

**Memorandum  
Public Works Department**



**To:** City Manager  
**Subject:** School Zone and 4-Way Stop Signs  
**Date:** May 12, 2014  
**Number:** 2014-108

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**SOURCE OF REQUEST:**

David Burgess  
1857 34<sup>th</sup> Street  
Rock Island, IL 61201

**NATURE OF REQUEST:**

The Traffic Engineering Committee received a neighborhood petition from David Burgess, 1857 34<sup>th</sup> Street, to establish a school zone on 20<sup>th</sup> Avenue between 32<sup>nd</sup> and 35<sup>th</sup> Streets and to install 4-way stop signs on 20<sup>th</sup> Avenue at the intersections of 32<sup>nd</sup> and 35<sup>th</sup> Street.

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

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

**TRAFFIC STUDY INFORMATION:**

Attached is a traffic study that was conducted in regards to installing 4-way stop signs along 20<sup>th</sup> Avenue at the intersections of 32<sup>nd</sup> and 35<sup>th</sup> Street.

The traffic study did not meet any of the warrants or conditions for the installation of 4-way stop signs.

**CONTACTS WITH RESIDENTS:**

A neighborhood petition was submitted in support of the request.

**COST:**

The cost to the City is minimal.

**RECOMMENDATION:**

The Traffic Engineering Committee recommends that the City Council approve the request to establish a school zone on 20<sup>th</sup> Avenue between 32<sup>nd</sup> and 35<sup>th</sup> Street and direct the city attorney to prepare the necessary paperwork.

**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 20<sup>th</sup> Avenue at 32<sup>nd</sup> and 35<sup>th</sup> Street  
**Date:** April 11, 2014  
**TEC No:** 13-41

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The Engineering Division evaluated a request about installing four-way STOP signs along 20<sup>th</sup> Avenue at the intersections of 32<sup>nd</sup> and 35<sup>th</sup> Streets. Current traffic control signage is STOP signs on the streets at the avenue. Traffic at the above intersections was counted on April 1, 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:

- 20<sup>th</sup> Avenue carried 384 to 801 AADT;
- The intersecting streets (32<sup>nd</sup> and 35<sup>th</sup>) carried 79 to 174 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):** 20<sup>th</sup> Avenue, 32<sup>nd</sup> Street and 35<sup>th</sup> Street 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 109 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:** There are no obstructions that would restrict a motorist's vision at these intersections. 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 were two (2) reported accidents 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 20<sup>th</sup> Avenue with 32<sup>nd</sup> and 35<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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**Approved by:**

Dear Sirs:

I would like the city to study the need to mark 20<sup>th</sup> Avenue between 32<sup>nd</sup> and 35<sup>th</sup> Streets as a school zone with 20mph speed limit. Also to make the intersections at 32<sup>nd</sup> and 35<sup>th</sup> Streets four way stops.

As you can see from the enclosed diagrams 15<sup>th</sup>, 16<sup>th</sup>, and 21<sup>st</sup> Avenues have 4 way stops to control their use as through fares. Having 20<sup>th</sup> Ave as the only unrestricted route for those trying to beat the traffic on 18<sup>th</sup> Ave it has become at times a "raceway".

Please consider these changes in the interest of the safety of the children attending Washington JRHS.

Sincerely yours,



David L. Burgess

1857 34<sup>th</sup> Street

Rock Island, Illinois

309-737-5851

We the neighbors of Washington JRHS support the proposal to mark 20th Ave as a school zone from 32nd St to 35<sup>th</sup> St and to put 4way stops at 32<sup>nd</sup> and 35<sup>th</sup> streets.

Name:

Address:

Phone:

Egan

3300 18<sup>th</sup> Ave

309 - 793-5915

Melanie Hill

1811 34<sup>th</sup> St

309-5581090

Rabot J. Nouvo

1853 34<sup>th</sup> St

309-716-2651

Frances J. Nouvo

1853-34<sup>th</sup> St

309 - 373-1863

Ra July

1854 - 35<sup>th</sup> St

309-373-4643

Melred

2000-35<sup>th</sup> St

309-788-8088

Jerry Klumpath

2001 34<sup>th</sup> St

309 - 786 - 8830

Lisa M. Wymer

4025 28<sup>th</sup> Ave

309-278-3332

Nancy Melfchin

1825 34 St.

