



### Scope of Services

The City of Madison desires to widen and improve Bradley Street from its intersection with Short Street to its intersection with Sullivan Street. The road improvements will closely match the improvements recently completed along Short Street and will include new roadway construction, curb and gutter, sidewalk, and street lighting. The project location is generally shown below:



*Project Area*

### Surveying Services

Croy will provide site topography for the anticipated design area shown below. Croy will collect observed, above-ground features within this area and marked underground utilities (as per AL811 locate request and coordination with Madison Utilities, Huntsville Utilities, and North Alabama Gas). Existing, buried potable water, sanitary sewer, and natural gas lines, if present along Bradley Street only, will be located following subconsultant efforts to identify and uncover, as applicable. Potholing existing utilities along Sullivan Street or other roadways will be considered Additional Services. Elevation contours of the existing ground surface will be generated at one-foot intervals. Croy will generate a digital CAD file for in-house design use.



*Topography Surveying Limits*

Croy will research available information and perform field surveying efforts to depict existing public rights-of-way and property lines within the area shown below. Croy will prepare tract sketches depicting required right-of-way or easement acquisition for all parcels impacted by the project. Proposed rights-of-way and easement boundaries will be coordinated with the project design file and with City of Madison staff prior to finalization. Upon acceptance of the proposed acquisition limits by the City, Croy will prepare legal descriptions to support acquisition efforts. Property acquisition efforts will be completed by the City of Madison. Revisions to prepared acquisition documents as requested by the City of Madison will be considered Additional Services.



*ROW/Parcel Surveying Limits*

#### Geotechnical Engineering Services

Croy will utilize GTEC to provide geotechnical engineering services related to soil boring and analysis, pavement cross section recommendations, and retaining wall design. Please reference the attached proposal for details of the scope of services included.

#### Design and Construction Documents

Croy will prepare construction plans for the proposed improvements. Construction plan sheets will include, but are not limited to: existing conditions, geometric layout, grading, drainage, utility relocation, lighting, striping, erosion control, traffic control, roadway and sanitary sewer profiles, roadway cross sections, and applicable construction details.

Croy will conduct a pre-design project kickoff meeting with appropriate City of Madison staff prior to commencing design efforts. Croy will conduct a 30% review meeting with Madison staff following the completion of site surveying and development of a draft project layout. Croy will conduct 60% and 90% design progress meetings at the respective design intervals. Croy will coordinate with Madison Utilities, Huntsville Utilities, and other known utility providers related to existing and proposed infrastructure. Croy will provide completed construction plans to the City for advertising and bidding following the completion of the construction plans.

Croy will prepare an Opinion of Probable Construction Cost (OPCC) at the 30% and 90% project review stages and review the information at the respective design meetings. Croy will prepare a Summary of Quantities and final OPCC and deliver with the completed construction plans.

Construction plans will include:

1. Bradley Street widening to include two-11' lanes, curb and gutter, and street lighting.
2. 5' sidewalk along north side of Bradley Street.

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3. 5' sidewalk along south side of Bradley Street from Short Street to anticipated restaurant site.
4. 10' pedestrian walk from Garner Street parking lot to intersection of Bradley Street and Short Street
5. Track sketches indicating existing and proposed right-of-way and/or easement acquisition; legal descriptions will be provided for each.
6. Geotechnical engineering report for proposed retaining wall adjacent to existing retail building (to match existing design) and proposed pavement structure.
7. Electrical engineering design as related to street lighting and underground electric service transmission.
8. Water and sanitary sewer relocation design, as applicable.

#### Bid Assistance Services

Croy will attend a pre-bid meeting, if held, and will respond to questions from plan holders throughout the duration of the advertisement period. Croy will attend the Bid Opening, review submitted Bids, and provide a Recommendation of Award for the City of Madison's consideration. Croy will attend the City of Madison Council meeting at which the construction contract is to be awarded. Services requested following the award of the construction contract will be considered Additional Services. Services described above for additional advertisement periods shall be considered Additional Services.

#### **Additional Services**

The following services are excluded from the Scope of Services and are considered Additional Services:

1. Services resulting from significant changes in the scope, extent, or character of the portions of the Project designed or specified by Engineer or the Engineer's Sub-Consultants.
2. Services required as a result of Client's providing incomplete or incorrect project information.
3. Surveying services outside the indicted limits/areas.
4. Physical location of existing utilities outside of the existing Bradley Street right-of-way.
5. Revisions to prepared ROW acquisition documents.
6. ROW acquisition services.
7. Bid Assistance Services for more than one (1) project advertisement period.
8. Construction administration services or services following award of construction contract.

**Fees for Additional Service:** The fees for additional services, upon request and authorization to provide by the Owner, will be billed at Croy's standard hourly rates or at a negotiated lump sum amount.



### Summary of Fees

Description	Type	Fee
Surveying Services	Lump Sum	\$40,680
Geotechnical Engineering Services	Lump Sum	\$19,100
Design and Construction Documents	Lump Sum	\$114,400
Bid Assistance Services	Hourly, Not To Exceed	\$4,760
<b>TOTAL FEE</b>		<b>\$178,940</b>

### Proposed Schedule

The Engineer is available to begin services within two (2) weeks from the Client's authorization to proceed. The Engineer anticipates completion of the described Scope of Services within four (4) months from the commencement of services. *Note: Schedule durations are estimated based on the authorization of services on the date of this Proposal and are subject to change due to Engineer's workload at the time of authorization to proceed.*