utility Coordination	\$ 4,575
Task 6: Lighting Design & Plans	\$ 9,800
Task 7: Concept Development Phase	\$ 15,310
Task 8: Concept Design Phase	\$ 25,605
Task 9: Preliminary Engineering Phase (70% Plans)	\$ 97,560
Task 10: Right of Way Design & Plans Phase	\$ 16,165
Task 11: Permitting Phase (90% Plans)	\$ 69,580
Task 12: Final Construction Documents (100% Plans)	\$ 2,470

TOTAL LUMP SUM FEE \$ 393,570

We look forward to continuing quality work with the City of Alpharetta. Please feel free to contact Will Sheehan at 678.808.8962 or by email to william.sheehan@aecom.com should you have any questions.

Thank you.



Garrick Edwards, P.E.
Structural Engineer



Will Sheehan, P.E.
Roadway Engineer

