Badger Coulee 345 kV Transmission Line Project

Construction and Mitigation Plan (CMP)

Segment 7

CONSTRUCTION and MITIGATION PLAN

Badger Coulee 345 kV Transmission Line Project – Segment 7

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) (the Applicants) were granted a Ch. 30.025 utility permit by the Wisconsin Department of Natural Resources (WDNR) for work in and adjacent to wetlands and waterways for the Badger Coulee 345 kV Transmission Line Project (Permit #IP-WC/SC-2015-N20001 through N20273)(Attachment 3). This permit requires the Applicants prepare a Construction and Mitigation Plan (CMP) for work in wetlands and waterways for WDNR approval prior to beginning work in these features (General Conditions #9 and 11). As the Project Construction Manager, ATC has prepared this CMP for Segment 7, which outlines construction methods and procedures that will be followed to reduce impacts to these features. Segment 7 is located in Trempealeau and Jackson Counties and is approximately 20.5 miles long.

The components of this CMP follow those outlined in General Condition #11 of the WDNR utility permit.

A. Environmental Access Plan

An Environmental Access Plan (EAP) for Segment 7 is provided in Appendix A. This EAP shows the location of wetlands and waterways, pole locations, temporary clear span bridge (TCSB) crossings, construction access, and other pertinent information. The proposed structure foundation type is also included on the EAP. This includes an "alternate foundation" type (e.g., micropile foundation) which typically occurs in areas of steeper terrain. The structure foundation type in these areas is still being evaluated and may change; however, because they occur in uplands it will not affect wetland fill amounts.

Field work was conducted in 2013 to delineate wetlands and characterize other natural resource features along Segment 7; however, access to the entire corridor width was not available. This includes the area along the Trempealeau River (between structures 136966 and 136976), much of which was inundated at the time of field work in 2013. The project corridor was re-evaluated in 2016 during more-suitable conditions and after additional access was gained.

The following two new wetlands were identified in 2016:

- N-W31 – near structure 136980, and
- N-W51a – near structure 137069.

Wetland N-W31 was added due to an alignment shift and wetland N-W51a was added based on the dominance of hydrophytic vegetation within an isolated depression. In addition, four previously identified wetlands were removed as they are no longer dominated by hydrophytes (N-W24a from the Joint Application and N-W25a) or because the route was re-aligned (N-W29 and N-W30).

The boundaries of several wetlands were also adjusted during the 2016 field work. Wetland boundary adjustments often reduced larger wetlands into several smaller discrete areas. For example, several

upland areas were identified within wetland N-W28 and this feature was divided into smaller areas and re-labelled as N-W28 through N-W28d (these wetlands occur along the Trempealeau River and some of this area was not accessed in 2013 due to inundation). The adjusted wetland boundaries are shown on the EAP and a description summarizing the rationale for the boundary adjustments are provided in Appendix B.

As shown on the EAP, fourteen new structures will be placed in wetlands along Segment 7, requiring 0.03 acre of wetland fill. The wetlands where these structures occur and their associated EAP map pages are included in Appendix B. New structure placement in these wetlands was approved in the Joint Application. The placement of twenty-six structures in wetlands along Segment 7, requiring 0.058 acre of wetland fill, was approved in the utility permit. This reduction in number of structures in wetlands is primarily due to re-spanning of the structures, wetland boundary adjustments especially in wetlands N-W28 to N-W28d along the Trempealeau River, route adjustments (e.g., from structure 136976 to 136981) and because structures occurring within 50 feet of a wetland were conservatively included in wetland fill calculations in the Joint Application.

Up to sixteen temporary poles will be placed in wetlands to protect road crossings during construction (refer to the EAP for temporary pole locations). These temporary poles are needed from a public safety perspective in case the wires fall during stringing. These poles will be directly embedded into the ground surface which will result in approximately 0.04 acre of temporary wetland fill. The poles will be removed and the area restored to existing grade with topsoil replacement when complete. Revegetation of the disturbed areas will follow the Revegetation and Monitoring Plan (Attachment 2). Attempts to reduce the number of temporary poles in wetlands will be made; however complete avoidance is unlikely due to the position of the wetlands in the transmission line ROW at proposed road crossing locations.

Numerous existing poles will be removed from wetlands (refer to the EAP for locations). Pole removal and restoration of the area will be the same as described above for temporary pole removal.

Up to twelve TCSBs will be required along Segment 7 (Appendix A), which includes three TCSBs for off-ROW access. The TCSBs are required over the following waterways:

- N-R14a (for off-ROW access)
- N-R14b (for off-ROW access)
- N-R15a
- N-R16c (for off-ROW access)
- N-R20a
- N-R21
- N-R22
- N-R22a
- N-R22b
- N-R23
- N-R25
- N-R27b.

Except for waterways N-R14a, N-R14b, N-R15a and N-R16c, these TCSBs were approved in the WDNR utility permit. The applicants will attempt to gain alternate access from private property owners to eliminate the need for some of these TCSBs; however, at this point it is assumed all the TCSBs will be required.

The applicants are proposing to use an off-ROW access path that crosses Squaw Creek to access structure 137043 (waterway N-R28a, EAP map page 29). An existing culverted crossing of this waterway occurs along this path; however, this crossing is not wide enough to allow for safe passage of construction vehicles. The applicants are proposing to place rip-rap on the bank and below the OHWM of this feature to widen the road and stabilize the bank (refer to Appendix D for a typical plan and profile drawing of this activity). Approximately 3 cubic yards of rip-rap will be placed on the bank of this waterway, of which approximately 2 cubic yards will occur below the OHWM of this feature. The rip-rap will be permanently left in place. This activity was not included in the Joint Application; therefore, we are requesting approval for this activity as part of this CMP submittal.

Approximately 0.15 acre of permanent forested wetland clearing will be required along Segment 7 (this excludes clearing required within the existing transmission line easement). This amount of clearing along Segment 7 is slightly greater than the 0.08 acre provided in the Joint Application. This increase is due primarily to a community classification adjustment in wetland N-W51.

Construction access along Segment 7 is presented on the EAP (Appendix A). Access through wetlands has been avoided where feasible (e.g., N-W24a, N-W31 and N-W51a), or reduced by crossing only portions of wetlands (e.g., N-W26a and N-W28c). However, access through other wetlands along this segment is necessary due to equipment access constraints, project alignment and the configuration of these wetlands. (Note: *While most construction equipment will be limited in wetlands where access is not shown, lighter-duty vehicles <u>may</u> still be used for clearing or to pull the conductor through these portions of wetlands).*

Construction matting may be used to facilitate access and reduce impacts in wetlands. The table below identifies the anticipated approximate area of matting in each wetland along the proposed ROW.

Wetland Identifier	**Acreage of mats**	**Wetland Identifier**	**Acreage of mats**	**Wetland Identifier**	**Acreage of mats**	**Wetland Identifier**	**Acreage of mats**
N-W24	0.17	N-W28b	0.04	N-W36	0.65	N-W45	0.81
N-W24b	0.01	N-W28c	0.40	N-W37	0.32	N-W46	0.01
N-W24c	0.03	N-W28d	0.10	N-W38	0.06	N-W47	0.13
N-W24d	0.04	N-W32	0.04	N-W39	0.05	N-W48	0.07
N-W25	0.04	N-W32a	0.18	N-W40	0.11	N-W49	0.03
N-W26	0.20	N-W33	0.11	N-W41	0.57	N-W50	0.01

Wetland Identifier	Acreage of mats	Wetland Identifier	Acreage of mats	Wetland Identifier	Acreage of mats	Wetland Identifier	Acreage of mats
N-W26a	0.33	N-W33a	0.05	N-W42	0.88	N-W50a	0.01
N-W27	0.01	N-W33b	0.03	N-W42a	0.20	N-W51	0.06
N-W28	0.17	N-W34	0.08	N-W43	0.13		
N-W28a	0.02	N-W35	0.09	N-W44	1.90		

Off-ROW access paths will be required at several locations due primarily to difficult terrain and the meandering configuration of the Trempealeau River within the ROW. Most off-ROW access paths occur in upland areas; however, several paths cross wetlands (refer to the EAP for these locations). Wetland boundaries in off-ROW areas were conservatively determined from aerial photographs, Wisconsin Wetland Inventory, and NRCS soil mapping. Where possible, some were field verified during site walk downs. About 1.54 acres of wetland matting may be required for these off-ROW access paths. Forested wetland or shrub-carr clearing is not required along these off-ROW access paths. These off-ROW access paths are required to access between oxbows of the Trempealeau River, avoid bridging wider portions of this river, reduce impact to wetlands within the ROW, or to provide an alternate path to the ROW especially in areas of steeper terrain.

In coordination with the WDNR, approximately 0.64 acre of matting was previously installed within wetland N-W45 within the ROW (EAP map pages 19 and 20) and approximately 0.14 acre of wetland matting was installed north of the ROW near structure 137007 (EAP map page 17). This matting was installed in the fall of 2016 to allow access for a soil boring rig and removed within several weeks. Matting in both of these areas will also be required during construction.

In addition, the following off-ROW access paths not identified in the Joint Application will require upland forest clearing to access structure locations. These off-ROW paths are required as access for larger construction vehicles (e.g. concrete trucks) within the ROW is not practicable in the hilly terrain. These paths typically occur along existing pathways and require widening to accommodate construction vehicles.

- Access to structure 136961 (EAP map page 4) – clearing approximately 0.06 acre;
- Access to structure 136962-963 (EAP map page 5) – clearing approximately 0.23 acre;
- Access to structure 137023-024 (EAP map pages 22) – clearing approximately 1.08 acre;
- Access to structure 137028 (EAP map page 24) – clearing approximately 0.21 acre;
- Access to structure 137033 (EAP map page 26) – clearing approximately 0.35 acre;
- Access to structure 137035 (EAP map page 26) – clearing approximately 0.18 acre;

- Access to structure 137037 (EAP map page 27) – clearing approximately 0.73 acre;
- Access to structure 137040 (EAP map page 28) – clearing approximately 0.29 acre;
- Access to structure 137042 (EAP map page 29) – clearing approximately 0.46 acre;
- Access to structure 137044 (EAP map page 30) – clearing approximately 0.18 acre;
- Access to structure 137063 (EAP map page 36) – clearing approximately 0.18 acre;
- Access to structure 137064 (EAP map page 36) – clearing approximately 0.11 acre;
- Access to structure 137066 (EAP map page 36) – clearing approximately 0.09 acre;

Attempts have been made to find alternate access that does not impact wetlands or upland forest; however, at this point it is assumed these routes will be required.

Additional measures to reduce wetland and waterway impacts along Segment 7 are outlined in other sections of this CMP (e.g. *Invasive Species Management Plan* and *Wetland Restoration and Revegetation Plan*).

B. Photographs of Pre-Construction Site Conditions (Wetlands and Waterways)

Pre-construction photographs of wetlands and waterways along the Segment 7 ROW are provided in Appendix C.

C. Waterway Impacts

As discussed above, up to twelve TCSB crossings will be required along Segment 7. In addition, placement of rip-rap below the OHWM of Squaw Creek (N-R28a) will be required to widen and stabilize an existing off-ROW access path where it crosses this feature. Final plan and cross-sectional view drawings for each bridge crossing, and the placement of rip-rap in Squaw Creek, are provided in Appendix D. As required in General Condition #51 of the utility permit, the TCSBs will incorporate measures to reduce soil reaching the waterways.

The approved route along Segment 7 crosses 5 waterways identified in the WDNR 24K hydrology layer and/or in the Joint Application that do not have defined bed and banks based on 2016 field observations. These features are identified on the EAP with a label “non-regulated-WDNR confirmed (pending)”, and a recent photo is presented in Appendix E. A brief field description of each feature follows:

- Feature east of structure 136957 – fully vegetated natural drainage along steep topography with no defined bed/banks; identified in Joint Application as N-R12a but not mapped in the WDNR 24K hydrology layer.

- Feature east of structure 136959 – fully vegetated natural drainage on low draw surrounded by steep topography with no defined bed/banks; identified in Joint Application as N-R12b but not mapped in the WDNR 24K hydrology layer.

- Feature east of structure 136969 – wet meadow dominated swale through agricultural fields with no defined bed/banks; mapped waterway in WDNR 24K hydrology layer.

- Feature east of structure 137043 – occurs within wet meadow, but no defined bed/banks observed; mapped waterway in WDNR 24K hydrology layer.

- Feature west of structure 137049 - natural swale densely vegetated with upland species including burdock and goldenrod with no defined bed/banks observed; mapped waterway in WDNR 24K hydrology layer.

We are requesting WDNR concurrence that these 5 features would not be considered navigable and therefore not subject to provisions of Chapter 30 (Wis. Stats.).

During construction of concrete foundations, water is often pumped into the borehole to maintain the integrity of the excavation. Suitable surface waters adjacent to the ROW may be used as a source of this water. Several waterways along this segment may be utilized for withdrawals; however, a final determination has not been made at this time. If surface water withdrawals are required, they will meet the following conditions outlined in the Utility Structure, Bridge and Wetland General Permit (WDNR-GP3-2013):

- Pump intakes and discharges shall be placed to prevent impacts to fisheries, wildlife, and their habitat; and
- Pump intakes and discharges shall be placed to prevent the disturbance, removal and scour of bed material.

In addition, water withdrawals from public waterways must avoid placement of a structure on the bed of the waterway unless prior authorization under ch. 30.12 (Wis. Stats.) is granted from the WDNR. The WDNR will be notified if surface water withdrawals occur along Segment 7.

<u>Clearance Waiver</u>

General Condition #46 of the WDNR utility permit indicates: *All bridges across navigable waterways shall either maintain a clearance of not less than 5 feet, or comply with requirements of s. NR 320.04 (Wis. Admin. Code)*. Wisconsin Admin. Code Chapter NR 320.04(3) indicates the department may allow less than 5 feet of navigation clearance when all of the following apply:

- The waterway is known to have little or no navigation or snowmobile use;
- The waterway is not anticipated to have navigational use by other than lightweight craft;
- The owner provides a portage over or around the bridge or culvert; and
- The reduced clearance would not be detrimental to the public interest.

The Applicants would allow a portage over or around a TCSB if necessary; however, given the waterway dimensions (i.e. narrow widths and shallow depths) at all TCSB crossings except N-R25 (French Creek), these waterways likely have infrequent or no watercraft use in the project area. Although waterway N-R25 is about 20-25 feet wide in the project area, it still likely has infrequent watercraft use. The Applicants believe the other conditions specified in Wis. Admin. Code Chapter NR 320.04(3) are met at each waterway crossing and therefore, a five-foot clearance is not required at any of the twelve TCSB locations.

Fishery Waiver

General Condition #44 of the WDNR utility permit indicates that: *All bridges must be placed and removed in compliance with timing restrictions, unless authorized by the local DNR fisheries biologist. For trout streams and navigable tributaries to those trout streams, placement and removal is prohibited from September 15 through May 15, annually. On all other waterways, placement and removal of the bridges is prohibited from March 1 through June 15, annually*. As discussed above, TCSBs will be required over twelve waterways and rip-rap will be placed below the OWHM of Squaw Creek for an off-ROW access path. All of these waterways are classified as either trout streams or navigable tributaries to trout streams. The Applicants requested a waiver of the September 15 through May 15 timing restriction for all of these waterways from Mr. Dan Hatleli (Trempealeau and Jackson Counties Fisheries Manager). His response will be provided to the Office of Energy when received and will be included in Appendix F.

D. Endangered Resources Plan

ATC worked with the WDNR to develop a Certified Endangered Resources (ER) Review as part of the Joint Application. The Certified ER Review identified and summarized endangered resources known to occur along each proposed segment. Upon receiving the ordered route, the Certified ER has been amended in coordination with WDNR as construction details have been developed. The amendment table identified which state-listed species have required follow-up actions and the specific areas along Segment 7 where measures are needed to avoid and minimize direct or indirect impacts to state-listed species. Furthermore, the amendment table identified voluntary measures recommended to avoid and minimize impacts to other sensitive state-listed species or resources (e.g. natural communities). The amendment table serves as a communication and coordination tool to be used among the Applicants, WDNR, and construction contractor(s). For federally listed species, the Applicants prepared a Biological Evaluation/Assessment in coordination with the US Fish and Wildlife Service (USFWS) that outlines a determination of affects for federally listed species that may occur along Segment 7, as well as the necessary conservation measures to protect them. Where necessary, specific areas and protection measures will be documented on the EAP for state- and federally listed species known or assumed to be present along the segment.

E. Invasive Species Management Plan

Plant communities and dominant vegetation within the Segment 7 ROW were documented during field evaluations in 2013 and additional field visits in 2016. The presence (i.e. general location and density) of

Restricted and Prohibited species defined in *Wis. Admin Code* Ch. NR 40 within the ROW were identified during these assessments.

Segment 7 starts at the Tremval Substation on U.S. Highway 53 in the Town of Preston and extends cross-country following an existing transmission line corridor to County Highway A in the Town of Adams just north of the City of Black River Falls. Along the existing transmission line, this segment crosses steep and rolling topography through primarily agricultural lands, woodlands, and wetlands. This segment also crosses the meandering channel of the Trempealeau River and other smaller waterways.

The following summarizes invasive species observed along the Segment 7 project corridor. All species identified below in this section are classified as Restricted unless noted otherwise.

