

# WisDOT TMP Documentation and Request for Approval

TMP ID: 4826

Approved (60%)

This is a request for approval of the Transportation Management Plan (TMP) for the project detailed below. Impacts resulting from project activities meet the current work zone policies of the Wisconsin Department of Transportation.

## 1A. Project Information:

**TMP Type:** Type 2

**Region:** NE

**Local Program:** No

**Created Comment:**

**Federal Oversight:** Yes

**Design ID:** 9200-10-00

**Project Title:** Shawano - Green Bay; CTH VV Interchange

**County:** BROWN

**Highway:** WIS 29

**AADT:** 23000

**AADT Year:** 2018

**Construction ID:** 9200-10-71

**Project Type:** Reconstruction

**Project Limits:** Shawano - Green Bay; CTH VV Interchange

**Project Length:** 1.338 Mile(s)

**Project Duration:** 580 Day(s)

**Engineer's Estimate:** more than \$10M

**PS&E Date:** 05/01/2020

**LET Date:** 09/08/2020

**NHS Route:** Yes

## 1B. Project Impacts:

**Anticipated Begin:** 04/2021

**Anticipated End:** 10/2022

**OSOW Route:** Yes

## 1C. Location:

### Highway

**Location #** 1

**Begin County:** BROWN

**End County:** BROWN

**Highway:** WIS 29 EB

**Closure Type:** Mainline

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**Begin Landmark:** BROWN - OUTAGAMIE CO LINE | WIS 29 EB/WIS 32 SB |  
BROWN

**Direction From:** At Landmark

**Distance From:** 0 Mile(s)

**End Landmark:** COUNTY FF (B-05-0402 BEGIN) | WIS 29 EB/WIS 32 SB |  
BROWN

**Direction From:** At Landmark

**Distance From:** 0.00 Mile(s)

  

**Location #** 2

**Begin County:** BROWN

**End County:** BROWN

**Highway:** WIS 29 WB

**Closure Type:** Mainline

**Begin Landmark:** COUNTY FF (B-05-0402 BEGIN) | WIS 29 WB/WIS 32 NB |  
BROWN

**Direction From:** At Landmark

**Distance From:** 0.00 Mile(s)

**End Landmark:** OUTAGAMIE - BROWN CO LINE | WIS 29 WB/WIS 32 NB |  
BROWN

**Direction From:** At Landmark

**Distance From:** 0.00 Mile(s)

  

**Location #** 3

**Begin County:** BROWN

**End County:** BROWN

**Highway:** WIS 54 EB

**Closure Type:** Mainline

**Begin Landmark:** COUNTY FF | WIS 54 EB | BROWN

**Direction From:** At Landmark

**Distance From:** 0.00 Mile(s)

**End Landmark:** COUNTRY CLUB RD | WIS 54 EB | BROWN

**Direction From:** At Landmark

**Distance From:** 0.00 Mile(s)

  

**Location #** 4

**Begin County:** BROWN

**End County:** BROWN

**Highway:** WIS 54 WB

**Closure Type:** Mainline

**Begin Landmark:** COUNTRY CLUB RD | WIS 54 WB | BROWN

**Direction From:** At Landmark

**Distance From:** 0.00 Mile(s)

**End Landmark:** COUNTY FF | WIS 54 WB | BROWN

**Direction From:** At Landmark  
**Distance From:** 0.00 Mile(s)

**Local Road**

**Begin County:** BROWN  
**End County:** BROWN  
**Roadway Name:** CTH VV  
**Begin Landmark (LR):** CTH U  
**End Landmark (LR):** WIS 29

**Begin County:** BROWN  
**End County:** BROWN  
**Roadway Name:** Marley Street  
**Begin Landmark (LR):** WIS 29  
**End Landmark (LR):** Glendale Avenue

**Begin County:** BROWN  
**End County:** BROWN  
**Roadway Name:** CTH U  
**Begin Landmark (LR):** CTH VV  
**End Landmark (LR):** School Lane

**Begin County:** BROWN  
**End County:** BROWN  
**Roadway Name:** Milltown Road  
**Begin Landmark (LR):** Marley Street  
**End Landmark (LR):** Bronco Court

**Begin County:** BROWN  
**End County:** BROWN  
**Roadway Name:** CTH FF  
**Begin Landmark (LR):** WIS 54  
**End Landmark (LR):** WIS 29

**Begin County:** BROWN  
**End County:** BROWN  
**Roadway Name:** Glendale Avenue  
**Begin Landmark (LR):** Marley Street  
**End Landmark (LR):** CTH U

