

RESOLUTION 14-49

**A RESOLUTION TO ENDORSE THE SELECTION OF A
CONSULTANT TO PERFORM THE US 31 SIGNAL TIMING
OPTIMIZATION STUDY**

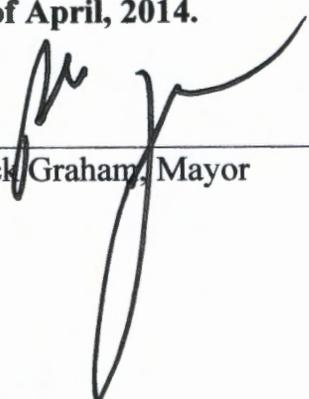
WHEREAS, the City of Spring Hill desires to be proactive in the development of future infrastructure plans; and

WHEREAS, the City of Spring Hill desires to provide for the health, safety, and welfare of it's citizens; and

WHEREAS, the City of Spring Hill desires to address significant congestion traffic concerns in the US 31 corridor; and

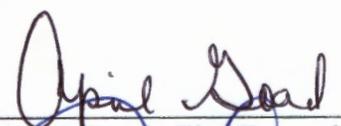
NOW, THEREFORE BE IT RESOLVED, that the City of Spring Hill, Board of Mayor and Aldermen endorses the selection of RPM/Volkert to provide traffic engineering services for the US 31 Signal Timing Optimization Study.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 22nd day of April, 2014.



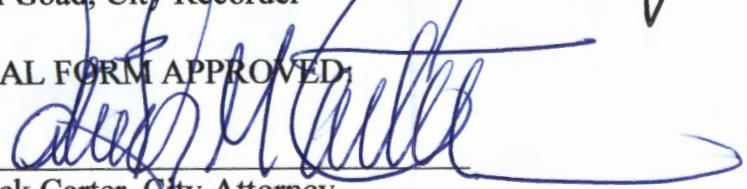
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney

April 22, 2014

Mr. Dan Allen, P.E.
Utility Director
City of Spring Hill
3893 Mahlon Moore Road
Spring Hill, TN 37174

**Re: US ROUTE 31 SIGNAL TIMING OPTIMIZATION STUDY
Spring Hill, TN**
Subject: Proposal for Engineering Services – Count Data Collection

Mr. Allen,

I am writing to outline the scope of services and compensation associated with RPM Transportation Consultants, LLC (RPM) providing engineering services for the above referenced project. Specifically, RPM's role for this project will be to prepare and implement optimized signal timing for the US Route 31 corridor from Crossings Boulevard to Thompson's Station Road as well as develop recommendations for short, mid and long-term improvements.

As requested, in order to expedite delivery, at this time, a scope and fee are being provided for only the count data collection portion of the overall project; specifically Sub-Task 2.2 New Count Data. Following is our understanding, scope, and fee for this portion of the project.

PROJECT UNDERSTANDING

The purpose of this project is to perform an operational analysis of the US Route 31 corridor in Spring Hill, TN for the purpose of developing and implementing updated and optimized signal timings for the corridor. Following is a list of the eleven (11) signalized intersections included in the corridor:

1. Crossings Boulevard
2. Town Center Parkway
3. Kedron Road/Kedron Parkway
4. Depot Street/McLemore Avenue
5. Beechcroft Road (SR 247)/Duplex Road (SR 247)
6. Miles Johnson Parkway (planned signal)
7. Belshire Way/Commonwealth Drive (Lowes Access)
8. Southern Walmart Access (signalized)
9. Campbell Station Parkway
10. Buckner Road/Thompsons Ridge Road
11. Thompson's Station Road (located within the Town Limits of Thompson's Station)

In order to develop an accurate and complete model of the signalized network, it is necessary to include key unsignalized intersections that may be located between signalized intersections along the corridor. In this instance, the signal timing project will include the following fifteen (15) unsignalized intersections:

1. Access at Spring Hill Medical
2. Home Depot Access
3. Access at First Farmers Bank
4. Maury Hill Street
5. Ayers Street
6. Locke Avenue
7. Witt Hill Drive
8. Bess Blvd (un-signalized Lowe's access)
9. Nasdaq Street
10. Publix Full Access
11. Publix Partial Access
12. Wilkes Lane
13. Spring Hill Circle
14. Williford Court
15. Spring Hill Circle/Traders Way

These intersections and roadways define the project area for the signal timing project.

SCOPE OF WORK

Sub-Task 2.2 – New Count Data

The RPM Team will collect vehicle and pedestrian peak hour turning movement count data as needed for each of the intersections that make up the study area for the project as well as midblock 24-hour ADT counts.

Peak Hour Turning Movement Counts (TMC):

Peak hour turning movement counts will be collected for the following four (4) peak periods:

- Weekday AM peak (7:00 AM – 10:00 AM)
- Weekday Mid-day peak (11:00 AM – 1:00 PM)
- Weekday PM peak (2:00 PM – 7:00 PM)
- Weekend peak (Saturday, 11:00 AM – 3:00 PM)

Peak hour turning movement counts will be conducted during normal day-to-day operation when schools are in session and excluding holidays and weekdays abutting holidays.

ADT Automated Directional Counts:

24-hour tube counts will be collected for the corridor in order to determine appropriate time-of-day programming. The RPM Team will coordinate with the City prior to data collection to determine the optimum number and locations for these counts. Data will be collected for up to four (4) locations within the corridor. Counts will be conducted at mid-block locations during normal day-to-day operation when schools are in session and excluding holidays and weekdays abutting holidays. These counts will include seven (7) consecutive days of data.

Adverse Conditions:

The RPM Team will monitor traffic conditions within the study area as well as conditions along I-65, SR-840, and SR-396 during data collection to confirm that the data is not adversely affected by incidents such as lane closures due to construction or accidents that could influence normal travel conditions. If conditions are determined to impact data collection, it may be necessary to repeat certain counts.

Electronic and hard copies of all count data (including videos) will be provided to the City in both hard copy and electronic format. TMC data shall be provided in spreadsheet format.

SCHEDULE

The collection of count data represents a critical path for the project and will be scheduled immediately following authorization. As indicated count data must be collected schools are in session. The last day of full-day classes for area schools is reported to be May 20th. The new count data collection for this project will require approximately one-week to collect. Therefore, count data collection will be scheduled no later than the week of May 4th, allowing one-week to compensate for any adverse conditions, assuming authorization is received prior May 4th.

COMPENSATION

Compensation for the work specified above is as follows:

Task	Description of Work	Fee
2.2	New Count Data	\$26,160.00
TOTAL		\$26,160.00

Work performed will be billed on a lump sum basis and includes all costs associated with new count data collection and delivery.

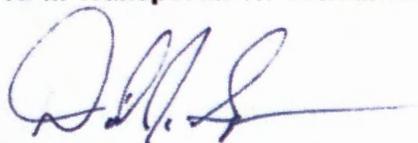
ADDITIONAL SERVICES

Any work, other than the scope of services outlined herein, shall be designated additional services. At such time that it is determined that these additional services are required, RPM Transportation Consultants, LLC reserves the right to amend this proposal or execute a separate agreement that will provide such services. Services desired by the client, but not specifically outlined herein, can be provided on an hourly basis in accordance with RPM Transportation Consultants, LLC's standard hourly rates.

We appreciate the opportunity to assist you on this project. Please contact our office if you have any questions or need any additional information.

Sincerely,

RPM Transportation Consultants, LLC



Daniel J. Spann, P.E., PTOE