In general, where not under agricultural production, the ROW along Segment 7 is routinely cleared for the existing transmission line. Eurasian cool season grasses such as smooth brome (*Bromus inermis*) and Kentucky bluegrass (*Poa pratensis*), which are not included in NR 40, are common along rural roadsides and within the cleared transmission line corridor. A variety of other invasive species included in NR 40 that are also present within the cleared transmission ROW and along roadsides include wild parsnip (*Pastinaca sativa*) and Canada thistle (*Cirsium arvense*). Glossy buckthorn (*Frangula alnus*), invasive honeysuckle shrubs (*Lonicera* spp.) and autumn olive (*Elaeagnus umbellata*) were often observed within the cleared transmission line ROW where maintenance clearing had not occurred recently. Invasive/non-native species not included in NR 40 are also present within the existing transmission line corridor including reed canary grass (*Phalaris arundinacea*), Queen Anne's-lace (*Daucus carota*), butter and eggs (*Linaria vulgaris*) and sweet clovers (*Melilotus* spp).

Large areas of woodland are common along the Project ROW, generally along areas of steeper topography which are less conducive to agriculture. Woody invasive species principally consisting of glossy buckthorn and invasive honeysuckle shrubs were commonly observed at the woodland edges along the cleared transmission ROW.

Agricultural lands consist primarily of corn and soybean row crops, and pasture or hay fields. Invasive species observed along agricultural lands are similar to those observed within the cleared transmission line ROW, including species such as wild parsnip, Canada thistle, Queen Anne's-lace, smooth brome, and Kentucky bluegrass.

Wetland communities along Segment 7 include wet meadow, degraded wet meadow, sedge meadow, degraded sedge meadow, shallow marsh, floodplain forest, hardwood swamp, shrub-carr, alder thicket, and a few areas of farmed wetland. The majority of the degraded wet meadows along this segment are dominated by reed canary grass with inclusions of higher quality/more desirable species. Reed canary grass was also scattered to common within many of the other wetland communities along the Project ROW. Canada thistle was also observed in scattered locations.

<u>Location-Specific BMP's</u>

Location-specific BMP's should be applied to the following locations:

- Glossy buckthorn is common to scattered within wetlands N-W47, N-W48, N-W50a, N-W51 and N-W51a, and along the west side of wetland N-W50. Additionally, glossy buckthorn and honeysuckle shrubs are present on a slope along the west side of wetland N-W48. When these areas are cleared, these shrubs should be left in the ROW or transported to an approved location. In addition, vehicles should be brushed off before leaving the area.

In addition, glossy buckthorn, honeysuckle shrubs, and autumn olive are scattered to common within shrubby areas of the existing cleared transmission line corridor and along cleared woodland edges (individual locations beyond those mentioned above not identified on the EAP due to their abundance). When these areas area cleared, these shrubs should be left in the ROW or transported to an approved location. Additionally, where clearing is required, a layer of wood chips may be left on the ground after clearing activities which will act as a barrier between vehicles and the ground surface to reduce the spread of the herbaceous invasive species commonly seen throughout the cleared transmission line corridor.

Location-specific BMPs may be implemented elsewhere within Segment 7 if ATC encounters a localized population of an invasive species other than those discussed above during future field visits.

<u>General BMP's</u>

The following general BMPs will be utilized during construction along Segment 7 to comply with *Wis. Admin Code* Ch. NR 40. The intent of these practices is to limit the spread of invasive species.

- Construction equipment and material
    - Minimize soil disturbance and utilize gravel roads or established equipment access paths to the extent practicable.
    - To the extent practicable, avoid localized populations of invasive species through construction timing and alternate access.
    - When working in areas infested with invasive species, clean mud and plant material from construction matting and equipment.
- Managing soil and vegetative material
    - Avoid movement of invasive material to non-infested areas. If possible, invasive material should be left within the ROW. For example, when clearing areas dominated by honeysuckle or buckthorn shrubs, cut material should be left in generally the same place and not spread off-site or to uninfested areas.
    - If infested soil or vegetative material must be transported from the ROW, transport to a designated area for appropriate disposal. Prior to transporting material, manage the load to limit potential spread to uninfested areas.
    - Manage stockpiles onsite to prevent the spread to adjacent areas.
    - In areas requiring clearing, a layer of wood chips should be left on the ground (if approved by the landowner) to act as a barrier between vehicles and the ground surface.

- Restoration and landscaping

    - Seed mixes have been developed for the Project and will be installed in accordance with the Revegetation and Monitoring plan (Attachment 2).
    - Revegetate disturbed soils as soon as possible with an appropriate temporary cover crop to minimize invasive species establishment. As appropriate, a perennial seed mix shall be installed during the appropriate seeding window.

- Aquatic invasive species

    - Water may be withdrawn from waterways for foundation construction along this segment and rip-rap will be placed below the OHWM of Squaw Creek to widen and stabilize an existing culverted crossing for an off-ROW access route (EAP page 29). All equipment used for withdrawing water or to widen the culverted crossing (i.e. pumps, hoses, boats, machinery, etc.) will be adequately decontaminated/disinfected for aquatic invasives. Decontamination / disinfection can be accomplished by allowing equipment to dry thoroughly for at least 5 days or by utilizing another appropriate method identified in NR 329.04, prior to being used in non-infested waters of the state

F. Wetland Compensatory Mitigation Plan

As compensation for impacts to wetlands associated with the Project, the applicants propose wetland compensatory mitigation. Temporary and permanent impacts to wetlands occur within Segment 7, which is located within the Upper Mississippi – Black – Root (UMBR) Bank Service Area (BSA). The total wetland impacts and proposed compensatory mitigation acres for Segment 7 are identified in the Mitigation Summary Table (Appendix G).

<u>Temporary Impacts</u>

The only temporary wetland impact associated with Segment 7 is matting of sedge meadow, which is identified as a difficult to replace (DTR) wetland community. Temporary matting will impact 0.42 acre of sedge meadow within the ROW.

<u>Permanent Impacts</u>

Permanent impacts due to structure placement in wetlands have been reduced to a total of 0.03 acre. The following community types are impacted by structure placement, and acreages of impact by community type are provided in Appendix G: seasonally flooded basin (farmed wetland), sedge meadow, and wet meadow.

Permanent conversion of shrub and forested wetland within the project corridor of Segment 7 totals approximately 0.68 acre. Specifically, permanent conversion within the UMBR BSA consists of 0.21 acre of shrub-carr, 0.32 acre of alder thicket, and 0.15 acre of hardwood swamp.

Mitigation Credits

The applicants are coordinating with the WDNR Mitigation Coordinator and the US Army Corps of Engineers (USACE) to determine the most appropriate option for wetland mitigation; a combination of Wisconsin Wetland Conservation Trust (in-lieu fee program) and wetland banking credits are anticipated to be used for Segment 7. Mitigation credits are based on mitigation ratios agreed upon by the WDNR and the USACE and are as follows: 1.45:1 for permanent impacts related to structure placement; 0.5:1 for permanent conversion of shrub-carr, alder thicket, and hardwood swamp; and 0.25:1 for temporary matting of sedge meadow. At these ratios, a total of 0.49 credits are required to compensate for the unavoidable wetland impacts to Segment 7 within the UMBR BSA.

G. Wetland Restoration and Revegetation Plan

A general summary of wetland community characteristics within the ROW of Segment 7 is presented in Appendix B. This characterization is based on field observations from 2013 and 2016. In summary, wetland communities present within this segment include wet meadow, sedge meadow, shallow marsh, floodplain forest, hardwood swamp, shrub-carr, alder thicket, and farmed wetland. Many wetland communities are degraded to a certain degree with typically one or more invasive species present. Construction within wetlands shall comply with the segment-specific Erosion Control Plan (ECP). Revegetation of wetlands is presented in the project-specific Revegetation and Monitoring Plan (Attachment 2). A summary of wetland restoration and revegetation guidelines for Segment 7 is provided below.

Restoration / Revegetation

- Restoration within wetland areas will include removal of all construction-related materials (e.g. timber matting) and the restoration of significant ruts and depressions.
- The ROW will be restored to pre-existing topography as much as practicable.
- Areas with significant rutting in wetlands will be repaired using hand tools, back dragging, or other appropriate means to restore topography while minimizing additional disturbance.
- Wetland areas where disturbance is minimal, as anticipated along matted access routes, will generally be allowed to revegetate naturally. These locations will be monitored to determine if supplemental seeding is necessary.
- A temporary cover crop may be installed over disturbed soils following ground disturbance. A project-specific permanent native wetland seed mix may be installed within disturbed wetland areas that have a native component but are not high-quality wetlands (see Revegetation and Monitoring Plan for seed mixes and installation specifications, Attachment 2).
- Farmed wetlands will not be re-seeded due to their current land use.

Other /Miscellaneous

- Fertilizers will not be used within 100 feet of wetlands, streams and rivers.
- Cover such as erosion blankets or other weed-free devices may be applied after seeding and final restoration has occurred in wetland areas disturbed by the construction activities. All erosion control measures utilized will conform to WDNR Technical Standards.

- Installed soil erosion and sedimentation control measures will be maintained until the disturbed areas are permanently stabilized.

H. Wooded Riparian and Wetland Management Plan

Approximately 0.15 acre of hardwood swamp will be permanently impacted by construction along Segment 7. These wooded wetlands are typically adjacent to narrow waterways. In addition, some clearing along narrow upland wooded riparian corridors will also be required; however, clearing along this segment is reduced as the majority of the segment occurs along an existing transmission line corridor.

In general, the entire ROW width will be cleared for safe construction equipment access in wooded areas. In riparian areas, efforts will be made to retain low-growing vegetation on/near stream banks for erosion control, where it currently exists. In areas where a TCSB will be installed, the amount of clearing will be kept to a minimum, which will reduce the impacts to riparian corridors.

Trees cut in wetland areas will generally be removed from the wetland and windrowed or chipped in upland areas. Some of the woody vegetation that is cleared may remain in the wetland areas, especially adjacent to the Trempealeau River where the meandering channel within the ROW limits equipment access for timber removal. This includes lop and scatter of tree limbs and possibly a few larger-diameter logs cut into smaller pieces, and thin scatter of wood chips and vegetation fragments resulting from mowing the shrub and sapling layer. Wood left in the wetland will be scattered in a manner that does not impede vegetation growth, water flow, or alter the bottom elevation of the wetland.

Areas disturbed by construction will be restored as described in the *Wetland Restoration and Re-Vegetation Plan* section.

I. Final Sequencing and Scheduling Plan

Clearing along Segment 7 is anticipated to begin in August 2017. The following summarizes the anticipated timing of construction along Segment 7:

- ROW Clearing – Aug. 2017 – Dec. 2017
- Structure Foundations – Oct. 2017 – Jan. 2018
- Install Structures – Oct. 2017 – May 2018
- Install Conductor – Nov. 2017 – May 2018

ROW cleanup and restoration is scheduled to occur in the spring/summer following completion of construction, although actual dates for restoration will be weather dependent. Permanent restoration within any given area will be properly implemented within 30 days of final construction; however, if restoration is delayed due to weather or soil conditions, the area will be protected until permanent restoration can be completed.

J. Post-Construction Monitoring Plan

Wetland and waterway monitoring will be required for this project. Weekly monitoring will occur during and after construction until disturbed areas are stabilized and annual post-construction monitoring will be conducted as discussed below.

In accordance with Condition #38 of the WDNR utility permit, ATC will conduct frequent monitoring (e.g., weekly and after a significant rainfall event) of erosion and sediment controls during and after construction, which may include areas within and adjacent to wetlands and waterways. This monitoring will occur until the areas are stabilized as defined in Condition #38 of the utility permit.

ATC will also conduct annual post-construction monitoring of the portions of wetlands and waterways impacted by construction, as outlined in Condition #70 of the utility permit. This monitoring shall continue for a minimum of 5 years after construction unless compliance is achieved and documented earlier. Refer to the Revegetation and Monitoring Plan (Attachment 2) for more detail regarding wetland and waterway monitoring, and the associated reporting.

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

Appendix A

Environmental Access Plan

Environmental Access Plan – Segment 7

Graphic Index for Badger Coulee Project

SEGMENT HIGHLIGHTS

- 12 Temporary Clear Span Bridges will be required over waterways
- Rip-rap will be installed below the OHWM of N-R28a to widen and stabilize an existing off-ROW access path
- A total of 14 poles will be constructed in the following wetlands (parenthetic value refers to number of structures within the feature):
  - N-W24(1), N-W26a(2), N-W28c(1), N-W33a(1), N-W36(1), N-W37(1), N-W41(2), N-W42(2), N-W44(1) and N-W45(2)
- A total of 16 temporary poles will be placed in the following wetlands (1-2 poles in each wetland):
  - N-W25, N-W33, N-W33a, N-W36, N-W37, N-W41, N-W42, N-W46 and N-W47
- Invasive Species Caution: Invasive species locations are identified on pages 27, 28, 29, 34, 36 and 37, and general notes are presented on all pages. Refer to these pages for instructions on how to proceed in these areas.
- Rare Species Caution: Rare species locations are identified on pages 1, 6, 8, 9, 13, 14, 21, 22, 23, 24, 25 and 37. Refer to these pages for instructions on how to proceed in these areas.

INDEX TO FEATURES

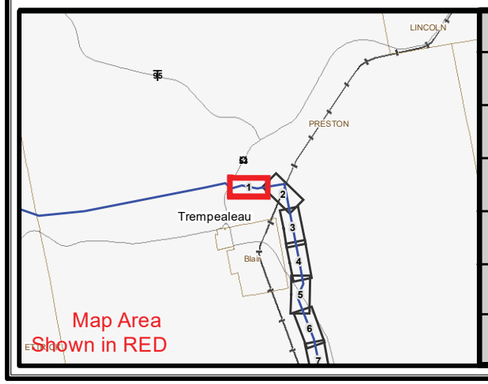
FEATURES INDEX			
Wetland Identifier	Waterway		Map Page
	Identifier	Bridge	
N-W24			1
	N-R11d, 12		1
N-W24a, 24b			1
N-W24c			3
N-W24d			3,4
N-W25			5
N-W26, 26a			6
	N-R12c, 12d,13, 14, 15		6
	N-R14a	X	6
	N-R14b	X	6
N-W27			7
N-W28			7, 8
N-W28a, 28b, 28c			8
	N-R15a	X	8
	N-R16, 16a,16b, 17, 18		8
	N-R16c	X	8
N-W28d			9
	N-R19		9
N-W31, 32			10
	N-R20b, 20		10
	N-R20a	X	10
N-W32a			10, 11
N-W33, 33a, 33b			11, 12
	N-R21	X	11, 12
N-W34			12
N-W35, 36			13
	N-R22, 22a, 22b	3X	13
N-W37			13, 14
	N-R23	X	13, 14
N-W38			14
N-W39			15, 16
N-W40, 40a			16
N-W41			16, 17
	N-R24		17
N-W42			17, 18
	N-R25	X	17
	N-R26, 27, 27a		17
N-W42a, 43			18
N-W44			18, 19
N-W45			19, 20
	N-R27b	X	19
N-W46, 47			27, 28
	N-R27c		27, 28
	N-R27d		28
N-W48			29
	N-R28		29
	N-R28a	Rip-rap	29
N-W49			32
	N-R29		32
N-W50			34
	N-R30		34
N-W50a			36
N-W51, 51a			37
	N-R31		37

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

Parcels CDL-BRG70800 and 70810 are organic farms. Minimize access and avoid refueling on these parcels

W3203-307A
W3203-Tremval
TREMVAL SUBSTATION
CDL-BRG80020 - Northern States Power Company
CDL-BRG70830 - Jerome & Cynthia Hanson
CDL-BRG70820 - The Nelson Residence
CDL-BRG80010 - Jerome & Cynthia Hanson
CDL-BRG70810 - Ardon Hardie
136949
W3204-2
N-W24
136950
W3204-3
N-W24a
N-W24b
N-R11d
N-R12
Town of Preston
136951
W3204-4
W3204-5
136952
TREMPEALEAU COUNTY
53



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

CDL-BRG70800 - James & Lou Ellen Frei

CDL-BRG70800 - James & Lou Ellen Frei

136954

852

T21N, R7W, S8
T21N, R7W, S9

W3204-7

CDL-BRG70820 - The Nelson Residence

CDL-BRG70780 - Preferred Sands Of Wisconsin LLC

TREMPEALEAU COUNTY

T21N, R7W, S8
T21N, R7W, S17

CDL-BRG70760 - Preferred Sands Of Wisconsin LLC

CDL-BRG70800 - James & Lou Ellen Frei

W3204-8

136955

136953

Town of Preston

T21N, R7W, S9
T21N, R7W, S16

W3204-6

CDL-BRG70780 - Preferred Sands Of Wisconsin LLC

W3204-9

Parcels CDL-BRG70800 and 70810 are organic farms. Minimize access and avoid refueling on these parcels

CDL-BRG70810 - Arden Hardie

CDL-BRG70820 - The Nelson Residence

CDL-BRG70780 -

W3204-10

CDL-BRG70770 - Michael & Kristy Benedict

Larkin Valley Rd

136956

136952

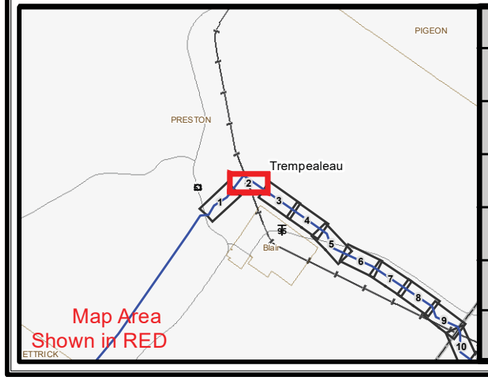
W3204-5

CDL-BRG70760 - Preferred Sands Of Wisconsin LLC

CDL-BRG70810 - Arden Hardie

T21N, R7W, S17
T21N, R7W, S16

Schansberg Rd



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- 200 Topographic Line (Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

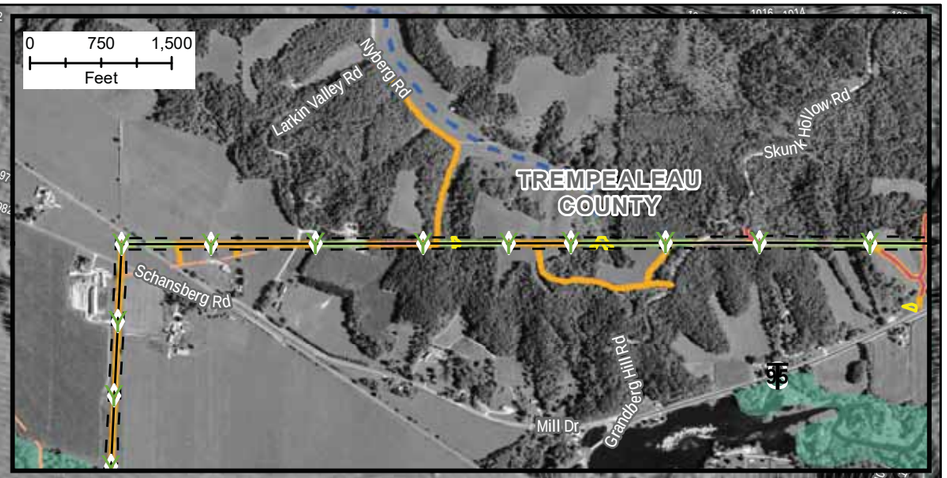
Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.



