



US Army Corps
of Engineers
St Paul District

APPLICANT: American Transmission
Company, LLC
(primary)

Public Notice

ISSUED: 12 February 2016

EXPIRES: 13 March 2016

REFER TO: 2012-03482-RMG

SECTION:404 - Clean Water Act
SECTION: 10 – Rivers & Harbors Act

1. APPLICATION FOR PERMIT TO temporarily discharge dredged and fill material into approximately 105 acres of wetlands, and permanently fill up to 1 acre of wetlands. Two federally navigable waters, the Wisconsin River and Black River, would be traversed by the project, in addition to 105 other waterways. These impacts would facilitate construction of the proposed Badger-Coulee transmission line.

2. SPECIFIC INFORMATION.

PRIMARY APPLICANT'S ADDRESS: N234 W2000 Ridgeview Parkway Court
Waukesha, Wisconsin 53188-1022

PROJECT LOCATION: This route extends from Briggs Road Substation in La Crosse County, Wisconsin to the North Madison Substation in Dane County, Wisconsin and continues to the Cardinal Substation, also in Dane County, Wisconsin. The approved route also traverses Columbia, Sauk, Juneau, Monroe, Jackson and Trempealeau counties.

DESCRIPTION OF PROJECT: American Transmission Company LLC, by its corporate manager, ATC Management Inc. (ATC); Dairyland Power Cooperative (DPC); Northern States Power Company, a Wisconsin corporation (NSPW); SMMPA Wisconsin, LLC (SMMPA Wisconsin), and WPPI Energy (WPPI) are owners of the Badger Coulee 345 kV Transmission Line Project. Together, the Project's owners (the Applicants, led by ATC) have submitted a permit application for work in wetlands and waterways associated with the Project. The Project is a new 181-mile 345 kV transmission line in southwestern Wisconsin. An overview of the proposed project route is shown on the attached drawing 2012-03482-RMG, page 1, with greater detail for each segment shown on pages 16 through 23.

QUANTITY, TYPE, AND AREA OF FILL: Wetland and waterway impacts described in this notice are conservatively estimated based on preliminary design. As such, these totals may be adjusted during final engineering design. The Badger-Coulee project will also be broken down into eight construction segments to facilitate engineering design and construction management. Any favorable decision by the Corps will require the Applicants submit Construction and Mitigation Plans (CMPs) for each segment prior to construction in wetlands and waterways. These CMPs will include wetland and waterway impact adjustments due to final design. A table listing the impacted wetlands and waterways is shown on 2012-03482-RMG, pages 2 through 15.

Final design will be completed by segment to refine the proposed project impacts. Conservatively, the applicant has estimated that two-hundred seventy-three transmission line structures are proposed to be placed within wetlands along the route, resulting in approximately 0.63 acres of permanent fill. Those structures occurring within a wetland, or within 50 feet of a wetland, were

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included in the fill calculations to provide a conservative estimate. The calculation is based on the structure type and associated pole and foundation diameter.

Construction access will require up to approximately 105 acres of temporary wetland impact associated with construction matting. The acreage of temporary matting was conservatively estimated by assuming the entire length of every wetland will require a 20-foot wide mat road.

Approximately 108 temporary clear span bridges will be utilized to allow for efficient construction access. It is anticipated that construction equipment (wooden mats, and possibly piers, sheet piling or jersey barriers to support the mats) may need to be temporarily placed below the ordinary high water mark (OHWM) of several waterways to facilitate construction access. These waterways include N-R75 and N-R76 (New Lisbon Lake I Lemonweir River); N-R84, N-R85 and N-R85a (oxbows of the Lemonweir River); and H-R5a (UNT to Blass Lake). For the New Lisbon Lake I Lemonweir River and oxbows of the Lemonweir River, it is anticipated the equipment would be placed along the edges of these features to provide a suitable access path within the proposed right of way (ROW). For waterway HR5a, matting may need to be placed in emergent marsh wetlands along the UNT to Blass Lake, which are presumably below the OHWM elevation of this feature. Due to crossing width, an in-stream support structure for a temporary bridge will be required at a Trempealeau River side channel crossing (N-OR-R2) for off-ROW access along the route. This support structure would be a reinforced culvert, cement block or similar material. These structures would be removed, and existing contours restored, after construction. The Applicants are proposing to use a structural mid-stream support (e.g., a reinforced culvert, concrete block or similar material) for this bridge, which will be selected to minimize ecological and hydraulic effects. Specific details regarding structure placement below the OHWM at these locations will be determined during final design.

The proposed project crosses the Black River twice and the Wisconsin River once. Both rivers are considered navigable waters of the U.S. and subject to provisions of Section 10 of the Rivers and Harbors Act. The temporary placement of structures below the OHWM of the Wisconsin River may be required for construction access. In addition, conductor and shield wires on the transmission line structures will span these river crossings. The transmission line will be designed to meet the National Electric Safety Code.

Several wooded islands exist in the Wisconsin River between G-R1 (main channel of the Wisconsin River), and G-R2 and G-R3 (side channels of the river). It is likely the trees within the proposed ROW would need to be cleared and removed from these islands. Several options are being evaluated to provide access for clearing equipment to the islands and for the removal of the trees. One option involves using a barge to transport equipment to the larger island between G-R1 and G-R2. Depending upon water depth, matting or similar material may need to be placed below the OHWM of G-R1 to allow the equipment to be off-loaded from the barge to the island. The barge may also rest on the bed of this waterway during this time. Matting below the OHWM of G-R2 and G-R3, or driving equipment on the bed of these side channels, would also be required to access the smaller island and remove timber from this area. Other options not requiring structure placement below the OHWM are also being evaluated. These options include hand clearing the trees and either burning or leaving the timber on the island, or removing the timber with a crane from the interstate bridge.

The Applicants will work with private landowners to identify alternate access routes to further reduce the use of stream crossings, if possible. Some of these crossings may not be required if the Applicants are able to secure alternate access via privately owned land.

VEGETATION IN AFFECTED AREA: Approximately 117 acres of forested wetland clearing will be required for this project. Herbaceous communities' represent the largest proportion of the project route, and are comprised of a variety of cover types, including commodity crops, wetland sedge

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and meadow communities, and upland grassland. Much of the proposed route would be co-located along highways and existing utility corridors.

SOURCE OF FILL MATERIAL: The majority of the fill proposed is temporary, and consists of construction mats.

The permanent fill would result from the direct placement of transmission line structures. Most of the transmission line structures will require reinforced concrete caisson foundations or will be directly embedded (no concrete foundation required). In general, the excavated holes for each type of foundation will range from 3 to 12 feet in diameter and 20 to 60 feet in depth, or greater, depending on soil conditions. For direct-embedded structures, a hole is excavated to the appropriate depth. The base of the structure is placed into the excavated hole, and the area around the pole is backfilled with clean granular fill. The integrity of the hole may be protected with the installation of a permanent culvert. For structures requiring a reinforced concrete foundation, the required hole is excavated and a rebar cage and anchor bolts are placed into the excavation. The excavation is then filled with concrete to a point where the rebar cage and anchor bolts are covered leaving a typical one- to two-foot reveal of the foundation above grade with exposed threaded anchor bolts. The complete caisson is allowed to cure to develop necessary design strength. After the caisson is cured, the steel pole structure is mounted to the caisson using the exposed bolts.

SURROUNDING LAND USE: The majority of the transmission line length (greater than 91%) occurs along interstate highway or transmission line right of way and shares an existing maintained corridor (although additional adjacent ROW would be required). New ROW would primarily impact agricultural and undeveloped land. The Applicants proposed route combination utilizes existing high-priority corridors to a much greater extent than alternative route combinations. The proposed route was determined by the Wisconsin Public Utilities Commission to best avoid adverse impacts to the environment and private properties and comprise the most reasonable route.

DESCRIPTION OF STRUCTURE: The majority of the transmission line poles will be self-supporting steel monopole structures although other structure configurations (e.g., H-frame structures) will also be utilized. The heights of the structures will typically range from 80 to 180 feet with the spans between the structures being approximately 500 to 2,300 feet depending on the specific location. The typical ROW will be 120-feet wide but the width will depend on the specific location and structure configuration.

Once a thorough geotechnical evaluation has been completed during detailed design, the use of alternative foundation systems such as helical piers, micro-piles or vibratory caissons will be evaluated and implemented as needed. Access difficulties and/or restrictions will also be evaluated in the need for the use of alternative foundations. In general, the use of these alternate foundations will result in less impact than traditional foundations.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: Access through wetlands, and the use of heavy equipment in wetlands, will be minimized to the extent practicable. When wetland access is required, disturbance to wetlands will be reduced by one or more of the following: completing wetland construction during dry or frozen conditions; the use of equipment with low ground pressure tires or tracks; placement of construction matting to help minimize soil and vegetation disturbances; or the use of ice roads.

To facilitate construction equipment access and ensure safe clearances between vegetation and the transmission line, all vegetation will be cleared for the full width of the ROW. Vegetation will be

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cut at or slightly above the ground surface using mechanized mowers, harvesters or by hand. Root stocks will generally be left in place, except in areas where stump removal is necessary to facilitate the movement of construction vehicles, or required by the landowner. Where permission of the landowner has been obtained, stumps of tall-growing species will be treated with an herbicide to discourage re-growth. Standard best management practices will be employed for erosion control, and to avoid and minimize potential impacts to adjacent wetlands and waterbodies. All ground disturbances along the corridor, access routes, and at pole locations will be restored to pre-maintenance conditions.

In areas of steep topography, access roads and work platforms will need to be constructed prior to construction access. This work is typically completed using equipment such as a bulldozer, track-hoe, skid-loader and dump trucks. The travel surface of the access road is typically 14 to 20 feet wide and work platforms are typically 30 feet by 30 feet. The total amount of disturbance of the road (cut slope to base of the spoils slope) is dependent on soil type and topography.

Matting will be installed to provide access through wetlands or other unstable soil areas prior to construction access. Construction matting may consist of timber, composite or hybrid timber mats and will be installed with rubber-tired mat trucks, forwarders, forklifts or skid loaders. Mat access roads will generally be 16 to 20 feet wide and mat work platforms may be as large as 100 feet by 100 feet, depending on the type of structure. If a wire stringing location is in a wetland, additional matting will be needed to provide a stable area for the stringing equipment. Matting will be removed using similar equipment as for installation as each section is completed.

MITIGATION: The Applicants have proposed compensatory mitigation for wetland impacts associated with construction of this project. The following summarizes wetland mitigation requirements for this project based on preliminary design:

- Permanent Impacts (structure fill and wooded wetland conversion) = 117.756 acres
- Temporary Impacts (sedge meadow matting) = 6.868 acres

These mitigation requirements are considered estimates and will be finalized by segment once final design is complete. Wetland impacts will be mitigated through the purchase of either available credits from an appropriate mitigation bank or through Wisconsin Wetland Conservation Trust in-lieu fee mitigation credits.

3. REPLIES/COMMENTS.

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Rebecca Graser at the Brookfield, Wisconsin office of the Corps, telephone number (651) 290-5728.

To receive Public Notices by e-mail, go to: http://mvp-extstp.mvp.usace.army.mil/list_server/ and add your information in the New Registration Box.

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4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.

The potential for state and federally listed rare species to occur within or near the Project was evaluated through a review of the WDNR Natural Heritage Inventory (NHI) and the U.S. Fish and Wildlife Service's (USFWS) Information for Planning & Conservation project review tool, in addition to focused field habitat evaluations. The Corps is coordinating potential effects for the following species with the USFWS:

Northern Long-Eared Bat (*Myotis septentrionalis*);
Eastern Massasauga Rattlesnake (*Sistrurus catenatus*);
Karner Blue Butterfly (*Lycaeides Melissa samuelis*);
Higgins Eye Pearlymussel (*Lampsilis higginsii*); and the
Sheepnose Mussel (*Plethobasus cyphus*).

In addition to the species above, the Corps shared its preliminary findings with the USFWS that the proposed Badger-Coulee project will not affect the following species:

Gray wolf (*Canis lupus*);
Kirtland's warbler (*Setophaga kirtlandii*);
Northern Monkshood (*Aconitum noveboracense*);
Mead's milkweed (*Asclepias meadii*);
Prairie Bushclover (*Lespedeza leptostachya*); and the
Whooping crane (*Grus americanus*).

