WisDOT TMP Documentation and Request for Approval

TMP ID: 3874

Current Version

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:	NC
Local Program:	No
Created Comment:	60% document
Federal Oversight:	No

Design ID:	6210-00-03
Project Title:	RIPON - AURORAVILLE
County:	WAUSHARA
Highway:	WIS 49
AADT:	4534
AADT Year:	2017

Construction ID:	6210-00-73
Project Type:	RESURFACING (OVERLAY < 2.5 INCHES)
Project Limits:	GREEN LAKE COUNTY LINE TO STH 21
Project Length:	4.5 Mile(s)
Project Duration:	90 Day(s)
Engineer's Estimate:	$1M-3M
PS&E Date:	02/01/2019
LET Date:	05/14/2019
NHS Route:	No

Construction ID:	6210-01-60
Project Type:	Culvert repair and replacement
Project Limits:	Green Lake County Line to STH 21
Project Length:	4.5 Mile(s)
Project Duration:	90 Day(s)
Engineer's Estimate:	$1M-3M
PS&E Date:	02/01/2019
LET Date:	05/14/2019
NHS Route:	No

1B. Project Impacts:

Anticipated Begin:	06/2019
Anticipated End:	09/2019

OSOW Route: No

1C. Location:

Highway

Location # 1
Begin County: WAUSHARA
End County: WAUSHARA
Highway: WIS 49 SB
Closure Type: Mainline
Begin Landmark: WIS 21 EB | WIS 49 SB | WAUSHARA
Direction From: Downstream from landmark
Distance From: .01 Mile(s)
End Landmark: GREEN LAKE - WAUSHARA CO LINE | WIS 49 SB | WAUSHARA
Direction From: At Landmark
Distance From: 0.00 Mile(s)

Location # 2
Begin County: WAUSHARA
End County: WAUSHARA
Highway: WIS 49 NB
Closure Type: Mainline
Begin Landmark: GREEN LAKE - WAUSHARA CO LINE | WIS 49 NB | WAUSHARA
Direction From: At Landmark
Distance From: 0.00 Mile(s)
End Landmark: WIS 21 EB | WIS 49 NB | WAUSHARA
Direction From: Upstream from landmark
Distance From: .01 Mile(s)

2. Brief description of work activities.

It is proposed to remove 1-3/4" of existing asphaltic pavement and place 1-3/4" of new asphaltic pavement 30' wide along STH 49 from the Green Lake County Line to just south of the STH 21 intersection.

This project will also include 4 locations for endwall replacement and 2 locations for culvert pipe replacement.

Pavement marking and centerline rumble strips will be included in this project.

3. Briefly describe the staging planned for maintaining traffic.

Culverts ID 6210-01-60

The cross culverts that are being replaced will be completed with lane shifts under continuous flagging until the roadway can be opened with two 12 foot lanes. Culvert endwall work will be done using shoulder closures. Maintain a minimum of one 12 foot lane at all times.

Roadway ID 6210-00-73

Traffic may be restricted to a single lane with flagging operations during daylight hours within the area of construction operations. The single lane restriction will be limited to a single continuous length not exceeding 1 mile. WIS 49 and all intersecting roads will remain open to traffic throughout construction. One 12 foot lane will be maintained at all times in the work zone.

No centerline vertical drop offs will be allowed for more than 48 hours. Any milled surface may be exposed to traffic for a maximum or 72 hours. Temporary paint will be applied to the centerline of the roadway at the end of each workday that lines are milled off.

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?

Residential, business, emergency service, school bus, postal and garbage service access will be maintained during construction. WIS 49 will remain open to traffic during construction. Short delays can be expected during lane closures while work is directly in front of driveways or side roads.

There are no existing crosswalks within the project limits; the project maintains existing conditions.

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 closures will be of limited to one mile in length due to moving operations: flagging will be used to route traffic around the work operations. Lane closures will be permitted during daylight hours.

During pipe replacement lane closures will be limited to the area of the pipe work and restoration of the STH 49 lanes will be completed before the end of the day.

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)?

AADT (2015) 3600

AADT (2019) 3900

Based on the current and forecast amounts of traffic it is not anticipated that there will be any significant delays to the traveling public during daytime flagging operations.

7. Please provide the following.

a) Minimum lane width to be maintained.
12' of pavement

b) Minimum lane width plus shoulder width to accommodate OSOW.
12' of pavement

c) Minimum height (if less than typically available)
N/A - no new or altered height restrictions are anticipated.

8. Will the project be detoured?

☐ Yes ☑ No

9. List major special events and holidays, and how traffic disruptions will be minimized.

No special events were identified during discussions with local officials. Only comment from local officials was regarding the completion date of the project to accommodate fall harvest.

Special provisions will restrict work during the following holiday periods:

-From noon July 3rd to 6 a.m. July 8th

-From noon Friday August 30, 2019 to 6:00 a.m. Tuesday September 3, 2019

-From noon August 30th to 6 a.m. September 3rd

During these times, no work will be performed and no materials of any kind will be hauled along or across any portion of the highway carrying STH 49 traffic, and the traveled way and shoulders of such portions of the highway will be entirely cleared of equipment, barricades, signs, lights and any other material that might impede the free flow of traffic.

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).

N/A

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?

Anticipated less than 5 minutes

Delay and Queue Information

#	Location Description	Delay (min)	Queue (mi)	Delay Cause
1	WIS 49 SB From WIS 21 EB to GREEN LAKE - WAUSHARA CO LINE	5	0.0	Flagging
2	WIS 49 NB From GREEN LAKE - WAUSHARA CO LINE to WIS 21 EB	5	0.0	Flagging

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

No alternate route improvements or signage is planned.

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

No intersection traffic control changes are proposed.

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).

Traffic impacts are not anticipated on other roads/routes.

15. Does the project affect other regions/states?

☐ Yes ☑ No

16. Check mitigation strategies planned

STRATEGY	COMMENTS
☐ Public information campaigns	
☐ Off-peak lane closures	
☐ Temporary widening to maintain traffic lanes	

- ☐ Changeable message signs (PCMS)
- ☐ Ramp closures
- ☐ Temporary signals/timing revisions
- ☐ Coordination with adjacent projects
- ☐ Innovative contracting, (lane rental, A+B, etc)
- ☐ Temporary Emergency Pullouts
- ☐ Motorist service patrols
- ☐ Nighttime Work
- ☐ 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.)

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

Letter was sent to all property owners within the project limits.

Fixed message sign will be utilized prior to construction starting to notify the public.

Local Official Meeting was held in June of 2018.

Information on the WIS 49 construction duration will be placed on the WisDOT website.

18. Describe incident management strategies planned.

Emergency vehicles will have access at all times during construction.

The Statewide Traffic Management Center will answer responders and emergency personnel calls received on WisDOT's statewide incident notification number; the TMC will notify the appropriate WisDOT staff for response. TMC will update the traveler information systems, including the 511 system.

19. Describe how transit impacts will be mitigated.

N/A - no impacts to transit

Attachments:

Attachments for TMP ID 3874 are listed below.

[f] Project Location Map.pdf
[f] 17_10_09_TFReport_STH 49_62100003.pdf
[f] Lane Shift.pdf
[f] Traffic Control for Lane Closure with Flagging Operation.pdf

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

Approvals: