

**Memorandum  
Public Works Department**



**To:** City Manager  
**Subject:** Stop/Yield Signs  
**Date:** November 3, 2014  
**Number:** 2014-240

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**SOURCE OF REQUEST:**

Alan and Johnna Gustafson  
1605 21<sup>st</sup> Avenue  
Rock Island, IL 61201

**NATURE OF REQUEST:**

The Traffic Engineering Committee received a request from Alan and Johnna Gustafson, 1605 21<sup>st</sup> Avenue, to install stop or yield signs at the intersection of 16<sup>th</sup> Street and 21<sup>st</sup> Avenue.

**MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WARRANTS:**

The excerpts from the Manual of Uniform Traffic Control Devices (MUTCD) are attached.

**CONTACTS WITH RESIDENTS:**

None

**TRAFFIC STUDY INFORMATION:**

The Engineering Division conducted a traffic study of this intersection and determined that the installation of stop signs is not warranted.

A copy of the traffic study is attached.

**COST:**

The cost to the city is minimal.

**RECOMMENDATION:**

The Traffic Engineering Committee recommends that the City Council approve the installation of stop signs on 16<sup>th</sup> Street at 21<sup>st</sup> Avenue.

**Submitted by:** Randall D. Tweet, Public Works Director  
Traffic Engineering Committee

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**Approved by:** Thomas Thomas, City Manager

# Memorandum

## Public Works Department



**To:** Traffic Engineering Committee  
**Subject:** Request for STOP signs 21<sup>st</sup> Avenue and 16<sup>th</sup> Streets  
**Date:** November 3, 2014  
**TEC No:** 14-25

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The Engineering Division evaluated a request about installing four-way STOP signs along 21<sup>st</sup> Avenue at its intersections with 16<sup>th</sup> Streets. 21<sup>st</sup> Avenue intersects 16<sup>th</sup> Street at two different locations. Current there is no traffic control signage at these intersections. Traffic at the above intersections was counted on October 21, 2014. According to the latest Manual of Uniform Traffic Control and Devices (MUTCD), STOP signs can be warranted at an intersection if one of the following warrants is met:

**Intersection of a less important road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law:** The traffic study indicated the following volumes at these intersections:

- 21<sup>st</sup> Avenue carried 664 to 794 AADT;
- The intersecting 16<sup>th</sup> Streets carried 139 to 184 AADT.

The intersections were observed to meet the application of the normal right-of-way rule with reasonable compliance with the law in accordance with their current traffic control signage. Therefore this warrant was not met.

**Street entering a through highway or street (arterial):** 21<sup>st</sup> Avenue and the 16<sup>th</sup> Streets are classified as local streets. *Therefore this warrant was not met.*

**Unsignalized intersection in a signalized area:** In accordance with MUTCD criteria, there are no signalized intersections in this area. *Therefore this warrant was not met.*

**Minimum vehicular volumes:** To satisfy the traffic warrant, the vehicular volume entering the intersections from the major street (20<sup>th</sup> Avenue) approaches (total of both approaches) should average at least 300 vehicles/hour for any 8 hours of an average day. The study indicated that the major street averaged less than 74 vehicles/hours for the busiest 8 hours of an average day. *Therefore this warrant was not met.*

**Restricted view or crash records indicate a need for control by the STOP sign:** To satisfy the accident experience warrant, at least 5 or more reported crashes in a 12-month period that is susceptible to correction by a STOP sign installation at each intersection. Accident reports filed with the City of Rock Island Police Department indicate that there was one (1) reported accident at these intersections in the past 3 years that may have been avoided with the installation of 4-way STOP Signs. *Therefore this warrant was not met.*

**Summary:** *The traffic study performed on the dates referenced above indicated that the intersections of 21<sup>st</sup> Avenue with 16<sup>th</sup> Streets did not meet any of the above warrants or conditions for the installation of 4-way STOP signs.*

**Submitted by:** Michael J. Kane, P.E., City Engineer

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PubWorks Mail Mail &lt;pubworksmail@rigov.org&gt;

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**Re: 21st Avenue & 16th Street Lack of Signage**

1 message

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**PubWorks Mail Mail** <pubworksmail@rigov.org>  
To: Alan Gustafson <bnvongustafson@gmail.com>

Tue, Oct 14, 2014 at 8:22 AM

Your request for stop/yield signs at the intersection of 16th Street and 21st Avenue will be given to the City of Rock Island's Traffic Engineering Committee.

The Traffic Engineering Committee will review your request, conduct speed studies, and make a recommendation to the City Council. A copy of the recommendation and the date that it will be presented to the City Council will be mailed to you.

On Mon, Oct 13, 2014 at 10:45 PM, Alan Gustafson <bnvongustafson@gmail.com> wrote:

To whom it may concern (in the Public Works Department):

Rock Island Police Department's Lieutenant Smith came to our home Columbus Day morning to discuss the problems we are having at both intersections of 21<sup>st</sup> Avenue and 16<sup>th</sup> Street. My family's home sits between these two intersections. The police department has agreed to set up a speed-box in our neighborhood this week to track the speeders and the amount of traffic we have here. We desperately need yield and/or stop signs placed at these intersections before someone gets horribly injured, or killed – whether it be a child, adult, or family pet! We also need speed limit signs. My family is tired of seeing motorists of every sort speeding east and west to and from 17<sup>th</sup> Street. The (racing) motorcyclists are among the worst offenders, and (believe it or not) some of the residents and/or employees of Friendship Manor! The traffic was much worse when 23<sup>rd</sup> Avenue was closed for resurfacing (and also 25<sup>th</sup> Avenue); but it's still terrible sometimes. People speed on 21<sup>st</sup> Avenue EVERY DAY! With no yield or stop signs at these two intersections, someone could pull right out in front of a speeder and get himself/herself and the speeder killed. Please tell me what my wife and I need to do in order to get proper signage, and maybe some speed bumps, installed in our neighborhood. The traffic is dangerous here!

We thank for your time, and all you do!

Sincerely/Respectfully,

Alan (& Johnna) Gustafson

1605 21<sup>st</sup> Avenue

Rock Island, IL 61201

**From:** Alan Gustafson [mailto:bnvongustafson@gmail.com]  
**Sent:** Saturday, October 11, 2014 12:05 PM  
**To:** Police Mail Mail  
**Cc:** Johnna Kay  
**Subject:** Re: 21st Avenue Speeders

Within the past half hour, there was another near accident at the intersection on the west side of my home, due to there being no stop or yield signs! Why is nothing being done about this?

I sent the previous email more than two weeks ago, and received no reply. What's going on? Please tell me whom I need to contact.

Thanks for all you do!

Sincerely/Respectfully,

Alan Gustafson

On Thu, Sep 25, 2014 at 12:56 PM, Alan Gustafson <bnvongustafson@gmail.com> wrote:

To whom it may concern:

My family has been living on 21st Avenue, at the intersection with 16th Street, for about a year now. There are NO speed limit signs; and people constantly take advantage of that. There are also NO stop signs, NOR yield signs; which makes for a VERY dangerous situation. I'm truly worried someone is going to get injured or killed here. What can be done to get some MUCH needed signage AND enforcement in our neighborhood? Ultimately, I would LOVE to see some speed bumps installed in front of our house! How do we get THAT approved?

Sincerely/Respectfully,

Alan Gustafson  
1605 21st Avenue  
Rock Island, IL 61201

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City of Rock Island  
Public Works Department  
1309 Mill Street  
Rock Island, IL 61201  
309-732-2200  
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