309.292.2411

M

3312-34 Ave Ct

309-793-5024

Steve Coulston

1817 35<sup>th</sup> St

309-631-8696

Barbara Peters

3300-20<sup>th</sup> Ave,

309-788-2316

Jeffrey Rose

2007 33RD STREET

563-508-8879

Paul Stender

2003 32<sup>nd</sup> St

773-743-9853

Cary Lee

2003 32nd St

309-737-4017

Doug Krauth

2000-32ND ST

309-786-0970

Joe Corl

2004 32<sup>nd</sup> St.

309-787-3406

Margina Hendricks

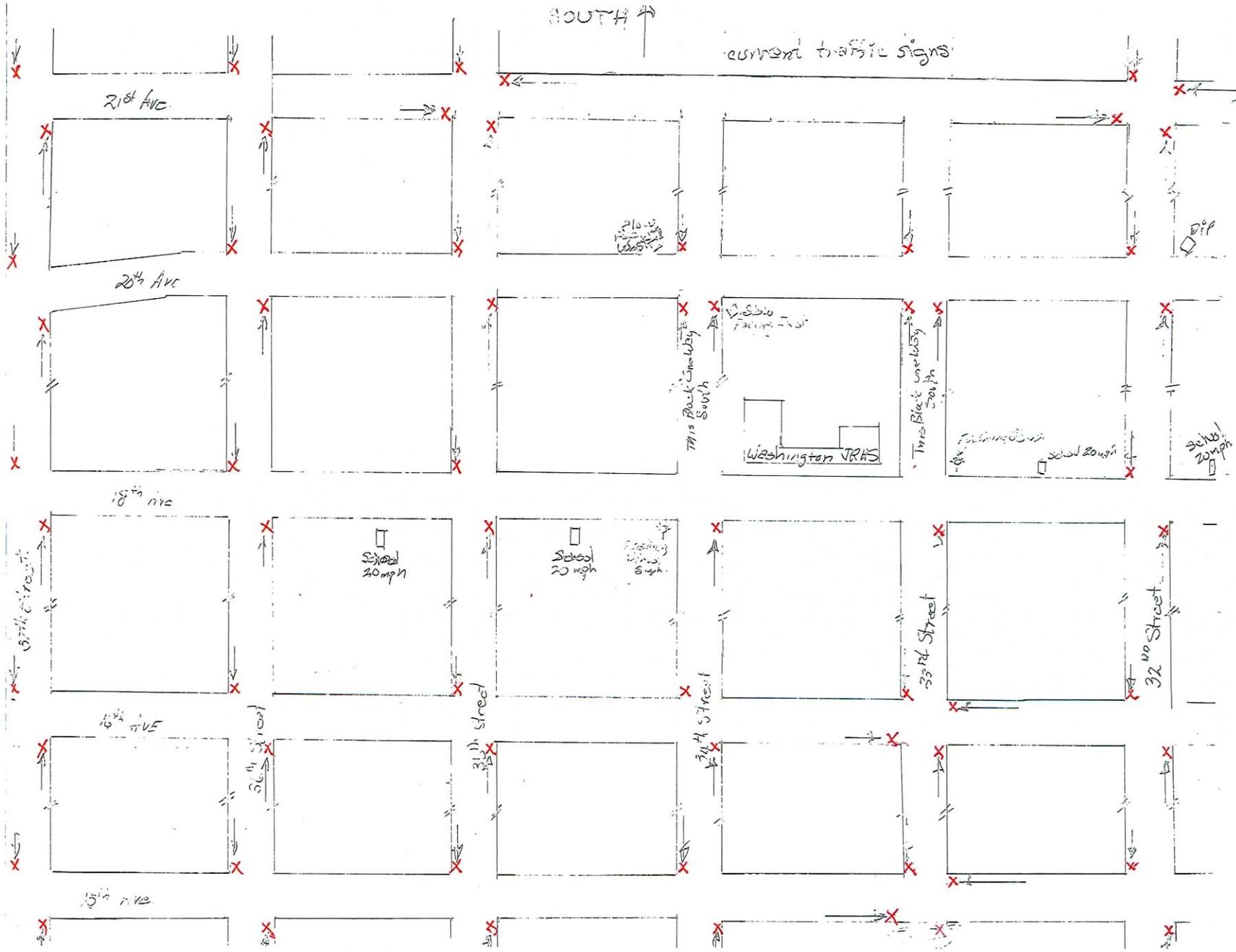
1852 32nd St

309-7949957

Michael Hendricks

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SOUTH

REQUESTED FOR 25th AVE



23rd AVENUE



18th AVENUE

