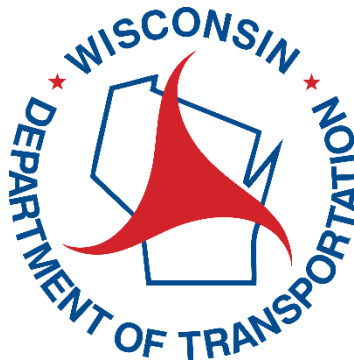


# Public Involvement Meeting Handout

**WIS 113  
Madison – Lodi  
Knutson Dr – WIS 19  
Dane County**

Project ID: 5420-02-02/72



**Virtual Public Involvement Meeting**

## Purpose of the meeting

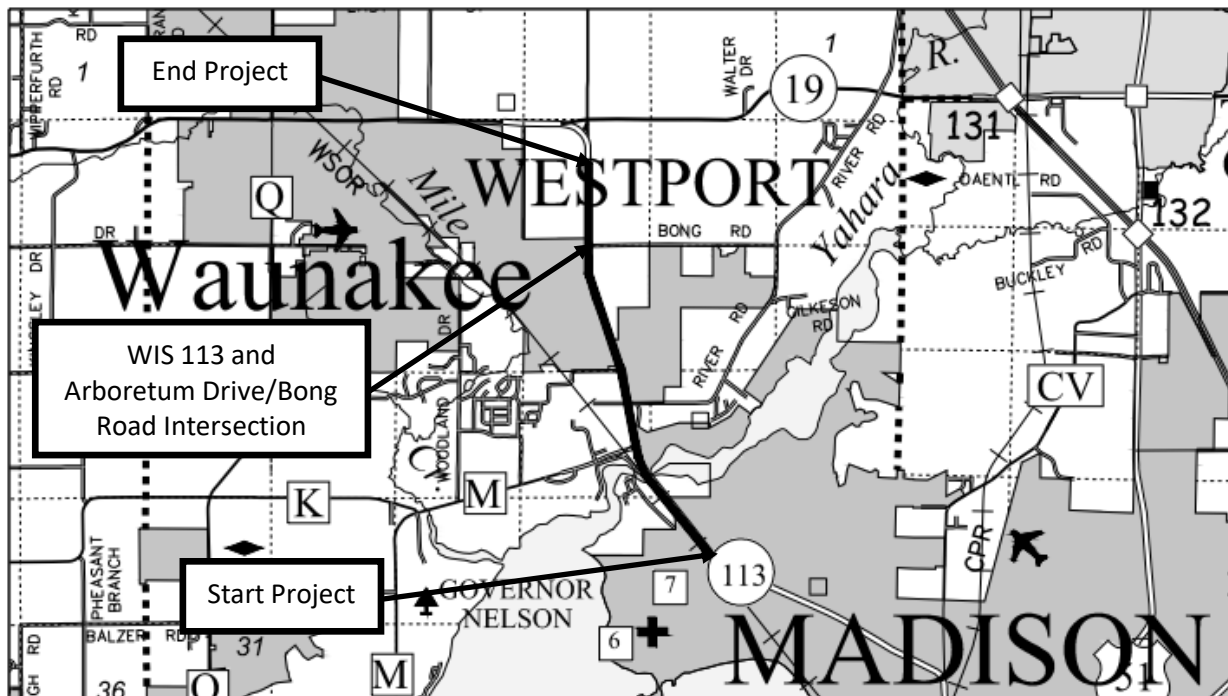
The Wisconsin Department of Transportation (WisDOT) is planning improvements to WIS 113 from Knutson Drive to WIS 19, including the intersection of WIS 113 with Arboretum Drive/Bong Road, in Dane County. The project will improve the safety and mobility of highway users in the area.

The purpose of this meeting is to gather public input on the identified project needs and proposed improvements. The meeting will follow an online presentation format.

## Project information

The Wisconsin Department of Transportation (WisDOT) is developing preliminary plans for a pavement replacement project on WIS 113. The 5.31-mile-long project is located in the Town of Westport. It will begin 200-feet northwest of the Knutson Drive intersection and end at the WIS 19 roundabout. The intersection of WIS 113 and Arboretum Drive/Bong Road will be replaced with a new single lane roundabout to help improve and address safety concerns with the current intersection layout.

The WIS 113 intersection is located on east side of the Village of Waunakee limits in a predominately rural area. WIS 113 is a north/south roadway. Arboretum Drive is the west leg of the intersection and Bong Road is the east leg of the intersection.



**WIS 113 and Arboretum Drive/Bong Road Intersection Location Map**

Last rehabilitated in 2004, the deteriorating pavement, shoulders, and pavement markings need improvement. The existing asphalt pavement has poor ride quality with significant longitudinal cracking and heaving.

