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Public Works

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MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Gregg Mandsager, City Administrator
CC: Fran Donelson, Secretary
FROM: Randy Hill, Public Works Director
DATE: October 15, 2012
RE: Bonnie Dr./Mulberry Pivotal Stop Signs

INTRODUCTION:

At the September 6, 2012 Council Meeting approval was given to install pivotal Stop Signs at the Bonnie Drive/Mulberry Ave. intersection subject to an update as to their effectiveness in moving high school traffic.

BACKGROUND:

The Muscatine Community School District requested pivotal Stop Signs at the Bonnie Drive/Mulberry Ave. intersection in order to get a better flow of traffic as vehicles exited the high school premises at this location. The problem is the excessive stacking time on Bonnie Drive exacerbated by the left turn on to Mulberry because continuous Mulberry traffic does not stop. The goals of the request are to decrease exit time, maintain safety and maintain traffic flow on Mulberry. City Council denied the request at the August 16th city council meeting but reconsidered at the September 6th meeting with additional information sought for the cost estimate for widening Bonnie Drive to accommodate left and right turns and a report on traffic conditions after a month.

RECOMMENDATION/RATIONALE:

The cost estimate for reconstructing Bonnie Dr. and widening is \$45,000. The Traffic Committee reviewed this option and determined that the pivotal Stop Signs would still be necessary in order to meet the goals. And it was unclear as to which organization (City and/or School District) would be responsible for the \$45K cost.

After 30+ days of trial there has been a reduction in stacking time from 24 minutes to 13 minutes (54%). The crosswalk for children has been maintained, and there has been no significant

adverse affect on Mulberry traffic flow.

It is the recommendation of the City's Traffic Committee to continue the use of pivotal Stop Signs at the Bonnie Drive/Mulberry Ave. intersection. Further, the committee does NOT recommend widening the Bonnie Drive intersection at this time.

If you have any questions, please contact me.

BACKUP INFORMATION:

- 1.
- 2.
- 3.
- 4.