**2. Brief description of work activities.**

The improvements along WIS 29 will consist of a diamond interchange for County VV and removal of the at grade access at County U. The interchange at County VV will consist of realigning County VV beginning south of WIS 29, approximately 2700 feet west of the intersection of County VV and Overland Road. An overpass will be constructed approximately 1700 feet west of the existing at-grade intersection of County VV and WIS 29. The construction will end approximately 500 feet north of the Marley Street and Millwood Court intersection. On and off ramps will be constructed for both eastbound and westbound lanes of WIS 29. Milltown Road will also be realigned, intersecting with Marley Street approximately 400 feet south of Millwood Court. The section of relocated Milltown Road will be called Evergreen Avenue. The relocated roadway ends approximately 2300 feet east of the existing Milltown Road intersection with WIS 29. A new roadway called Centerline Drive will be constructed between County VV and North Overland Road. As part of the project broadband fiber optic will be installed. The new fiber will run from the intersection of WIS 54/Country Club Road west on WIS 54 to County FF, north of County FF to WIS 29, west on WIS 29 to Marley Street, north on Marley Street to Glendale Avenue, west on Glendale Avenue to County U, finally north on County U to School Lane.

### **3. Briefly describe the staging planned for maintaining traffic.**

Interchange Construction: Access will be maintained at all times to adjacent businesses and residents from at least one direction. Stage 1 (April 2021 - July 2021) All roadways will be open to traffic with work taking place off alignment. Stage 2 (July 2021 - October 2021) Marley Street will be closed from Milltown Road to Glendale Avenue to allow for the construction of the roundabout at Marley Street/Evergreen Avenue. In addition Milltown Road will be closed east of Marley Street to allow for the construction of Evergreen Avenue to Milltown Road. Access to the existing businesses west of the new Evergreen Avenue connection to Milltown Road will still have access to WIS 29 during this stage. Connection Road will also be constructed in stage under flagging conditions to maintain access to the businesses. At the end of Stage 2, Marley Street/Evergreen Avenue roundabout along with new Evergreen Avenue will be completed and will provide access between Milltown Road and Marley Street. A temporary connection will be made between WIS 29 and Old Milltown road Connection Road, therefore allowing access from WIS 29 to Evergreen Avenue. Stage 3 (November 2021 - March 2022) Structure work will take place with lane closures on WIS 29. The west RCUT will be removed and traffic from Marley Street/Milltown Road looking for WIS 29 EB or WIS 32 SB will have to travel to WIS 32 interchange to turn around. Roadway work will be shut down for winter. Stage 4 (April 2022 - July 2022) CTH VV will be closed to allow for construction of the CTH VV/CTH TS roundabout. Access from Triangle Drive to WIS 29 will be maintained during this stage. CTH VV west of the project will be detoured to CTH U north to WIS 29 east back to CTH VV. Stage 5 (July 2022 - August 2022) During one of the last construction stages of the project, to complete the ramps A, B, & D connecting to WIS 29, access to WIS 29 from Triangle Drive will be closed. Lane closures will be required on WIS 29. CTH VV/CTH TS roundabout will be opened to allow a connection from CTH VV to North Overland Road via CTH TS. The detour of CTH VV will remain in place from the last stage. Stage 6 (September 2022 - October 2022) Ramp A will be connected to WIS 29. Existing RCUTS will be removed. In addition CTH U access to WIS 29 will be removed. CTH U will be reconstructed to connect into Old 29 Road. Lane closures will be required along WIS 29. CTH VV interchange with Ramps A, B, & D, including CTH VV, Marley Street, Milltown Road, Evergreen Ave, and CTH TS Drive will be completed and open to traffic. See attached conceptual staging plans for additional information. Broadband Fiber Construction:

Construction will be completed with single lane closures and shoulder closures according to Standard Detail Drawings. Exact locations are unknown at this time due to plans currently under design.

**4. Will there be restrictions on pedestrian/bicycle access?**

☐ Yes ☒ No

**5. Briefly describe how access to traffic generators, businesses, school buses, garbage trucks, postal services, and transit impacts will be mitigated (alternate routes, etc.).**

**a) Are the strategies in compliance with ADA?**

Access to businesses along the project corridor will be maintained by use of construction staging and by the use of the sideroads. Coordination will take place with the local schools regarding school bus routes along the project corridor. Coordination will also take place with garbage collection and postal services as the design continues. All strategies are in compliance with ADA.

