

WISCONSIN AVENUE EXTENSION

MAIN STREET TO PILGRIM PARKWAY

CITY OF BROOKFIELD

VILLAGE OF ELM GROVE

WISCONSIN

November 2014

Revised February 2015

Review of Traffic Analysis & Design, Inc.

Traffic Impact Report

Dated: February 28, 2014

Supplemental Report September 28, 2015

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TES Job No. 14-E-24

The Traffic Analysis & Design, Inc. (TADI) Traffic Impact Analysis (TIA) for Extension of Wisconsin Ave from Main Street to Pilgrim Parkway was submitted to the Village of Elm Grove from the City of Brookfield. The Village of Elm Grove requested Traffic Engineering Services, Inc. (TES) staff to review and identify specific comments that report was submitted in February 2015.

The Traffic Analysis and Design, Inc. (TADI) three intersections studied include:

Bluemound Rd and Moorland Rd/Pilgrim Parkway

Pilgrim Parkway and Watertown Plank Road

Pilgrim Parkway and Ace Hardware north driveway at the proposed extension of Wisconsin Avenue

TES has added one intersection and two street segments for review

Bluemound Road and Terrace Drive/Westmoor Drive

Terrace Drive between Bluemound Road and Watertown Plank Road

Watertown Plank Road between Pilgrim Parkway and Terrace Drive

A review meeting was held at the City of Brookfield. Discussion at the meeting lead to TADI staff being directed by Brookfield to count the vehicles leaving Bakers Square, Mobil and Walgreen's driveways at Watertown Plank Road and then turn left at Pilgrim Road. This was to give an indication of the magnitude of impact on the retail businesses if left turns were prohibited. The August 6 Technical Memorandum summarized the results of the study. The following issues are yet to be addressed:

- Impact on Terrace Drive between Watertown Plank Road and Bluemound Road is approximately doubling the traffic if no left turn is implemented westbound at Pilgrim Parkway.
- Bluemound Rd and Terrace Drive intersection having increased traffic results in a negative impact to vehicles making turns at the intersection.
- U-turns eastbound on Bluemound at Terrace Drive are a safety problem now that added traffic magnifies. Shortening the turn bay by 25-feet to separate U-turns from intersection traffic is needed with or without the proposed changes at Watertown Plank Road and Pilgrim Parkway.
- A roundabout at Wisconsin Ave/Pilgrim Parkway/Ace Hardware Driveway is preferred alternative with no other changes to Pilgrim Parkway Traffic.

Respectfully submitted,

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