

RESOLUTION 21-55

A RESOLUTION TO APPROVE AMENDMENT NO. 5 FOR PROFESSIONAL SERVICES AGREEMENT WITH KIMLEY-HORN FOR THE BUCKNER LANE WIDENING PROJECT

WHEREAS, the City of Spring Hill Board of Mayor and Aldermen approved the professional services agreement with Kimley-Horn for design services for the Buckner Lane Widening Project (“Project”) with Resolution 19-191; and

WHEREAS, it has been determined that additional services are needed regarding traffic analysis, surveying and meeting attendance for the northern and southern segments; and

WHEREAS, Kimley-Horn has submitted Amendment No. 5 in the amount of \$46,800.00:

- Traffic analysis – southern segment intersections at Sakari Circle, Nealcrest Circle North and Nealcrest Circle South (lump sum) - \$14,800.00
- Subsurface mapping – five (5) subsurface septic system location and mapping services (as needed) - \$5,500.00
- Meetings – ten (10) meetings requiring consultants’ participation (as needed) - \$26,500.00; and

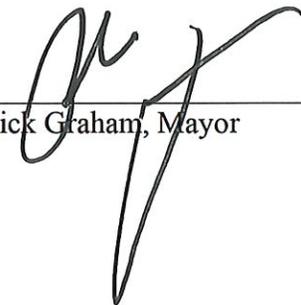
WHEREAS, funding for the amendment would be from the design contingency that was established with the professional services agreement with the available balance of which is \$206,150.00; and

WHEREAS, City staff recommends approval of Amendment No. 5 with Kimley-Horn for additional design services in the not-to-exceed amount of \$46,800.00 to be paid from the design contingency.

NOW, THEREFORE BE IT RESOLVED, the City of Spring Hill Board of Mayor and Aldermen:

1. Approve Amendment No. 5 attached hereto with Kimley-Horn for additional design services for the Buckner Lane widening project at a not-to-exceed amount of \$46,800.00.
2. Authorize the Mayor to sign the amendment attached hereto.

Passed and Adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 19th day of April, 2021.



Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney



REQUEST: *Approval of Resolution 21-55*
SUBMITTED BY: Missy Stahl, CIP Manager
DATE: April 5, 2021
RE: To approve Amendment No. 5 with Kimley-Horn for additional design work for the Buckner Lane Widening Project and to authorize the Mayor to sign the amendment
ATTACHMENTS: Amendment No. 5

PURPOSE:

The purpose of this resolution is to approve Amendment No. 5 in the amount of **\$46,800.00** with Kimley-Horn for additional design work for the northern and southern segment of the Buckner Lane widening project and authorize the Mayor to execute the amendment.

BACKGROUND:

The City of Spring Hill currently has a professional services agreement with Kimley-Horn for design services and right-of-way acquisition services for the Buckner Lane widening project, as approved by Resolution 19-191. As design services have progressed, it has been determined that additional services are needed.

- Traffic analysis – The proposed plans depict center medians at the intersections of Buckner Lane/Sakari Circle and Buckner Lane/Nealcrest Circle North, allowing only right-in/right-out turn movements. Several citizens voiced their concerns about the design as the public meeting on the south segment and at the March TAC meeting. TAC asked Kimley-Horn to perform more detailed traffic analysis at these locations to determine if the center medians are needed at either or both intersections as proposed. Cost for the additional traffic analysis is \$14,800.00.
- Subsurface mapping – During the appraisals, it has been determined that some of the houses have septic systems that may be impacted by the widening project. Kimley-Horn would contract with a subconsultant to locate these systems and provide mapping locations to avoid a future problem with unknown locations.



The amendment would provide for up to five (5) location mappings but would only be utilized on as-needed basis. Cost for the subsurface mapping is \$5,500.00.

- Consultant meetings – The original contract including consultant meetings. However, as the consultants are attending more meetings, the amendment would add an additional ten (10) meetings for two consultants in attendance (or 20 meetings with one consultant in attendance). The City would only be billed as the meetings are attended. Cost for the consultant meetings is \$26,500.00.

Kimley-Horn has submitted Amendment No. 5 with a proposed not-to-exceed cost of **\$46,800.00** for the additional design services needed for the project.

FINANCIAL IMPACT:

Amendment No. 5 would be funded through the Adequate Facilities Tax fund, utilizing the design contingency allocation established with the original professional services agreement. The available design contingency balance is \$206,150.00.

STAFF RECOMMENDATION:

Staff recommends approval of Resolution 21-55 to approve Amendment No. 5 with Kimley-Horn for additional design services for the Buckner Lane Widening Project and to authorize the Mayor to sign the amendment at a not-to-exceed cost of \$46,800.00.

**AMENDMENT NUMBER 05 TO THE AGREEMENT BETWEEN CLIENT AND KIMLEY-HORN
AND ASSOCIATES, INC.**

This is Amendment number 05 dated March 31, 2021 to the agreement between City of Spring Hill ("Client") and Kimley-Horn and Associates, Inc. ("Consultant") dated October 21, 2019 ("the Agreement") concerning Buckner Lane Widening Project (the "Project").

