

CITY OF WAUWATOSA
MEMO

To: **Transportation Affairs Committee**

From: **Michael May, Senior Civil Engineer – Traffic & Transportation**

Date: **April 19, 2023**

Subject: **Request to Install Two-Way Stop Control at the 72nd Street & Wellauer Drive Intersection**

A. Issue

An obstruction in the northwest corner of 72nd Street & Wellauer Drive may block lines of sight and may not allow a road user to yield or stop in compliance with the normal right-of-way rule.

B. Background/Options

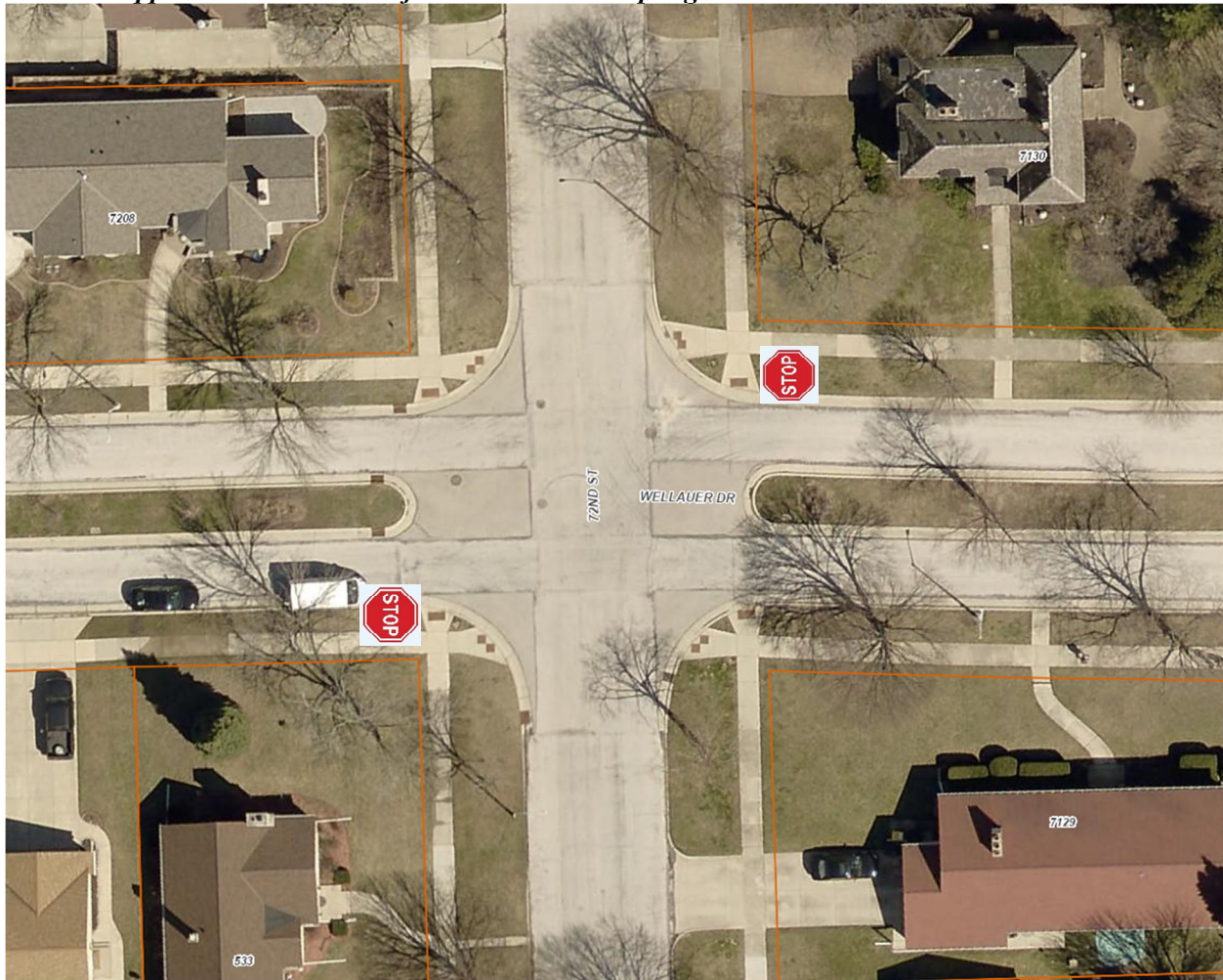
The City has adopted a policy that follows national standards related to the installation of yield and stop signs. The policy allows residents to request consideration for stop signs when they believe a condition, as described within the Manual on Uniform Traffic Control Devices (MUTCD), has been met. Staff received such a request for stop control at the 72nd Street & Wellauer Drive intersection and analyzed if such traffic control is warranted.

72nd Street & Wellauer Drive is a four-leg intersection and currently operates under no control (normal right-of-way-rules). Both streets have statutory speed limits of 25 mph. 72nd Street is approximately 32-foot wide and undivided. Wellauer Drive is approximately 45-foot wide with a raised median. City staff collected data to analyze the potential for yield control or two-way stop control at the intersection. The results of the analysis are below.

Yield/Stop Sign Criteria	Minimum Threshold	72nd Street & Wellauer Drive	Threshold Met
Traffic Volumes	The combined volume of all vehicular, pedestrian, and bicycle volume entering from all approaches averages more than 2,000 units per day.	The intersection services approximately 549 vehicles per day. Including pedestrian & bicycles volumes would not reach 2,000 units per day.	No
Vision Issue/s	Ability to see conflicting traffic on an approach is not sufficient to allow a road user to yield or stop in compliance with the normal right-of-way rule.	Permanent wall in the northwest intersection corner may block lines of sight and may not allow a road user to yield or stop in compliance with the normal right-of-way rule.	Yes
Crashes	The intersection has 3+ crashes over a two-year period or 5+ crashes in a three-year period susceptible to correction by yield or two-way stop control.	The Police Department records show 2 crashes at this location within the past three years that may be susceptible to correction by yield or two-way stop control.	No
Conclusion: Two-way yield or stop control <u>is</u> warranted.			

A full stop is warranted and necessary for an approaching motorist to properly see conflicting traffic. Staff recommends the installation of two-way stop control at 72nd Street & Wellauer Drive. Additionally, staff recommends to stop the Wellauer Drive approaches to 72nd Street because Wellauer Drive carries less traffic volume than 72nd Street.

Approximate Location of Recommended Stop Signs on Wellauer Drive at 72nd Street



C. Strategic Plan (Area of Focus)

Priority 2: Public Safety; Goal 2. Proactively address pedestrian, bicycle, and vehicular safety.

D. Fiscal Impact

Minor expenses for the in-house creation and installation of signs. The existing sign budget will accommodate these expenses.

E. Recommendation

Change the Wauwatosa Municipal Code to include stop signs on the Wellauer Drive approaches to 72nd Street.