CDL-BRG70770 - Michael & Kristy Benedict

CDL-BRG70740 - Jack & Delores Stendahl

CDL-BRG70760 - Preferred Sands Of Wisconsin LLC

T21N, R7W, S9
T21N, R7W, S16

Town of Preston

N-W24c

136957

W3204-11

W3204-12

136958

W3204-13

136959

W3204-14

N-W24d

NON-REGULATED - DNR CONFIRMED (PENDING)

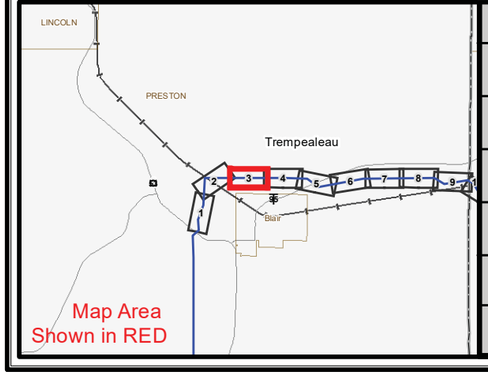
CDL-BRG70760 - Preferred Sands Of Wisconsin LLC

CDL-BRG70760 - Preferred Sands Of Wisconsin LLC

NON-REGULATED - DNR CONFIRMED (PENDING)

CDL-BRG70750 - Ladsten Family Trust

CDL-BRG70720 - Owen Berg



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

CDL-BRG70740 - Jack & Delores Stendahl

CDL-BRG70710 - Scott & Joye Hanson

CDL-BRG70700 - Dale Otterson

CDL-BRG70680 - Brunkow Hardwood Corp

CDL-BRG70670 - Sonja Nezworski

CDL-BRG70720 - Owen Berg

CDL-BRG70690 - Kenneth & Linda Nereng

Skunk Hollow Rd

Town of Preston

TREMPEALEAU COUNTY

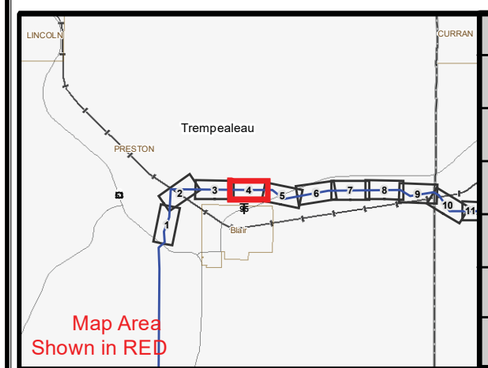
T21N, R7W, S9
T21N, R7W, S16
T21N, R7W, S10
T21N, R7W, S15

136960 W3204-15

136961 W3204-16

136962 W3204-17

N-W24d



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way*
  *Right-of-Way shown on this map is approximate and is shown for guidance only
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Up to 2 temporary poles in wetland for crossing

T21N, R7W, S10
T21N, R7W, S15

TREMPEALEAU COUNTY

Town of Preston

136962
136963
136964
136965

W3204-17
W3204-18
W3204-19
W3204-20
W3204-21

N-W25

CDL-BRG70670 - Sonja Nezworski

CDL-BRG70630 - Vernon & Eileen Back

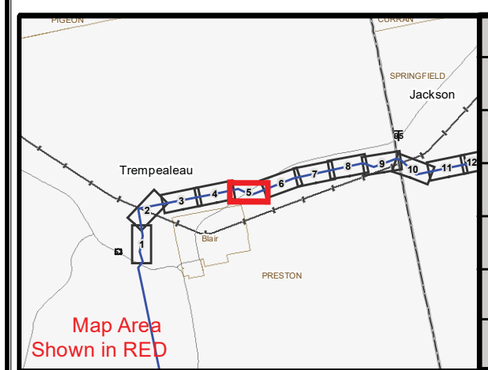
CDL-BRG70640 - Desirea Marthaler

CDL-BRG70650 - Kevin Kowahl

CDL-BRG70310 - Travis & Stacy Armitage

CDL-BRG70660 - Ladsten Family Trust

CDL-BRG70690 - Kenneth & Linda Nereng



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

T21N, R7W, S10
T21N, R7W, S11

T21N, R7W, S10
T21N, R7W, S15

T21N, R7W, S11
T21N, R7W, S14

T21N, R7W, S15
T21N, R7W, S14

Town of Preston

TREMPEALEAU COUNTY

CDL-BRG70610 - Travis & Stacy Armitage

CDL-BRG70610 - Travis & Stacy Armitage

CDL-BRG70610 - Travis & Stacy Armitage

CDL-BRG70610 - Travis & Stacy Armitage

CDL-BRG70620 - Keith & Paul Nestingen

W3204-22

W3204-23

W3204-25

136966

136967

136968

N-W26

N-W26a

N-R14b

N-R14a

N-R13

N-R12b

N-R12a

N-R14

N-R15

PROTECTED SPECIES:
Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

Trump Coulee Creek

Map Area Shown in RED

CURRAN
PRESTON
Trempealeau
Jackson
Blair
SPRINGFIELD

Proposed Centerline	Transmission Right-of-Way* *Right-of-Way shown on this map is approximate and is shown for guidance only	Possible Wetland (WDNR Wetland)	City/Village/Town Boundary
Proposed Pole CONCRETE FOUNDATION / Proposed Pole ALT. FOUNDATION	TCSB Temporary Clear Span Bridge	Delineated Wetland	Conservation Easment
Vehicle Construction Access / Potential Vehicle Construction Access	STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY	Field Located Waterway	Snowmobile Trails
Clearing Access Only	Approximate wire set up area (Dimensions: Approximately 200' X 400')	WDNR Perennial Stream / WDNR Intermittent Stream	Approximate Gas Pipline
Graded Construction Access and Structure Pads	200 Topographic Line — Elevation	DATCP Identified Soils - Difficult to Decompact	
Existing Pole to be Removed / Existing Pole / Existing Substation	Protected or Sensitive Resource - Construction Technique Protocol Needed	Property Line (Shown with: Parcel Number and Owner Name)	
Existing ATC Transmission Line / Existing Non-ATC Transmission Line	Invasive Species - Construction Technique Protocol Needed		

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

CDL-BRG70610 - Travis & Stacy Armitage

CDL-BRG70590 - Keith & Paul Nestingen

NON-REGULATED - DNR CONFIRMED (PENDING)

Town of Preston

CDL-BRG70590 - Keith & Paul Nestingen

N-W27

W3204-26 136969

W3204-27 136970

W3204-28 136971

N-W28

136972

T21N, R7W, S11
T21N, R7W, S14

TREMPEALEAU COUNTY

CDL-BRG70620 - Keith & Paul Nestingen

CDL-BRG70600 - David & Katherine Quame

850 852 854 856

0 1,000 2,000 Feet

Turri Coulee Ln

TREMPEALEAU COUNTY

S River Rd

CURRAN
Taylor
SPRINGFIELD
Trempealeau
Blair
Jackson
PRESTON
1 2 3 4 5 6 7 8 9 10 11 12 13 14

Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

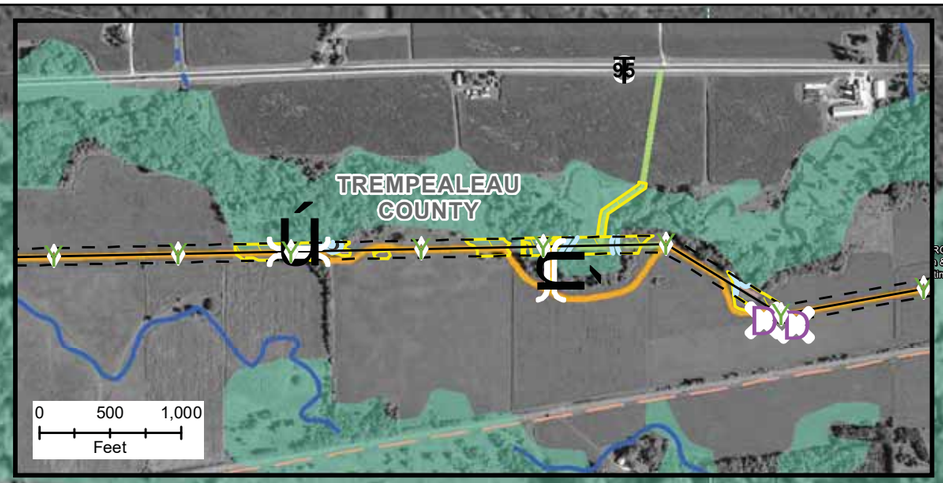
Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.



CDL-BRG70590 - Keith & Paul Nestingen

T21N, R7W, S11
T21N, R7W, S12

Town of Preston

N-W28
136972
N-W28a
N-R15a
N-R16
T21N, R7W, S11
T21N, R7W, S14
N-W28b
W3204-30
136973
N-R16a
N-R16b
W3204-31
136974
N-R17
N-W28c
N-R18
T21N, R7W, S12
T21N, R7W, S13
W3204-32
136975
N-R16c

TREMPEALEAU COUNTY

852

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

PROTECTED SPECIES: No activities or access from January 15 to July 30 unless authorization is provided by environmental

CDL-BRG70580 - Taylor Real Estate Investments LLC

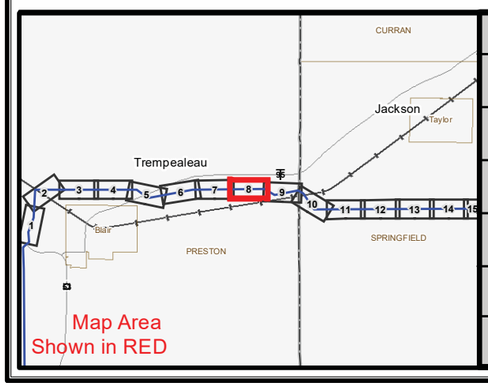
CDL-BRG70580 - Taylor Real Estate Investments LLC

CDL-BRG70580 - Taylor Real Estate Investments LLC

CDL-BRG70580 - David & Katherine Quame

T21N, R7W, S14
T21N, R7W, S13

854
856
856
856



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy

ATC American Transmission Company

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

PROTECTED SPECIES: No activities or access from January 15 to July 30 unless authorization is provided by environmental

CDL-BRG70590 - Keith & Paul Nestingen

CDL-BRG70580 - Taylor Real Estate Investments LLC

CDL-BRG70570 - Fox Valley & Western Ltd

CDL-BRG70560 - Byron Boe

CDL-BRG70550 - David & Katherine Quarne

TREMPEALEAU COUNTY

JACKSON COUNTY

Town of Preston

Town of Springfield

W3204-32

136975

136976

136977

136978

N-R19

N-W28d

W3204-Reroute Str

T21N, R7W, S12

T21N, R7W, S13

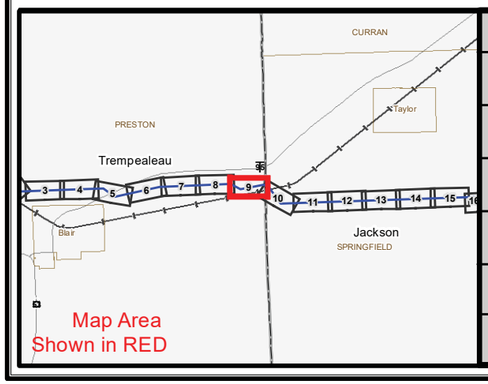
T21N, R6W, S7

T21N, R6W, S18

S River Rd

River Rd

Blair Rd



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

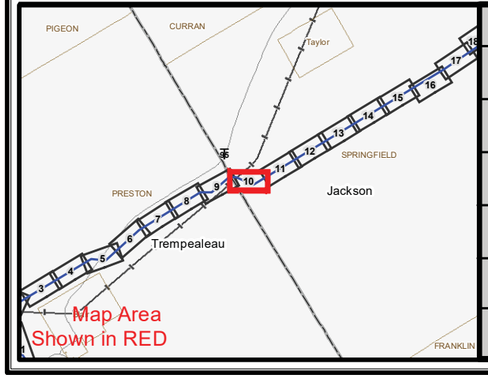
Xcel Energy

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

1266B

T21N, R6W, S18
T21N, R6W, S17
Hamilton Rd

JACKSON COUNTY

Town of Springfield

Up to 2 temporary poles in wetland for crossing

Up to 1 temporary pole in wetland for crossing

136983
136984
136985
136986

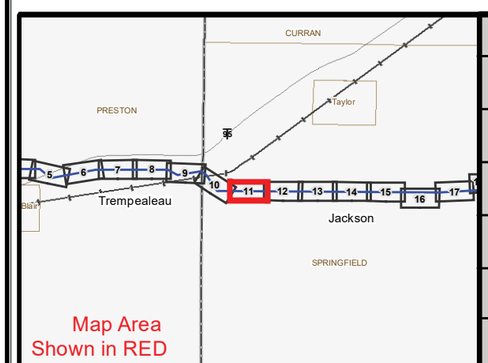
W3204-39
W3204-40
W3204-41
W3204-42

N-W32a
N-W33
N-W33a
N-W33b
N-R24

CDL-BRG70520 - Donald & Marlene Engel

CDL-BRG70530 - WI DNR

CDL-BRG70540 - David & Amy Reich



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Up to 2 temporary poles in wetland for crossing

Up to 1 temporary pole in wetland for crossing

Hamilton Rd

T21N, R

T21N, R

N-W33

N-W34

N-W33b

N-W33a

N-R21

136986

W3204-42

136987

W3204-43

136988

W3204-44

136989

W3204-45

1266B

JACKSON COUNTY

Town of Springfield

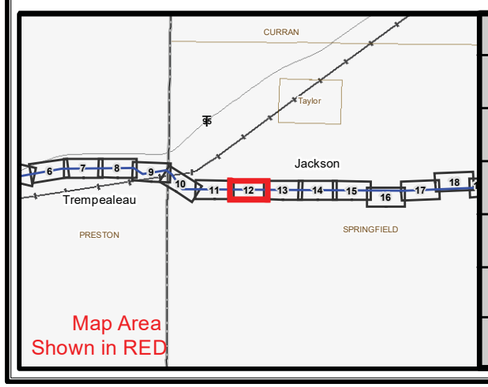
CDL-BRG70510 - Joseph & Barbara Schwartz

CDL-BRG70520 - Donald & Marlene Engel

CDL-BRG70530 - WI DNR

CDL-BRG70500 - Daryl & Kathy Boe

CDL-BRG70490 - Shawn & Ann Tschanz



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Necedah Wildlife Conservation Easement

