



Traffic Engineering Division

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January 8, 2025

Re: Traffic Signal Priority List Staff Recommendations for Further Study

During the fall of 2024, City of Madison Traffic Engineering staff collected raw traffic volumes and speed data for the intersections requested since the previous Traffic Signal Priority List (TSPL) process.

Based on this data as it relates to the traffic signal warrants as described in the 2009 Manual of Uniform Traffic Control Devices, City of Madison Traffic Engineering staff recommend to the Transportation Commission the following additional studies performed by staff. Be aware that the 11th Edition of the Manual of Uniform Traffic Control Devices has been published nationally, however at the time of writing this document the State of Wisconsin has not yet adopted it nor any Wisconsin supplement to the MUTCD.

List of Staff Recommended Further Studies

Milwaukee Street & Sprecher Road

- Perform automated approach volume & speed report (completed).
- Perform 1 and 5 year crash history review.
- Perform manual peak hour delay study.
- Perform side by side intersection analysis report.

Henry Mall & University Avenue / Henry Mall & Campus Drive

- Perform automated approach volume & speed report (completed).
- Perform 1 and 5 year crash history review.
- Perform manual pedestrian crossing volume observation (completed).
- Review pedestrian routing and OCR orders impacting nearby routes.

American Parkway & Rattman Road & Hoepker Road

- Perform automated approach volume & speed report (completed)
- Perform 1 and 5 year crash history review.

Old Middleton Road & N Rosa Road

- Perform automated approach volume & speed report (completed).
- Perform 1 and 5 year crash history review.

Milwaukee Road & N Thompson Drive

- Perform automated approach volume & speed report (completed).
- Perform 1 and 5 year crash history review.

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Cottage Grove Road & Maher Avenue & Royster Oaks Drive

- Perform automated approach volume & speed report (completed).
- Perform 1 and 5 year crash history review.

Fish Hatchery Road & Martin Street

- Perform automated approach volume & speed report (completed).
- Perform pedestrian & bicycle crossing count at RRFB crossing (completed).
- Perform 1 and 5 year crash history review.
- Review ped/bike crossing with regards to OCR order to remove RRFB at Fish Hatchery Road & Cannonball Path.
- Perform intersection analysis using expected signal operations.

Odana Road & Potomac Lane

- Perform automated approach volume & speed report (completed).
- Perform 1 and 5 year crash history review.
- Perform vision observations for side street/driveway users.
- Perform side by side intersection analysis comparing signal control vs two way stop control.

Jerry Schippa, Traffic Engineer (267-1969), can respond to your questions or comments regarding technical aspects of these recommendations. At this time we ask the Transportation Commission to discuss these recommendations, amend the list as seen fit, and approve for further study.

Sincerely,

A handwritten signature in black ink, appearing to read "Yang Tao", with a long horizontal flourish extending to the right.

Yang Tao, Ph.D., P.E.
City Traffic Engineer

Enclosures:

2024 Traffic Signal Priority List (Working), Criteria for Installing Traffic Signals