



ROBERTS CIVIL ENGINEERING

St Simons Island | Savannah | Jacksonville | Charleston
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Additional Work Authorization TSPLOST Intersections Lighting Design Effingham County, GA

On this ___ day of _____, 2023 the services below are proposed in addition to the executed Contract Agreement between **Effingham County** and **Roberts Civil Engineering, LLC** dated December 7th, 2021. All terms of the aforementioned Contract Agreement shall remain in effect for all work.

1. Lighting Design Task Order

Additional Work Requested \$ 178,700.00

***Delivery of Work requested as follows:**

We understand that currently there are a total of eight (8) roundabouts/intersections which are requested to include lighting, most of which are local but two (2) of which are along State Routes and will require the full GDOT PDP, review, etc.

Per our conversation, we can provide the lighting design for the roundabouts to include the following services:

- Project management and coordination with other design aspects (throughout design process)
- Identify potential utility conflicts and necessary clearances related to lighting(throughout design process)
- Set up AGI32 files (lighting calculation software)
- Develop photometric calculations for three luminaire alternatives, including roundabout, vertical illuminance at each crosswalk and approach lighting as necessary.
- Set up and develop lighting sheets for delivery to County (and GDOT, if necessary)
- Finalize and submit final photometric calculations for review and approval
- Work with local utility company to determine electrical service point
- Develop conduit and cable plan
- Perform voltage drop calculations
- Develop preliminary plans
- Incorporate plan revisions as necessary
- Develop final plan sheets
- Develop construction details, including foundation details, single line diagrams, etc.
- Develop special provisions as necessary

For these services, we respectfully request a lump sum fee of \$140,000.00 for the design and delivery of a biddable set of plans for all eight (8) roundabouts/intersections with an HNTE fee estimated of \$38,700. For any roundabout which is removed from the scope of work, or lighting design not needed we can expect to reduce the fee lump sum fee by \$15,000 per roundabout. We understand that time is of the essence on these roundabout designs and will work with your team to ensure any deadlines are met as quickly and reasonably as possible.

****Note:** Proposed NTE Fee encompasses the Civil Engineering Services through the duration of the project. Hourly Services budgeted under this contract but not performed will not be charged.

Contract Budget not to Exceed: \$178,700

IN WITNESS WHEREOF the Parties hereto have caused this agreement to be executed as of the day and year first above written.

ENGINEER:

By: Johnathan Roberts
For: Roberts Civil Engineering, LLC
Its: Professional Engineer



CLIENT:

By: _____
For: _____
Its: _____