**b) Is access to bus stops affected?**

☐ Yes ☒ No

**6. Will the project have lane closures?**

☒ Yes ☐ No

**If Yes:**

**a) Are there restrictions on when lane closures are allowed?**

☒ Yes ☐ No

**b) What hours/days are lane closures permitted?**

Lane closure restriction hours on WIS 29 will be Westbound Mon-Wed 2pm-6pm, Thurs 1pm-6pm, Fri 10am-7pm, Sat 10am-2pm. Eastbound Mon-Wed 6am-9am, 3pm-5pm, Thurs 6am-9am, 3pm-6pm, Fri 6am-6pm, Sun 11am-5pm. Hauling across WIS 29 will be allowed with single lane inside closure on WIS 29, due to overhang concerns of scrapers and dump trucks within the median. With the assistance of flaggers on each side of the haul road and lighted intersections, the hauling can take place between the hours of 8pm-5am. Flaggers should only be directing the hauling aspect and NOT mainline WIS 29 traffic. Full rolling closures are allowed for girder setting on WIS 29 as follows: Eastbound 8pm-5am, Westbound 9pm-6am. Coordination with State Patrol or County Sheriff's needs to be made for assistance with these full rolling closures a minimum of 7 days prior to needing them.

**c) How were traffic counts used in determining permitted lane closure times?(For multi-lane roadways, indicate peak hour volume per direction of travel. For two-lane, two-way roadways indicate AADT)?**

Lane closures were provided by the Northeast Region.

**7. Please provide the following.**

**a) Minimum lane width to be maintained.**

12 Feet

**b) Minimum lane width plus shoulder width to accommodate OSOW.**

16 Feet

**c) Minimum height (if less than typically available)**

Minimum height to be maintained.

**8. Will the project be detoured?**☒ Yes ☐ No**a) Explain length of detour, travel times, improvements required for signal timing, surface and shoulder conditions, capacity, etc**

CTH VV will be detoured in year two of construction. The detour will start at the CTH VV/CTH U intersection. Traffic will follow CTH U to WIS 29, then take eastbound WIS 29 back to CTH VV. Detour length is approximately 2 miles, with an additional travel time for the detour of less than 5 minutes. With the removal of the West RCUT, WIS 29 EB and WIS 32 SB will be detoured. Detour will begin at west RCUT and follow WIS 29 WB and WIS 32 NB to the WIS 32 interchange. At the interchange traffic will exit, turn south, then enter WIS 29 EB and WIS 32 SB and flow this back to the west RCUT. Detour length is approximately 5.75 miles, with an additional travel time for the detour of approximately 5-10 minutes.

**b) Are there width and height restrictions on the detour?**☐ Yes ☒ No**9. List major special events and holidays, and how traffic disruptions will be minimized.**

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying WIS 29 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods: - From noon Friday, May 28, 2021 to 6:00 AM Tuesday, June 1, 2021 for Memorial Day; - From noon Friday, July 2, 2021 to 6:00 AM Tuesday, July 6, 2021 for Fourth of July; - From noon Friday, September 3, 2021 to 6:00 AM Tuesday, September 7, 2021 for Labor Day; - From noon Friday, November 19, 2021 to 6:00 AM Monday, November 22, 2021 for Opening Deer Gun Hunting; - From noon Wednesday, November 24, 2021 to 6:00 AM Monday, November 29, 2021 for Thanksgiving; - Lambeau Field event for any expected attendance over 30,000 people, from five hours prior to event until 8 hours after the start of the event. - From noon Friday, December 24, 2021 to 6:00 AM Monday December 27, 2021 for Christmas; - From noon Friday, December 31, 2021 to 6:00 AM Monday January 3, 2022 for New Years; - From noon Friday, May 27, 2022 to 6:00 AM Tuesday, May 31, 2022 for Memorial Day; - From noon Friday, July 1, 2022 to 6:00 AM Tuesday, July 5, 2022 for Fourth of July; - From noon Friday, September 2, 2022 to 6:00 AM Tuesday, September 6, 2022 for Labor Day.

**10. Describe the method(s) (LCAT, Quadro, FDM 11-50-30, etc.) used to**

**estimate motorist delays or queue length (Applicable only for freeways, expressways, and signalized corridors).**

Coordination with region is ongoing.