Any comments the USFWS may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

5. JURISDICTION.

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:

<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

THE APPLICANT HAS STATED THAT THE FOLLOWING STATE, COUNTY, AND/OR LOCAL PERMITS HAVE BEEN APPLIED FOR/ISSUED:

6. STATE SECTION 401 WATER QUALITY CERTIFICATION.

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The State of Wisconsin, Department of Natural Resources, has evaluated this activity for water quality certification pursuant to Section 401 of the Clean Water Act and Chapter NR 299, Wis. Adm. Code. The Department has determined that this activity will result in a discharge to waters of the state and that there is reasonable assurance that this activity will be conducted in a manner which does not violate the standards enumerated in Section NR 299.04, Wis. Adm. Code. Certification is granted provided the following conditions are complied with:

The applicant shall notify the Wisconsin Department of Natural Resources of its intent to start the discharge at least five business days prior to the beginning of the discharge.

Within 5 business days after the completion of the discharge, the applicant shall notify the Wisconsin Department of Natural Resources of the completion of the discharge.

The applicant shall allow the Wisconsin Department of Natural Resources reasonable entry and access to the discharge site to inspect the discharge for compliance with the certification and applicable laws.

The applicant is hereby advised that the activity may require additional authorization under requirements of state law administered by the Department which are not related to water quality.

7. HISTORICAL/ARCHAEOLOGICAL.

Commonwealth Cultural Resources Group, Inc. was hired by the Applicants to conduct an archival and literature review of architectural/historic resources and previously recorded archaeological and burial sites within the areas of the approved route. This cultural resource assessment identified sites that may be potentially affected and provides recommendations for further study and investigation to determine appropriate impact avoidance and/or minimization measures.

The approved route has a total of 38 previously reported archaeological and cemetery/burial sites and one architectural/historic resource eligible for the National Registry of Historic Properties. The archaeological sites include eight un-cataloged cemetery/burial sites. Upon final transmission line design, further archaeological and historic resource review and investigation will be undertaken to ensure that all identified sites found to be within the ROW or along access routes are properly protected.

The Corps is reviewing the information provided by the Applicant and will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

8. PUBLIC HEARING REQUESTS.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail,

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the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

9. PUBLIC INTEREST REVIEW.

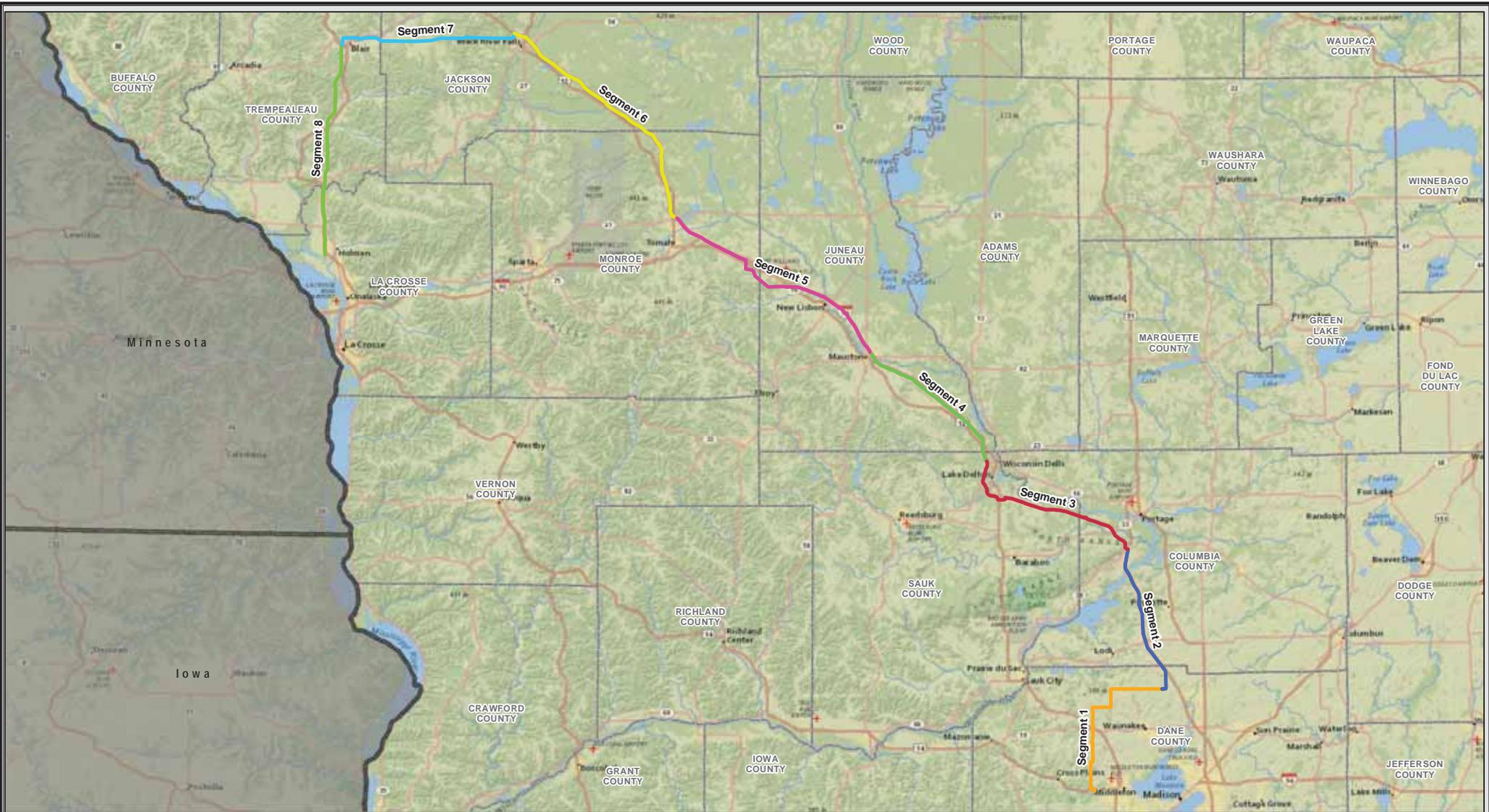
The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. Environmental and other documents will be available for review in the St. Paul District Office.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Rebecca Graser
Wisconsin Program Manger

Enclosures

NOTICE TO EDITORS: This public notice is provided as background information and is not a request or contract for publication.



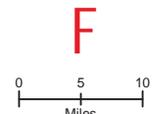
PROJECT RELATED DATA

Badger Coulee Ordered Route

- Segment 1
- Segment 2
- Segment 3
- Segment 4
- Segment 5
- Segment 6
- Segment 7
- Segment 8



Construction Segment ID



PROJECT OVERVIEW INDEX		
BADGER COULEE TRANSMISSION LINE PROJECT		
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PROJECT OVERVIEW INDEX		

The information presented in this map document is advisory and is intended for reference purposes only. Applicant's owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, Xcel Energy.

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Table 8 WDNR Wetland/Waterway Impact Location Table

Supplement Document to WDNR Form 3500-53. Check all that apply.

Northern Route^g

RESOURCE	ACTIVITY		LOCATION				RESOURCE IMPACT			WDNR DOCKET ^h						
	Application Unique ID ¹	WQC ^a	Bridge	Dredging Flow / Trench	Misc. Structure	Grading ^b	County	Town, Village, City	QQ		Q	Section	Township, Range (E/W)	Wetland Impact (acres) ^c	O/E	Trout
Wetland	P-W2	X (1)					La Crosse	Town of Holland	NE	NE	14	18N, 08W	0.002			
JUNT to Black River	P-R1		X				La Crosse	Town of Holland	SE	NE	14	18N, 08W	---			
JUNT to Black River	P-R2		X				La Crosse	Town of Holland	NE	NE	14	18N, 08W	---			
Wetland	P-W4	X (1)					La Crosse	Town of Holland	NW	SW	1	18N, 08W	0.002			
JUNT to Black River	N-R1		X				Trempealeau	Town of Gale	NW	NW	36	19N, 08W	---			
JUNT to Dutch Creek	N-R2		X				Trempealeau	Town of Gale	NW	SE	13	19N, 08W	---		X	
JUNT to Dutch Creek	N-R3		X				Trempealeau	Town of Gale	SE	NW	13	19N, 08W	---			
JUNT to Dutch Creek	N-R3a		X				Trempealeau	Town of Gale	SE	SW	1	19N, 08W	---			
JUNT to Dutch Creek	N-R3c		X				Trempealeau	Town of Gale	SE	SW	1	19N, 08W	---			
JUNT to Dutch Creek	N-R3d		X				Trempealeau	Town of Gale	NE	SW	1	19N, 08W	---			
Wetland	N-W5	X (1)					Trempealeau	Town of Erick	SE	SW	36	20N, 08W	0.002			X
JUNT to North Fork Beane's Creek	N-R5a		X				Trempealeau	Town of Gale	NW	NW	30	20N, 07W	---			
JUNT to North Fork Beane's Creek	N-R5b		X				Trempealeau	Town of Erick	SW	SW	19	20N, 07W	---			
Wetland	N-W7	X (1)					Trempealeau	Town of Erick	SE	SW	19	20N, 07W	0.002			
JUNT to North Fork Beane's Creek	N-R5		X				Trempealeau	Town of Erick	SE	SW	19	20N, 07W	---			
JUNT to North Fork Beane's Creek	N-R5a		X				Trempealeau	Town of Erick	NE	NW	19	20N, 07W	---			
JUNT to North Fork Beane's Creek	N-R5b		X				Trempealeau	Town of Erick	SE	SW	18	20N, 07W	---			
JUNT to North Fork Beane's Creek	N-R7		X				Trempealeau	Town of Erick	NE	SW	18	20N, 07W	---			
JUNT to Bear Creek	N-R8		X				Trempealeau	Town of Erick	SE	NW	7	20N, 07W	---			
JUNT to Bear Creek	N-R9		X				Trempealeau	Town of Erick	NE	NW	7	20N, 07W	---		X	
JUNT to Bear Creek	N-R9a		X				Trempealeau	Town of Erick	NE	SW	6	20N, 07W	---			
JUNT to Bear Creek	N-R9b		X				Trempealeau	Town of Erick	NE	SW	6	20N, 07W	---			
JUNT to Bear Creek	N-R10		X				Trempealeau	Town of Erick	NE	SW	6	20N, 07W	---		X	
Wetland	N-W18	X (1)					Trempealeau	Town of Preston	NW	NE	32	21N, 07W	0.002			
Reynolds Coulee Creek	N-R11		X				Trempealeau	Town of Preston	NW	NE	32	21N, 07W	---			
JUNT to Reynolds Coulee Creek	N-R11a		X				Trempealeau	Town of Preston	SW	SE	29	21N, 07W	---			
JUNT to Reynolds Coulee Cr	N-R11b		X				Trempealeau	Town of Preston	SW	SE	29	21N, 07W	---			
JUNT to Reynolds Coulee Cr	N-R11c		X				Trempealeau	Town of Preston	SW	NE	29	21N, 07W	---			

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Northern Route^g

RESOURCE	ACTIVITY			LOCATION				RESOURCE IMPACT				WDNR DOCKET ^h				
	Application Unique ID ⁷	WQC ^a	Bridge	Dredging Plow / Trench	Misc. Structure	Grading ^g	County	Town, Village, City	QQ	Q	Section		Township, Range (E/W)	Wetland Impact (acres) ^h	O/E	Trout
Wetland	N-R11d	X (1)	X				Trempealeau	Town of Preston	SW	SE	20	21N, 07W	---			
Wetland	N-W21	X (1)					Trempealeau	Town of Preston	SW	SE	20	21N, 07W	0.002			
Wetland	N-R11b		X				Trempealeau	Town of Preston	SW	SE	20	21N, 07W	---			
Wetland	N-R11f		X				Trempealeau	Town of Preston	SW	NE	20	21N, 07W	---			
Wetland	N-W24	X (1)					Trempealeau	Town of Preston	NW	SE	17	21N, 07W	0.002			X
Wetland	N-R12a		X				Trempealeau	Town of Preston	NE	NW	16	21N, 07W	---			
Wetland	N-R12b		X				Trempealeau	Town of Preston	NW	NE	16	21N, 07W	---			
Wetland	N-W25a	X (1)					Trempealeau	Town of Preston	NE	NW	15	21N, 07W	0.002			
Wetland	N-W26	X (2)					Trempealeau	Town of Preston	NE	NW	14		0.005			X
Wetland	N-W28	X (5)					Trempealeau	Town of Preston	NE	NW	13	21N, 07W	0.012			X
Wetland	N-W29	X (1)					Trempealeau	Town of Preston	NW	NE	13	21N, 07W	0.002			
Wetland	N-W30	X (1)					Trempealeau	Town of Preston	NE	NE	13	21N, 07W	0.002			
Wetland	N-R20a		X				Jackson	Town of Springfield	SE	NW	18	21N, 06W	---			
Wetland	N-W32a	X (1)					Jackson	Town of Springfield	SE	NW	18	21N, 06W	0.002			
Wetland	N-R21		X				Jackson	Town of Springfield	SE	NE	18	21N, 06W	---			
Wetland	N-W33a	X (1)					Jackson	Town of Springfield	SW	NW	17	21N, 06W	0.002			
Wetland	N-W34	X (1)					Jackson	Town of Springfield	SW	NW	17	21N, 06W	0.002			
Wetland	N-W35	X (1)					Jackson	Town of Springfield	SW	NE	17	21N, 06W	0.002			X
Wetland	N-R22		X				Jackson	Town of Springfield	SW	NE	17	21N, 06W	---			
Wetland	N-W36	X (1)					Jackson	Town of Springfield	SE	NE	17	21N, 06W	0.002			X
Wetland	N-R22a		X				Jackson	Town of Springfield	SE	NE	17	21N, 06W	---			
Wetland	N-W37	X (1)					Jackson	Town of Springfield	SW	NW	16	21N, 06W	0.002			X
Wetland	N-R22b		X				Jackson	Town of Springfield	SW	NW	16	21N, 06W	---			
Wetland	N-R23		X				Jackson	Town of Springfield	SW	NW	16	21N, 06W	---			X
Wetland	N-W41	X (2)					Jackson	Town of Springfield	SE	NE	15	21N, 06W	0.005			X
Wetland	N-R24		X				Jackson	Town of Springfield	SE	NE	15	21N, 06W	---			

Appendix F Exhibit 1

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Northern Route^g

RESOURCE	Application		WQC ^A	ACTIVITY			LOCATION				RESOURCE IMPACT			WDNR DOCKET ¹				
	Wetland Name ¹	Unique ID ²		WQC ^A	Bridge	Dredging Plow / Trench	Misc. Structure	Grading ⁶	County	Town, Village, City	OO	Q	Section		Township, Range (E/W)	Wetland Impact (acres) ³	O/E	Trout
Wetland		N-W42	X (3)					Jackson	Town of Springfield	NE	NW	14		0.007			X	
French Creek		N-R27		X				Jackson	Town of Springfield	SW	NW	14						
JUNT to French Creek		N-R27a		X				Jackson	Town of Springfield	SW	NW	14						
Wetland		N-W44	X (1)					Jackson	Town of Springfield	NE	NE	14		0.002				
Wetland		N-W45	X (2)					Jackson	Town of Springfield	NE	NW	13		0.004				
JUNT to French Creek		N-R27b		X				Jackson	Town of Springfield	NW	NW	13						
Wetland		N-W47	X (1)					Jackson	Town of Abion	SE	SE	10		0.002				X
JUNT to Squaw Creek		N-R27c		X				Jackson	Town of Abion	SE	SE	10						
Squaw Creek		N-R28		X				Jackson	Town of Abion	SE	SE	11				X		
JUNT to Squaw Creek		N-R28a		X				Jackson	Town of Abion	SE	SE	11						
Town Creek		N-R31		X				Jackson	City of Black River Falls	SE	SE	9						
Wetland		N-W52	X (1)					Jackson	Town of Adams	NW	NW	10		0.002				
Wetland		N-W56	X (1)					Jackson	Town of Adams	SW	NW	10		0.002				
JUNT to Black River		N-R34		X				Jackson	City of Black River Falls	NW	NE	14						
Wetland		N-W58	X (1)					Jackson	Town of Brockway	NE	SE	14		0.002				
Wetland		N-W62	X (1)					Jackson	Town of Brockway	SW	NE	24		0.002				
Wetland		N-W63	X (1)					Jackson	Town of Brockway	SW	NE	24		0.002				
Wetland		N-W64	X (3)					Jackson	Town of Brockway	NE	SE			0.007				X
Coffee Creek		N-R35		X				Jackson	Town of Brockway	SW	SE	24				X		
Wetland		N-W65	X (1)					Jackson	Town of Brockway	NW	SE	34						
Wetland		N-W67	X (1)					Jackson	Town of Brockway	SE	SE	34		0.002				
Wetland		N-W67	X (1)					Jackson	Town of Brockway	SW	NE	30		0.002				
Wetland		N-W68	X (5)					Jackson	Town of Brockway	NE	SE	21						
Wetland		N-W68	X (5)					Jackson	Town of Brockway	NW	NE	22						
Wetland		N-W68	X (5)					Jackson	Town of Brockway	NW	SW	29						
Wetland		N-W68	X (5)					Jackson	Town of Brockway	SE	SW	29						
Wetland		N-W68	X (5)					Jackson	Town of Brockway	SW	SE	29						
Wetland		N-W69	X (2)					Jackson	Town of Brockway	NE	NE	32		0.005				

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Table 8 WDNR Wetland/Waterway Impact Location Table

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Northern Route^g

RESOURCE	Application		WQC ^A	ACTIVITY			LOCATION				RESOURCE IMPACT			WDNR DOCKET ¹			
	Wetland Name ¹	Unique ID ²		Bridge	Dredging Plow / Trench	Misc. Structure	Grading ⁶	County	Town, Village, City	QQ	Q	Section	Township, Range (E/W)		Wetland Impact (acres) ³	O/E	Trout
Wetland	JUNT to Cranberry Flowage, Upper	N-R26		X			Jackson	Town of Brockway	NW	NE	32	21N, 03W	---				
Wetland		N-W70	X (2)				Jackson	Town of Brockway	NE	NE			0.005				
Wetland		N-W74	X (2)				Jackson	Town of Manchester	SE	NE	32	21N, 03W	0.005				
Wetland		N-R37		X			Jackson	Town of Manchester	NW	NW	3	20N, 03W	---				
Wetland		N-W75	X (1)				Jackson	Town of Manchester	SE	NW	3	20N, 03W	0.002				
Wetland		N-W78	X (1)				Jackson	Town of Manchester	SW	NE	3	20N, 03W	0.002				
Wetland		N-W79	X (1)				Jackson	Town of Manchester	NE	SE	3	20N, 03W	0.002				
Wetland		N-W81	X (2)				Jackson	Town of Manchester	SE	SE	3	20N, 03W	0.005				
Wetland		N-W82	X (1)				Jackson	Town of Manchester	SE	SW	2	20N, 03W	0.002				
Wetland		N-W85	X (1)				Jackson	Town of Millston	NE	NW	13	20N, 03W	0.002				X
Wetland		N-R40		X			Jackson	Town of Millston	SE	SE	19	20N, 02W	---				X
Wetland		N-W88	X (1)				Jackson	Town of Millston	SE	NW	20	20N, 02W	0.002				X
Wetland		N-W89	X (1)				Jackson	Town of Millston	SE	NE	28	20N, 02W	---				X
Wetland		N-W91	X (1)				Jackson	Town of Millston	SE	NE	28	20N, 02W	0.002				X
Wetland		N-W93	X (1)				Jackson	Town of Millston	NW	SW	27	20N, 02W	0.002				X
Wetland		N-W94	X (3)				Jackson	Town of Millston	NE	NE	54	20N, 02W	0.002				X
Road Creek		N-R42		X			Jackson	Town of Millston	NW	NW	55	20N, 02W	0.007				X
Wetland		N-W95	X (2)				Jackson	Town of Grant	SE	NW	35	20N, 02W	---				X
Wetland		N-W96	X (1)				Monroe	Town of Grant	NW	NW	11	19N, 02W	0.004				
Wetland		N-W98	X (1)				Monroe	Town of Grant	NE	NW	1	19N, 02W	0.002				
Wetland		N-W99	X (1)				Monroe	Town of Lincoln	SW	NE	17	19N, 01W	0.002				
Wetland		N-W103	X (1)				Monroe	Town of La Grange	NW	NE			0.002				
Wetland		N-W104	X (1)				Monroe	Town of La Grange	SE	NE	5	18N, 01W	0.002				X
Mill Creek		N-R44		X			Monroe	Town of La Grange	SE	SE	5	18N, 01W	---	X			X

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	Wetland Name ¹	Unique ID ²		Bridge	Dredging Plow / Trench	Misc. Structure	Grading ^g	County	Town, Village, City	QQ	Q	Section	Township, Range (E/W)		Wetland Impact (acres) ^c	O/E
Wetland		N-W108	X (4)				Monroe	Town of La Grange	NW	NW	21	18N, 01W	0.009			
JUNT to Mud Creek		N-R45		X			Monroe	Town of La Grange	NW	NW	21	18N, 01W	---			
Wetland		N-W109	X (1)				Monroe	City of Tomah	NW	SE	21	18N, 01W	0.002			
Wetland		N-W111	X (1)				Monroe	Town of La Grange	NE	NW	27	18N, 01W	0.002			
JUNT to Mud Creek		N-R47		X			Monroe	Town of La Grange	NE	NW	27	18N, 01W	---			
Wetland		N-W112	X (1)				Monroe	Town of La Grange	NW	SE			0.002			
JUNT to Mud Creek		N-R48		X			Monroe	Town of La Grange	SE	NW	27	18N, 01W	---			
Wetland		N-W114	X (2)				Monroe	Town of La Grange	NE	NE	34	18N, 01W	0.004			X
Wetland		N-W116	X (1)				Monroe	Town of La Grange	NE	NW	35	18N, 01W	0.002			
Wetland		N-W117	X (1)				Monroe	Town of La Grange	SE	NW	35	18N, 01W	0.002			
JUNT to South Fork Lemonweir River		N-R50		X			Monroe	Town of La Grange	SE	NW	35	18N, 01W	---			
Wetland		N-W118	X (4)				Monroe	Town of La Grange	NE	SE	35	18N, 01W	0.009			
JUNT to Keyser Creek		N-R51		X			Monroe	Town of La Grange	NE	SW	36	18N, 01W	---			
Wetland		N-W119	X (4)				Monroe	Town of Tomah	SW	SE	36	17N, 01W	0.009			
JUNT to Keyser Creek		N-R53		X			Monroe	Town of Tomah	NE	NE	6	17N, 01E	---			
JUNT to Keyser Creek		N-R54		X			Monroe	Town of Tomah	NE	NE	1	17N, 01W	---			
Wetland		N-W120	X (9)				Monroe	Town of Oakdale	NW	SE	6	17N, 01E	0.020			
JUNT to Bear Creek		N-R55		X			Monroe	Town of Oakdale	SE	NW	6	17N, 01E	---			
JUNT to Bear Creek		N-R56		X			Monroe	Town of Oakdale	SW	NE	6	17N, 01E	---			
JUNT to Bear Creek		N-R57		X			Monroe	Town of Oakdale	NW	SW	5	17N, 01E	---			

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Northern Route^g

RESOURCE	APPLICATION		ACTIVITY				LOCATION					RESOURCE IMPACT			WDNR DOCKET ^h		
	Wetland/Waterway Name ¹	Application Unique ID ²	WQC ^a	Bridg ^e	Dredging Plow./ Trench	Misc. Structure	Grading ^g	County	Town, Village, City	OO	Q	Section	Township, Range (E/W)	Wetland Impact (acres) ^c		O/E	Trout
Wetland		N-W106	X (2)					Juneau	Town of Orange	NE NW NW SW SE	34 27 27	17N, 02E	0.004				
		N-R68a		X				Juneau	Town of Orange	NW NW SW SW	34 27 27	17N, 02E	---				
Wetland		N-W108	X (3)					Juneau	Town of Orange	NE NE NW NE SE SE SW SE	34 34 27 27	17N, 02E	0.007				
		N-R70		X				Juneau	Town of Orange	NW NE SE SW SE	34 27 27	17N, 02E	---				
		N-R71		X				Juneau	Town of Orange	NW NE SE SW SE	34 27 27	17N, 02E	---				
Wetland		N-W109	X (5)					Juneau	Town of Orange	NE NE NW NW SE SE SW	34 35 35 27 26	17N, 02E	0.012				
Wetland		N-W140	X (1)					Juneau	Town of Orange	NE NE NW NE	35 35	17N, 02E	0.002				
Wetland		N-W141	X (1)					Juneau	Town of Orange	NE NE SE	35 35	17N, 02E	0.002				
Wetland		N-W143	X (3)					Juneau	Town of Orange	NE SE SE NW SW	35 35 36	17N, 02E	0.007				
Wetland		N-W145	X (1)					Juneau	Town of Orange	NE SE	36 36	17N, 02E	0.002				
Wetland		N-W146	X (2)					Juneau	Town of Orange	NE SE NW SW	36 31	17N, 03E	0.004				
Wetland		N-W147	X (1)					Juneau	Town of Clearfield	SE SW SE	31 31	17N, 03E	0.002				
Wetland		N-W148	X (1)					Juneau	Town of Clearfield	SW SE	31 31	17N, 03E	0.002				
Wetland		N-W149	X (1)					Juneau	Town of Clearfield	SE	31 31	17N, 03E	0.002				
Wetland		N-W152	X (1)					Juneau	Town of Clearfield		5 5	16N, 03E	0.002				X
Wetland		N-W153	X (5)					Juneau	City of New Lisbon	NE NW NE NE SE	5 8 8 8 8	16N, 03E 16N, 03E 16N, 03E 16N, 03E 16N, 03E	0.015				X
New Lisbon Lake / Lemonweir River ^f		N-R75			X			Juneau	City of New Lisbon	NE NW NE	8 8 8	16N, 03E 16N, 03E 16N, 03E	---				X

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Northern Route^g

RESOURCE	ACTIVITY			LOCATION							RESOURCE IMPACT				WDNR DOCKET ^h		
	Application Unique ID ⁷	WQC ^a	Bridge	Dredging Plow / Trench	Misc. Structure	Grading ^b	County	Town, Village, City	OO	Q	Section	Township, Range (E/W)	Wetland Impact (acres) ^c	O/E		Trout	Other
Waterway/Wetland Name ¹																	
New Lisbon Lake / Lemonweir River ^f	N-R78				X	X	Juneau	City of New Lisbon	NE	NW	8	16N, 03E	---				
Wetland	N-W154	X (1)					Juneau	Town of Lisbon	NW	NE	8	16N, 03E	0.002				X
Wetland	N-W156	X (1)					Juneau	City of New Lisbon	SW	NW	9	16N, 03E	0.002				
JUNT to Lemonweir River	N-R77		X				Juneau	City of New Lisbon	NE	SW	9	16N, 03E	---				
Wetland	N-W159	X (2)					Juneau	Town of Lisbon	SE	SE	9	16N, 03E	0.004				
Wetland	N-W160	X (1)					Juneau	Town of Lisbon	NE	NE	10	16N, 03E	0.002				
Wetland	N-W161	X (1)					Juneau	Town of Lisbon	NE	NE	16	16N, 03E	0.004				
Wetland	N-W162	X (3)					Juneau	Town of Lisbon	NW	NW	15	16N, 03E	0.008				
JUNT to Lemonweir River	N-R78		X				Juneau	Town of Lisbon	NW	SW	15	16N, 03E	---				
Wetland	N-W163	X (3)					Juneau	Town of Lisbon	NW	SE	15	16N, 03E	0.007				
JUNT to Lemonweir River	N-R79		X				Juneau	Town of Lisbon	NW	SE	15	16N, 03E	---				
Wetland	N-W164	X (1)					Juneau	Town of Lisbon	NW	NW	23	16N, 03E	0.002				
Wetland	N-W165	X (1)					Juneau	Town of Lisbon	NW	SW	23	16N, 03E	0.002				
JUNT to Lemonweir River	N-R80		X				Juneau	Town of Lisbon	NE	SW	36	16N, 03E	---				
Wetland	N-W166	X (3)					Juneau	Town of Lisbon	SE	SW	23	16N, 03E	0.007				
Wetland	N-W168	X (1)					Juneau	Town of Lisbon	SE	NE	26	16N, 03E	0.002				
Wetland	N-W169	X (1)					Juneau	Town of Lisbon	SE	NE	26	16N, 03E	0.002				
Wetland	N-W170	X (1)					Juneau	Town of Lisbon	NE	SE	26	16N, 03E	0.002				
Wetland	N-W171	X (1)					Juneau	Town of Lisbon	NW	SW	25	16N, 03E	0.002				
Wetland	N-W172	X (1)					Juneau	Town of Lisbon	SW	SW	25	16N, 03E	0.002				
Wetland	N-W173	X (3)					Juneau	Town of Lisbon	NW	NW	36	16N, 03E	0.002				
JUNT to Lemonweir River	N-R81		X				Juneau	Town of Lisbon	NE	SW	36	16N, 03E	0.007				
Wetland	N-W176	X (1)					Juneau	City of Mauston	NW	NW	36	16N, 03E	---				
Wetland	N-W178	X (1)					Juneau	Town of Lindora	NE	NE	1	15N, 03E	0.002				
Wetland	N-W178	X (1)					Juneau	City of Mauston	SE	NE	1	15N, 03E	0.002				

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RESOURCE	ACTIVITY		LOCATION				RESOURCE IMPACT			WDNR DOCKET ^h							
	Application Unique ID ⁷	WQC ^a	Bridge	Dredging Plow / Trench	Misc. Structure	Grading ^g	County	Town, Village, City	OO		Q	Section	Township, Range (E/W)	Wetland Impact (acres) ^c	O/E	Trout	Other
Wetland	N-W179	X (2)					Juneau	Town of Lemonweir	NE SW NW SW SE NE SE NW SE SW	SW 6 SW 6 NE 1 NW 6 NW 6	6 6 1 6 6	15N, 04E 15N, 04E 15N, 03E 15N, 04E 15N, 04E	0.005				
Wetland	N-R82		X				Juneau	Town of Lemonweir	SW	NW 6	6	15N, 04E	---				
Wetland	N-W182	X (1)					Juneau	Town of Lemonweir	SE 7 NE NW NE NW NE NW NW NW NW SW SW SW	SE 7 NW 17 NW 17 NW 17 SW 8 SW 18	7 17 17 17 8 18	15N, 04E 15N, 04E	0.004				
Wetland	N-W185	X (5)					Juneau	City of Moulton Town of Lemonweir	NE SE NE SE NW NW NW SW SW SW	SE 7 SE 7 NW 17 SW 8 SW 18	7 7 17 8 18	15N, 04E	0.011			X	
Wetland	N-R84				X	X	Juneau	Town of Lemonweir	NW	NW 17	17	15N, 04E	---				X
Wetland	N-R85				X	X	Juneau	Town of Lemonweir	NE	NW 17	17	15N, 04E	---				X
Wetland	N-R85a				X	X	Juneau	Town of Lemonweir	NE	NW 17	17	15N, 04E	---				X
Wetland	N-W186	X (3)					Juneau	Town of Lemonweir	NE SE NW SW SE NE SE SW	SE 17 SW 16 NE 17 NE 17 SE 17	17 16 17 17 16	15N, 04E 15N, 04E	0.007				
Wetland	N-R85b		X				Juneau	Town of Lemonweir	NE SE NW SW SE NE SE SW	SE 17 SW 16 NE 17 NE 17 SE 17	17 16 17 17 16	15N, 04E 15N, 04E	---				
Wetland	N-W187	X (4)					Juneau	Town of Lemonweir	NE SW SE SE SE SW	SW SW SW		15N, 04E	0.009				
Wetland	N-R85c		X				Juneau	Town of Lemonweir	SE SW	SE 16	16	15N, 04E	---				
Wetland	N-R85d		X				Juneau	Town of Lemonweir	SE SW	SE 16	16	15N, 04E	---				
Wetland	N-R86		X				Juneau	Town of Lemonweir	SE SE SW SE	SE 16 SE 16	16 16	15N, 04E 15N, 04E	---				
Wetland	N-R88		X				Juneau	Town of Lemonweir	SW	NW 23	23	15N, 04E	---				
Wetland	N-W193	X (1)					Juneau	Town of Lemonweir	NW SE	SE 23	23	15N, 04E	0.002				
Wetland	N-W194	X (1)					Juneau	Town of Lemonweir	SE SE SE SW	SE 23 SE 23	23 23	15N, 04E 15N, 04E	0.002				
Wetland	N-W198	X (1)					Juneau	Town of Lemonweir	NE NW	NW 25	25	15N, 04E	0.002				
Wetland	N-W197	X (2)					Juneau	Town of Kildare	NE NE SE NE SW NW	NE 31 NE 31 NW 31	31 31 31	15N, 05E 15N, 05E	0.005			X	
Wetland	N-R89		X				Juneau	Town of Kildare	NE NE	SE 31	31	15N, 05E	---				
Wetland	N-V200	X (2)					Juneau	Town of Kildare	SE SE SW SE	SE 32 SE 32	32 32	15N, 05E 15N, 05E	0.005				
Wetland	M-W1	X (1)					Juneau	Town of Kildare	NE NE NW NW	NE 4 NW 4	4 4	14N, 05E	0.002				X

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	Wetland	Waterway		Bridge	Dredging Plow / Trench	Misc. Structure	Grading ⁸	County	Town, Village, City	OO	Q	Section	Township, Range (E/W)		Wetland Impact (acres) ⁹	O/E	Trout
Holzander Creek	M-R1			X			Juneau	Town of Kildare	NE	NE	5	14N, 05E			X		
Wetland	M-W2	X (3)					Juneau	Town of Lyndon	NW	SW	4	14N, 05E	0.007			X	
Tracy Creek	M-R2			X			Juneau	Town of Kildare	NE	NW	4	14N, 05E			X		
Wetland	M-W3	X (1)					Juneau	Town of Kildare	SE	NE	4	14N, 05E	0.002				
Wetland	M-W4	X (2)					Juneau	Village of Lyndon Station	NE	SE	4	14N, 05E	0.005				
Wetland	M-W5	X (1)					Juneau	Village of Lyndon Station	NW	SW	3	14N, 05E	0.002				
Lyndon Creek	M-R3			X			Juneau	Village of Lyndon Station	SW	SW	3	14N, 05E				X	
Wetland	M-W7	X (3)					Juneau	Village of Lyndon Station	SE	SW	3	14N, 05E	0.006				
Wetland	M-W6	X (1)					Juneau	Village of Lyndon Station	NE	NW	10	14N, 05E	0.002				
Wetland	M-W11	X (1)					Juneau	Village of Lyndon Station	NW	NE	10	14N, 05E	0.002				
Wetland	M-W12	X (1)					Juneau	Town of Lyndon	NE	NE	14	14N, 05E	0.002				
Wetland	K-W1	X (1)					Juneau	Town of Lyndon	SW	SE	11	14N, 05E	0.002				
Wetland	K-W4	X (1)					Juneau	Town of Lyndon	SW	NW	13	14N, 05E	0.002				
Wetland	K-W5	X (2)					Juneau	Town of Lyndon	NW	SE	13	14N, 05E	0.004				
JUNT to Glimore Creek	K-R1			X			Juneau	Town of Lyndon	SE	SE	13	14N, 05E					
Wetland	K-W6	X (1)					Juneau	Town of Lyndon	SE	SE	24	14N, 05E	0.002			X	
JUNT to Glimore Creek	K-R2			X			Juneau	Town of Lyndon	NE	NE	24	14N, 05E			X		
Glimore Creek	K-R3			X			Juneau	Town of Lyndon	NE	NE	24	14N, 05E					
JUNT to Wisconsin River	J-R1			X			Sauk	City of Wisconsin Dells	NW	SW	5	13N, 06E					
Wetland	H-W1	X (1)					Sauk	City of Wisconsin Dells	NE	NE	6	13N, 06E	0.002			X	
JUNT to Wisconsin River	H-R2			X			Sauk	City of Wisconsin Dells	SE	NE	6	13N, 06E					
Wetland	H-W3	X (1)					Sauk	Town of DeLeon	SW	SE	8	13N, 06E	0.002				
JUNT to Wisconsin River	H-R3			X			Sauk	Town of DeLeon	NW	NE	17	13N, 06E					
JUNT to Lake Bliss	H-R5			X			Sauk	Village of Lake DeLeon	SE	NW	20	13N, 06E					
JUNT to Lake Bliss ^h	H-R5a			X	X		Sauk	Village of Lake DeLeon	SE	NW	20	13N, 06E					
JUNT to Wisconsin River	H-R7			X			Sauk	Town of Fairfield	NE	NW	5	12N, 07E					