Town of Springfield

JACKSON COUNTY

T21N, R6W, S17

T21N, R6W, S16

Up to 2 temporary poles in wetland for crossing

Up to 2 temporary poles in wetland for crossing

1266B

136990

W3204-46

N-R22

N-W35

136991

W3204-47

136992

N-R22a

N-W36

N-R22b

N-R23

W3204-49

136993

N-W37

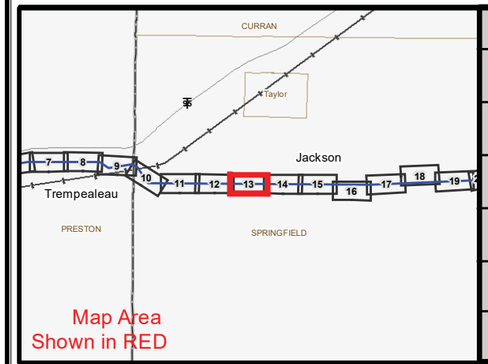
Skuttey Creek

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

CDL-BRG70490 - Shawn & Ann Tschanz

CDL-BRG70490 - Shawn & Ann Tschanz

CDL-BRG70490 - Daryl & Kathy Boe



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

JACKSON COUNTY

Town of Springfield

W3204-49 136993 N-W37 W3204-50 136994 N-W38 136995 W3204-51 W3204-52 136996

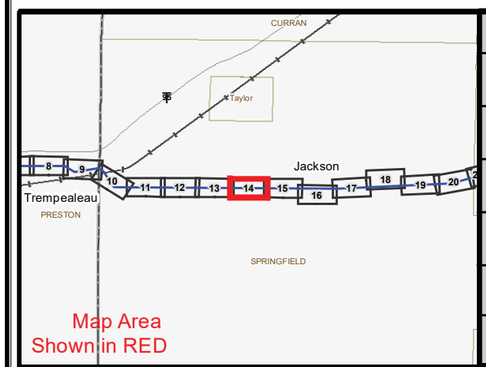
N-R23 Sturley Creek

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

CDL-BRG70480 - Daryl & Kathy Boe

CDL-BRG70470 - Richard & Clara Huseboe

CDL-BRG70460 - Emanuel & Saloma Shetler



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

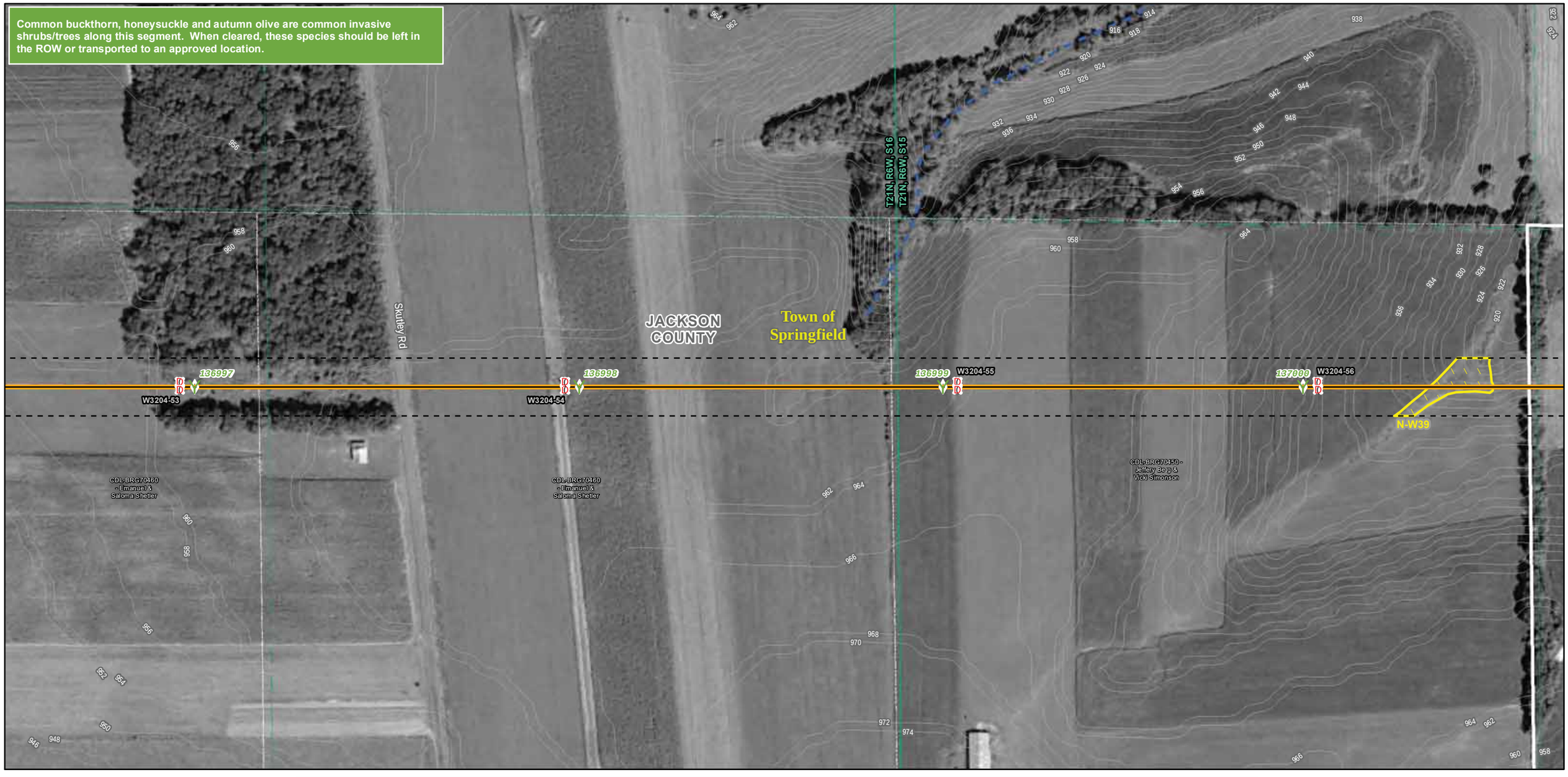
Xcel Energy®

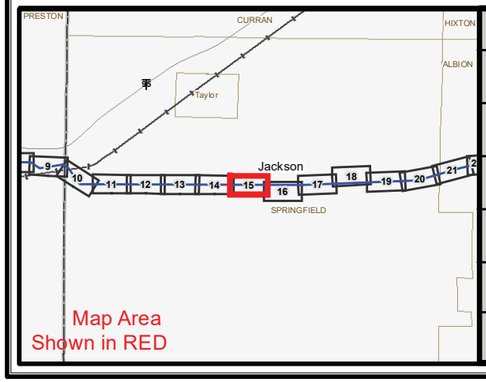
ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.





- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

137001 W3204-57 | 137002 W3204-58 | 137003 W3204-59

N-W39 | N-W40 | N-W40a | N-W41

French Creek

CDL-BRG70430 - Jeffery Berg & Vicki Simonson

CDL-BRG70440 - Robert & Mary Strande

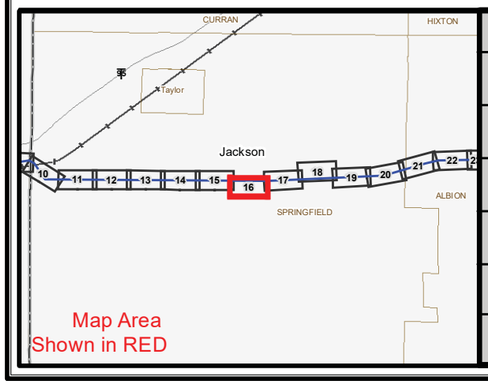
Parcel CDL-BRG70440 is an organic farm. Minimize access and avoid refueling on this parcel

Town of Springfield

JACKSON COUNTY

Parcel CDL-BRG70440 is an organic farm. Minimize access and avoid refueling on this parcel

Wilson Rd



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy® | ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Up to 2 temporary poles in wetland for crossing

Up to 2 temporary poles in wetland for crossing

Parcel CDL-BRG70385 is an organic farm. Minimize access and avoid refueling on this parcel

CDL-BRG70385 - Edith Kling

Town of Springfield

T24N, R6W, S15
T24N, R6W, S14

137004
N-R24
W3204-60
N-W41
W3204-61
137005
W3204-62
137006
N-W42
N-R25
N-R27
N-R26
N-R27a
W3204-63
137007

Use existing culverted crossing

French Creek Rd

JACKSON COUNTY

CDL-BRG70449 - Robert & Mary Strande

Parcel CDL-BRG70440 is an organic farm. Minimize access and avoid refueling on this parcel

Parcel CDL-BRG70385 is an organic farm. Minimize access and avoid refueling on this parcel

CDL-BRG70385 - Edith Kling

Blair Rd

French Creek

French Creek Rd

0 750 1,500 Feet

Map Area Shown in RED

CURRAN
HIXTON
Taylor
Jackson
ALBION
SPRINGFIELD
11 12 13 14 15 16 17 18 19 20 21 22 23

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- 200 Topographic Line — Elevation
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Property Line (Shown with: Parcel Number and Owner Name)
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

T21N, R6W, S11
T21N, R6W, S14

Parcel CDL-BRG70385 is an organic farm. Minimize access and avoid refueling on this parcel

CDL-BRG70385 - Edith Kling

CDL-BRG70430 - Werner & Dianna Haas

Town of Springfield

JACKSON COUNTY

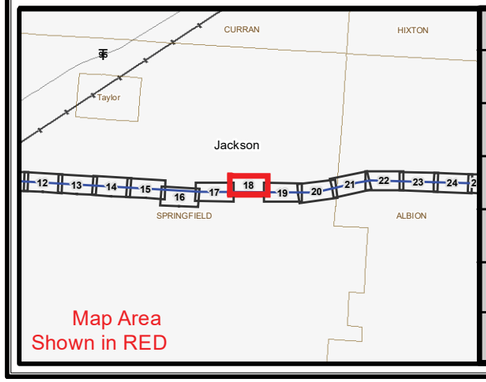
CDL-BRG70420 - Michael & Paul Hammond

137008 W3204-64 N-W42

137009 W3204-65 N-W42a

137010 W3204-66 N-W43

137011 W3204-67 N-W44



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 – Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

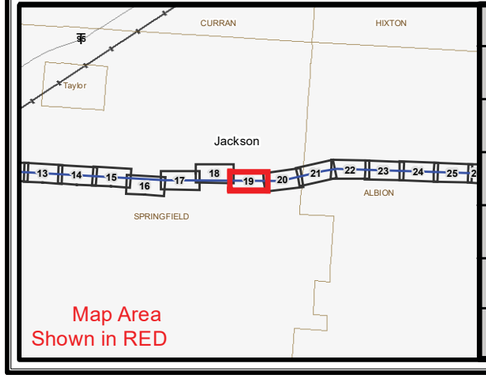
Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Parcel CDL-BRG70380 is an organic farm. Minimize access and avoid refueling on this parcel

CDL-BRG70410 - Ronald & Gary Gilbertson

CDL-BRG70400 - Thomas Schultz & Marjorie Martinez

CDL-BRG70380 - Edith Kling

CDL-BRG70390 - John & Rita Shramek

Town of Springfield

JACKSON COUNTY

N-W45

W3204-71 137015

W3204-72 137016

W3204-73 137017

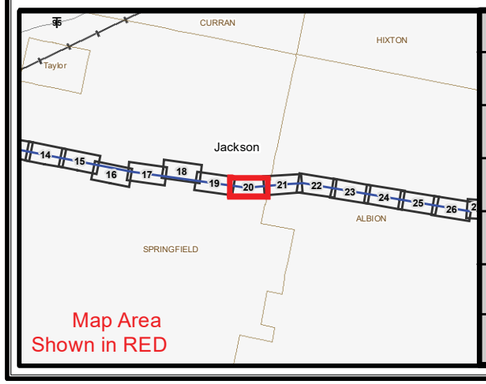
W3204-74 137018

Cistern

T24N, R6W, S13

T24N, R5W, S18

Miller Rd



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Town of Springfield

Miller Rd

T21N, R5W, S7
T21N, R5W, S18

JACKSON COUNTY

Town of Albion

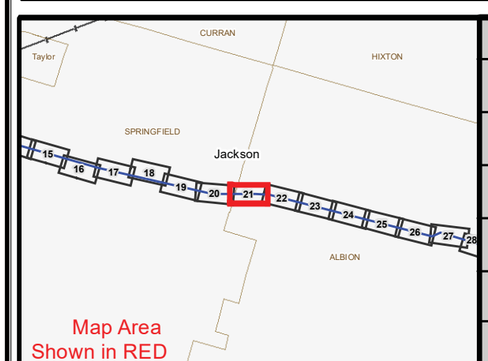
T21N, R6W, S13
T21N, R5W, S18

PROTECTED SPECIES: No activities or access from May 1 to August 15 unless species survey is completed and authorization is provided by environmental

CDL-BRG70370 - Ginger Masciola

CDL-BRG70360 - Northern Family Farms LLP

137018 W3204-75 137019 W3204-76 W3204-77 137020 W3204-78



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

CDL-BRG70370 - Ginger Masciola

CDL-BRG70370 - Ginger Masciola

CDL-BRG70360 - Northern Family Farms LLP

CDL-BRG70350 - Steven Foelker and Douglas & Pat Rentshler

CDL-BRG70349 - David Koehler

JACKSON COUNTY

Town of Albion

137021

137022

137023

W3204-79

W3204-80

W3204-81

W3204-82

T21N, R5W, S7
T21N, R5W, S18

T21N, R5W, S8
T21N, R5W, S17

T21N, R5W, S7
T21N, R5W, S8

T21N, R5W, S18
T21N, R5W, S17

PROTECTED SPECIES: No activities or access from May 1 to August 15 unless species survey is completed and authorization is provided by environmental

0 1,000 2,000
Feet

Town Line Rd

Miller Rd

JACKSON COUNTY

Map Area Shown in RED

CURRAN
HIXTON
Jackson
ALBION
SPRINGFIELD

Proposed Centerline
Proposed Pole CONCRETE FOUNDATION
Proposed Pole ALT. FOUNDATION
Vehicle Construction Access
Potential Vehicle Construction Access
Clearing Access Only
Graded Construction Access and Structure Pads
Existing Pole to be Removed
Existing Pole
Existing Substation
Existing ATC Transmission Line
Existing Non-ATC Transmission Line

Transmission Right-of-Way*
*Right-of-Way shown on this map is approximate and is shown for guidance only
TCSB Temporary Clear Span Bridge
STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
Approximate wire set up area (Dimensions: Approximately 200' X 400')
Topographic Line
Elevation
Protected or Sensitive Resource - Construction Technique Protocol Needed
Invasive Species - Construction Technique Protocol Needed

Possible Wetland (WDNR Wetland)
Delineated Wetland
Field Located Waterway
WDNR Perennial Stream
WDNR Intermittent Stream
DATCP Identified Soils - Difficult to Decompact
Property Line
Shown with: Parcel Number and Owner Name

City/Village/Town Boundary
Conservation Easment
Snowmobile Trails
Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

T21N, R5W, S7
T21N, R5W, S8

CDL-BRG70350 - Steven Foelker and Douglas & Pat Rentshler

CDL-BRG70340 - David Koehler

Town of Albion

JACKSON COUNTY

CDL-BRG70340 - David Koehler

CDL-BRG70330 - John & Carol Nortman

137024 W3204-83 W3204-84

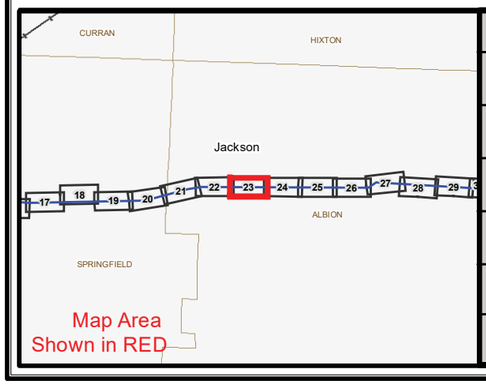
137025 W3204-85

137026 W3204-86

T21N, R5W, S8
T21N, R5W, S17

T21N, R5W, S18
T21N, R5W, S17

PROTECTED SPECIES: No activities or access from May 1 to August 15 unless species survey is completed and authorization is provided by environmental



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

PROTECTED SPECIES: No activities or access from May 1 to August 15 unless species survey is completed and authorization is provided by environmental

Town of Albion

JACKSON COUNTY

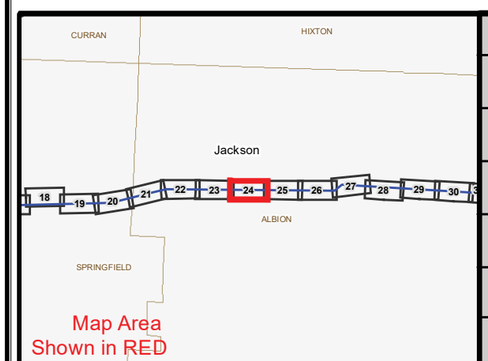
Rose Hill Rd

CDL-BRG70330 - John & Carol Nortman

CDL-BRG70320 - William Brandt

W3204-86 137027 W3204-87 137028 W3204-88 137029 W3204-89

T21N, R5W, S8
T21N, R5W, S17
T21N, R5W, S9
T21N, R5W, S16



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

PROTECTED SPECIES: No activities or access from May 1 to August 15 unless species survey is completed and authorization is provided by environmental

CDL-BRG70320 - William Brandt

CDL-BRG70310 - Edmondson Trust #1

W3204-89

137030

W3204-91

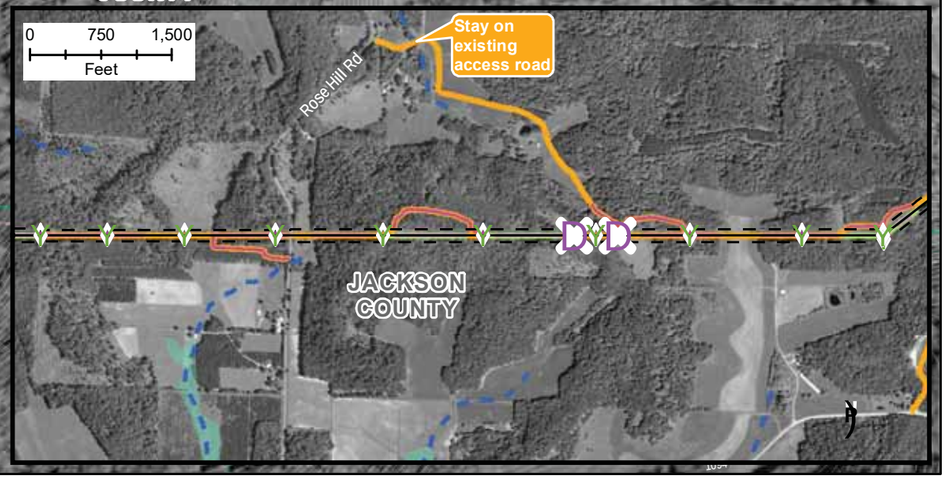
137031

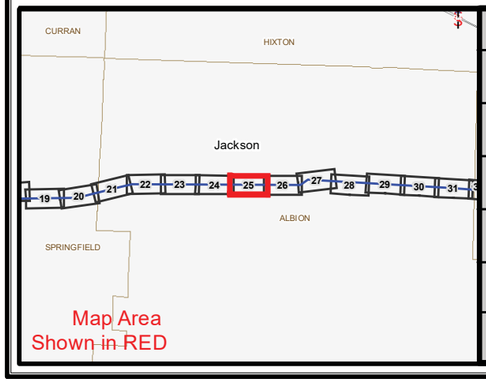
137032

W3204-92

Town of Albion

JACKSON COUNTY





Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy

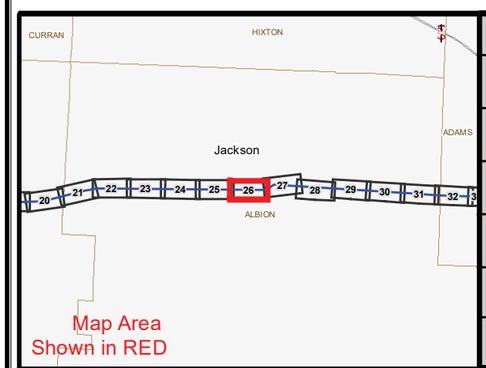
ATC American Transmission Company

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

137032
W3204-93
137033
W3204-94
137034
W3204-95
W3204-96
137035
CDL-BRG70310 - Edmondson Trust #1
CDL-BRG70300 - Reichhoff 2007 Joint Revocable Living Trust
CDL-BRG70300 - Reichhoff 2007 Joint Revocable Living Trust
Town of Albion
JACKSON COUNTY
T21N, R5W, S9
T21N, R5W, S16
T21N, R5W, S10
T21N, R5W, S15
T21N, R5W, S9
T21N, R5W, S16
T21N, R5W, S10
T21N, R5W, S15



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

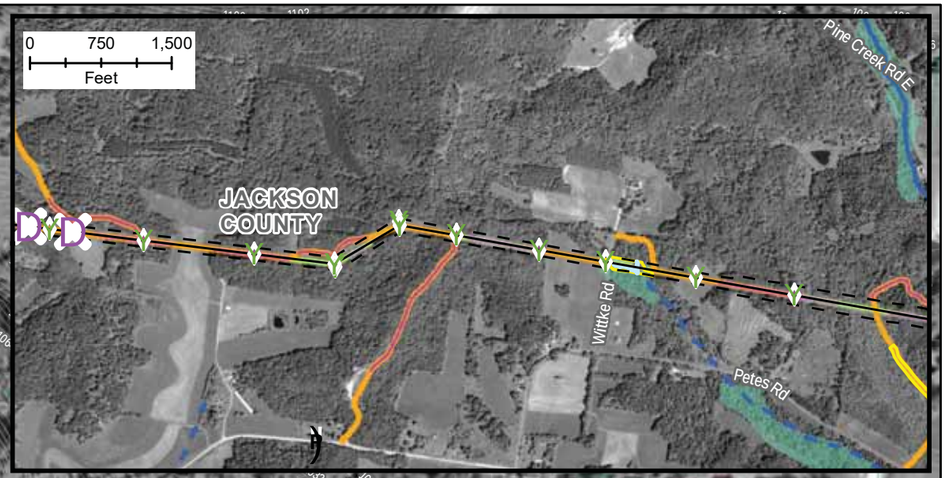
Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

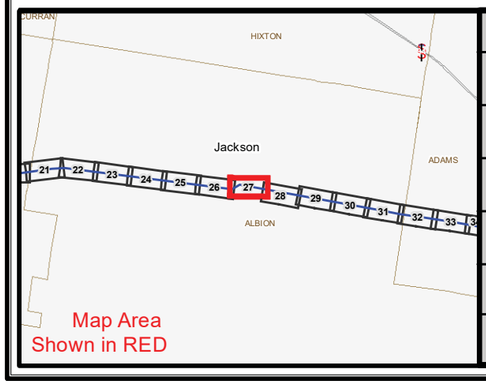
0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.



137036
W3204-97
137037
W3204-98
W3204-98-1
137038
W3204-99
137039
W3204-96
137035
JACKSON COUNTY
Town of Albion
CDL-BRG70300 - Reichhoff 2007 Joint Revocable Living Trust
CDL-BRG70280 - Troy Thompson
CDL-BRG70260 - Daniel & Karen Hannan
Up to 1 temporary poles in wetland for crossing
Up to 2 temporary poles in wetland for crossing
N-W46
N-R27c
N-W47
Invasive species (Glossy buckthorn): Brush off vehicles before leaving the area
T21N, R5W, S10
T21N, R5W, S15



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Up to 1 temporary poles in wetland for crossing

Up to 2 temporary poles in wetland for crossing

N-W46

N-W47

N-R27D

N-R27C

W3204-99

137039

W3204-100

137040

137041

W3204-101

Invasive species (Glossy buckthorn): Brush off vehicles before leaving the area

Witke Rd

Town of Albion

JACKSON COUNTY

Parcel CDL-BRG70250 is an organic farm. Minimize access and avoid refueling on this parcel

CDL-BRG70240 - Larry & Sharon Nemec

CDL-BRG70250 - Mark & Marie Kay Wingard

CDL-BRG70260 - Daniel & Karen Hannan

CDL-BRG70280 - Troy Thompson

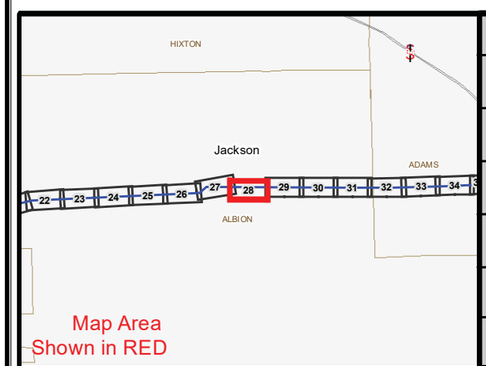
T21N, R5W, S10

T21N, R5W, S15

T21N, R5W, S11

T21N, R5W, S14

Petes Rd



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Simonson Rd

Pine Creek Rd E

NON-REGULATED - DNR CONFIRMED (PENDING)

N-R28a

Placement of fill below the OHWM required to widen and stabilize existing culverted crossing

CDL-BRG70230 - Monte & Lori Rosethi

CDL-BRG70240 - Larry & Sharon Nemec

Town of Albion

137042

W3204-102

137043

W3204-103

N-W48

N-R28

Invasive species (Glossy buckthorn, honeysuckle): Brush off vehicles before leaving the area

CDL-BRG70220 - Steven & Dena Stenulson

T21N, R5W, S11
T21N, R5W, S14

Pine Creek Rd E

Simonson Rd

JACKSON COUNTY

Petes Rd

Stenulsen Rd

0 750 1,500
Feet

HIXTON

ADAMS

Jackson

ALBION

23 24 25 26 27 28 29 30 31 32 33 34 35

Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Invasive species (Glossy buckthorn, honeysuckle): Brush off vehicles before leaving the area

Pine Creek Rd E

Stenulsen Rd

T21N, R5W, S11
T21N, R5W, S12

T21N, R5W, S11
T21N, R5W, S14

T21N, R5W, S12
T21N, R5W, S13

Town of Albion

JACKSON COUNTY

CDL-BRG70220 - Steven & Dena Stenulson

CDL-BRG70210 - Michael & Peggy Woychik

CDL-BRG70200 - Scott Heller

137044

137045

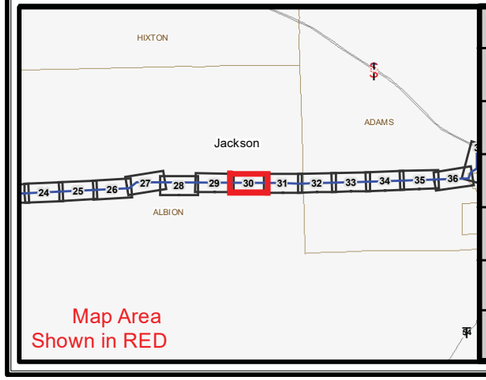
137046

W3204-104

W3204-105

W3204-106

W3204-107



Map Area Shown in RED

Proposed Centerline

Proposed Pole CONCRETE FOUNDATION

Proposed Pole ALT. FOUNDATION

Vehicle Construction Access

Potential Vehicle Construction Access

Clearing Access Only

Graded Construction Access and Structure Pads

Existing Pole to be Removed

Existing Pole

Existing Substation

Existing ATC Transmission Line

Existing Non-ATC Transmission Line

Transmission Right-of-Way*

*Right-of-Way shown on this map is approximate and is shown for guidance only

TCSB Temporary Clear Span Bridge

STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY

Approximate wire set up area (Dimensions: Approximately 200' X 400')

200 Topographic Line

Elevation

Protected or Sensitive Resource - Construction Technique Protocol Needed

Invasive Species - Construction Technique Protocol Needed

Possible Wetland (WDNR Wetland)

Delineated Wetland

Field Located Waterway

WDNR Perennial Stream

WDNR Intermittent Stream

DATCP Identified Soils - Difficult to Decompact

Property Line

Shown with: Parcel Number and Owner Name

City/Village/Town Boundary

Conservation Easment

Snowmobile Trails

Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

N

0 100 200

Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Stenulsen Rd

NON-REGULATED - DNR CONFIRMED (PENDING)

137047
W3204-108
W3204-109
137048
W3204-110
137049
137050
W3204-111

CDL-BRG70200 - Scott Heller

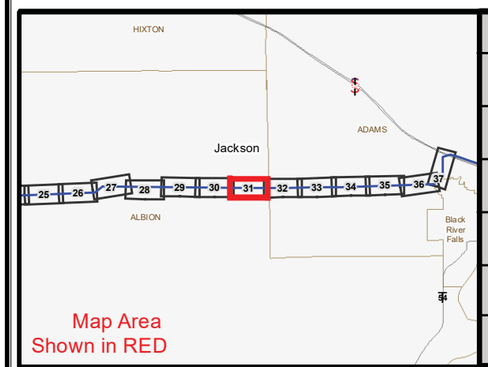
CDL-BRG70170 - Dale & Yvonne Peterson

CDL-BRG70190 - Connie & Dave Stout

Town of Albion

JACKSON COUNTY

T21N, R5W, S12
T21N, R5W, S13



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

N

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Bohac Rd

Kenyon Creek

W Kenyon Rd

CDL-BRG70180 - Scott & Stephanie Heller

CDL-BRG70170 - Dale & Yvonne Peterson

CDL-BRG70170 - Dale & Yvonne Peterson

137050 W3204-111

137051 W3204-112

W3204-113 137052

137053

N-W49

N-R29

Town of Adams

JACKSON COUNTY

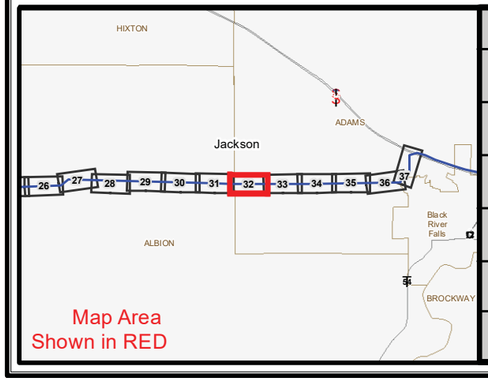
Town of Albion

T21N, R5W, S12
T21N, R4W, S7

T21N, R5W, S12
T21N, R5W, S13

T21N, R5W, S13
T21N, R4W, S18

T21N, R4W, S7
T21N, R4W, S18



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

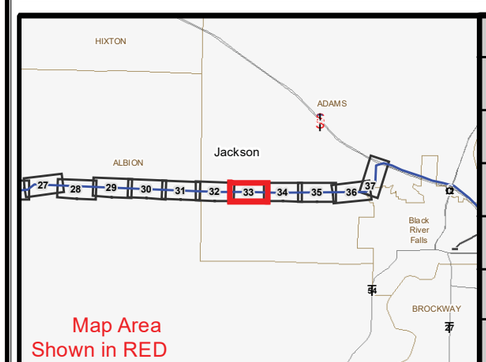
Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200
Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN
SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Invasive species (Glossy buckthorn): Brush off vehicles before leaving the area

CDL-BRG70150 - Barry Peterson

CDL-BRG70140 - Dennis & Mary Mcnulty

CDL-BRG70130 - Gary & Jacqueline Shankey

Hoffman Creek

JACKSON COUNTY

Town of Adams

T21N, R4W, S7

T21N, R4W, S8

T21N, R4W, S18

T21N, R4W, S17

Shankey Rd

E Kenyon Rd

N-R30

N-W50

W3204-118

W3204-119

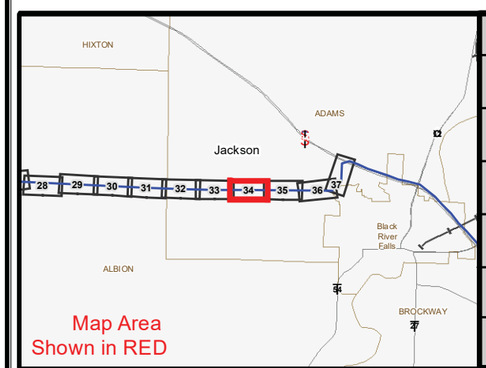
W3204-120

W3204-121

137057

137058

137059



Map Area Shown in RED

- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- 200 Topographic Line (Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Numbers and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

JACKSON COUNTY

Town of Adams

137059 W3204-122 137060 W3204-123 137061 W3204-124 137062 W3204-125

CDL-BRG70110 - Troy & Tonette Higgins

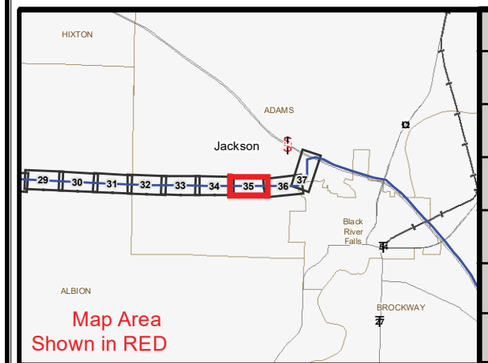
CDL-BRG70130 - Connie Jessie

CDL-BRG70120 - Adams Town

CDL-BRG70140 - Dennis & Mary Mcnulty

Forest Hills Dr

T21N, R4W, S8
T21N, R4W, S9
T21N, R4W, S17
T21N, R4W, S16



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way*
  *Right-of-Way shown on this map is approximate and is shown for guidance only
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Number and Owner Name)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

Invasive species (Glossy buckthorn): Brush off vehicles before leaving the area

N-W50a

137063

W3204-126

137064

W3204-127

137065

W3204-128

W3204-129

137066

137067

JACKSON COUNTY

Town of Adams

City of Black River Falls

Potter Rd

Forest Hills Dr

Rye Bluff Rd (1)

Town Creek

CDL-BRG70110 - Troy & Tonette Higgins

CDL-BRG70120 - Adams Town

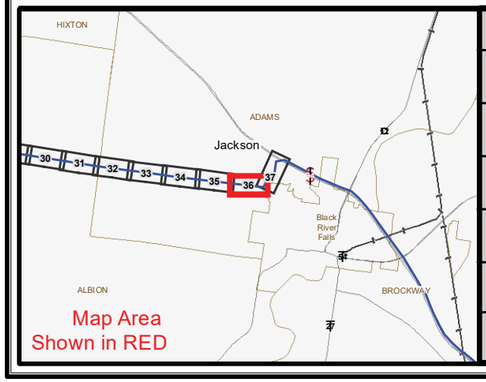
CDL-BRG70030 - John & Jill Higgins

CDL-BRG70080 - Black River Falls City

CDL-BRG70090 - Darrin & Pamela Antonelli

CDL-BRG70100 - Sara Darling

T21N, R4W, S9
T21N, R4W, S16



- Proposed Centerline
- Proposed Pole CONCRETE FOUNDATION
- Proposed Pole ALT. FOUNDATION
- Vehicle Construction Access
- Potential Vehicle Construction Access
- Clearing Access Only
- Graded Construction Access and Structure Pads
- Existing Pole to be Removed
- Existing Pole
- Existing Substation
- Existing ATC Transmission Line
- Existing Non-ATC Transmission Line
- Transmission Right-of-Way* (*Right-of-Way shown on this map is approximate and is shown for guidance only)
- TCSB Temporary Clear Span Bridge
- STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY
- Approximate wire set up area (Dimensions: Approximately 200' X 400')
- Topographic Line (200 — Elevation)
- Protected or Sensitive Resource - Construction Technique Protocol Needed
- Invasive Species - Construction Technique Protocol Needed
- Possible Wetland (WDNR Wetland)
- Delineated Wetland
- Field Located Waterway
- WDNR Perennial Stream
- WDNR Intermittent Stream
- DATCP Identified Soils - Difficult to Decompact
- Property Line (Shown with: Parcel Numbers and Owner Names)
- City/Village/Town Boundary
- Conservation Easment
- Snowmobile Trails
- Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC American Transmission Company

0 100 200 Feet

5/30/2017

Common buckthorn, honeysuckle and autumn olive are common invasive shrubs/trees along this segment. When cleared, these species should be left in the ROW or transported to an approved location.