**11. What is the anticipated travel delay during the project for each impacted roadway? The Regional Work Zone Engineer can assist you in determining your delay. If the project anticipates using Lane Rental, Enhance Liquidated Damages, Interim Liquidated Damages, or other alternative contracting method that uses road user costs, include what the delay will be from the impacts. For a Lane Rental, what will be the queuing and additional delay if the roadway is not reopen?**

Coordination is ongoing with region. Cost for potential Lane Rental costs and Interim Liquidated Damages will be determined at the 90% TMP.

#### **Delay and Queue Information**

#	Location Description	Delay (min)	Queue (mi)	Delay Cause
1	WIS 29 EB From BROWN - OUTAGAMIE CO LINE to COUNTY FF (B-05-0402 BEGIN)	0	0.0	
2	WIS 29 WB From COUNTY FF (B-05-0402 BEGIN) to OUTAGAMIE - BROWN CO LINE	0	0.0	
3	WIS 54 EB From COUNTY FF to COUNTRY CLUB RD 0		0.0	
4	WIS 54 WB From COUNTRY CLUB RD to COUNTY FF 0		0.0	

**12. Identify alternate routes anticipated, and any alternate route improvements or signing planned.**

No alternate route is anticipated for WIS 29. Anticipated alternate routes for local roads include Glendale Avenue, North County Line Road, Centennial Centre Blvd. No improvements are planned for alternative routes.

**13. Are any intersection traffic control changes proposed such as temporary signals, temporary changes to an all way stop, etc?**

There are no intersection improvements planned for the project.

**14. Are there anticipated traffic impacts from the proposed project on other roads/routes in the region/corridor? Identify other projects in the corridor (only if delay anticipated on this project).**

There are no anticipated traffic impacts on other routes. The Village of Hobart will be constructing a roundabout on North Overland Road in 2021 at the future connection of Centerline Drive. Brown County will be reconstructing Marley Street from Millwood Court to Glendale Avenue in 2022.

**15. Does the project affect other regions/states?**

☐ Yes ☒ No

## 16. Check mitigation strategies planned

### STRATEGY

### COMMENTS

☒ Public information campaigns

WisDOT will provide a media release and put on the WisDOT Website when road work will begin. Project updates will be released weekly to keep public up to date.

☒ Off-peak lane closures

Restrictions for when lanes can be closed.

☐ Temporary widening to maintain traffic lanes

☒ Changeable message signs (PCMS)

Changeable message signs will be used to inform the traveling public of changes in staging prior to the switch and also before road closures.

☐ Ramp closures

☐ Temporary signals/timing revisions

☐ Coordination with adjacent projects

☒ Innovative contracting, ( lane rental, A+B, etc)

Lane Rental

☐ Temporary Emergency Pullouts

☐ Motorist service patrols

☒ Nighttime Work

Setting of bridge beams will require nighttime rolling closures of WIS 29.

☐ Enhanced Traffic control devices  
(Wet reflective pavement marking, temp concrete barrier, etc)

☒ Reduced regulatory speed limit  
(requires declaration approved by Regional Traffic Engineer, & by BTO if 65-mph hwy or higher speed facility.)

Speed limit to be reduce along WIS 29 during lane closures and lane restrictions for safety.

## 17. Describe public information strategies planned (coordinate this activity with your Regional Communications Manager).

WisDOT will provide media releases weekly to inform the public of project progress. In addition the contractor will hold business meetings to update businesses and public of schedule and work operations.

## 18. Describe incident management strategies planned.



Emergency services will be notified by the Contractor of the roadwork so their routes can be adjusted accordingly. Coordination will be ongoing during construction as staging changes and access routes change.

**19. Describe how transit impacts will be mitigated.**

There are no transit routes through the project area. School bus routes coordination is ongoing to minimize impacts.

**Attachments:**

Attachments for TMP ID 4826 are listed below.

[f] Conceptual Staging.pdf  
[f] Project location map.pdf  
[f] Traffic.pdf

\* [F] represents folder and [f] represents file.

**Approvals:****60% Approval**

<b>Signature Role</b>	<b>Signature Status</b>	<b>Signatory</b>	<b>Signed On</b>
Project Manager (PM)	Signed	Matt Ternes	08/09/2019 09:41 AM
Bureau of Traffic Operations (BTO)	Signed	Andrew Heidtke	11/25/2019 15:52 PM
Regional Traffic (RT)	Signed	Joshua Falk	12/02/2019 10:02 AM
Regional Project Development Chief (RPDC)	Signed	Tom Buchholz	12/02/2019 12:32 PM
Federal Highway Administration (FHWA)	Signed	David Jolicoeur	01/21/2020 12:37 PM