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	Application Unique ID ⁷	WQC ^a	Bridge	Dredging Plow / Trench	Misc. Structure	Grading ⁸	County	Town, Village, City	QQ	Q		Section	Township, Range (E/W)	Wetland Impact (acres) ^c	O/E	Trout
Wetland	H-W11	X (1)					Sauk	Town of Fairfield	NE SE	SE	2	12N, 07E	0.002			X
Wetland	H-W12	X (9)					Sauk	Town of Fairfield	SE SE	SE	2	12N, 07E				
Wetland	H-W12	X (9)					Sauk	Town of Fairfield	SW SW	SW	1	12N, 07E				X
Wetland	H-W12	X (9)					Sauk	Town of Fairfield	SE SE	SE	1	12N, 07E				
Wetland	H-W12	X (9)					Sauk	Town of Fairfield	SW SW	SW	12	12N, 07E	0.020			
Wetland	H-W12	X (9)					Sauk	Town of Fairfield	NE NE	NE	12	12N, 07E				
Wetland	H-W12	X (9)					Sauk	Town of Fairfield	NW NW	NW	7	12N, 08E				
Wetland	H-W13	X (3)					Columbia	Town of Caledonia	NE SE	SE			0.007			X
Wetland	H-W13	X (3)					Columbia	Town of Caledonia	NE SW	SW						
Wetland	H-W13	X (3)					Columbia	Town of Caledonia	NW SE	SE	8	12N, 08E				
Wetland	H-W13	X (3)					Columbia	Town of Caledonia	SE SE	SE	8	12N, 08E				
Wetland	H-W14	X (5)					Columbia	Town of Caledonia	NE SE	SE	8	12N, 08E	0.011			X
Wetland	H-W14	X (5)					Columbia	Town of Caledonia	NW NE	NE	16					
Wetland	H-W14	X (5)					Columbia	Town of Caledonia	SE SE	SE	9					
Wetland	H-W14	X (5)					Columbia	Town of Caledonia	SW SW	SW	9	12N, 08E				
Wetland	H-W14	X (5)					Columbia	Town of Caledonia	SW SW	SW	9	12N, 08E				
Wetland	H-W16	X (5)					Columbia	Town of Caledonia	NE NE	NE	16		0.011			X
Wetland	H-W16	X (5)					Columbia	Town of Caledonia	NE NW	NW	15					
Wetland	H-W16	X (5)					Columbia	Town of Caledonia	NW NE	NE	16					
Wetland	H-W16	X (5)					Columbia	Town of Caledonia	NW NW	NW	15					
Wetland	H-W16	X (5)					Columbia	Town of Caledonia	SE NW	NW	15					
Wetland	H-W16	X (5)					Columbia	Town of Caledonia	SW SW	SW	15	12N, 08E				
Wetland	H-W17	X (4)					Columbia	Town of Caledonia	NE SE	SE			0.009			
Wetland	H-W17	X (4)					Columbia	Town of Caledonia	NW SE	SE						
Wetland	H-W17	X (4)					Columbia	Town of Caledonia	SE SE	SE	15	12N, 08E				
Wetland	H-W18	X (1)					Columbia	Town of Caledonia	SE SE	SE	15	12N, 08E	0.002			
Wetland	H-W19	X (2)					Columbia	Town of Caledonia	NW NW	NW	23					
Wetland	H-W19	X (2)					Columbia	Town of Caledonia	SE SE	SE	15	12N, 08E	0.004			X
Wetland	H-W21	X (1)					Columbia	Town of Caledonia	SW SW	SW	14	12N, 08E				
Wetland	H-W21	X (1)					Columbia	Town of Caledonia	SE SW	SW	25	12N, 08E	0.003			
Wetland	G-R1				X		Columbia	Town of Decorah	SE NW	NW	12	11N, 08E	---			X
Wetland	G-R2				X		Columbia	Town of Decorah	SE NW	NW	12	11N, 08E	---			X
Wetland	G-R3				X		Columbia	Town of Decorah	NW SE	SE	12	11N, 08E	---			X
Wetland	G-W3	X (1)					Columbia	Town of Decorah	NE NE	NE	13		0.002			
Wetland	G-W3	X (1)					Columbia	Town of Decorah	SE SE	SE	12	11N, 08E				
Wetland	G-W4	X (2)					Columbia	Town of Decorah	SE SW	SW	12	11N, 08E	0.004			
Wetland	G-R4						Columbia	Town of Decorah	NE NE	NE	13	11N, 08E	---			
Wetland	G-R4						Columbia	Town of Decorah	NE NE	NE	13	11N, 08E	---			
Wetland	G-R4a						Columbia	Town of Decorah	NE NE	NE	13	11N, 08E	---			

Appendix F Exhibit I

DOCKET NO. 5-CE-142

Table 8 WDNR Wetland/Waterway Impact Location Table

Supplement Document to WDNR Form 3500-53. Check all that apply.

Northern Route^g

RESOURCE	Application		WQC ^A	ACTIVITY			LOCATION					RESOURCE IMPACT			WDNR DOCKET ¹		
	Unique ID ²	WQC ^A		Bridge	Dredging Flow / Trench	Misc. Structure	Grading ^g	County	Town, Village, City	QQ	Q	Section	Township, Range (E/W)	Wetland Impact (acres) ^f		O/E	Trout
Wetland	E-W1	X (1)					Columbia	Town of Dekorra	NW	SE	19	11N, 09E	0.002				
Wetland	E-W2	X (1)					Columbia	Town of Dekorra	SE	NE	30	11N, 09E	0.002				X
Wetland	E-W3	X (1)					Columbia	Town of Dekorra	SE	NE	30	11N, 09E	0.004				X
Wetland	E-W2a	X (1)					Columbia	Town of Dekorra	NW	SE			0.002				X
Wetland	E-W2c	X (1)					Columbia	Town of Dekorra	NE	NE	31	11N, 09E					
Wetland	E-W4	X (1)					Columbia	Town of Dekorra	NW	SE	30	11N, 09E	0.004				X
Wetland	E-W6	X (1)					Columbia	Town of Dekorra	NE	NE	31	11N, 09E	0.004				
Wetland	E-W7	X (1)					Columbia	Town of Dekorra	NE	NE	31	11N, 09E	0.002				
Wetland	E-W12a	X (1)					Columbia	Town of Dekorra	SE	NE	31	11N, 09E	0.002				
Wetland	E-R2			X			Columbia	Town of Dekorra	SE	NE	31	11N, 09E	---				
Wetland	E-R3			X			Columbia	Town of Arlington	NW	NW	5	10N, 09E	---				
Wetland	E-R6			X			Columbia	Town of Arlington	NW	NW	5	10N, 09E	---				
Wetland	E-W12a	X (1)					Columbia	Town of Arlington	NW	NW	8	10N, 09E	0.002				
Wetland	E-R5a			X			Columbia	Town of Arlington	NW	NW	8	10N, 09E	---				
Wetland	E-W12b	X (1)					Columbia	Town of Arlington	SE	SW	17	10N, 09E	0.002				
Wetland	E-W14	X (1)					Columbia	Town of Arlington	NE	SE	33	10N, 09E	0.002				
Wetland	E-W15	X (1)					Columbia	Town of Arlington	NW	SW	34	10N, 09E	0.002				
Wetland	E-W17	X (1)					Dane	Town of Verona	SE	SW	34	10N, 09E	0.002				
Wetland	E-W19	X (1)					Dane	Town of Verona	NE	NW	3	09N, 09E	0.003				
Wetland	D-W1	X (1)					Dane	Town of Verona	NW	SE	3	09N, 09E	0.002				X
Wetland	D-W2	X (1)					Dane	Town of Verona	NE	SW	10	09N, 09E	0.002				
Wetland	D-R2	X (1)					Dane	Town of Verona	SE	NW	18	09N, 09E	0.002				
Wetland	A-W2	X (1)					Dane	Town of Springfield	NE	SW			0.002				
Wetland	D-R2	X (1)					Dane	Town of Springfield	NE	SW	5	08N, 08E	---				
Wetland	A-W2	X (1)					Dane	Town of Middlebn	NE	SW	8	07N, 08E	0.004				

DOCKET NO. 5-CE-142

Table 8 WDNR Wetland/Waterway Impact Location Table

Supplement Document to WDNR Form 3500-53. Check all that apply.

Northern Route^g

RESOURCE	ACTIVITY			LOCATION				RESOURCE IMPACT				WDNR DOCKET ¹				
	Application Unique ID ²	WQC ^A	Bridge	Dredging Flow / Trench	Misc. Structure	Grading ^B	County	Town, Village, City	QQ	Q	Section		Township, Range (E/W)	Wetland Impact (acres) ^C	O/E	Trout
Wetland	A-VG	X (2)					Dane	Town of Middleton	NE NW SE SW	SW SE NW NE	8	07N, 08E	0.006			
Wetland	A0B0-W2	X (1)					Dane	Town of Middleton	NW	SE	8	07N, 08E	0.003			
Total	---	273	106	---	---	---	---	---	---	---	---	---	0.629	---	---	---
OFF ROW ACCESS																
JUNT to Beaver Creek	N-OR-R1		X				Trempealeau	Town of Gale	SE	NW	1	19N, 08W	---			
JUNT to Trempealeau River (side channel) ^H	N-OR-R2		X		X		Trempealeau	Town of Preston	SW	SW	11	21N, 07W	---		X	X
Total Off-ROW Access	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL (with off-ROW access)	---	273	108	---	---	---	---	---	---	---	---	---	0.629	---	---	---

Notes:

- ¹ JUNT = unnamed tributary, indicate where water flows (e.g. JUNT to Silver Creek)
 - ² Insert the code or other reference used in application (e.g. WL-3, S-27)
 - ³ Assigned by the WDNR (e.g. IP4NO-2012-4-10527)
- (please submit in excel format)
- PSC footnotes provided with this table are italicized

^A Parenthetical value refers to preliminary worst-case estimate of the number of structures to be placed in wetlands

^B Grading in excess of 10,000 ft² on the banks of some waterways may be required during construction; however the extent / location of this grading will not be determined until after a route is ordered during final design. These areas will be identified in the Erosion Control Plan; however, probable areas where this may occur are identified in this table.

^C The wetland impact area (area of permanent fill) is dependent upon the number and type of structure(s) within a wetland. For each wetland, the area of fill was determined from the number of structures within the wetland, the number of poles per structure and the pole or foundation diameter.

^D Refer to Table 9 for a determination of why these features are considered Areas of Special Natural Resource Interest (ASNRI)

^E Structures may need to be temporarily placed below the OHWM of these waterways to facilitate access. Structure types may include wooden mats; and/or piers, sheet piling or jersey barriers to support a bridge. The structures would be removed, and existing contours restored, after construction. The need for structure placement below the OHWM will be determined during final design after a route is ordered.

Appendix F Exhibit I

DOCKET NO. 5-CE-142

Table 8 WDNR Wetland/Waterway Impact Location Table

Supplement Document to WDNR Form 3500-53. Check all that apply.

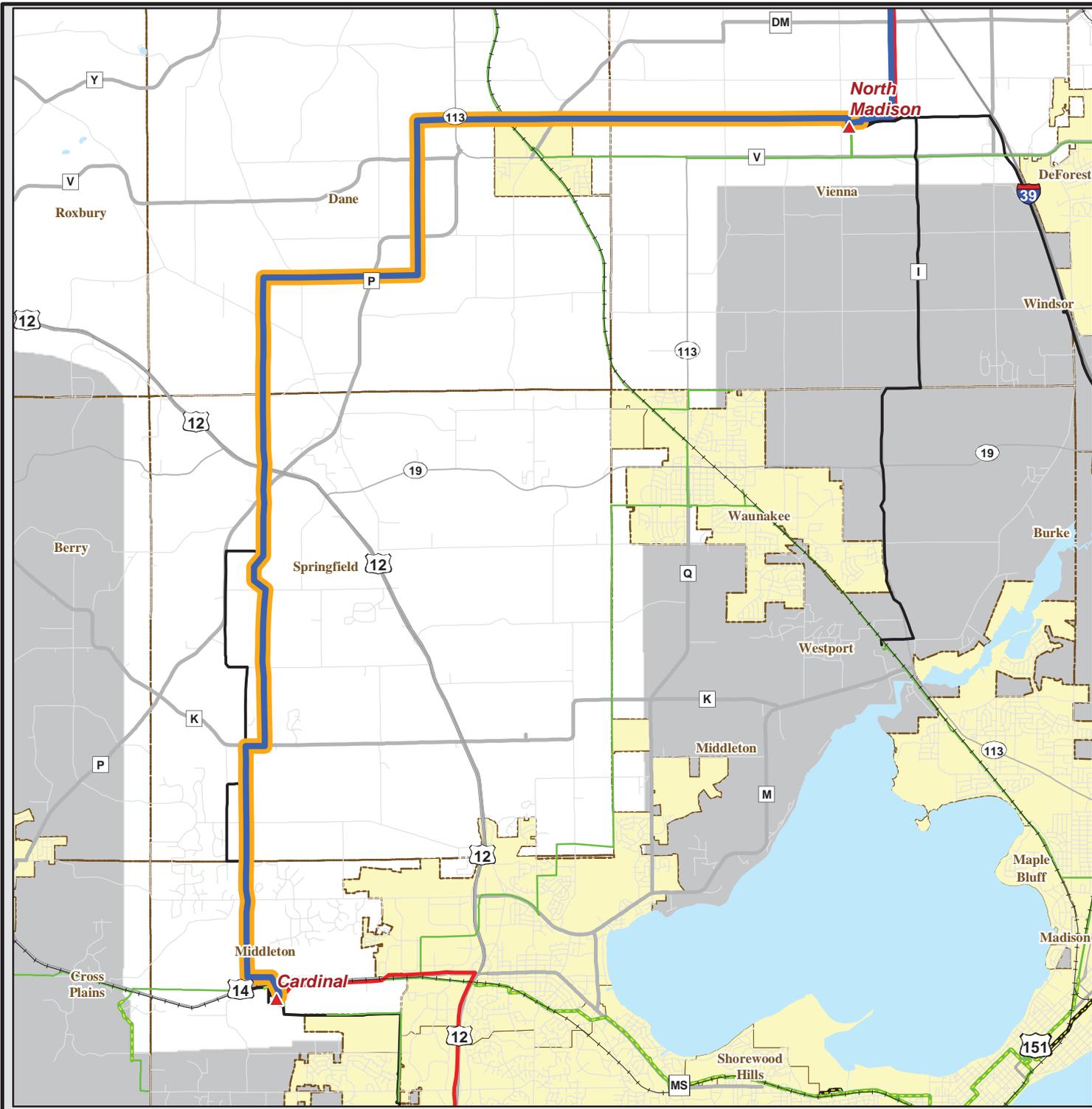
Northern Route^g

RESOURCE		ACTIVITY				LOCATION				RESOURCE IMPACT			WDNR DOCKET ^h				
Waterway/Wetland Name ¹	Application Unique ID ²	WQC ^a	Bridge	Dredging / Plow / Trench	Misc. Structure	Grading ^b	County	Town, Village, City	QQ	Q	Section	Township, Range (E/W)		Wetland Impact (acres) ^c	O/E	ASNR ^d	Trout