Proposed improvements include:

- Pavement Replacement
  - Remove existing asphaltic pavement and underlying aggregate
  - Replace with two aggregate layers over geogrid material and Hot Mix Asphalt (HMA)
- Structure repairs on WIS 113 northbound bridge over the Yahara River
- WIS 113 and Arboretum Drive/Bong Road intersection – new single-lane roundabout
- New monotube traffic signals and off-set left turn lanes at River Road intersection
- Curb ramp reconstruction to meet Americans with Disabilities Act (ADA) standards
- New pavement markings and shoulder aggregate

The environmental document for this project is currently being developed by the project team.

## **WIS 113 and Arboretum Drive/Bong Road intersection information**

The intersection of WIS 113 and Arboretum Drive/Bong Road has demonstrated a history of severe crashes. Between 2015 and 2019, 15 crashes were recorded at the intersection; 13 of which resulted in injuries. The majority of the crashes were rear-end crashes with WIS 113 northbound or southbound left turning vehicles, and right-angle crashes. Contributing factors for the crashes include high speeds on WIS 113, failure to stop for left turning vehicles, and failure to stop at the side street stop signs.

Vehicles on Arboretum Drive and Bong Road also experience delay and queuing, especially during the morning and evening peak hours. With minimal gaps in WIS 113 traffic, drivers on the side roads may be tempted to make higher-risk decisions when turning onto WIS 113, which could also contribute to number of crashes at the intersection.

A study completed in April 2020 reviewed alternatives for improving safety operations at the intersection. The following alternatives were evaluated:

- No-action
- Traffic Signal
- Single-lane Roundabout

The no-action alternative assumes no improvements will be completed at the intersection. The intersection will continue to experience high crash rates with increased likelihood of injuries or fatalities. Congestion will also increase as traffic grows, which will result in longer delays and potentially risky decision-making. A no-action alternative will not address the identified needs of improving operations and safety, and is not the preferred alternative.

The traffic signal alternative consists of adding dedicated right turn and left turn lanes on WIS 113 while Arboretum Drive and Bong Road remain as single lane entries. A median is also added to separate northbound and southbound WIS 113 traffic. Bicycle lanes are provided on all approaches.

The roundabout alternative consists of reconstructing the intersection as a single-lane roundabout. A bicycle ramp is provided on Arboretum Drive to connect the existing multi-use path to the on-street bicycle lane. Bicyclists can enter the roadway on Arboretum Drive to navigate the intersection. A crossing of the south leg of WIS 113 is also provided to maintain the connectivity that exists today. Bicyclists utilizing the 8-foot wide paved shoulders on WIS 113 will

be required to enter the vehicular travel lane to navigate the intersection. Grading will be included for a future path around the intersection.

Three of the most important components when considering improvements are: operation, safety, and cost; all of which were evaluated in the April 2020 study. The study found that both the traffic signal and roundabout alternatives will have satisfactory operations, and both alternatives are predicted to have improved safety performance compared to the existing stop-controlled intersection. The severity of crashes could still be high with the traffic signal alternative due to the speeds on WIS 113. Also, traffic analyses show that the queue lengths on WIS 113 during the morning and evening peak periods are predicted to be shorter with the roundabout alternative than queues with the traffic signal alternative. Delay during off-peak periods is also often less at roundabouts compared to traffic signals. The construction cost of the traffic signal alternative is estimated to be higher than the roundabout alternative due to extensive approach work needed for the new turn lanes.

Currently, a roundabout is the preferred alternative because it will address the high rate of serious crashes and better serve the traffic demands, at a lower cost than the traffic signal alternative.

## **Proposed traffic impacts**

Construction is currently scheduled to begin in summer 2025 with potential advancement to 2023.

During construction, traffic on WIS 113 will be staged with lane closures from Knutson Drive to County M. WIS 113 will be closed to through traffic from County M to WIS 19 and a detour will be posted.

Local access will be maintained throughout the project duration. Business and residential access will be maintained at all times and pedestrian accommodations will be made for sidewalk closures.

## **Real estate**

No additional real estate is anticipated to be needed for the construction of WIS 113 and the roundabout at Arboretum Drive and Bong Road.

## **Project update/next steps**

Construction is currently scheduled for 2025, but the project could be advanced to 2023 if funding becomes available.

Previous Meetings:

- Local Officials Meeting December 2020

Project Update:

- Virtual Public Involvement February/March 2021

- Environmental Document Spring 2021
- 60% Preliminary Plans May 2022
- Design Study Report May 2022
- 90% Plans May 2024
- Plan Submittal August 2024
- Project Letting November 2024
- Construction Summer 2025

## **Public input/comments**

We encourage you to provide comments on the proposed design. Your comments assist us in developing a project that will serve the needs of the traveling public as well as the needs of the local community. Your input is welcome and appreciated throughout the design process. Feel free to submit comments using the downloadable comment form on the project website or email the project manager listed below. Please provide comments by March 21, 2021.

For more information, please contact:

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