

**RESOLUTION 14-26**

**A RESOLUTION TO AUTHORIZE FUNDING FOR  
BUCKNER LANE PLANNING STUDY**

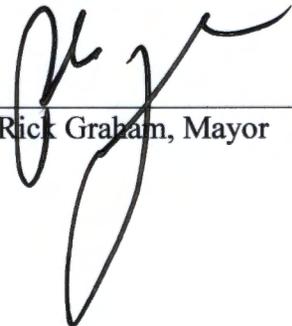
**WHEREAS**, it has been determined that Buckner Lane needs to be studied in order to understand the impacts of widening the road in the future; and

**WHEREAS**, the City of Spring Hill approved this project in the 2013-2014 budget; and

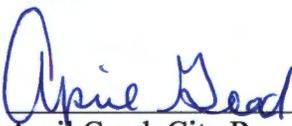
**WHEREAS**, the City selected ICA Engineering to perform the work through an RFQ process; and

**NOW, THEREFORE BE IT RESOLVED**, that the City of Spring Hill authorizes ICA Engineering to complete the Buckner Lane Study at a cost of \$68,230.00.

**Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 17<sup>th</sup> day of March, 2013.**

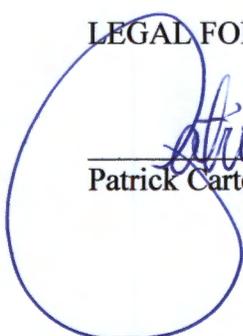
  
\_\_\_\_\_  
Rick Graham, Mayor

ATTEST:

  
\_\_\_\_\_  
April Goad, City Recorder

LEGAL FORM APPROVED:

  
\_\_\_\_\_  
Patrick Carter, City Attorney





**SUBJECT: Scope of Services for Major Thoroughfare Plan Update**

**SUBMITTED BY: Victor Lay, City Administrator  
Dan Allen, Assistant City Administrator  
Paul Keltner, Planning Director**

**DATE: February 21, 2014**

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**PURPOSE:**

The purpose of this memorandum is to advise the Board of Mayor and Aldermen on the internal scope of work to be used to update the Major Thoroughfare Plan (MTP).

**BACKGROUND:**

The Spring Hill MTP, which was adopted in October 2007, needs to be updated. Numerous new developments have been built and the pace of development has continued to be robust even with a national recession occurring.

During the February Transportation Advisory Committee Meeting, staff was providing an update based on the planned scope of work as detailed below. Both Alderman Duda and Alderman Whittenburg expressed concern regarding the scope of the project. Alderman Duda expressed concern that the update would be a bare minimum plan, and desires to have something more robust to assist the Planning Commission with obtaining ROW for future roads as well as assistance from developers in building roads listed on the MTP.

A special called meeting was requested by the members of the TAC for Monday, March 3<sup>rd</sup>, to discuss the scope of work and allow the TAC to provide their input on the current progress made towards updating the existing MTP. This memo has been provided per the TAC members request to facilitate further discussion on the MTP.

The following scope of work details the plan staff have been following to complete this project in-house.



### Major Task Items to be Completed:

- Gather Updated Traffic Counts at Key Locations throughout the City (Counts complete)
- Update Future Land Use Plan Exhibits (In progress)
- Update Functional Classifications of Roadways
- Update Existing Level of Service (LOS) and prepare exhibit
- Prepare two (2) future scenario exhibits for consideration:
  - Growing to the East and developing additional interchanges on I-65 (draft sketch complete)
  - Focusing on US-31 and developing additional connectivity/bypasses (In progress)
- Identify Key Corridors and establish ROW requirements for future widening projects
- Update Roadway Cross-Sections for each type of facility
- Conduct at least one (1) Public Meeting to gather feedback from the community
- Present MTP Update at one (1) BOMA Worksession and Voting Meeting
- Present MTP Update at one (1) Planning Commission Worksession and one (1) Voting Meeting for Final Approval and Adoption

### **FINANCIAL IMPACT:**

Staff can provide the professional services for this work in-house at no cost. There will be minimal supply costs for preparation of materials for public meetings.

