
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.

Section 1A - Project Information:

TmpType:	2
Region:	NC
Local Program:	No
Created Comment:	
Federal Oversight:	No
Design ID:	6300-00-03
Project Title:	WAUTOMA - WAUPACA PORTAGE COUNTY LINE TO USH 10 RAMPS
County:	WAUPACA
Highway:	WIS 22
Construction Year:	2020
Mainline AADT:	4800
Crossroad AADT:	4100

Section 1B - Project Impacts:

Anticipated Begin:	2020-07-06
Anticipated End:	2020-10-16
OSOW Route:	No
OSOW Type:	

Section 1C - Location:

Location Number:	1
Begin County:	WAUPACA
End County:	WAUPACA

Highway:	WIS 22 NB
Closure Type:	Mainline
Begin Landmark:	PORTAGE - WAUPACA CO LINE
Direction From:	At Landmark
Distance From (mi):	0.0
End Landmark:	WESTERN AVE
Direction From:	Upstream from landmark
Distance From (mi):	0.22
Location Number:	2
Begin County:	WAUPACA
End County:	WAUPACA
Highway:	WIS 22 SB
Closure Type:	Mainline
Begin Landmark:	USH10-STH49/54 EB (B-68-0074 BEGIN)
Direction From:	Downstream from landmark
Distance From (mi):	0.07
End Landmark:	PORTAGE - WAUPACA CO LINE
Direction From:	At Landmark
Distance From (mi):	0.0

Section 2-Project Description

Brief description of work activities:

It is proposed to mill 2 inches of existing asphalt and replace it with 2 inches of HMA Pavement on STH 22 from the Portage/Waupaca County Line to USH 10 (10.45 miles). Damaged concrete curb and gutter will be replaced at many of the 19 side road intersections along the corridor. Three cross culverts will be replaced. Existing curb ramps along the multi-use trail from CTH K to USH 10 will be replaced

and upgraded with raised detectable warning fields to bring them into ADA compliance.

Section 3

Within the project limits are there:

Pedestrians: No
Bicyclists: Yes
Transit Service: No
Railroads: No
Airports: No
Commercial waterway: No
Controlled intersections: Yes
Dynamic message boards: No

What are the current traffic conditions:

Posted speed(mph): 55
Normal travel time(min): 11
Current capacity(vphpl): 1900
Truck %: 21
Queueing present: No
Queueing when:

Section 4

List of chosen strategies:

Strategy	Justification/Comment	Cost
Flagging Operation/One-lane, Two-Way Operation	Mill & Overlay project on 2-lane rural highway	\$45000
Temporary Signal/One-lane, Two-Way Operation	Used for a 36" cross culvert replacement built half at a time.	\$5000
Temporary Concrete Barrier	Installed as part of the temporary signal installation.	\$7000

Strategy	Justification/Comment	Cost
Temporary Traffic Control Signs	Advanced warning signs on mainline and sideroads	\$6000
Fixed Message Signs	Installed prior to construction zone	\$200

Cost of chosen strategies (sum of strategy costs): \$63200

Section 5

Describe how access to traffic generators (businesses, schools, etc.) and everyday services will be maintained:

Milling and paving operations and replacing cross culverts at stations 342+49 and 501+08 will be done under traffic utilizing a flagging operation. With the current traffic volumes on STH 22, work zone lengths will not exceed 1.5 miles. Should queues become large and delay exceed 5 minutes the work zone may be shortened. STH 22 will be open to traffic at all times during construction hours. During non-construction hours both lanes of STH 22 will be open to traffic. Businesses, residents, and the school will have access at all times. Replacing the cross culvert at station 486+69 will be done by restricting traffic on STH 22 to one lane by utilizing a temporary signal installation similar to one used for bridge construction. The setup will close one lane while half of the pipe is installed and then be switched to close the other lane to allow for completion of the pipe installation. Traffic will utilize the remaining lane width and shoulder through the work zone. Each half of pipe is expected to take 5 days maximum to install. STH 22 will be open to traffic at all times during construction and non-construction hours during this time. Businesses, residents, and the school will have access at all times. For curb and gutter replacement and handicap ramp work, traffic control drums and signage will be installed along the edge of the road to delineate the work zone. This is essentially a shoulder closure. There is sufficient width to allow two lanes of traffic to operate on the side roads. When work requires the use of one of the lanes during daytime hours, flaggers will be used as necessary.