^f Structures may need to be temporarily placed below the OHWM of these waterways to facilitate access for tree clearing equipment and crews. Structure types may include wooden mats or other material to support equipment, and may include driving the vehicles directly on the bed of these waterways or a barge resting on the waterway bed. In addition, grading >10,000 square feet on the banks of these waterways may be needed depending upon the method of clearing access utilized. The structures would be removed, and existing contours restored, after construction. Additional detail regarding structure placement below the OHWM and grading will be determined during final design after a route is ordered. Please refer to Section 6.5 and 8.0 of the Joint Application for additional detail.

^g Wetland / waterway impacts are the same for the Northern Route and the Northern Route with Segment P-East

^h Due to the width of this crossing, an instream support structure (e.g., a culvert, concrete block or similar material) may be needed to support the bridge for access across this waterway



Approved Route
Construction Segment 1
BADGER COULEE 345-KV TRANSMISSION LINE PROJECT

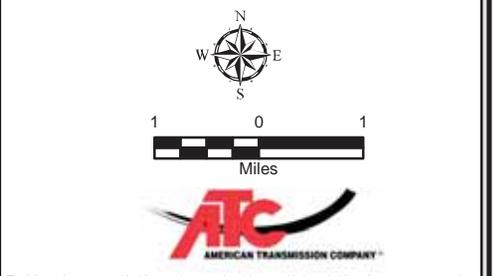


Approved Badger Coulee Route
 Construction Segment 1

EXISTING ATC OR NSPW TRANSMISSION LINES

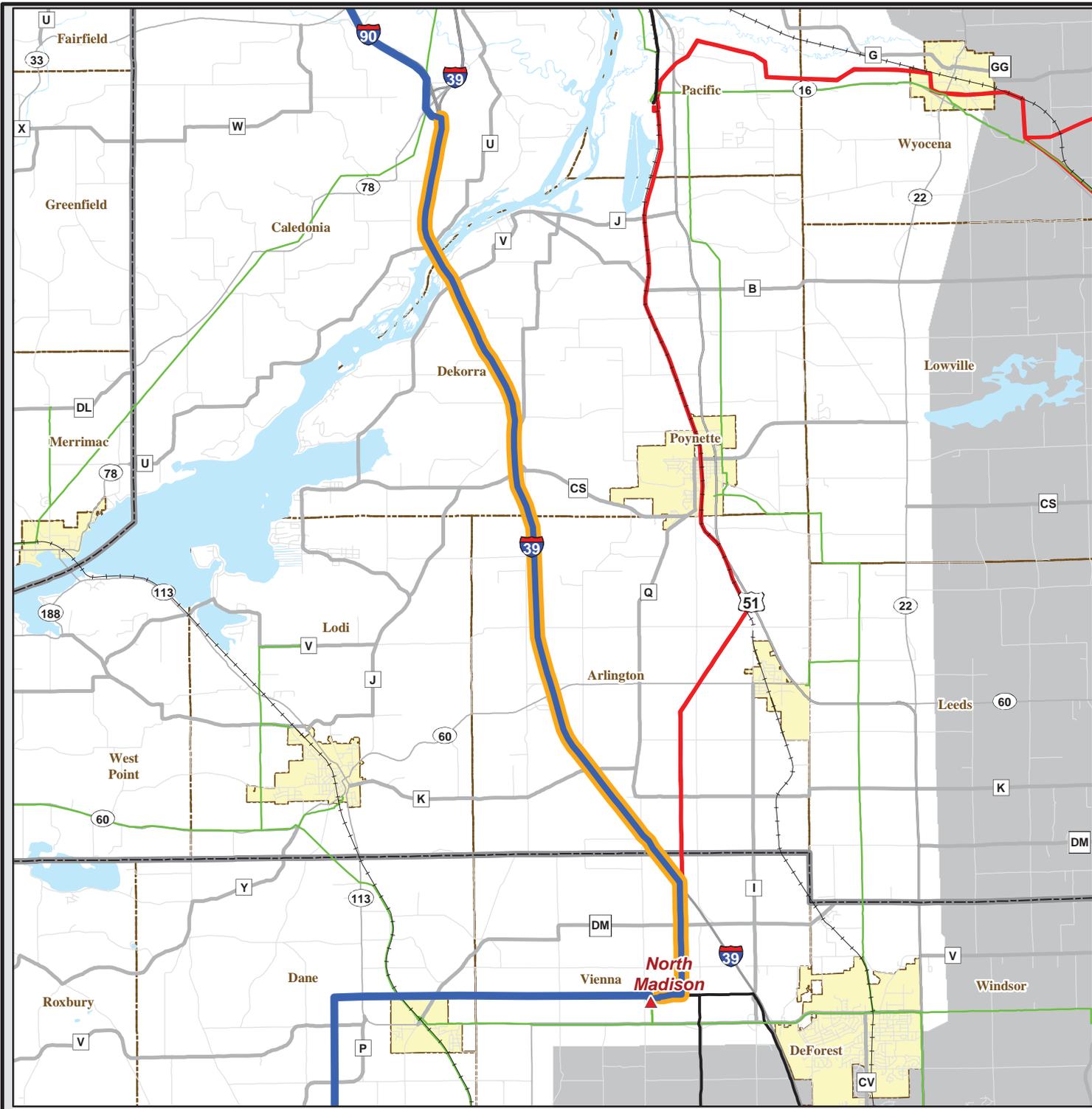
69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

Outside Study Area
 Study Area
 EXISTING SUBSTATION
 COUNTY BOUNDARY
 City/Village

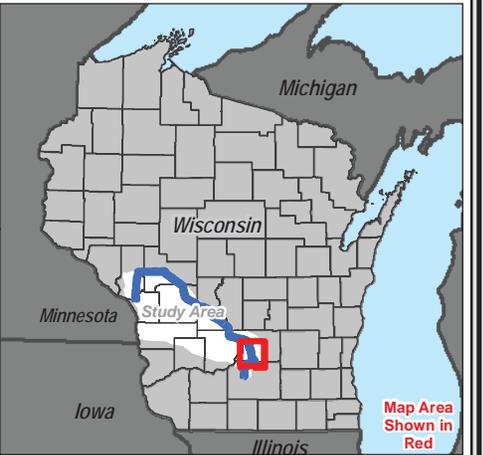


The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate.
 Base Map Data Sources: ATC, WDNR, PSCW, NSPW, NNG, DPC, WDOT.

APRIL 2015



Approved Route
Construction Segment 2
BADGER COULEE 345-KV TRANSMISSION LINE PROJECT



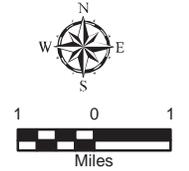
Approved Badger Coulee Route
 Construction Segment 2

EXISTING ATC OR NSPW TRANSMISSION LINES

69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

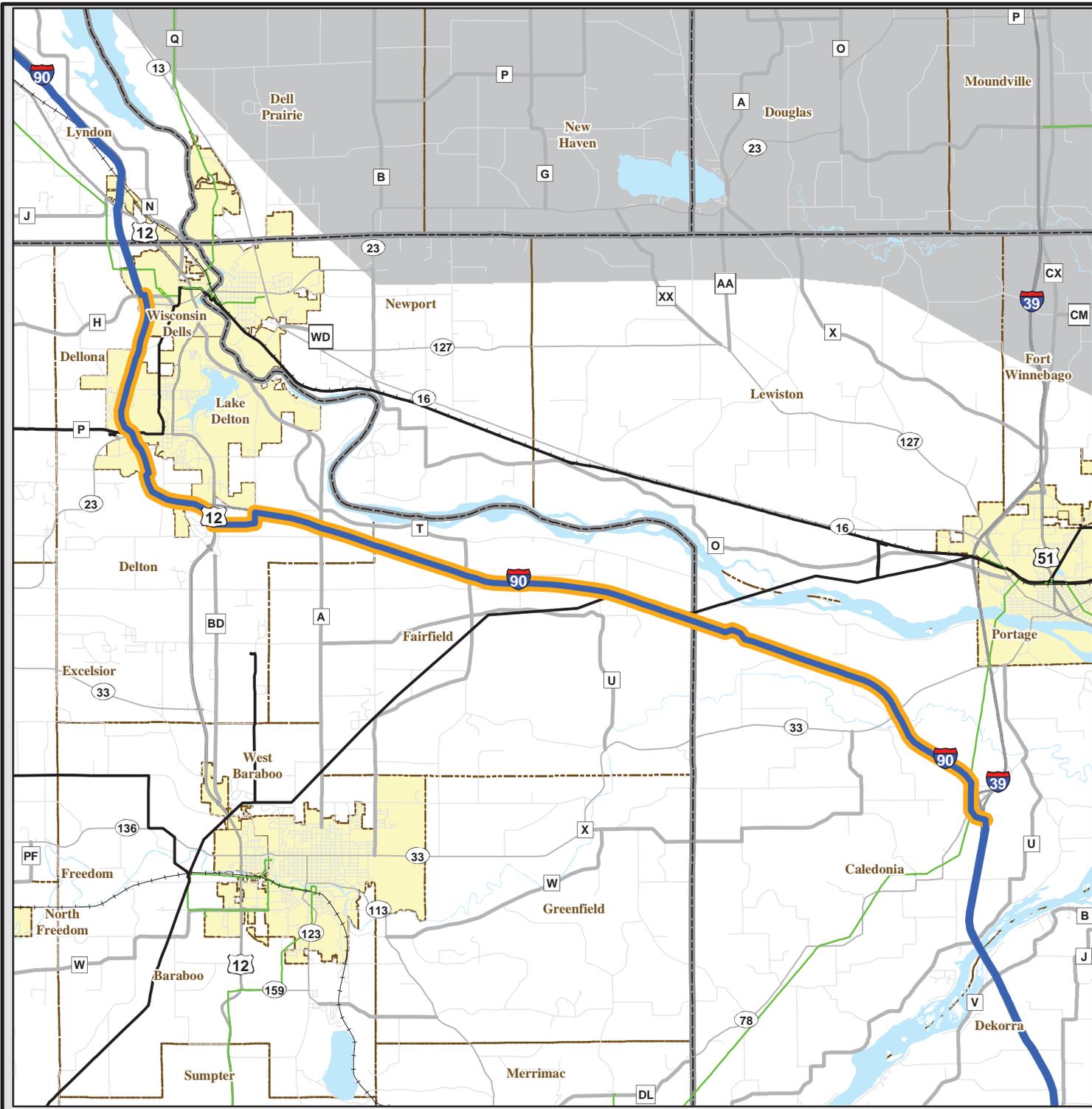
Outside Study Area
 Study Area

EXISTING SUBSTATION
 COUNTY BOUNDARY
 City/Village



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APRIL 2015



Approved Route
Construction Segement 3
BADGER COULEE 345-KV
TRANSMISSION LINE PROJECT