PROTECTED SPECIES: Avoid work below the Ordinary High Water Mark and follow appropriate BMPs for water withdrawl

Invasive species (Glossy buckthorn): Brush off vehicles before leaving the area

Invasive species (Glossy buckthorn): Brush off vehicles before leaving the area

Town of Adams

JACKSON COUNTY

City of Black River Falls

Town Creek

W3204-129 W3204-130 W3204-131 W3204-132 W3204-133

137066 137067 137068 137069 137070

N-W51 N-W51a

1266B

CDL-BRG70100 - Sara Darling

CDL-BRG70090 - Darrin & Pamela Antonelli

CDL-BRG70030 - John & Jill Higgins

CDL-BRG70020 - Jay Peterson

CDL-BRG70010 - State of Wisconsin

CDL-BRG70050 - Quanco Construction LLC

CDL-BRG60555 -

CDL-BRG60680 - Dale & Donna Zahn

CDL-BRG60670 - Ronald & Gary Gilbertson

CDL-BRG70060 - McCullough's Service & Repair

CDL-BRG70070 - Marjorie Siekman

Clark Rd

Map Area Shown in RED

ALBION ADAMS Jackson ALMA BROCKWAY Black River Falls

Proposed Centerline

Proposed Pole CONCRETE FOUNDATION

Proposed Pole ALT. FOUNDATION

Vehicle Construction Access

Potential Vehicle Construction Access

Clearing Access Only

Graded Construction Access and Structure Pads

Existing Pole to be Removed

Existing Pole

Existing Substation

Existing ATC Transmission Line

Existing Non-ATC Transmission Line

Transmission Right-of-Way*

*Right-of-Way shown on this map is approximate and is shown for guidance only

TCSB Temporary Clear Span Bridge

STOP - NO VEHICLE ACCESS FOOT TRAFFIC ONLY

Approximate wire set up area (Dimensions: Approximately 200' X 400')

200 Topographic Line

Elevation

Protected or Sensitive Resource - Construction Technique Protocol Needed

Invasive Species - Construction Technique Protocol Needed

Possible Wetland (WDNR Wetland)

Delineated Wetland

Field Located Waterway

WDNR Perennial Stream

WDNR Intermittent Stream

DATCP Identified Soils - Difficult to Decompact

Property Line

Shown with: Parcel Number and Owner Name

City/Village/Town Boundary

Conservation Easment

Snowmobile Trails

Approximate Gas Pipline

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery NAIP 2010.

BADGER COULEE 345 kV TRANSMISSION LINE PROJECT

ENVIRONMENTAL ACCESS PLAN SEGMENT 7

Orthophotography: NAIP 2010

Xcel Energy®

ATC AMERICAN TRANSMISSION COMPANY

0 100 200 Feet

5/30/2017

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

Appendix B

Wetland Summary Table

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W24	1	136950	Degraded wet meadow dominated by reed canary grass with stinging nettle and giant goldenrod common; scattered to locally common Canada thistle, wild parsnip, and tussock sedge. Ground is very uneven within ROW.	1
N-W24a	1	n/a	**Feature originally labeled as N-W24a was removed during 2016 field investigations.** No farm pond or degraded wet meadow swale observed; fully cropped field planted to corn showing no crop stress or stunting. Degraded wet meadow dominated by reed canary grass. Feature extends off ROW to the north to area of hardwood swamp associated with the Trempealeau River. Previously considered part of N-W24, re-labeled as N-W24a as distinct community, separated from N-W24 by Trempealeau River and upland.	2
N-W24b	1	n/a	Degraded wet meadow dominated by reed canary grass with stinging nettle, Canada goldenrod, and giant goldenrod common. Feature extends off ROW to the north to area of hardwood swamp associated with the Trempealeau River. Previously considered part of N-W24, re-labeled as N-W24b as distinct community, separated from N-W24 by Trempealeau River and upland.	3
N-W24c	3	n/a	Degraded wet meadow in low draw along natural drainage area dominated by reed canary grass with Canada thistle, stinging nettle, and riverbank grape common. Feature previously labeled N-W24b.	4
N-W24d	3, 4	n/a	Degraded wet meadow in low draw along natural drainage area dominated by jewelweed, woolly-fruited sedge, giant goldenrod, reed canary grass, Canada thistle, arrow-leaved tear-thumb, soft rush, and wool-grass. Feature previously labeled N-W24c.	5
N-W25	5	n/a	Farmed wetland with visible stunted and stressed corn crop over fairly dense field nut sedge. Feature reduced during 2016 field investigations to exclude area of farm field on higher topography with no crop stress or stunting.	6
N-W25a	n/a	n/a	**Feature removed during 2016 field investigations.** Vegetated agricultural swale dominated 50/50 by smooth brome and reed canary grass with velvet leaf. No crop stress/stunting or hydrophytic weed species observed within adjacent fields.	---
N-W26	6	n/a	Shrub-carr with inclusion of degraded wet meadow. Shrub-carr with speckled alder, elderberry, and meadowsweet over reed canary grass, jewelweed, and stinging nettle. Degraded wet meadow comprised of similar herbaceous vegetation. Transitions south beyond ROW into floodplain forest complex associated with the Trempealeau River.	7-8
N-W26a	6	136967, 136968	Degraded wet meadow, alder thicket, floodplain forest, and farmed wetland associated with the Trempealeau River. Degraded wet meadow predominant, dominated by reed canary grass with stinging nettle, jewelweed, and swamp milkweed transitioning into farmed wetland on west end with a stunted/stressed soybean crop over dense field nut sedge. Transitions south and north beyond ROW into degraded wet meadow and floodplain forest complex associated with the Trempealeau River. Alder thicket between old ox-bow ponds with speckled alder over reed canary grass, stinging nettle, jewelweed. Transitions south and north beyond ROW into floodplain forest complex associated with the Trempealeau River. Floodplain forest areas dominated by silver maple over reed canary grass.	9-11

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W27	7	n/a	Wet meadow wetland with a small component of farmed wetland/seasonally flooded basin within a swale between agricultural fields. Majority of swale not cropped and dominated by rice-cut grass, curly-top smartweed, and Pennsylvania smartweed with scattered to common reed canary grass, giant ragweed, common ragweed, and field nut sedge.	12
			Feature expanded during 2016 field investigation to extend western wetland boundary to include a depressional area within soybean field with apparent crop stress and field nut sedge.	
N-W28	7, 8	n/a	Wet meadow, degraded wet meadow, and sedge meadow complex that extends off-ROW to the north. Small component of sedge meadow within NW portion in depressional basin with hummocky topography that appears to be seasonally inundated; dominated by wool-grass and tussock sedge, with arrow-leaved tear-thumb and arrowhead common, and reed canary grass common along the perimeter. Wet meadow within western portion dominated by Canada goldenrod, giant goldenrod, and hairy-fruit lake sedge; with scattered to locally common reed canary grass and Kentucky bluegrass, and a few elderberry shrubs. Degraded wet meadow within eastern portion of feature associated with a depressional swale; dominated by reed canary grass with Canada and giant goldenrod common; scattered grey dogwood, tall meadow-rue, hairy-fruit lake sedge, water hemlock, and stinging nettle.	13-14
			Original N-W28 was divided into multiple polygons during 2016 field investigations due to exclusion of several upland areas consisting of farm land with no evidence of crop stress as well as old field in areas of higher elevation that were dominated by goldenrods, smooth brome, Kentucky bluegrass, and common milkweed.	
N-W28a	8	n/a	Degraded wet meadow associated with the Trempealeau River; dominated by reed canary grass with Canada and giant goldenrod common, scattered hairy-fruit lake sedge and saw-tooth wormwood.	15
			Original N-W28 was divided into multiple polygons during 2016 field investigations due to exclusion of several upland areas consisting of farm land with no evidence of crop stress as well as old field in areas of higher elevation that were dominated by goldenrods, smooth brome, Kentucky bluegrass, and common milkweed.	
N-W28b	8	n/a	Degraded wet meadow in depressional area dominated by reed canary grass, Canada and giant goldenrod; with *Spiraea* , grey dogwood, and hairy-fruit lake sedge common.	16
			Original N-W28 was divided into multiple polygons during 2016 field investigations due to exclusion of several upland areas consisting of farm land with no evidence of crop stress as well as old field in areas of higher elevation that were dominated by goldenrods, smooth brome, Kentucky bluegrass, and common milkweed.	
N-W28c	8	136974	Feature consists of multiple wetland polygons located between meanders of the Trempealeau River. Degraded wet meadow dominated by reed canary grass with stinging nettle common and various *Persicaria* spp. scattered.	17-18
			Original N-W28 was divided into multiple polygons during 2016 field investigations due to exclusion of several upland areas consisting of farm land with no evidence of crop stress as well as old field in areas of higher elevation that were dominated by goldenrods, smooth brome, Kentucky bluegrass, and common milkweed.	

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W28d	9	n/a	Feature consists of degraded wet meadow and farmed wetland located within a depressional area associated with the banks of the Trempealeau River and a swale. Degraded wet meadow dominated by reed canary grass with stinging nettle common and pockets of wool-grass and arrowhead. Farmed wetland within the eastern third of the feature within areas of low elevation compared to rest of agricultural field; some stunting of corn observed with scattered field nut sedge and barnyard grass.	19-20
			Original N-W28 was divided into multiple polygons during 2016 field investigations due to exclusion of several upland areas consisting of farm land with no evidence of crop stress as well as old field in areas of higher elevation that were dominated by goldenrods, smooth brome, Kentucky bluegrass, and common milkweed.	
N-W29	n/a	n/a	**Feature no longer within Project ROW due to shift in corridor alignment.**	---
N-W30	n/a	n/a	**Feature no longer within Project ROW due to shift in corridor alignment.**	---
N-W31	10	n/a	Hardwood swamp dominated by box elder and speckled alder over reed canary grass and jewelweed, transitioning into degraded wet meadow along ag field edge. Degraded wet meadow dominated by reed canary grass, jewelweed, ironweed, stinging nettle, giant goldenrod, and arrow-leaved tear-thumb.	21
			Feature added during 2016 field investigations due to shift in corridor alignment.	
N-W32	10	n/a	Degraded wet meadow dominated by reed canary grass with stinging nettle, jewelweed, and scattered elderberry and speckled alder shrubs.	22
N-W32a	10, 11	n/a	Primarily sedge meadow with degraded wet meadow at west end of feature. Sedge meadow portion dominated by woolly-fruited sedge, wool-grass, tussock sedge, boneset, blue-flag iris, and scattered meadowsweet and steeplebush. A few scattered patches of reed canary grass are present within the sedge meadow community, but not widespread. Degraded wet meadow portion dominated by reed canary grass with stinging nettle, jewelweed, blue vervain, woolly-fruited sedge, and sensitive fern.	23-24
			Feature adjusted during 2016 field investigation to exclude area of higher topography dominated by smooth brome, common milkweed, bracken fern, and common ragweed.	
N-W33	11, 12	n/a	Shrub-carr and degraded wet meadow complex associated with waterway. Degraded wet meadow dominated by reed canary grass with stinging nettle, soft rush, jewelweed, and arrow-leaved tear-thumb. Shrub-carr with similar herbaceous species as well as speckled alder, elderberry, and meadowsweet shrubs.	25
N-W33a	11, 12	136986	Degraded wet meadow in depressional pocket dominated by reed canary grass with sparse marsh sunflower, giant goldenrod, and sensitive fern. Extends south into hardwood swamp with red maple, quaking aspen, broad-leaved cattail, wool-grass, giant goldenrod, reed canary grass, and swamp milkweed.	26
N-W33b	11, 12	n/a	Small, shallow wet meadow depression dominated by wool-grass, steeplebush, rattlesnake grass, jewelweed, with sparse reed canary grass and red-top.	27
N-W34	12	n/a	Wet meadow with red-top, wool-grass, steeplebush, giant goldenrod, common milkweed, and sensitive fern common. Transitions north of ROW into hardwood swamp.	28

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W35	13	n/a	Pastured wet meadow along waterway with boneset, soft rush, blue vervain, switchgrass, field nut sedge, swamp milkweed, and giant goldenrod common.	29
N-W36	13	136992	Sedge meadow on east end of feature dominated by woolly-fruited sedge, tussock sedge with large, well-developed hummocks, sensitive fern, spotted Joe-Pye weed, giant goldenrod, meadowsweet, and scattered broad-leaved cattail. Transitions into degraded wet meadow on higher topo at west end of feature; dominated by reed canary grass with some giant goldenrod, stinging nettle, and tall meadow-rue.	30-31
N-W37	13, 14	136993	Degraded wet meadow, wet meadow, sedge meadow, and alder thicket communities in depressional area associated with Skutley Creek. Degraded wet meadow areas dominated by reed canary grass with scattered giant goldenrod, wool-grass, elderberry, and giant ragweed. Sedge meadow within western portion of feature dominated by lake sedge, tussock sedge, wool-grass, *Spiraea* , and white panicle aster with spotted Joe-Pye weed common. Wet meadow west of Skutley Creek dominated by giant goldenrod, reed canary grass common, with scattered water hemlock, *Rubus* spp., and sawtooth wormwood. Small component of alder thicket in northcentral portion; dominated by speckled alder and reed canary grass with giant goldenrod and orange jewelweed common. Reduced wetland boundary at east end of feature during 2016 field investigations to exclude agricultural lands with no evidence of crop stress, higher elevation than wetland area, and presence of upland weeds between soybeans such as lamb's-quarters and velvet leaf.	32
N-W38	14	n/a	Wet meadow swale between agricultural fields; dominated by fall panic grass, Pennsylvania sedge, common milkweed, field nut sedge, and barnyard grass with few cattail and ironweed. Farmed wetland along eastern perimeter with no crop stress observed during August 2016 field investigation but with field nut sedge, barnyard grass, and fall panic grass common. Reduced wetland boundary in NE corner during 2016 field investigations to exclude upland agricultural land with no wetland indicators observed and located at elevations a few feet above the wetland.	33
N-W39	15, 16	n/a	Degraded wet meadow swale in low drainage between ag fields; reed canary grass, soft rush, boneset, swamp milkweed, sensitive fern, wool-grass, and giant goldenrod common. Featured reduced during 2016 field investigations to exclude upland agricultural land on higher topography and no indication of crop stress/stunting.	34
N-W40	16	n/a	Pastured sedge meadow with fox sedge, wool-grass, tussock sedge, boneset, and blue vervain common. Transitions into degraded sedge meadow at west end where reed canary grass is beginning to colonize. Extends north of ROW into floodplain forest associated with French Creek and S of ROW into hardwood swamp.	35
N-W40a	16	n/a	Pastured sedge meadow with fox sedge, wool-grass, tussock sedge, boneset, and blue vervain common. Extends north of ROW into floodplain forest associated with French Creek.	36

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W41	16, 17	137004, 137005	Pastured sedge meadow, alder thicket, and degraded sedge meadow complex. Sedge meadow with tussock sedge, wool-grass, blue vervain, boneset, soft rush, and fox sedge common. Alder thicket along edges of project ROW with speckled alder over sedge meadow herbaceous species. Degraded sedge meadow near west end of feature with reed canary grass common; with rattlesnake grass, fox sedge, boneset, tussock sedge, woolly-fruited sedge, soft rush, giant goldenrod, and water hemlock.	37-38
N-W42	17, 18	137006, 137007	Large wetland complex consisting primarily of degraded wet meadow with small pockets of alder thicket. Degraded wet meadow dominated by reed canary grass with various sedges and forbs scattered and a few patches of Canada thistle. Degraded wet meadow in eastern portion with shallow inundation and dominance by reed canary grass with tussock sedge and orange jewelweed common. Alder thicket pockets located primarily along the edge of the maintained ROW; dominated by speckled alder and reed canary grass. Previously delineated feature split into two polygons during 2016 field investigations to exclude upland old field west of structure 137008 dominated by Canada goldenrod, smooth brome, and common milkweed; as well as upland hayfield east of structure 137008 located along a slope with no wetland hydrology indicators, compacted soil, and dominated by fescues and alsike clover. Reduced wetland boundary near southwest portion to exclude upland old field area on a rise above the wetland; dominated by giant goldenrod, common milkweed, and quack grass with Canada thistle common.	39-40
N-W42a	18	n/a	Degraded wet meadow at west and east portions; dominated by reed canary grass with Pennsylvania sedge, boneset, blue vervain, arrow-leaved tear-thumb, and stinging nettle common. Shallow marsh within central portion of feature with seasonal inundation; dominated by reed canary grass, wool-grass, and scattered tussock sedge.	40a
N-W43	18	n/a	Farmed wetland along west and east perimeters of feature; no evidence of crop stress during August 2016 field investigation, but tractor rutting observed. Wet meadow in western portion of feature dominated by fowl meadow grass, blue vervain, boneset, giant goldenrod, sensitive fern, and swamp milkweed; with scattered reed canary grass and wool-grass. Degraded wet meadow within eastern portion dominated by reed canary grass with blue vervain, boneset, and white panicle aster.	41-42
N-W44	18, 19	137011	Degraded wet meadow dominated by reed canary grass with arrow-leaved tear-thumb, white panicle aster, alsike clover, and Canada goldenrod common with scattered Canada thistle. Farmed wetland in far northeast corner with some observed stunting of soybeans compared to upland areas of the field, presence of hydrology indicators, and scattered common horsetail and white panicle aster.	43-44

