

The scope of work is presented in the following elements.

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I. Project Descriptions

Balch/Browns Ferry Road Roundabout

Project Description: The proposed project will include the construction of a new Roundabout at the intersection of Balch Road and Browns Ferry Road near Mill Creek in the City of Madison. In general, the current scope of work proposed by Barge for this project includes field survey, traffic analysis, preparation of roadway plans (including lighting and landscaping), and right-of-way documentation for the above improvements. This Modification 1 is for the additional scope of a No-Rise Certification for the project as described.

II. Scope of Services

Barge Design Solutions, Inc. (Barge) proposes to provide professional services for the preparation of a No-Rise Certification for the proposed road improvements on Browns Ferry Road over Mill Creek just west of Madison, Alabama using the USACE HEC-RAS modeling software.

A: No-Rise Certification approach

- 1. Obtain the effective Federal Emergency Management Agency (FEMA) models for Mill Creek.
- 2. Prepare Duplicate Effective and Corrected Effective Models.
- 3. Create the Existing Conditions Model using the subconsultants topographic survey.
- 4. Prepare No-Rise documentation and submit it to the City of Madison’s community floodplain administrator.
- 5. Address one round of comments from the community floodplain administrator and finalize the No-Rise Certification.

III. Additional Services

Barge proposes miscellaneous support services, if needed, including utility coordination,

utility relocation design, negotiations, environmental services, and other services as requested by the City.

If additional services beyond the tasks outlined in Section II are required, this work can be completed utilizing the rates provided in the attached proposal.

IV. Project Understandings, Assumptions, and Exclusions

- A. Barge will provide the above-noted services based upon a given set of assumptions. These assumptions are as follows:
 - 1. The location of the proposed work will be between the stream crossings at Browns Ferry Road and Balch Road and will not change.
 - 2. Barge will address one round of comments provided by the City of Madison.
 - 3. Review fees (if any) will be paid by the Client.
 - 4. Any additional field survey data required will be provided by the Client.
 - 5. The cost for preparing a Conditional Letter of Map Revision (CLOMR) or Letter of Map Revision (LOMR) is not included in this proposal.

V. Time of Performance

Barge is prepared to begin work within one (1) week upon receipt of a signed professional services agreement or written authorization to proceed. Upon receipt of the authorization to proceed, Barge will furnish a schedule to the City.

VI. Client's Responsibilities

Barge strives to work closely with our clients. In order for the project team to function efficiently, certain information is needed to be provided by the Client and other interested stakeholders in a timely manner. These items and responsibilities are noted below.

- A. Provide information as required to support development of Barge's scope, as required in the project agreement for services.
- B. Provide review comments in a timely manner.
- C. Provide single point of contact for project coordination purposes.

VII. Deliverables

Barge will provide the finalized No-Rise Certification package which will include a report in pdf format and HEC-RAS files.

VIII. Compensation

Fee Summary Table

Items	Fee Type	Fee Amount
No-Rise Certification	Lump Sum	\$17,500
Total	LS	\$17,500