Describe how impacts to bicycle riders will be mitigated/coordinated:

The multi-use path on the north side of STH 22 between CTH K and USH 10 will be closed to construct the curb ramps improvements. The construction zone for the ramps extends approximately 15-25 feet behind the existing curb and gutter. Construction of these curb ramps is anticipated to take

one week and will happen while school is out of session. The multi-use path will be closed using barricades and signs as shown on SDDs 15D30-05a, b & c. Temporary sidewalk and curb ramps will be installed to allow pedestrians and bicyclists to access the multi-use path. Bicyclists can also use the paved shoulder on STH 22 or a local side road (Western Avenue) which runs parallel to STH 22 between USH 10 and CTH K approximately 450 feet to the north.

Are there anticipated traffic impacts from the proposed project on other road/routes in the region/corridor?

No. STH 22 will operate as it currently does with full access. Minor delays due to the flagging operation and temporary traffic signals are expected but should not cause motorists to seek other routes or impact other regional corridors.

Does the project affect other regions/states?

No. This project is very localized in nature.

List holidays or major special events that occur during the project:

Holiday/Special Event	Begin Date	End Date
Memorial Day	05/22/2020 12:00 PM	05/26/2020 06:00 AM
July 4	07/02/2020 12:00 PM	07/06/2020 06:00 AM
Labor Day	09/04/2020 12:00 PM	09/08/2020 06:00 AM

How will traffic disruptions be minimized during listed events and holidays?

Construction activities will be suspended during these time frames. STH 22 will be open to 2 lanes of traffic.

Section 6 - Traffic Analysis

Section 6+ - Traffic Analysis

What is the anticipated travel delay during the project for each impacted roadway?

#	Location Description	WZ Capacity (vphpl)	Delay (min)	Queue (min)	Delay Cause
1	WIS 22 NB from PORTAGE - WAUPACA CO LINE to WESTERN AVE	600	5	0.1	Flagging

#	Location Description	WZ Capacity (vphpl)	Delay (min)	Queue (min)	Delay Cause
2	WIS 22 SB from USH10-STH49/54 EB (B-68-0074 BEGIN) to PORTAGE - WAUPACA CO LINE	600	5	0.1	Flagging

How was the work zone capacity determined?

Our AADT is 4,800 and K100 is 11.7%. Therefore our peak hourly volume (Two-Way) is 562 vehicles. Flagging capacity for 1.5 miles max is 600 vphpl.

Section 6+ - Intersection/Temporary Signal

Are any intersection traffic control changes proposed?

No intersection traffic control changes are proposed. All side road intersections are controlled by stop signs on the side road except for CTH K/King Road. CTH K/King Road is controlled by traffic signals. Because traffic patterns are not being significantly altered, no changes are proposed to the signal timing.

Section 7 - Public Information Strategies

Choose strategies that will be used to mitigate the impacts to the public:

Strategy	Intended Audience	Comments
Press Releases/Media Alerts	Local motorists	Press release will be made available to local media prior to construction.
Coordination with Media/Schools/Businesses/Emergency Services	Local Schools, Businesses & Emergency Services	Local schools, businesses and emergency services will be notified of construction activities and schedules
511 Traveler Information Website (project website, lane closures, motorist information, public information)	Regional motorists	WisDOT can add project to the 511 Site
Freight travel information/Lane Closure System (LCS)	Freight Operators	

Section 8 - Incident Management Strategies

List of chosen strategies:

Strategy	Comments	Cost
Incident/Emergency Response Plan and Coordination with Emergency Responders	Local emergency responders will be made aware of construction activities. STH 22 will be open to traffic during construction. Normal incident management practices will be used.	\$0

Cost of chosen strategies (sum of strategy costs): \$0

Section 9 - Staging Plans

Briefly describe the staging planned for maintaining traffic:

