

October 25, 2019

Mr. Peter Daniels, P.E.  
City of West Allis Engineering Department  
City Hall, Room 212  
7525 W. Greenfield Avenue  
West Allis, WI 53214

Re: City of West Allis Traffic Engineering Support Services

Dear Mr. Daniels:

Thank you for this opportunity to provide a quotation for professional services. The contents of this proposal spell out the Scope of Services, Completion Schedule and Professional Fees under which this proposal is being made.

**I. PROJECT UNDERSTANDING/SCOPE OF SERVICES:**

**Project Understanding**

The City of West Allis is requesting traffic engineering support for two projects within the City. raSmith will complete the tasks identified in this proposal and provide additional support on an as-needed basis as authorized by the City.

**Scope of Services:**

raSmith will complete the following tasks as part of this scope of services:

**1) Traffic Signal Warrant Study**

raSmith will conduct a traffic signal warrant study at the S. 76<sup>th</sup> Street intersection with W. Lapham Street. Specific tasks include:

- Collect 13-hour (6:00am – 7:00pm) intersection turning movement count data
- Obtain five (5) most recent years of intersection crash data from the statewide crash database. This task will identify crashes susceptible to correction with additional traffic signal improvements, but not with stop control.
- Compare volume and crash data to warrant criteria established in MUTCD traffic signal warrants 1, 2, 3, and 7
- Conduct a weekday morning and weekday evening peak hour intersection analysis with existing traffic signal control and with two-way stop control.
- Prepare a technical memorandum to summarize the finding and recommendations of the study
- If traffic signal removal is recommended, identify steps outlined in the MUTCD for the City to complete the removal process and transition to stop control.
- Attend one (1) meeting with the City to discuss the findings and recommendations of the study.



## 2) Pedestrian Beacon Evaluation

The City has requested raSmith collect traffic data to identify the potential need for a pedestrian warning beacon (Rapid Rectangular Flashing Beacon) or pedestrian hybrid beacon (HAWK) at the following study intersections:

- W. Greenfield Avenue intersection with S. 87<sup>th</sup> Street
- W. Lincoln Avenue intersection with S. 73<sup>rd</sup> Street
- W. Lincoln Avenue intersection with S. 79<sup>th</sup> Street
- W. Beloit Road intersection with S. Honey Creek Parkway
- S. 92<sup>nd</sup> Street intersection with W. Orchard Street

The purpose of this task is to identify potential pedestrian beacon improvements eligible for the WisDOT Multimodal Local Supplement (MLS) funding program.

The scope of work at each intersection includes the following tasks:

- Collect 13-hour (6:00am-7:00pm) intersection turning movement count data
- Compare location criteria for a pedestrian warning beacon, as outlined in the WisDOT TEOpS Manual, with volume data and other site characteristics
- Compare volume data with warrant criteria established in the MUTCD for a pedestrian hybrid beacon
- Provide a summary of the evaluation and identify potential improvements to include in the City's 2019 WisDOT MLS Grant Application(s).
- Attend one (1) meeting with the City to discuss the findings and recommendations of the study.

## II. ADDITIONAL SERVICES

raSmith included a limited number of hours in the proposal to assist with City requested tasks not defined above in the Scope of Services. raSmith will provide traffic engineering support for the City on tasks not defined above up to the contract fee maximum. These tasks could include expansion of the scope items defined above or new tasks.

Any request for services beyond the contract maximum will be conducted by raSmith if authorized as additional services by the City.

## III. COMPLETION SCHEDULE

raSmith anticipates completing the tasks 1 and 2 scope of services within four (4) weeks of receiving Notice to Proceed. For task 2, the WisDOT MLS application deadline is December 6, 2019. raSmith recommends collecting pedestrian count data as soon as possible to meet this deadline and to avoid seasonal decrease in pedestrian volumes.



**IV. PROFESSIONAL FEES**

raSmith will complete the scope of services described according to the following fee schedule:

S. 76 <sup>th</sup> Street intersection with W. Lapham Street Traffic Signal Warrant Study:	\$5,700
Pedestrian Beacon Evaluation:	\$11,600
On-Call Traffic Engineering Support	\$22,700
 Total Lump Sum Fee:	 \$40,000

If there are any questions concerning the terms as presented, please contact us. We look forward to a very successful project!

Sincerely,  
R.A. Smith, Inc.

Patrick E. Hawley, P.E., PTOE  
Assistant Director of Transportation Services  
Senior Traffic Project Manager

John A. Elkin, P.E.  
Director of Transportation Services  
Senior Project Manager