

Village of



Mamaroneck

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To: Mayor and Board of Trustees  
From: Dennis Delborgo, Asst. Village Manager  
Cc: Jim Moran, P.E., James Barney, Chief PJ Trujillo, Kathleen Gill, Tina Maresca  
Date: 4/9/26  
Re: Intersection of Mamaroneck Avenue and Prospect Avenue

At the Board's request, I communicated with senior staff and the village's traffic engineering consultant (AKRF) on available options to modify the traffic and pedestrian signals at the intersection of Mamaroneck Avenue and Prospect Avenue to improve pedestrian safety.

The way the pedestrian crossing time functions now, pedestrians receive a Walk symbol across Mamaroneck Avenue when the green light activates for the Prospect Avenue vehicles. Similarly, a Walk symbol is displayed to cross Prospect Avenue when the light turns green for Mamaroneck Avenue. This is programmed; there is no push button activation.

As there are no push buttons on the pedestrian signal poles, a push button activated all pedestrian phase is not feasible with the existing equipment. The only way to achieve an all-pedestrian phase without replacing the signal is to make relatively minor modifications (less than \$10,000) that would provide an all-pedestrian phase every time the light cycles.

The intersection would be four-way Red/four-way Walk even if there are no pedestrians or vehicles in the intersection, 24x7.

The existing signal cannot communicate with the signal at Boston Post Road and Mamaroneck Avenue, which does have a push button activated all-pedestrian phase.

These two issues are expected to result in longer queues and traffic congestion along Mamaroneck Avenue and Prospect Avenue if an all-pedestrian phase is implemented at the intersection before the signal can be replaced.

An alternative to the all-pedestrian phase is to implement what is called a Leading Pedestrian Interval (LPI). This would activate the Walk sign 4 to 7 seconds before the traffic light turns green, giving the pedestrian a head start to cross with no vehicles turning. This also puts the pedestrians further into the intersection by the time the light turns green to increase visibility of the pedestrians for drivers. After the 4 to 7 second LPI, the signal would function as it does now. The LPI is adjustable within that range.

The LPI at the intersection and additional signage on Prospect Avenue on either side of Mamaroneck Avenue is feasible and can be completed relatively quickly as an alternative to an all-pedestrian phase on this busy stretch of Mamaroneck Avenue, improving pedestrian safety while limiting the negative impact to vehicle traffic. The cost estimate is less than \$10,000.

The final design for improvements to the intersection, including signal replacement, has been provided to the village for review. Some changes had been requested to the scope of work, including consideration of a push button activated all-pedestrian phase and additional signage. This is a capital project that the Board may add to the village's five-year Capital Plan. The cost estimate is approximately \$600,000.