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W45	19, 20	137013, 137014	Wet meadow, degraded wet meadow, hardwood swamp, and farmed wetland complex. Wet meadow areas dominated by giant goldenrod, wool-grass, spotted Joe-Pye weed, blue vervain, marsh sunflower and sensitive fern with sparse, scattered patches of reed canary grass. Degraded wet meadow areas with close to 100% cover by reed canary grass. Small portion of hardwood swamp along southern boundary of ROW with quaking aspen dominant in the canopy with red maple, winterberry, wool-grass, and jewelweed. Small area of farmed wetland with stunted/stressed corn crop over field nut sedge.	45-48
N-W46	27, 28	n/a	Small area of degraded wet meadow dominated by reed canary grass with scattered elderberry, jewelweed, marsh hedgenettle, stinging nettle, riverbank grape, and one large black willow near edge of existing ROW.	49
N-W47	27, 28	n/a	Alder thicket with speckled alder dominant and glossy buckthorn common over jewelweed, skunk cabbage, bluejoint, arrow-leaved tear-thumb, wool-grass, stinging nettle, blackberry, and reed canary grass.	50-51
N-W48	29	n/a	Alder thicket with speckled alder dominant and glossy buckthorn common over reed canary grass, jewelweed, and scattered honeysuckle shrubs. Degraded wet meadow near center of feature dominated by reed canary grass with scattered sensitive fern, blue vervain, jewelweed, tussock sedge, giant goldenrod, common great Angelica, and rattlesnake grass. Tussock sedge more prevalent along waterway running through the feature.	52-53
N-W49	32	n/a	Pastured degraded wet meadow associated with Kenyon Creek in S 2/3 of feature; dominated by alsike clover, soft rush, American manna grass, and various sedges. Degraded wet meadow in far NW corner along the bank of Kenyon Creek; dominated by reed canary grass, orange jewelweed, and common great Angelica. Alder thicket in N 1/3 of feature; dominated by speckled alder, reed canary grass, white panicle aster, American manna grass, orange jewelweed, and few glossy buckthorn and common great Angelica.	54-55
N-W50	34	n/a	Pastured alder thicket with speckled alder over reed canary grass and soft rush.	56
N-W50a	36	n/a	Narrow degraded wet meadow swale between two slopes; mown and used for possible ATV access. Dominated by orange jewelweed, giant goldenrod, and sensitive fern with black raspberry, American red raspberry, elderberry, glossy buckthorn, and stinging nettle present along unmown perimeter.	57

Appendix B. Wetland Summary Table
ATC - Badger Coulee 345 kV Transmission Line Project

Wetland ID	EAP Map Page	Structures in Wetland	Community Description / Observations	Photo Number
N-W51	37	n/a	Alder thicket, hardwood swamp, and wet meadow complex located within a depressional area associated with Town Creek. Wet meadow in SE portion of feature dominated by stinging nettle, skunk cabbage, orange jewelweed, giant goldenrod, fowl manna grass, and scattered reed canary grass. Alder thicket north of the wet meadow with similar species but with speckled alder dominant and glossy buckthorn scattered. Hardwood swamp in NW portion of feature dominated by box elder, American elm, cottonwood, orange jewelweed, and glossy buckthorn. Wetland along the south bank of Town Creek primarily restricted to the ordinary high water mark with the exception of small degraded wet meadow area dominated by reed canary grass and orange jewelweed.	58-60
			Wetland boundaries modified during 2016 field investigations from previous aerial delineation and due to shift in project corridor. Feature extended to follow the topo break and to include additional alder thicket and wet meadow. Feature reduced along south bank of Town Creek to exclude upland mesic woodland along a slope several feet above the waterway; dominated by white pine, red maple, and common buckthorn.	
N-W51a	37	n/a	Sedge meadow within isolated depression dominated by wool-grass with scattered reed canary grass. Degraded wet meadow around perimeter of basin dominated by reed canary grass with white panicle aster, stinging nettle, and few glossy buckthorn.	61
			Feature added during 2016 field investigations.	

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

Appendix C

Photographs of Wetlands and Waterways

Wetland Photographs

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 01. N-W24; vN. Aug 2016

Photo 02. N-W24a; vSW. Aug 2016

Photo 03. N-W24b; vW. Aug 2016

Photo 04. N-W24c; vSE. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 05. N-W24d; vN. Aug 2016

Photo 06. N-W25; vNE. Aug 2016

Photo 07. N-W26 SC; vSE. Aug 2016

Photo 08. N-W26 DWM, SC; vSW. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 09. N-W26a farmed, DWM at W end; vN. Aug 2016

Photo 10. N-W26a DWM, AT from W end; vE. Aug 2016

Photo 11. N-W26a DWM, FF; vSE. Aug 2016

Photo 12. N-W27; vSE. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 13. N-W28; vE from W end. Aug 2016

Photo 14. N-W28; vSE. Aug 2016

Photo 15. N-W28a; vE. Aug 2016

Photo 16. N-W28b; vW from E end. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 17. N-W28c; vW. Aug 2016

Photo 18. N-W28c; vW from E end. Aug 2016

Photo 19. N-W28d; vSE. Aug 2016

Photo 20. N-W28d; vNW. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 21.N-W31 DWM, HS; vNE. Aug 2016

Photo 22. N-W32; vN. Aug 2016

Photo 23. N-W32a DWM; vW. Aug 2016

Photo 24. N-W32a SM; vSW. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 25. N-W33 DWM, SC; vN. Aug 2016

Photo 26. N-W33a DWM, HS; vE. Aug 2016

Photo 27. N-W33b; vW. Aug 2016

Photo 28. N-W34; vW. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 29. N-W35; vW. Aug 2016

Photo 30. N-W36 DWM; vW. Aug 2016

Photo 31. N-W36 SM at E end; vN. Aug 2016

Photo 32. N-W37; vE from W end. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 33. N-W38; vE from W edge. Aug 2016

Photo 34. N-W39; vSW. Aug 2016

Photo 35. N-W40; vE from W end. Aug 2016

Photo 36. N-W40a; vN. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 37. N-W41 DSM, AT; vSW. Aug 2016

Photo 38. N-W41 SM at E end; vN. Aug 2016

Photo 39. N-W42 DWM, AT at W end; vE. Aug 2016

Photo 40. N-W42 DWM, AT at E end; vW. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 40a. N-W42a DWM, ShM; vW. Aug 2016

Photo 41. N-W43, WM; vW. Aug 2016

Photo 42. N-W43 DWM; vW. Aug 2016

Photo 43. N-W44 near W end; vE. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 44. N-W44 near E end; vW. Aug 2016

Photo 45. N-W45 DWM; vW. Aug 2016

Photo 46. N-W45 HS along S border; vW. Aug 2016

Photo 47. N-W45 WM from farmed portion; vW. Aug 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 48. N-W45 farmed wetland; vW. Aug 2016

Photo 49. N-W46; vNW. July 2016

Photo 50. N-W47; vE. July 2016

Photo 51. N-W47; vW. July 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 52. N-W48 DWM at center of feature; vE. July 2016

Photo 53. N-W48 AT; vS. July 2016

Photo 54. N-W49 DWM; vW. July 2016

Photo 55. N-W49 AT; vE. July 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 56. N-W50 AT; vS. July 2016

Photo 57. N-W50a; vS. July 2016

Photo 58. N-W51 HS; vE. July 2016

Photo 59. N-W51 SC; vW. July 2016

Appendix C. Photographs of Wetlands - Chronological from West to East

Photo 60. N-W51 DWM along N-R31; vNW. July 2016

Photo 61. N-W51a SM with DWM frige; vE. July 2016

Waterway Photographs

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 01. N-R11d; vS. Aug 2016

Photo 02. N-R12; vE. Aug 2016

Photo 03. N-R12c, representative of N-R12d thru N-R14; vE. Aug 2016

Photo 03a. N-R14a, representative of N-R14b; vS. Feb 2017

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 04. N-R15, representative of N-R13, N-R14; vW. Aug 2016

Photo 04a. N-R15a (from Pictometry), Apr 2012

Photo 05. N-R16; vN. Aug 2016

Photo 06. N-R16b; vS. Aug 2016

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 06a. N-R16c; vE. Feb 2017

Photo 07. N-R18, representative of N-R16a, N-R17; vN. Aug 2016

Photo 08. N-R19; vNW. Aug 2016

Photo 09. N-R20b; vNE. Aug 2016

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 10. N-R20; vSW. Aug 2016

Photo 11. N-R20a; vE. Aug 2016

Photo 12. N-R21; vN. Aug 2016

Photo 13. N-R22; vN. Aug 2016

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 14. N-R22a; vN. Aug 2016

Photo 15. N-R22b; view of overgrown channel. Aug 2016

Photo 16. N-R23; vS. Aug 2016

Photo 17. N-R24; vN. Aug 2016

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 18. Representative photo of N-R25, R26, R27; vS. Aug 2016

Photo 19. N-R27a; vW. Aug 2016

Photo 20. N-R27b; vN. Aug 2016

Photo 21. N-R27c; vSW. July 2016

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 22. N-R27d; vS. July 2016

Photo 23. N-R28; vN. July 2016

Photo 23a. N-R28a; vSW. Mar 2017

Photo 24. N-R29; vS. July 2016

Appendix C. Photographs of Waterways - Chronological from West to East

Photo 25. N-R30; vNE. July 2016

Photo 26. N-R31; vW. July 2016

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

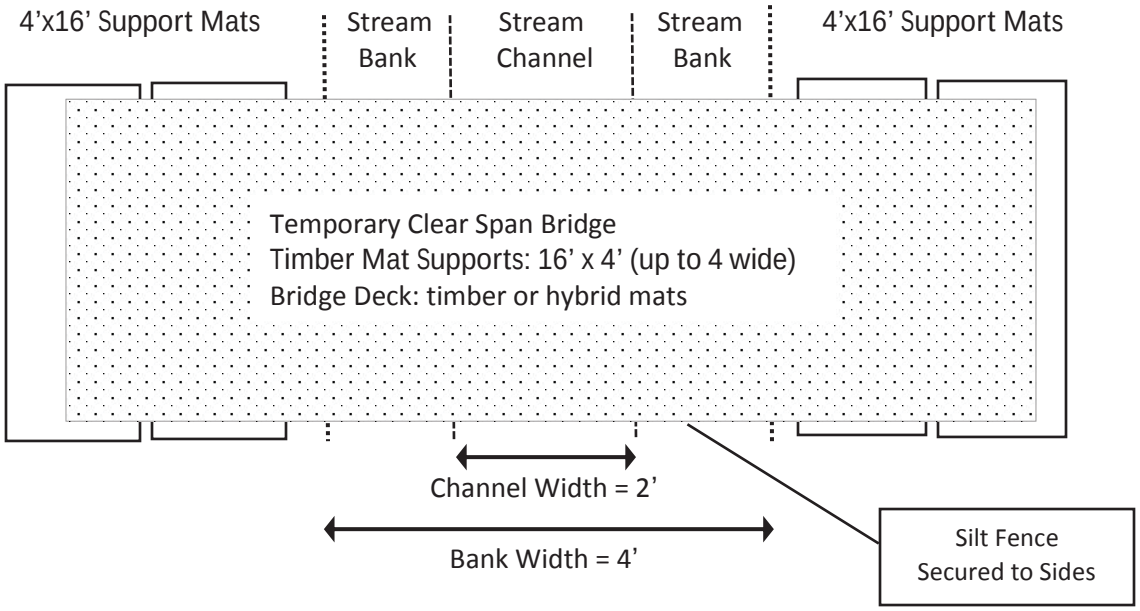
Appendix D

Plan and Profile Figures

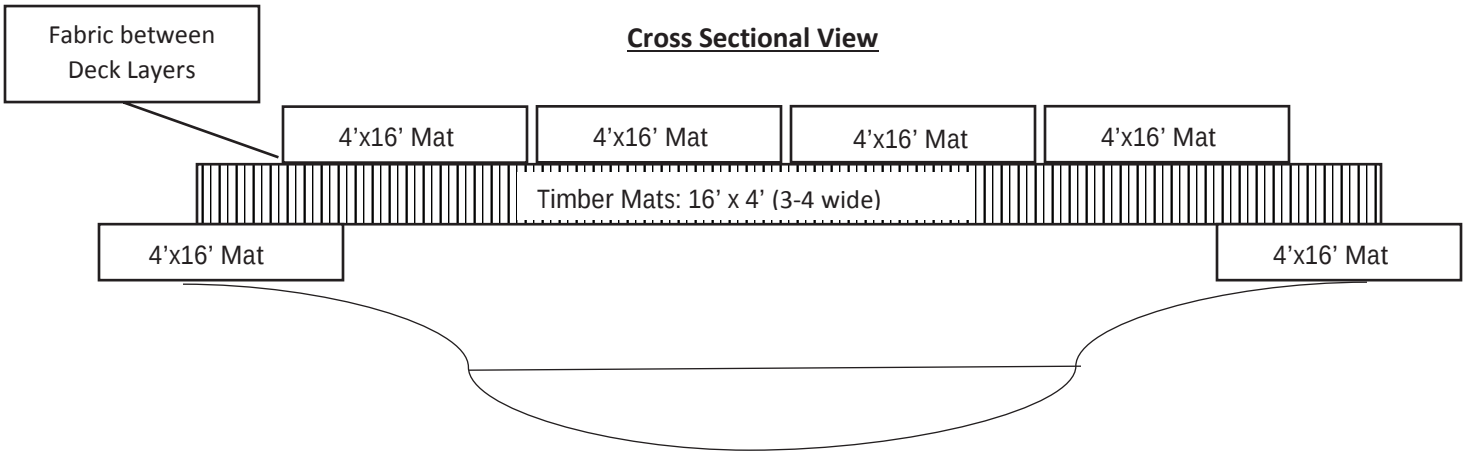
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R14a
Nearest Structure: 136967

Plan View



Cross Sectional View



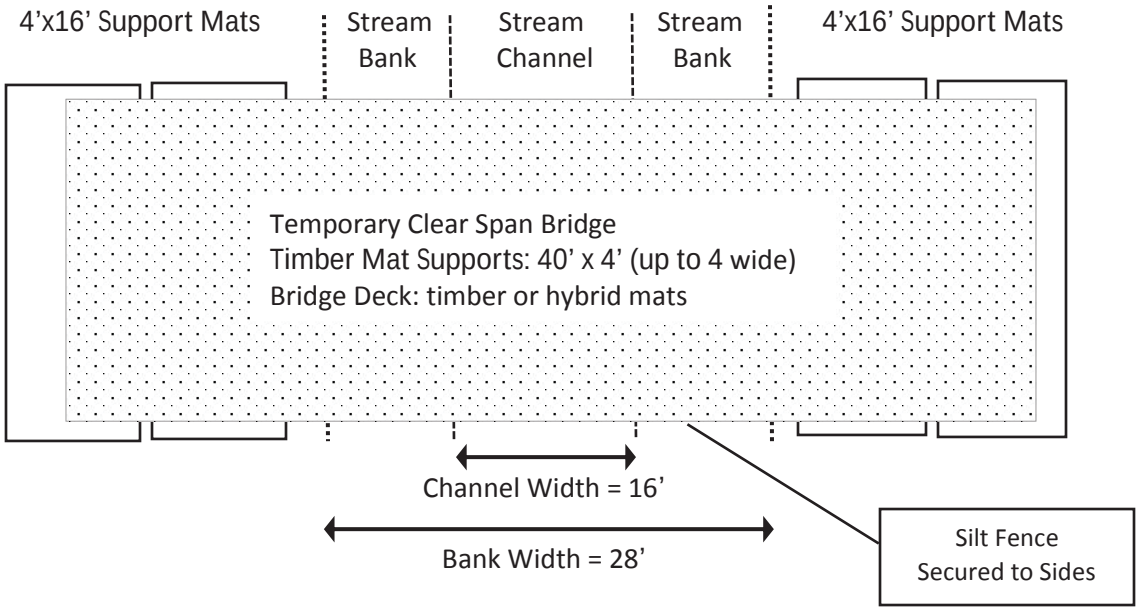
Depth of Water = 3"
Height of Bank = 1'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

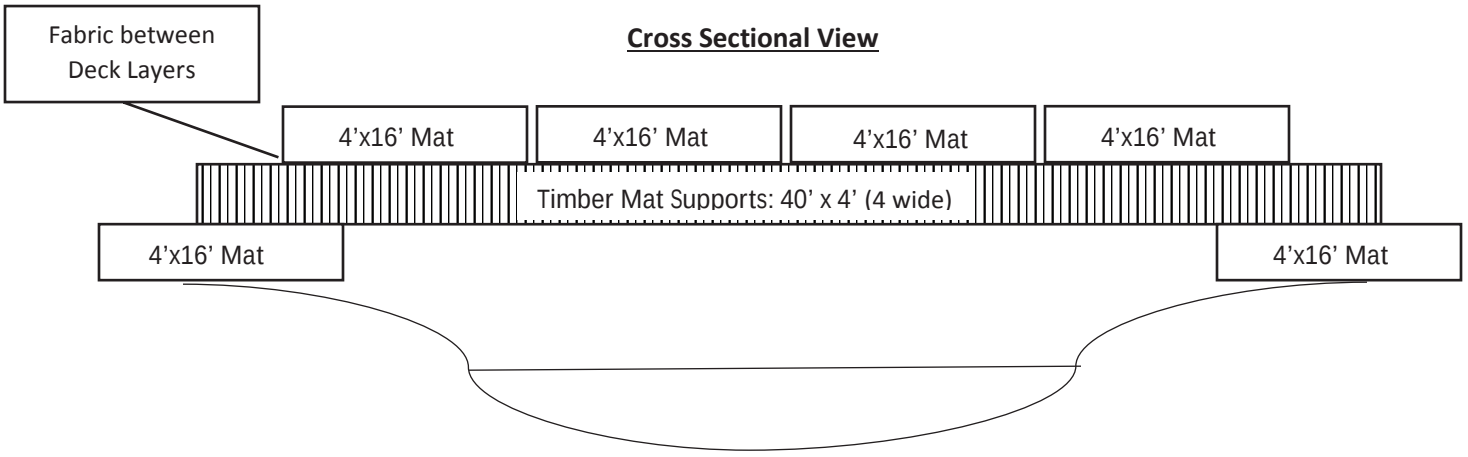
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R14b
Nearest Structure: 136967

