



To: Chairperson and Transportation and Safety Committee
From: Frank Kalisik, Civil Engineer *FK*
Through: Carl S. Goldsmith, Director of Public Works *CJ*
Date: March 24, 2010
Subject: Wilson and Cherry Intersection 4-Way Stop Sign Request

A request for placement of a 4-way stop intersection has been requested by Trustee Ware. Currently, the intersection is controlled by stop signs on Cherry Street with through traffic moving unencumbered on Wilson Avenue. An aerial map of the intersection is attached for your reference. Both streets are posted at the state regulated 30 mph speed limit. Traffic accident history has been reviewed by the Police Department revealing three (3) known accidents at the intersection since 2006; no injuries were reported.

From March 16, 2010 through March 18, 2010, traffic counts and vehicular speed information were obtained. Wilson Avenue had an approximate daily traffic volume of 2500 vehicles, while Cherry exhibited approximately 300 vehicles per day. Traffic speeds on Wilson Avenue were higher than the posted speed limit by 8-9 mph, but remained generally under 40 mph. Traffic speed on Cherry was less than the posted speed limit at around 20 mph, but was likely influenced by the approaching stop sign controlled intersection. Headway, or time between vehicles on Wilson Avenue, was around 12 seconds, giving ample time for vehicles stopped on Cherry Street to safely navigate the intersection. No visual impairments or obstructions were noted by staff at the intersection in any direction.

With the current traffic control configuration, the subject intersection appears to be adequately controlled and in accordance with the MUTCD. The implementation of a multi-way stop sign controlled intersection is not warranted at this time. Staff does not recommend expanding the existing traffic control measures at the intersection of Cherry Street and Wilson Avenue.

cc: William Ware, Trustee, District 6

Intersection of Wilson and Cherry