The Consultant has entered into the Agreement with Client for the furnishing of professional services, and the parties now desire to amend the Agreement.

The Agreement is amended to include services to be performed by Consultant for compensation as set forth below in accordance with the terms of the Agreement, which are incorporated by reference.

Consultant will perform the following scope of services:

Task 1 – Traffic Analysis

Consultant will use a subconsultant to perform traffic data collection. Intersection turning movement counts will be performed at five (5) locations:

1. Buckner Lane at Sakari Circle
2. Buckner Lane at Nealcrest Circle (south)
3. Buckner Lane at Nealcrest Circle (north)
4. Duplex Road at Sakari Circle
5. Lequire Lane at Dubose Court / Garrin Court

The intersection turning movement counts will be performed on a weekday when Spring Station Middle School and Summit High School are in session. Each intersection will be counted between 7:00am and 9:00am to determine the one (1) morning peak hour, and between 4:00pm and 6:00pm to determine the one (1) afternoon peak hour.

Consultant will review the existing traffic volumes during the morning peak hour and the afternoon peak hour. Consultant will then forecast the traffic diversion for one (1) alternative scenario that assumes access management is implemented along Buckner Lane, wherein left-turns are permitted at Nealcrest Circle (south), and left-turns are disallowed at Sakari Circle and Nealcrest Circle (north).

Consultant will perform capacity analysis for unsignalized intersections using the methodology provided within *Highway Capacity Manual, Sixth Edition: A Guide for Multimodal Mobility Analysis* published by the Transportation Research Board. Capacity analysis will be performed for three (3) unsignalized locations:

1. Buckner Lane at Sakari Circle
2. Buckner Lane at Nealcrest Circle (south)
3. Buckner Lane at Nealcrest Circle (north)

The Level of Service (LOS) and average vehicle delay on the stop-controlled approaches will be modeled, calculated, and reported for the weekday morning peak hour and the weekday afternoon peak hour. Four (4) scenarios will be performed:

1. Existing year 2021 volumes, with left-turns permitted at all three (3) study intersections
2. Existing year 2021 volumes, with left-turns permitted only at Nealcrest Circle (south)
3. Future year 2040 volumes, with left-turns permitted at all three (3) study intersections
4. Future year 2040 volumes, with left-turns permitted only at Nealcrest Circle (south)

Consultant will prepare a technical memorandum that summarizes the data collection, traffic forecasting, capacity analysis, and conclusions.

Task 2 – Subsurface Mapping

Through a subconsultant, Consultant will perform subsurface septic system location and mapping services. Consultant will investigate up to five (5) properties utilizing electromagnetic (EM) and ground penetrating radar (GPR) equipment. The limits of the located septic systems will be flagged, photographed, and located with a global positioning system (GPS). Each found system will be incorporated into the design plans.

Task 3 – Meetings

Consultant will participate in up to ten (10) meetings in Spring Hill, as requested by Client. Depending on the topic and Client request, Consultant anticipates providing two (2) representatives for each meeting. This task will include preparation of meeting materials, exhibits, and brief presentations. The attendees of these meetings may include neighborhood residents, the Transportation Advisory Committee, or the Board of Mayor and Alderman.

For the services set forth above, Client shall pay Consultant the following compensation:

Table 1:

Task 1	Traffic Analysis	\$14,800	lump sum
Task 2	Subsurface Mapping	\$5,500	hourly, not to exceed
Task 3	Meetings	\$26,500	hourly, not to exceed

Kimley-Horn will perform the services in Task 1 for the total lump sum fee indicated in the above in **Table 1**. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client. Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

Kimley-Horn will perform the services in Tasks 2-3 on a labor fee plus expense basis with the maximum labor fee shown below above in **Table 1**. Kimley-Horn will not exceed the total maximum labor fee shown without authorization from the Client. Individual task amounts are provided for budgeting purposes only. Kimley-Horn reserves the right to reallocate amounts among tasks as necessary.

Labor fee will be billed on an hourly basis according to our then-current rates. As to these tasks, direct reimbursable expenses such as express delivery services, fees, air travel, and other direct expenses will be billed at 1.15 times cost. A percentage of labor fee will be added to each invoice to cover certain other expenses as to these tasks such as telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Administrative time related to the project may be billed hourly. All permitting, application, and similar project fees will be paid directly by the Client. Should the Client request Kimley-Horn to advance any such project fees on the Client's behalf, a separate invoice for such fees, with a fifteen percent (15%) markup, will be immediately issued to and paid by the Client.

Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

CLIENT:

CITY OF SPRING HILL

By:  Rick Graham

Title: Mayor

Date: April 19, 2021

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC.

By:  Zachary J. Dufour

Title: Vice President

Date: March 31, 2021