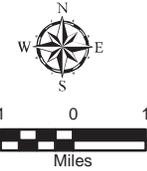


Approved Badger Coulee Route
 Construction Segement 3

EXISTING ATC OR NSPW TRANSMISSION LINES

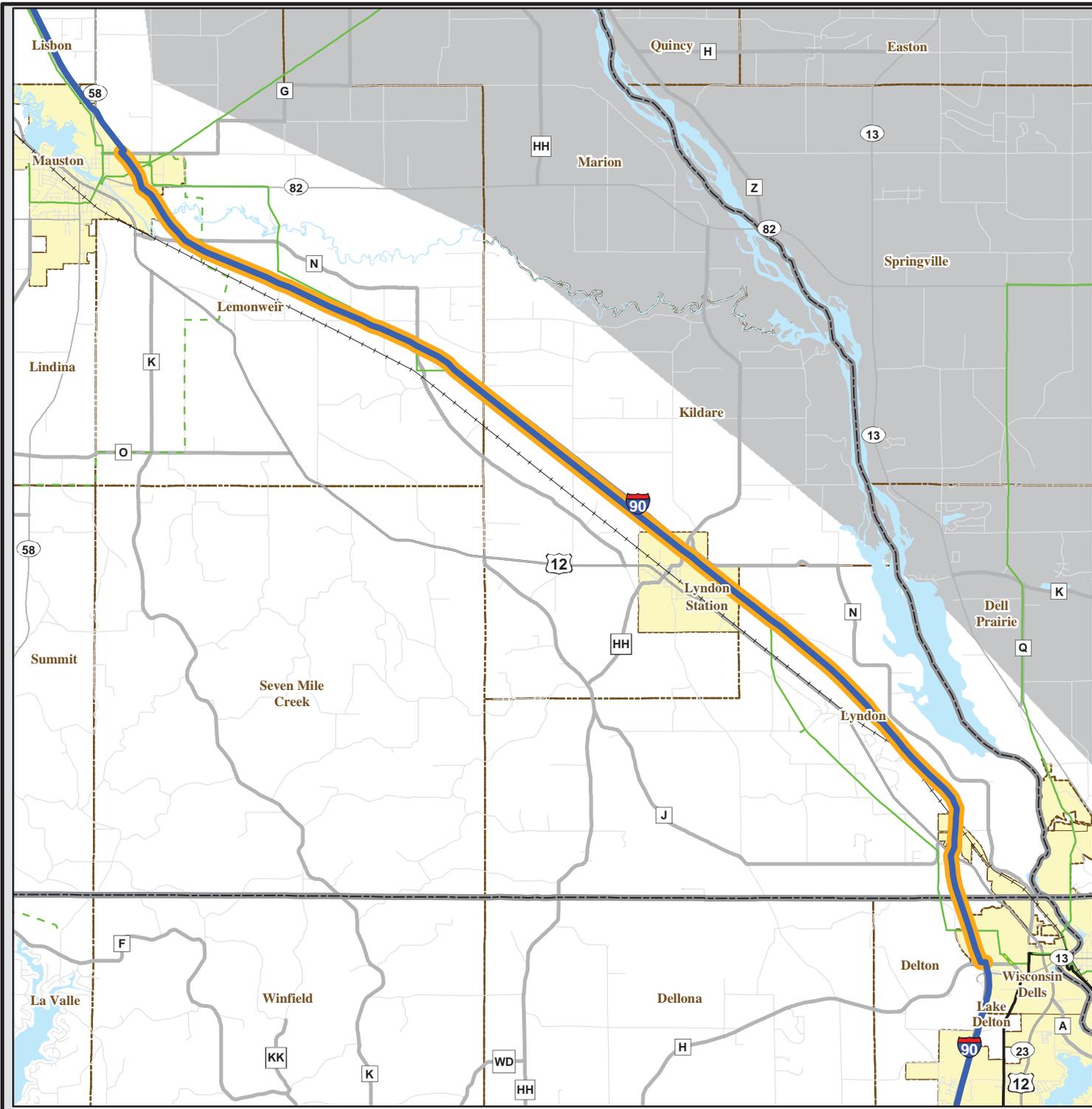
69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

Outside Study Area	EXISTING SUBSTATION
Study Area	COUNTY BOUNDARY
	City/Village



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APRIL 2015



Approved Route
Construction Segement 4
BADGER COULEE 345-KV
TRANSMISSION LINE PROJECT

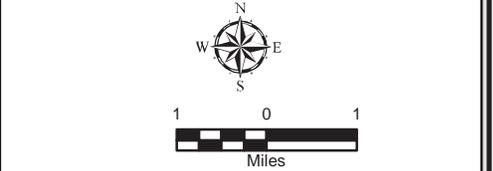


Approved Badger Coulee Route
 Construction Segement 4

EXISTING ATC OR NSPW TRANSMISSION LINES

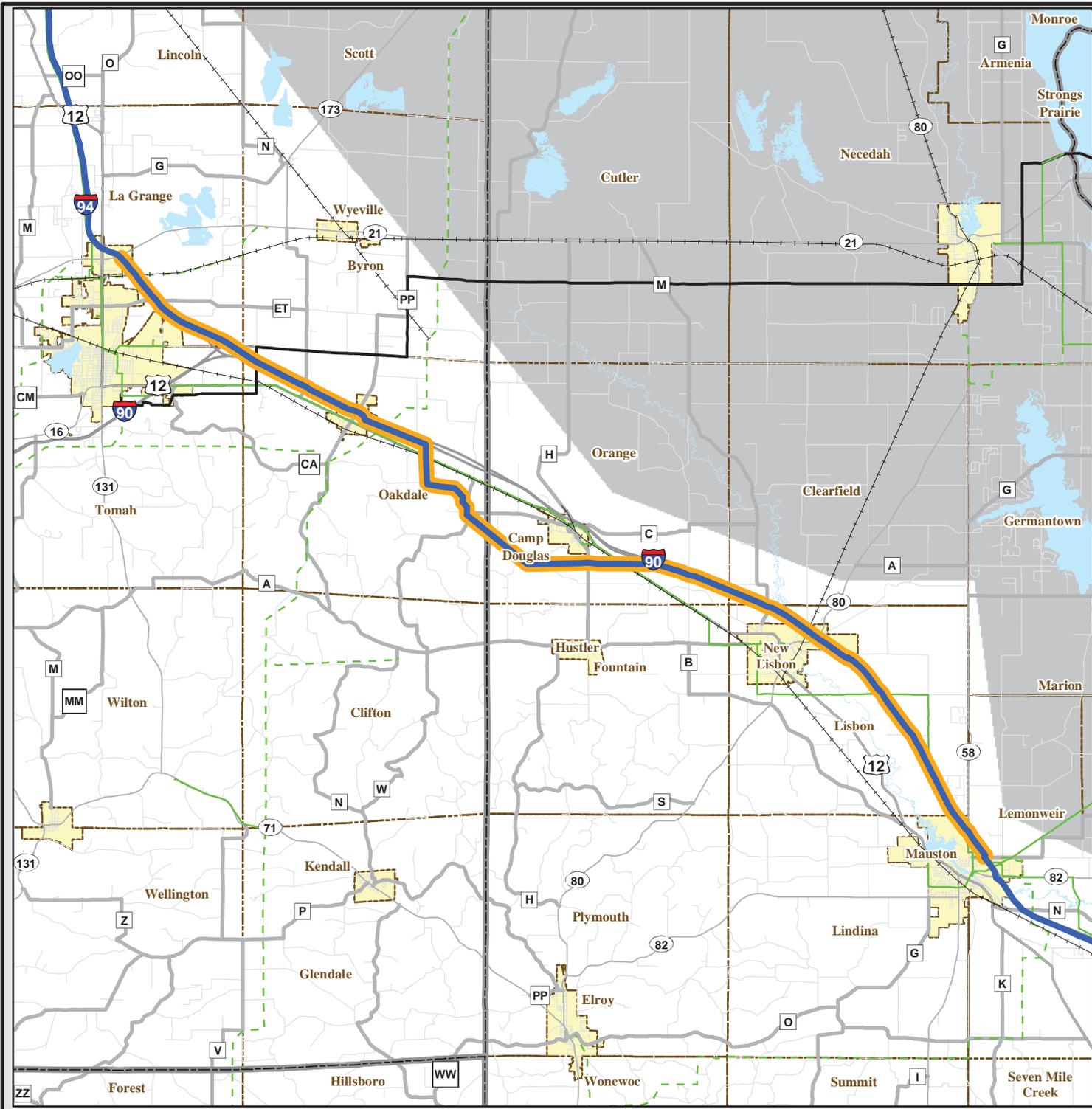
69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

Outside Study Area
 Study Area
 EXISTING SUBSTATION
 COUNTY BOUNDARY
 City/Village

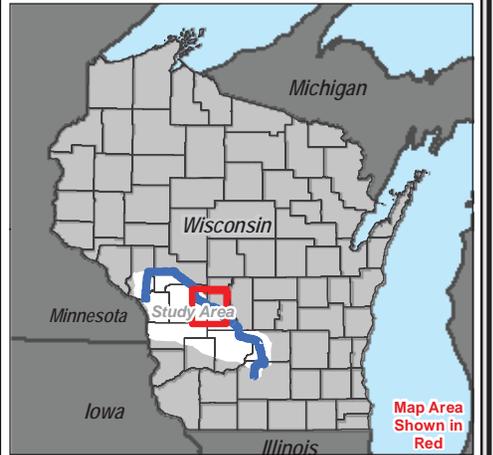


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 Base Map Data Sources: ATC, WDNR, PSCW, NSPW, NNG, DPC, WDOT.

APRIL 2015



Approved Route
Construction Segment 5
BADGER COULEE 345-KV TRANSMISSION LINE PROJECT



Approved Badger Coulee Route
 Construction Segment 5

EXISTING ATC OR NSPW TRANSMISSION LINES

69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

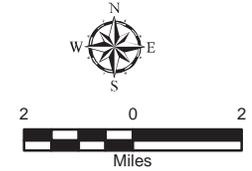
Outside Study Area

Study Area

EXISTING SUBSTATION

COUNTY BOUNDARY

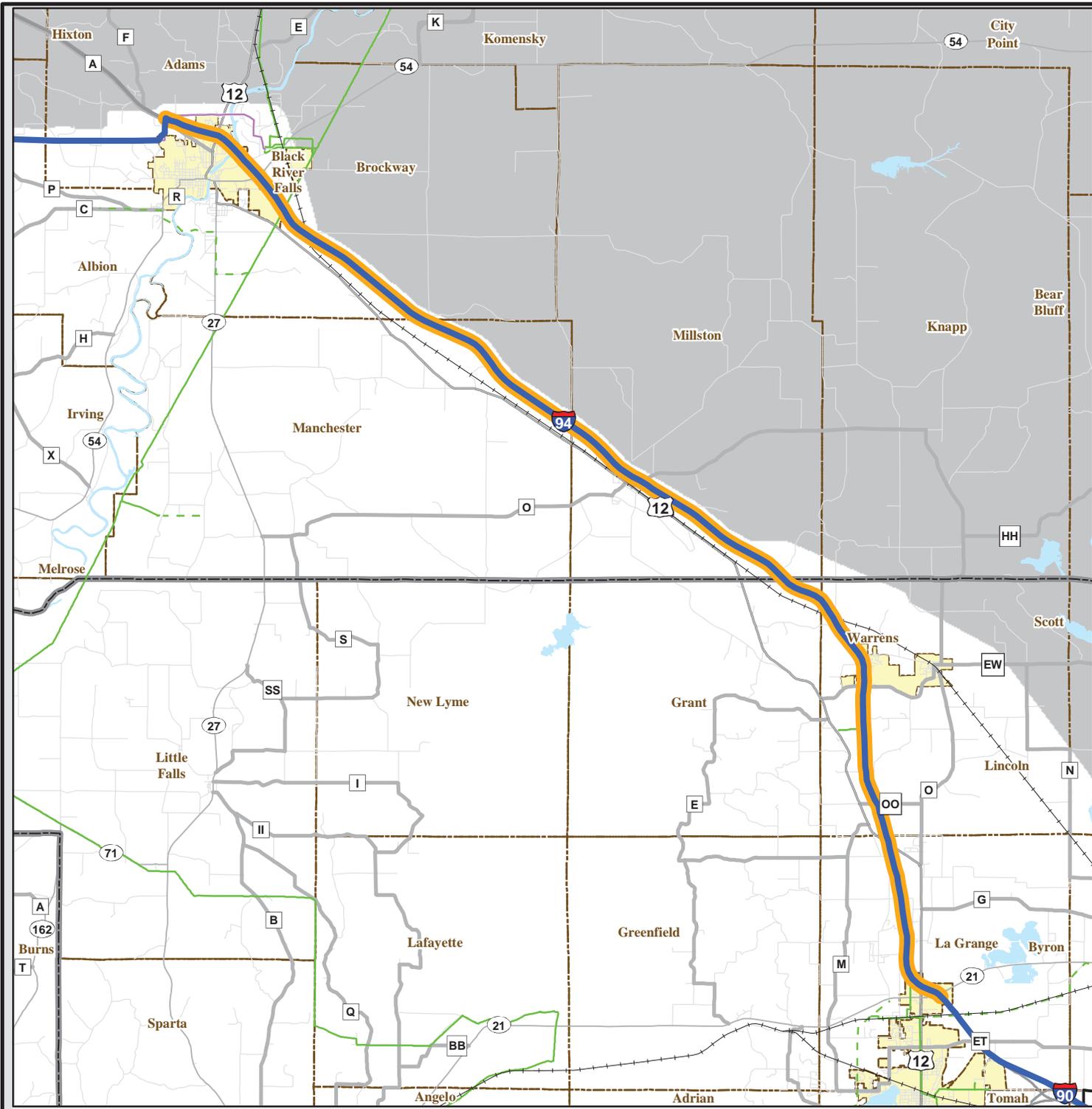
City/Village



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Base Map Data Sources: ATC, WDNR, PSCW, NSPW, NNG, DPC, WDOT.