Keep STH 22 and side roads open to traffic at all times for milling and paving operations. During daylight construction hours, close up to one lane of traffic, as necessary, with standard flagging operation. Maximum lane closure length is 1.5 miles without approval of the engineer. Keep traffic queues and delays minimized during the flagging operation. During non-working hours open STH 22 and side roads to two lanes of traffic, one in each direction. Use shoulder closure details as necessary for concrete curb and gutter replacement and handicap ramp construction. Utilize standard flagging operation when necessary during daylight construction hours for concrete curb and gutter and handicap ramp construction activities. Keep STH 22 open to traffic at all times while replacing cross culverts at stations 342+49 and 501+08. During daylight construction hours, close up to one lane of traffic, as necessary, with standard flagging operation. Maximum lane closure length is 200 feet without approval of the engineer. Keep traffic queues and delays minimized during the flagging operation. If installation or cross culvert takes more than one construction day, during non-working hours open STH 22 to two lanes of traffic by installing base course up to the grade of existing asphalt and install traffic control as detailed in the plan. Keep STH 22 open to traffic at all times while replacing the cross culvert at station 486+69. Restrict traffic on STH 22 to a single lane controlled by temporary signals mounted on trailers as detailed in the plan. Close the westbound lane to install the north half of the pipe to the centerline of STH 22. Traffic will utilize the eastbound lane and shoulder through the work zone. Close the eastbound lane to install

the south half of the pipe to the centerline of STH 22. Traffic will utilize the westbound lane and shoulder through the work zone. Maintain access to businesses, schools and property owners during construction.

Vehicle Size Restrictions:

#	Location Description	Min lane width to maintain (ft)	Min lane width plus shoulder (ft)	Min Height (ft)	Min shy distance to TCBP (ft)
1	WIS 22 NB from PORTAGE - WAUPACA CO LINE to WESTERN AVE	12	15		
2	WIS 22 SB from USH10-STH49/54 EB (B-68-0074 BEGIN) to PORTAGE - WAUPACA CO LINE	12	15		

Attachments:

Attachments for TMP ID 7053 are listed below:

[F] Section_3

[f] C- Traffic Report.pdf

[F] Section_8

[f] Emergency Contacts.pdf

[F] Section_4

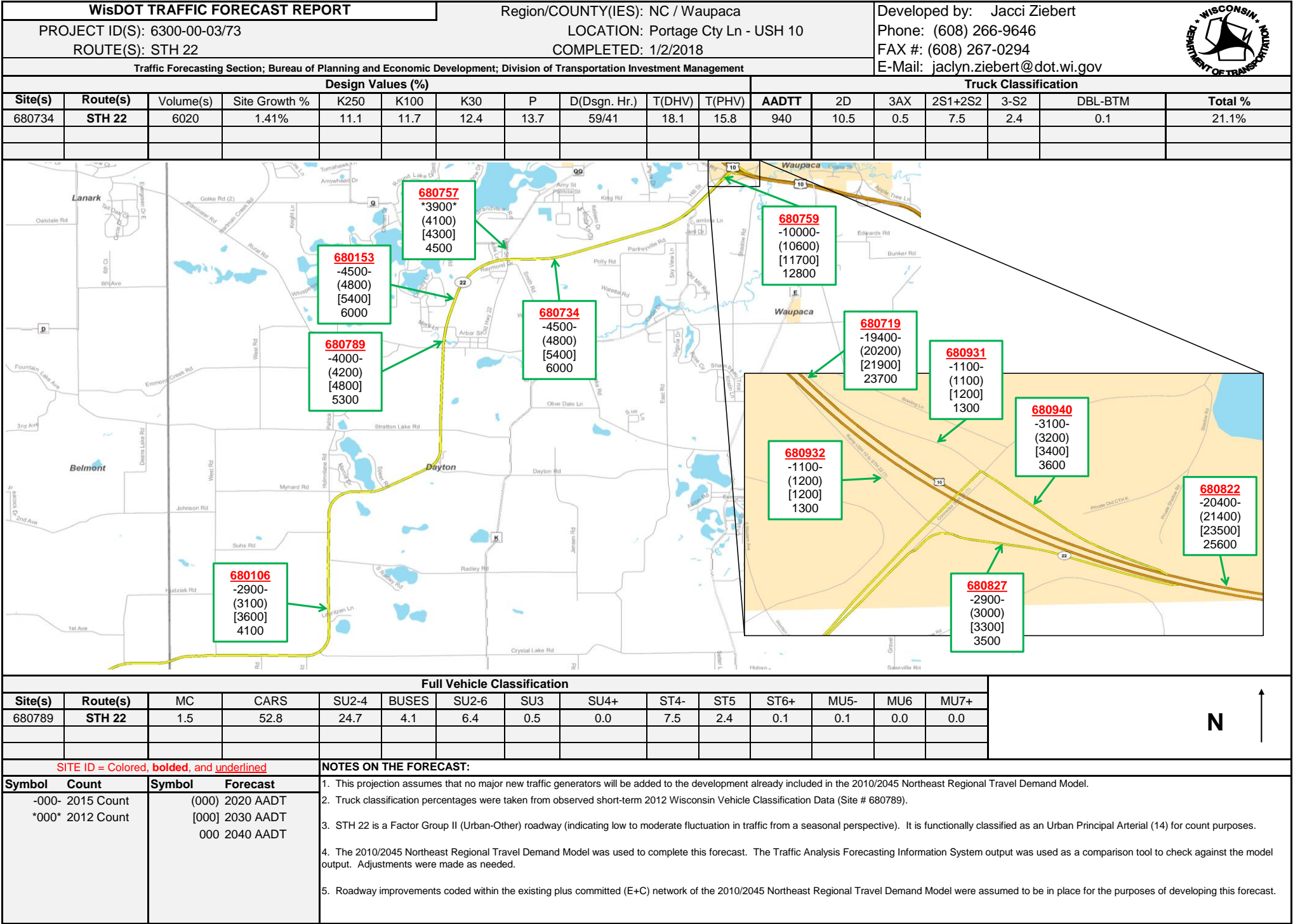
[f] 6300-00-03 WZIA Alternatives Worksheet.pdf