## **Scope of Work**

Below is a detailed outline of the scope of services to be provided by ICA Engineering (Consultant) to the City of Spring Hill (City) for a technical study that will evaluate the feasibility and costs associated with widening Buckner Lane from two (2) to five (5) lanes from Duplex Road to Thompson Station Road. The study will evaluate two primary options: symmetric widening of the existing roadway and asymmetric widening of the existing roadway. Both options will explore pedestrian and bicycle accommodations along the segment. This shall include examining the costs and impacts associated with the installation of a sidewalk, multi-use path, or greenway.

ICA Engineering will utilize the recommendations and impacts from the following plans/studies in the preparation of this study:

- Thompson Station Road Interchange Access Request (IAR)
- City of Spring Hill Park and Recreation Plan

The City will provide the Consultant with the following information for preparation of the study:

- Traffic data
- Survey data
- City owned utility data
- Thompson Station Road IAR
- Current zoning and density data
- Survey data (LIDAR)

The scope does not provide for the collection of survey data by the Consultant for the study. The detailed scope of services to be performed by the Consultant is described below:

### **1. PROJECT MANAGEMENT**

- a. Appropriate data will be collected, including traffic data, crash data, aerial photography, utility information, and environmental screening data
- b. General project management.
- c. All data will be assimilated and a work plan will be developed.

### **2. SITE VISIT**

- a. A site visit will be performed to investigate site conditions and to evaluate options in the field.

### **3. PREPARE DRAFT REPORT**

- a. Existing Conditions
  - i. Evaluate the existing roadway conditions.
  - ii. Evaluate the site conditions of the area adjacent to the roadway segment.
  - iii. Determine any socially and environmentally sensitive areas within the project area through a desktop scan.
- b. Traffic Conditions/Operational Analysis
  - i. Determine the base year (2015) and design year (2035) traffic conditions based on historic traffic data for the study segment and major intersections within the study area.
  - ii. Determine traffic volume impact along the study segment using data from the Thompson Station Road IAR.
  - iii. Conduct an operational analysis of the roadway segments and major intersections within the study area for both the existing (no build) condition and the improvement options.
- c. Assessment of Improvement Options
  - i. Prepare a conceptual design of each improvement option including horizontal geometry, vertical geometry, drainage, bicycle accommodations, and pedestrian accommodations.
  - ii. Prepare improvement options to major intersections along the study segment.
  - iii. Assess the utility and Right of Way impacts associated with the improvements.
  - iv. Coordinate with the City to determine anticipated life cycle maintenance activities. Twenty (20) years will be used for determination of maintenance activities, unless otherwise instructed by the City.
  - v. Estimate the construction cost and maintenance costs associated with the improvements for each option.
- d. A preliminary report will be prepared and submitted to the City for comment.

### **4. PRESENTATION/PUBLIC INVOLVEMENT**

- a. Preparation for and attendance of a public hearing for feedback from stakeholders. Preparation will include, at a minimum, creation of foam board displays of the proposed improvements.
- b. Incorporate revisions to study resulting from stakeholder comments.
- c. Preparation for and attendance of a public hearing for public comment showing incorporated revisions. Preparation will include, at a minimum, creation of foam board displays of the proposed improvements.
- d. Preparation for and presentation of the study findings to the City TAC.
- e. Preparation for and presentation of the study findings to BOMA.

### **5. FINALIZE REPORT**

- a. The Consultant will address any City comments and submit a final report in hardcopy and PDF format.



**6. PROJECT DELIVERABLES**

- a. Technical study including conceptual layouts, cost estimates, and operational analysis.
- b. Foam board display of the proposed improvements for the first public hearing.
- c. Foam board display of the proposed improvements for the second public hearing.

**Compensation**

The cost to complete the scope of work as detailed above is \$64,000. Any work other than that listed in the scope shall be subject to additional compensation.

**Schedule**

The Consultant agrees to provide reasonable resources for performance of the Consultant's services within a time commensurate with that exercised by members of the same profession currently practicing under similar circumstances. The City and Consultant are aware that many factors outside of the Consultant's control may affect the Consultant's ability to complete the services.