MAY 2015



Approved Route
Construction Segement 6
BADGER COULEE 345-KV
TRANSMISSION LINE PROJECT

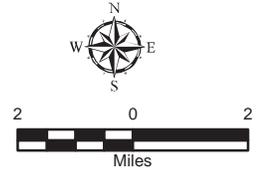


Approved Badger Coulee Route
 Construction Segement 6

EXISTING ATC OR NSPW TRANSMISSION LINES

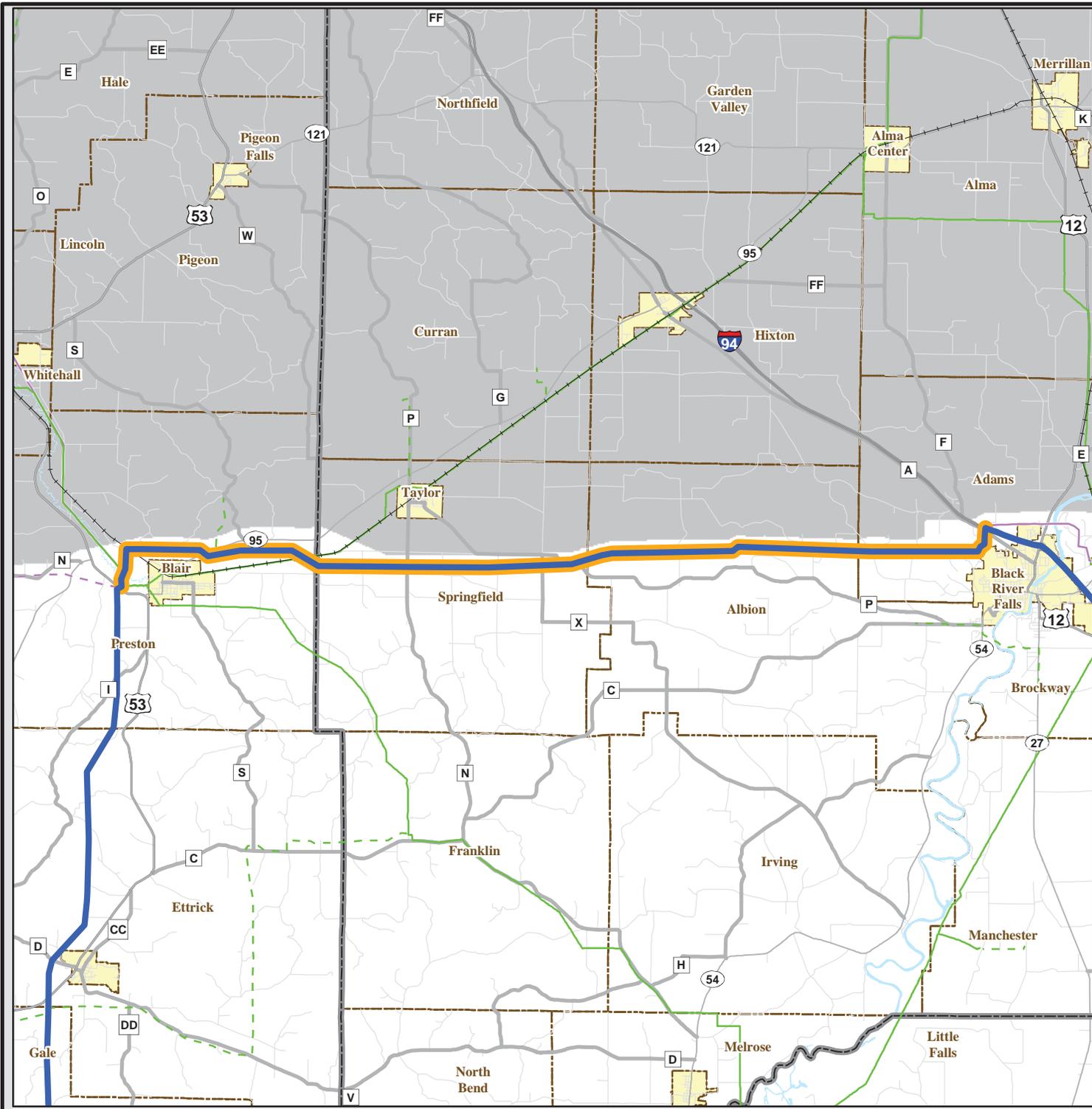
69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

Outside Study Area EXISTING SUBSTATION
 Study Area COUNTY BOUNDARY
 City/Village

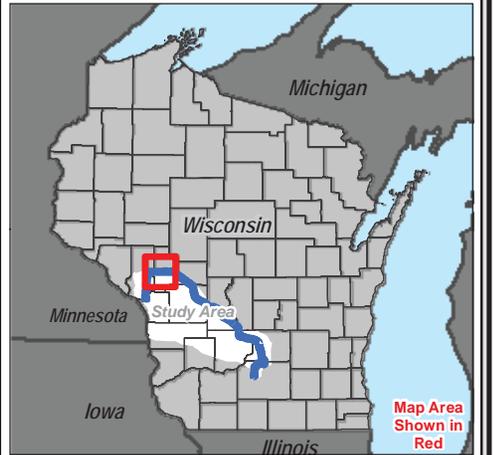


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MAY 2015



Approved Route
Construction Segment 7
BADGER COULEE 345-KV TRANSMISSION LINE PROJECT

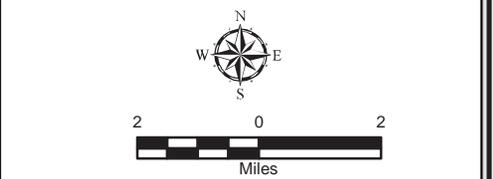


Approved Badger Coulee Route
 Construction Segment 7

EXISTING ATC OR NSPW TRANSMISSION LINES

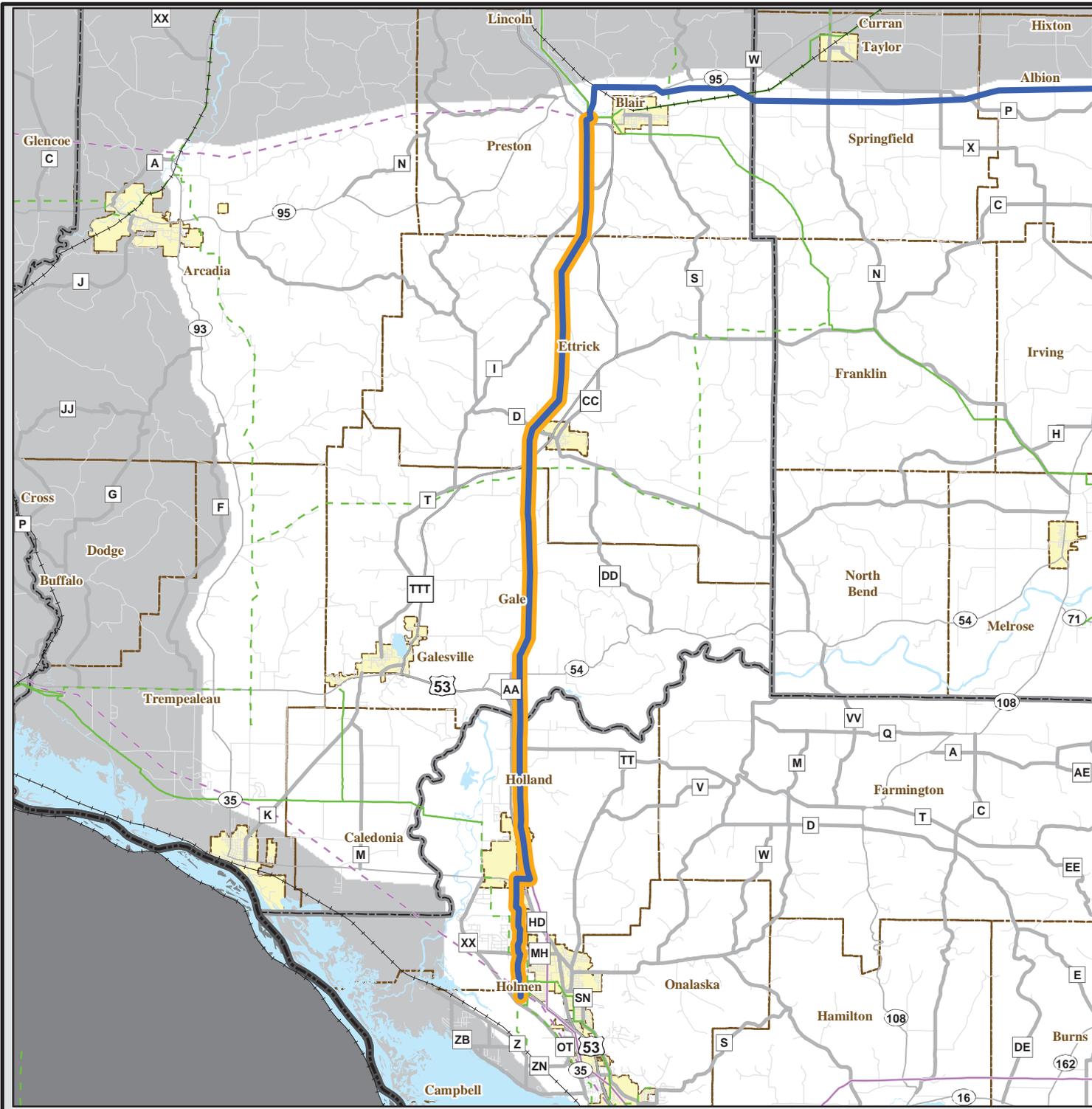
69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

Outside Study Area
 Study Area
 EXISTING SUBSTATION
 COUNTY BOUNDARY
 City/Village



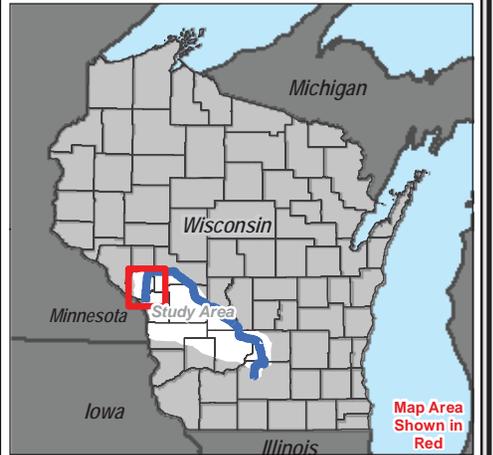
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 Base Map Data Sources: ATC, WDNr, PSCW, NSPW, NNG, DPC, WDOT.

MAY 2015



Approved Route
Construction Segement 8

BADGER COULEE 345-KV TRANSMISSION LINE PROJECT

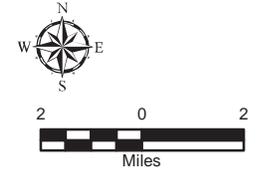


Approved Badger Coulee Route
 Construction Segement 8

EXISTING ATC OR NSPW TRANSMISSION LINES

69 kV	161 kV	Interstate, US or State Highway
69 kV Underground	345 kV	Railroad
Substation		

Outside Study Area EXISTING SUBSTATION
 Study Area COUNTY BOUNDARY
 City/Village



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 Base Map Data Sources: ATC, WDNR, PSCW, NSPW, NNG, DPC, DOT.

MAY 2015