

KLEIN

TRAFFIC CONSULTING, LLC

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October 6, 2015

Chief Douglas J. Huber
Township of Verona
Municipal Building
600 Bloomfield Avenue
Verona, NJ 07044

VIA EMAIL: ManagerDoug@yahoo.com

**Re: Traffic Signal Warrant Analysis
Intersection of Fairview Avenue with Sampson Drive
Township of Verona, Essex County, NJ**

Dear Chief Huber:

Klein Traffic Consulting, LLC is pleased to this proposal for Professional Traffic Engineering Services for a Traffic Signal Warrant Analysis of the intersection of Fairview Avenue with Sampson Drive in the Township of Verona.

Klein Traffic Consulting, LLC was formed in December of 2013 by **Mr. Lee D. Klein, P.E., PTOE**. Prior to that Mr. Klein was employed by the City of Jersey City as an Assistant Municipal Engineer and Traffic Engineer and prior to that Mr. Klein was employed at various large and small consulting firms. Our main area of expertise is traffic engineering, transportation planning and parking analysis.

Currently, Mr. Klein has an On-Call Traffic Engineering contract with the City of Elizabeth Police Department, addressing traffic safety concerns and requests for modifications to existing traffic control devices such as multi-way stop intersections, sight distance measurements, parking restrictions, crosswalks, etc. With a previous employer, he was also Project Manager on several traffic signal design projects with various Public Works and Engineering Departments. As an Assistant Municipal Engineer and Traffic Engineer for the City of Jersey City, Mr. Klein gained valuable experience working on the public sector side of traffic engineering. He was involved with issuing street occupancy permits to contractors, dealing with citizen complaints on various traffic and parking issues, restricting on-street parking to improve intersection sight distance, accommodating pedestrians at intersections, restricting turning movements, upgrading signing and striping, etc.

The following is the Scope of Services for the Traffic Signal Warrant Analysis:

Scope of Services:

We will collect vehicle traffic volumes with automatic traffic recorders (ATRs) placed across Fairview Avenue and Sampson Drive. One ATR will be installed to gather traffic volumes in both directions of Fairview Avenue and one ATR will be placed on Sampson Drive for a one-week period and collect traffic data in 15-minute intervals. If the Police Department is able to provide traffic volume data for both directions of Fairview Avenue, only the ATR on Sampson Drive will be installed. We will also collect pedestrian counts at the intersection from 7:00 AM to 8:15 AM and from 2:15 PM to 3:15 PM on a typical weekday.

As part of the Traffic Signal Warrant Analysis, we will request and summarize the most recent 12-months of crash records from the Township's police department. We will prepare a Traffic Signal Warrant Analysis report outlining our findings. We will forward three copies of this report in draft form to the Township for review and approval. A final report will be prepared, which will incorporate any comments.

Fee:

The total fee, including out of pocket expenses, is \$4,500, exclusive of appearances at public hearings, or participation in meetings/conference calls. All services beyond the scope of services outlined above will be considered as extra and invoiced as extra work at the hourly rate presented. **If only one ATR is installed on Sampson Drive, the fee will be \$4,000.** No extra work will be performed unless authorized by the client. We will submit an invoice upon completion of this Scope of Services. Preparation for and appearance at public hearings, attendance at meetings or participation in conference calls will be billed at a rate of \$150 per hour.

Schedule:

The traffic signal warrants provided in the 2009 Manual on Uniform Traffic Control Devices (MUTCD) will be checked one week after receiving the traffic and crash data. A determination can be made as to whether the warrants are met on traffic volumes. The timing of receiving the accident data will dictate the time frame for finishing the warrant study.

I look forward to the Township accepting my qualifications and proposal for the traffic signal warrant analysis project. If you have any questions, please contact me at 973-985-3464.

Very truly yours,

Lee D. Klein

Lee D. Klein, P.E., PTOE
NJPE 24GE03710400
PTOE Certification 1627

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AGREED TO BY TOWNSHIP OF VERONA:

Signature: *D. J. Hume*

Name/Title: *Chief of Police*

Date: *October 6, 2015*