

To: President and Members of the Munster Town Council

From: Patricia Abbott
Controller/Interim Town Manager

Date: October 21, 2024

Re: Signal Timing on Calumet Avenue

As part of ongoing efforts to improve traffic flow in Town, SEH has strongly recommended reviewing and updating the signal timing along Calumet Avenue. This process would involve the fourteen signalized intersections on Calumet Avenue from River Drive to Main Street and will include the following work.

- Data Collection: Turning movement counts, travel time runs along the length of Calumet Avenue, collection of existing signal timing data
- Existing Conditions Analysis: Use of specialized software and field observations to evaluate traffic conditions to evaluate the current level of service and effectiveness measures (e.g. average speed, delay per movement, number of stops)
- Develop Optimized Signal Timing Plans: Through the use of specialized software, create timing plans for the lowest overall delay for at least five time periods to include morning peak, morning off-peak, mid-day, evening peak and evening off-peak periods
- Timing Plan Implementation: Working with traffic signal contractor to implement new, optimized timing plans and verify new plans are working correctly
- Project Benefits Report: Report will be prepared to document the process and work done.

The Project Benefits Report is the final set and will be presented within three months of SEH receiving the Notice to Proceed. The project cost is \$75,200.00 and will be paid from the Motor Vehicle Highway or Local Road & Street Funds.

RECOMMENDED ACTION:

By motion and voice vote, approve the Supplement Letter Agreement from SEH to perform Calumet Avenue Intersection Signal Retiming at a cost of \$75,200.00.