



February 24, 2021

Mr. Tim Begley, Public Works Director
City of Crossville, Tennessee
392 North Main Street
Crossville, TN 38555

Re: FY 2018 Transportation Alternatives Project (Downtown
Improvements Phase II PIN No. 126662.00)
CT Engineering Amendment for Lighting (CT No. 181048)

Dear Tim:

Per our recent conversation, I am following up regarding the Main Street TAP Grant Downtown Project. As you may recall, back in February 2019, we entered into an agreement with the City to prepare documents required for the installation of new sidewalks and pedestrian traffic signals along Main Street from approximately Neecham Street to Lantana Road. Further, at that time, it was anticipated that the previously TDOT approved lighting plans would be utilized for the installation of the new street lighting. However, due to recent TDOT review comments, the lighting design will need to be revised to address current TDOT requirements and design comments. As such, we are requesting an amendment to cover the fees associated with the needed revisions in accordance with the following:

Scope of Services

Provide revised construction documents for the Street Lighting system along South Main Street, between Lantana Road and Neecham Street based on revising the current Electrical drawings (Lighting and Photometric).

Preliminary Design Service – Option 1 (Existing Fixture)

1. Provide updated photometric calculations based on the following:
 - a. Utilize existing light pole locations as currently designed.
 - b. Utilize existing light fixture/pole as currently designed.

Preliminary Design Service – Option 2 (Alternate Fixture)

2. Provide photometric calculations based on the following:
 - a. Utilize existing light pole locations as currently designed.
 - b. Propose alternate light fixture for City review and approval.
 - c. Determine adequate wattage/distribution based on existing spacing to meet AASHTO recommended light levels.

Design Service

3. Provide revised "EP" drawings (Electrical Photometric), based on the updated photometric calculations, for submittal to TDOT for review and comment.
 - a. Fee includes one (1) revision based on TDOT comments.
4. Provide revised street lighting system design to include the following:



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- a. If existing fixture/pole is used: details, schedules, and specifications will remain as currently designed.
- b. If fixture/pole is to be revised: details, schedules, and specifications will be updated to match proposed & approved fixture/pole.
- c. Existing lighting control design & location to remain as currently designed.
- d. Existing conduit and wiring to remain as currently designed.
- e. Update details to indicate delineation of Contractor vs City scope of work.
- f. Update pole base based on TDOT standard foundations.
- g. Update electrical item numbers to match current TDOT standards item numbers.

Design Services

1. Provide design services based on the scope of work, listed above.
2. Virtual meetings and finalize details needed to develop and coordinate construction drawing (Electrical design with Site design).
3. Develop revised Electrical design drawings and specifications for bidding purposes.
4. Revise quantities and update opinion of probably cost spreadsheet.

Bidding Phase Services

1. Assist in responding to questions from bidder's during the bid phase.
2. Assist in final evaluation of street lighting Bid's upon request.

Optional Site Visit (as requested)

1. Site visit(s) and/or Electrical Field Observation Report(s), prior to Owner occupancy, or as requested.
2. Travel related expenses will be charged as cost and time will be invoiced hourly.

Items Not Included in Above Services:

Services for items not included can be provided as an Additional Service at our hourly rate, or at an agreed upon fee. These Services shall include, but are not limited to the following:

1. Construction Administration services.
 - a. Shop drawing/submittals review and approval for all items specified by our office for conformance with the contract documents.
 - b. On-site observation at substantial completion to perform the final punch list. Additional progress field reports can be provided as an additional service.
 - c. Respond to Requests for Information (RFI) during construction.
2. Additional photometric calculations and fixture evaluations beyond base design.
3. Additional submissions to TDOT beyond that described within base service.
4. On-site visits with field reports unless specifically requested.
5. Attendance at construction meetings (beyond those stated above).
6. Periodic Field Observation reports.
7. Design services associated with cost reduction proposals after completion of the design.



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8. Design services associated with project scope changes after completion of the design.
9. Reproductions charges associated with bid drawings/specifications.
10. Engineering services associated with system commissioning or testing.
11. Preparation of "as-built" drawings unless separately authorized and negotiated.

Fee Schedule:

Preliminary Design Service – Option 1 (Existing Fixture)	\$3,000 Hourly (Not To Exceed)
Preliminary Design Service – Option 2 (Alternate Fixture)	\$7,500 Hourly (Not to Exceed)
Design Services	\$15,000 Hourly (Not to Exceed)
Bidding Phase Services	\$3,000 Hourly (Not to Exceed)
Project Fee Total (Option 1)	\$21,000.00
Project Fee Total (Option 2)	\$25,500.00

Additional Services (if requested) will be provided at hourly rates.

Again, CT is very pleased to continue working with the City of Crossville on this Downtown Project. Upon review, please call me at 615-349-4025 or by email at jgoliias@ctconsultants.com to discuss any questions you may have. If acceptable, please sign the bottom of this letter and provide us with an executed copy.

Authorization for approval for this Amendment No. 1 and Authorization to Proceed in accordance with the terms and conditions of the original signed Contract and Agreement.

Owner

Date

Respectfully,

CT Consultants, Inc.

James G. Goliias II, P.E.
Regional Manager