

WisDOT Division of Transportation System Development
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February 18, 2021

MICHAEL HAWES ADMINISTRATOR
VILLAGE OF UNION GROVE
915 15TH AVENUE
UNION GROVE WI 53182

Subject: Log #1711 – Development Submittal
Canopy Hills Development
US 45 & 58th Road
Racine County

Dear Mr. Hawes:

Thank you for giving the Wisconsin Department of Transportation the opportunity to review the traffic impact analysis (TIA) performed by Traffic Analysis & Design, Inc (TADi) covering The Villages Development. The review has allowed the Department to understand the impacts of the subject development and identify the improvements needed to US 45 to accommodate this development. The attached lists the improvements that the Department is requesting to be constructed on US 45 as a result of this development.

Implementation of the improvements to US 45 will need to be done through the Department's Permit Process. The permit plans will require design preparation (please see attached plan requirements). **All permits will be issued to the maintaining authority and the design consultant will need to forward permit plans for review and submittal.**

If you have any questions regarding traffic issues, please contact the undersigned at (262) 548-6707. Please direct any questions regarding the Trans 233 process to Lukas Hoffman, Land Division Coordinator, at (262) 548-4415. Kevin Koehnke at (262) 548-5891 will coordinate the permit issuance for this project. Please reference the log number (#1711) when forwarding all correspondence.

Sincerely,

A handwritten signature in black ink, appearing to read "Art Baumann".

Art Baumann, P.E.
Traffic Operations Engineer

Cc: Tony Barth / Robert Elkin / Don Berghammer, DOT
Tom Heydel / Rebecca Klein / Chris Squires DOT
Lukas Hoffman / Kevin Koehnke / Susan Voight, DOT
Don Lee, TADi

Project: Log #1711 – Canopy Hills Development
US 45, Racine County
Review Unit: Traffic Operations
Reviewer: Art Baumann, Sam Zimny – SE Region
Date: February 18, 2021

Improvement Measures

General Notes

Design

- 1) Contact the WisDOT permit coordinator (Kevin Koehnke at 262-548-5891) prior to plan submittal to identify the plans that are required and obtain any supplemental design guidelines. Incomplete submittals will be returned without review.
- 2) The design for the improvements at all WisDOT intersections shall be prepared in accordance with the FDM requirements for design and plan preparation. The design shall accommodate the appropriate design and check vehicles per the FDM. All lanes are to be a minimum of 12 feet in width on US 45, but can be less on local road approaches (final width to be determined during design). All left turn lanes *should* be opposing. All necessary drainage, utility, signage and pavement marking improvements shall be provided. The signing plan (separate plan sheets from other roadway improvement plan sheets) shall include sign details and signs that require moving. US 45 is an over-size, over-weight (OSOW) route. This must be taken into account when designing the permit plans.
- 3) For questions regarding signing or pavement marking, please contact Tom Heydel at tom.heydel@dot.wi.gov or (262) 548-6763.
- 4) For questions regarding work zone traffic control plans please contact Rebecca Klein (rebecca.klein@dot.wi.gov) or the permit coordinator.

Multimodal Accommodations

- 1) Bike and pedestrian accommodations shall be provided in accordance with the FDM and ADA requirements as listed below. Please contact Chris Squires, WisDOT Pedestrian/Bicycle Facilities Coordinator, at (262) 521-4417 or christopher.squires@dot.wi.gov with questions regarding pedestrian/bicycle accommodations.
- 2) For intersections under WisDOT jurisdiction: install bicycle accommodations between the travel lane and all new exclusive right turn lanes; install bicycle accommodations along all new bypass lanes; and bicycle accommodations shall also be installed along all travel lanes that are being reconstructed and have shoulders 6 feet in width or greater.
- 3) Any sidewalks and curb ramps impacted by road improvements shall be restored. Improvements that meet the Americans with Disabilities Act (ADA) definition of an “alteration” will require curb ramp improvements. This includes sidewalks at intersections and those adjacent to roadways.
- 4) All impacted multimodal accommodations (bike, pedestrian, transit, etc.) shall be restored with the reconstruction of any intersection radii.
- 5) The development should strongly consider implementing pedestrian and bike accommodations within any reconstruction or at a minimum providing adequate space to allow for these accommodations to be installed in the future. The Department strongly encourages extending the sidewalk to the south on the western side of US 45 from the proposed 5th Street intersection to 7th Avenue.

Right of Way

- 1) A party other than the WisDOT shall acquire any required right-of-way for the improvements.

Utilities

- 1) Utility coordination is the responsibility of the municipality/developer consultant representative constructing the work.
- 2) Utility relocations that occur as a result of this work may not be covered under Wisconsin Administrative Rule TRANS 220. The municipality/developer (or their consultant representative) requesting the work shall be responsible for all costs associated with the needed relocation of any utility facility as a result of the work.

Access

- 1) Two access points to US 45 will be permitted. The first access to US 45 shall be via public street located across from 58th Road; the existing Trinity Lutheran Church driveway shall be relocated from US 45 to access the new public street. The second access to US 45 shall be via public street located across from the inbound northern high school driveway; the existing St. Robert Bellarmine Church driveway shall be relocated from US 45 to access the new public street.
- 2) **The municipality/developer (or their consultant representative) shall be responsible for notifying any offsite property or business owners whose access or operations will be impacted as a result of the proposed development. The municipality/developer shall provide the department with written documentation verifying that all impacted property or business owners have been contacted prior to permit submittal.**

Build Improvements

The following improvements should be designed, constructed and paid for by the Village of Union Grove/Developer prior to the development opening.

US 45 & 58th Road

- 1) The north approach shall provide two southbound lanes (one shared left-turn/through lane, one exclusive right-turn lane). The southbound right-turn lane shall be maximized and provide an 8:1 taper beginning immediately south of the residential driveway to the north of 58th Road.
- 2) The west approach shall be constructed to provide two eastbound lanes (one shared left-turn/through lane, one exclusive right-turn lane).
- 3) The existing Trinity Lutheran Church driveway shall be removed and relocated to the new west leg of 58th Road.
- 4) No additional improvements are recommended at this intersection.

US 45 & Proposed 5th Street/Inbound North High School Driveway

- 1) The west approach shall be constructed directly across from the inbound high school driveway and provide a single eastbound lane.
- 2) A 100 foot southbound acceleration taper starting with a 10 foot width shall be constructed beginning at the south radius return in the southwest quadrant of the new intersection.
- 3) The existing St. Robert Bellarmine Church driveway shall be removed and relocated to access the new 5th Street. If agreement is not able to be reached on the relocation of the driveway, please contact WisDOT to discuss options.
- 4) No additional improvements are recommended at this intersection.