[F] Section_2

[f] 6300-00-03 WZIA Alternatives Worksheet.pdf

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

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Wisconsin Department of Transportation

Daily % Class Distribution for 04/23/2012 through 04/25/2012 (47 hours)

Site Names: 680789, 9960, NC

County: Waupaca

Funct. Class: U Principal Arterial - Other

Location: STH 22 BTWN RURAL & CLEGHORN RDS DAYTON TNSHP

Seasonal Factor Group: 2

Daily Factor Group: 2

Axle Factor Group: 5

Growth Factor Group: 1

	Roadway	Neg DIR	Pos DIR
MC	1.46	1.61	1.30
CAR	52.77	53.17	52.34
PU	24.71	24.43	25.00
BUS	4.14	4.98	3.25
2D	6.37	5.59	7.19
SU 3	0.50	0.47	0.53
SU 4+	0.01	0.03	0.00
ST 4-	7.46	8.90	5.92
ST 5	2.38	0.67	4.20
ST 6+	0.06	0.03	0.09
MT 5-	0.14	0.11	0.18
MT 6	0.00	0.00	0.00
MT 7+	0.00	0.00	0.00
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Trucks	21.06	20.78	21.36
Combo Trucks	10.04	9.71	10.38
Classified	100.00	100.00	100.00
Volume	6,974	3,594	3,380

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Jurisdiction	Position	First Name	Last Name	Street Address	City	State	Zip	Phone	email
City of Waupaca	Director of Public Works	Justin	Berrens	111 S Main Street	Waupaca	WI	54981	(715) 258-4420	jberrens@cityofwaupaca.org
City of Waupaca	Fire Chief	Jeffy	Deuman	P.O. Box 46	Waupaca	WI	54981	(715) 258-4434	
City of Waupaca	Police Chief	Brian	Hoelzel	124 S Washington Street	Waupaca	WI	54981	(715) 258-4400	
King		King Fire Dept.&	First Responde	N2665 County Highway QQ	King	WI	54946	(715) 258-5586	
ThedaCare Medical Center	Vice President	David	Corso	800 Riverside Drive	Waupaca	WI	54981	(715) 258-1000	david.corso@thedacare.org
Waupaca County	Highway Commissioner	Casey	Beyersdorf	515 E Fulton Street	Waupaca	WI	54981	(715) 258-7152	casey.beyersdorf@co.waupaca.wi.us
Waupaca County	Sheriff	Tim	Wilz	1402 Royalton Street	Waupaca	WI	54981	(715) 258-4466	
Waupaca County	Emergency Management	Andrew	Carlin	1402 Royalton Street	Waupaca	WI	54981	(715) 258-4464	andrew.carlin@co.waupaca.wi.us
Waupaca County	Emergency Management	Eric	Halverson	1402 Royalton Street	Waupaca	WI	54981	(715) 258-4464	eric.halverson@co.waupaca.wi.us
Wisconsin State Patrol	Commander	Captain Travis	Wanless	2805 Martin Avenue	Wausau	WI	54401-7172	(715) 845-1143	
Wisconsin State Patrol	Executive Director	Lieutenant Les	Mlsna	2805 Martin Avenue	Wausau	WI	54401-7172	(715) 845-1143	