Plan View



Cross Sectional View



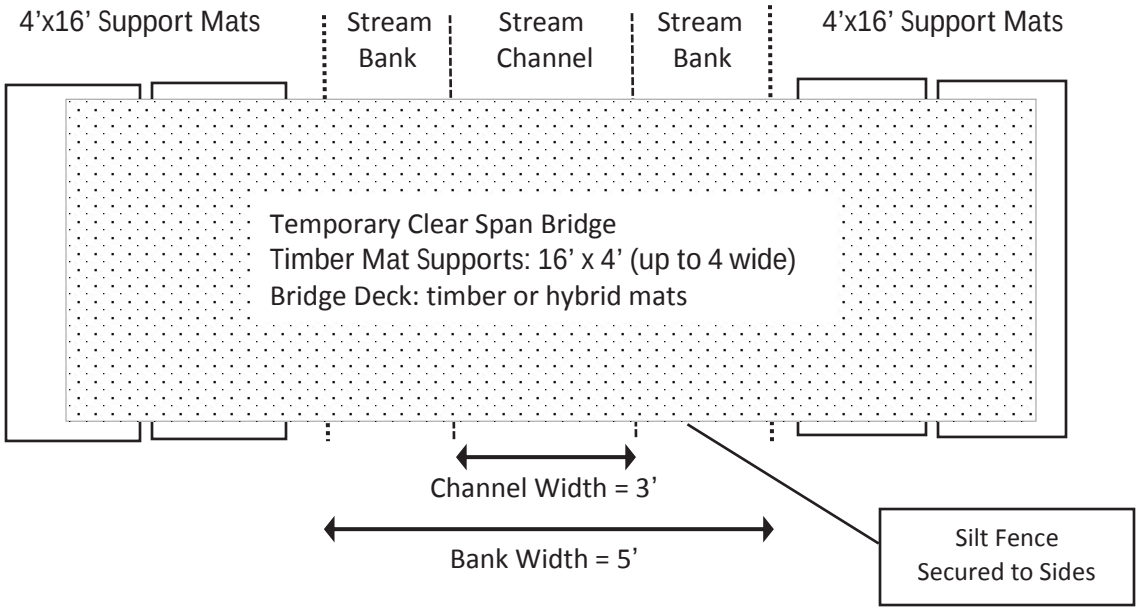
Depth of Water = 6"
Height of Bank = 2'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

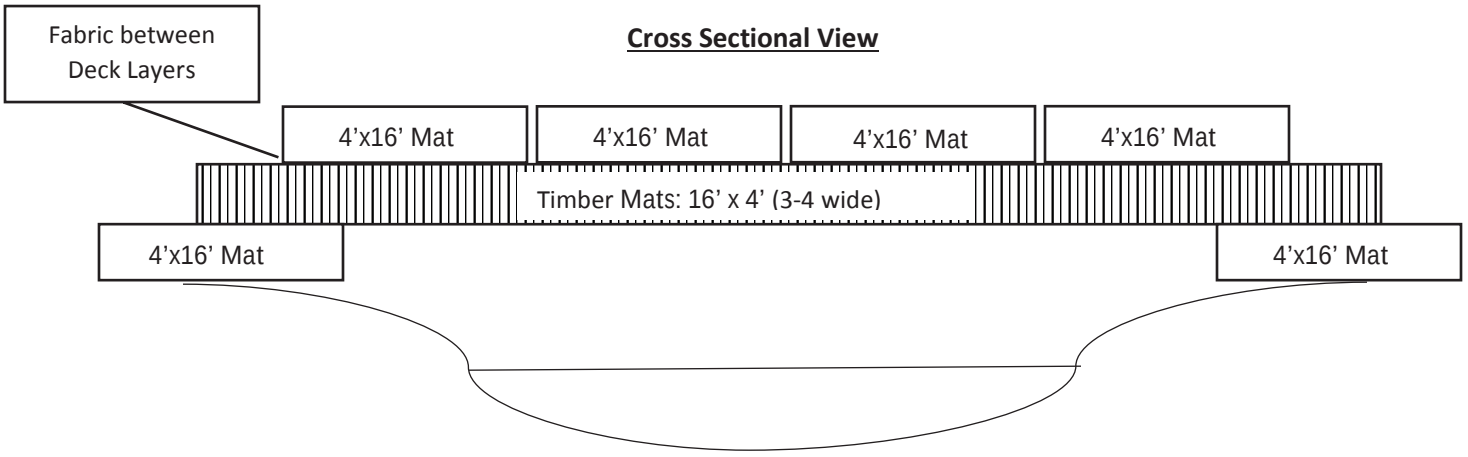
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R15a
Nearest Structure: 136972

Plan View



Cross Sectional View



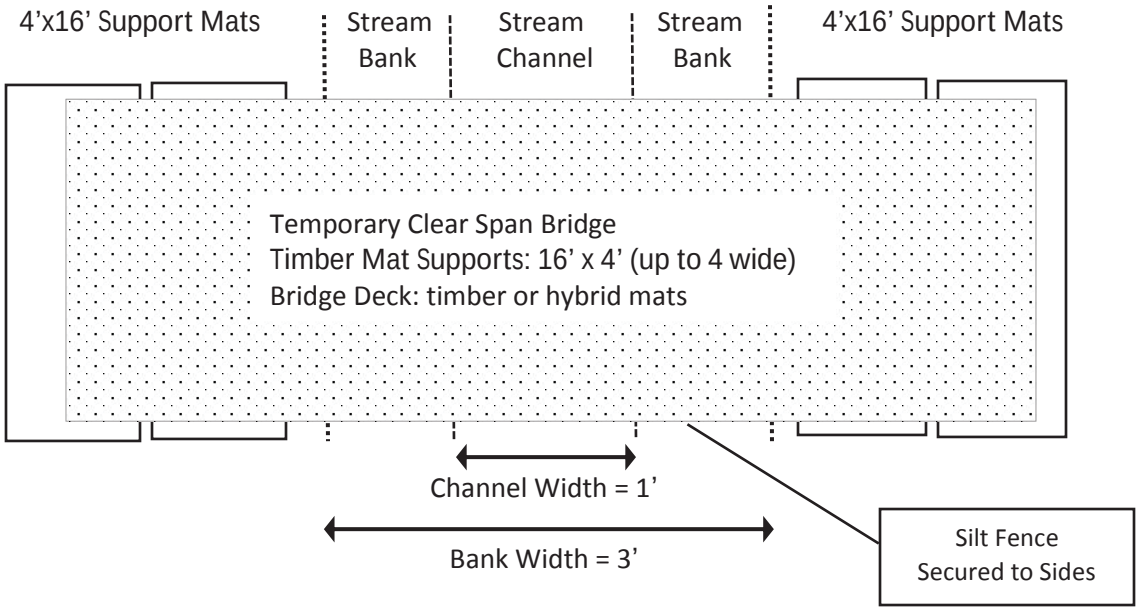
Depth of Water = 6"
Height of Bank = 1-2'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

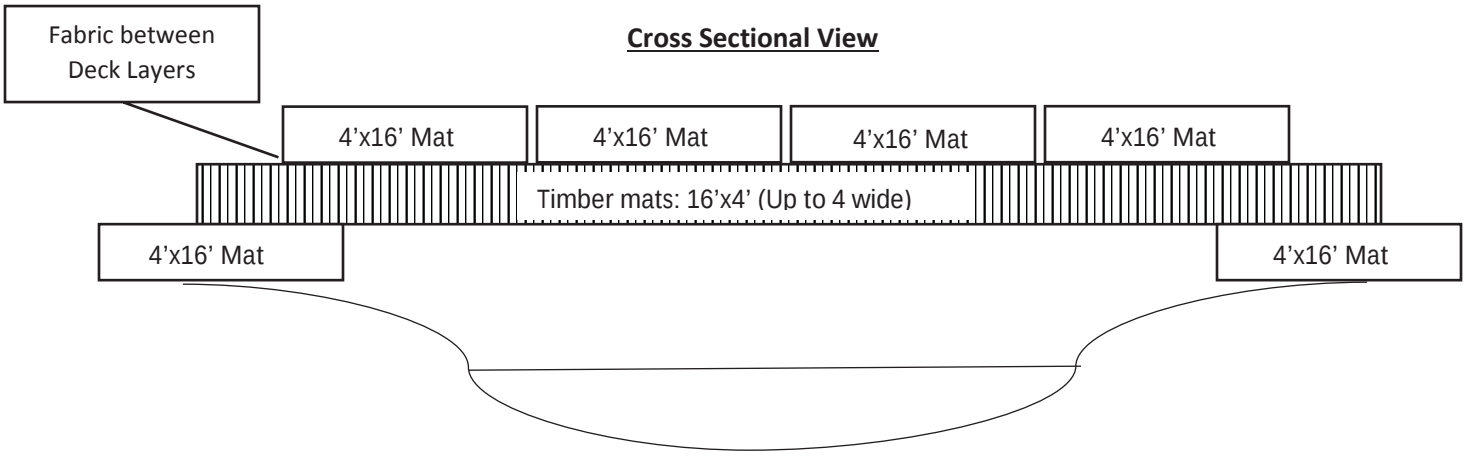
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R16c
Nearest Structure: 136974

Plan View



Cross Sectional View



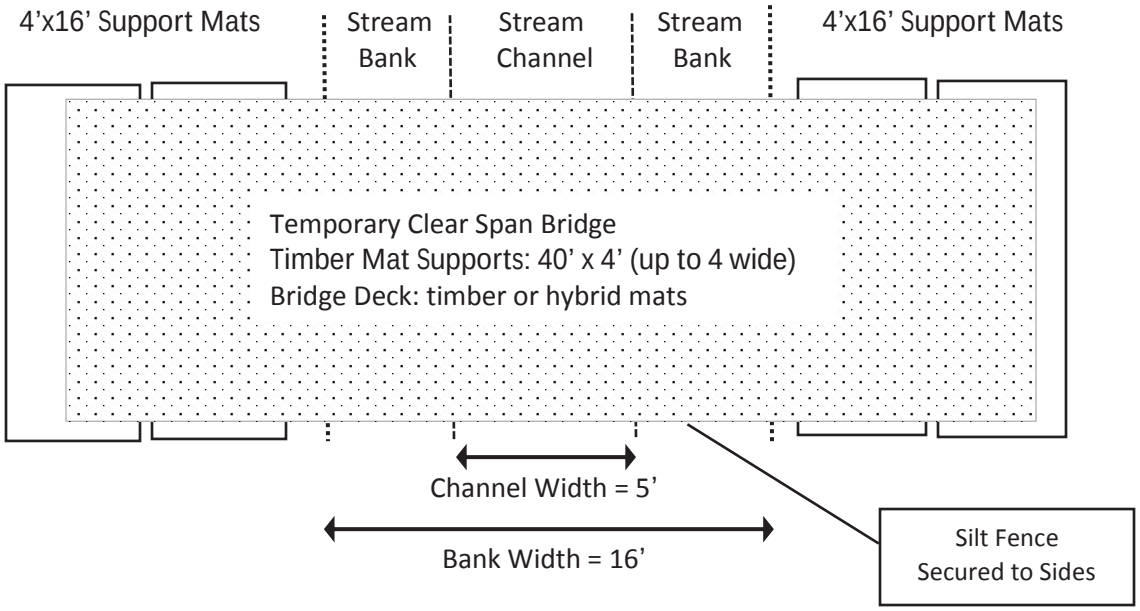
Depth of Water = 1"
Height of Bank = 2'

- Drawings are not to scale
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

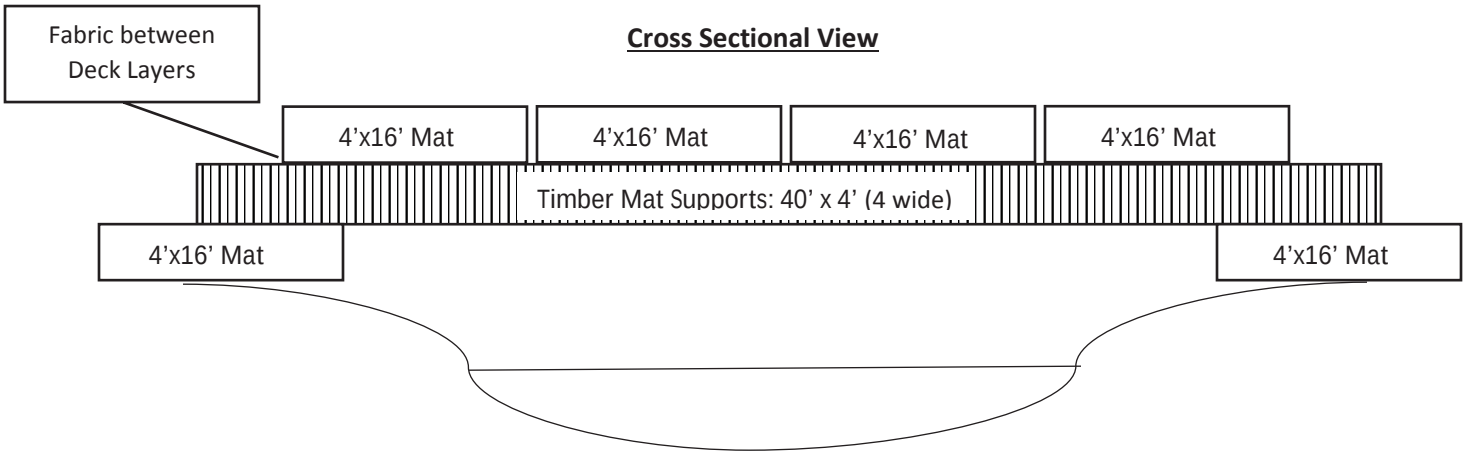
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R20a
Nearest Structure: 136981

Plan View



Cross Sectional View



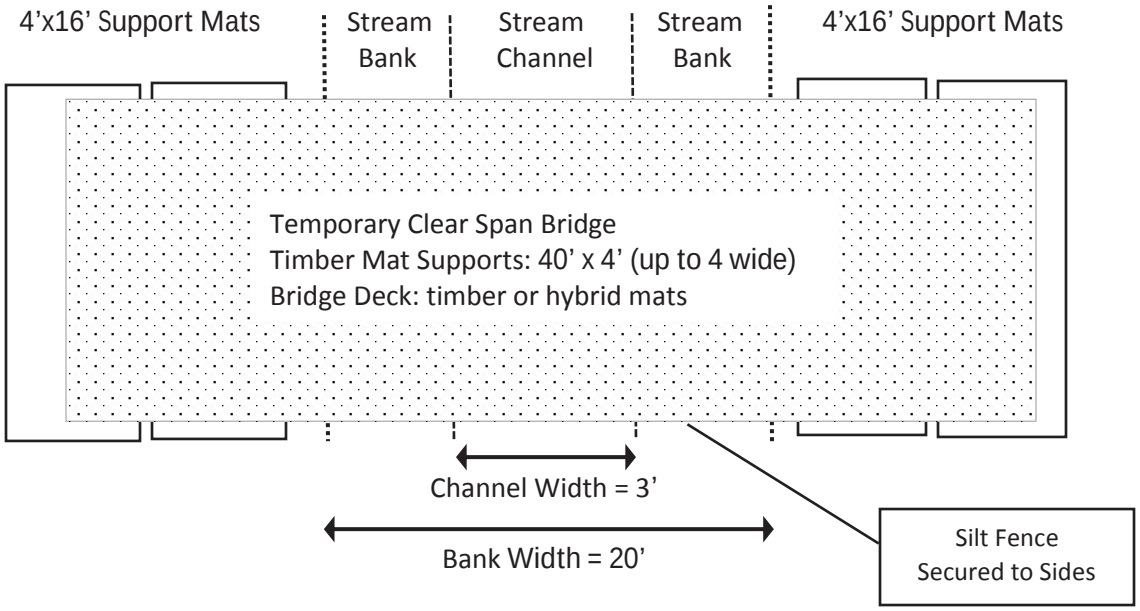
Depth of Water = 9"
Height of Bank = 5'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

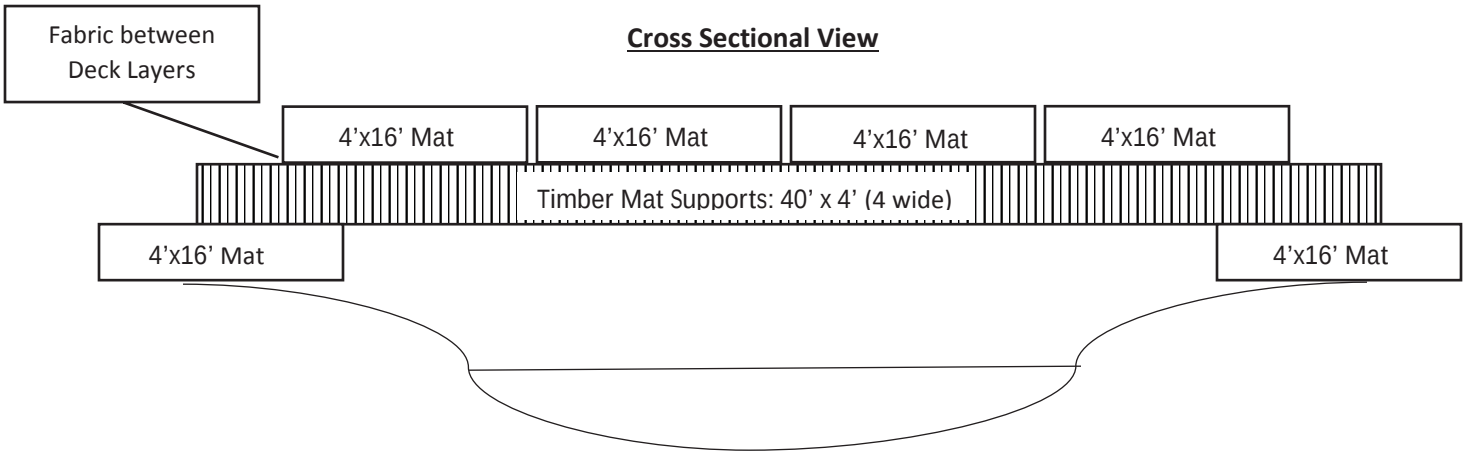
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R21
Nearest Structure: 136986

Plan View



Cross Sectional View



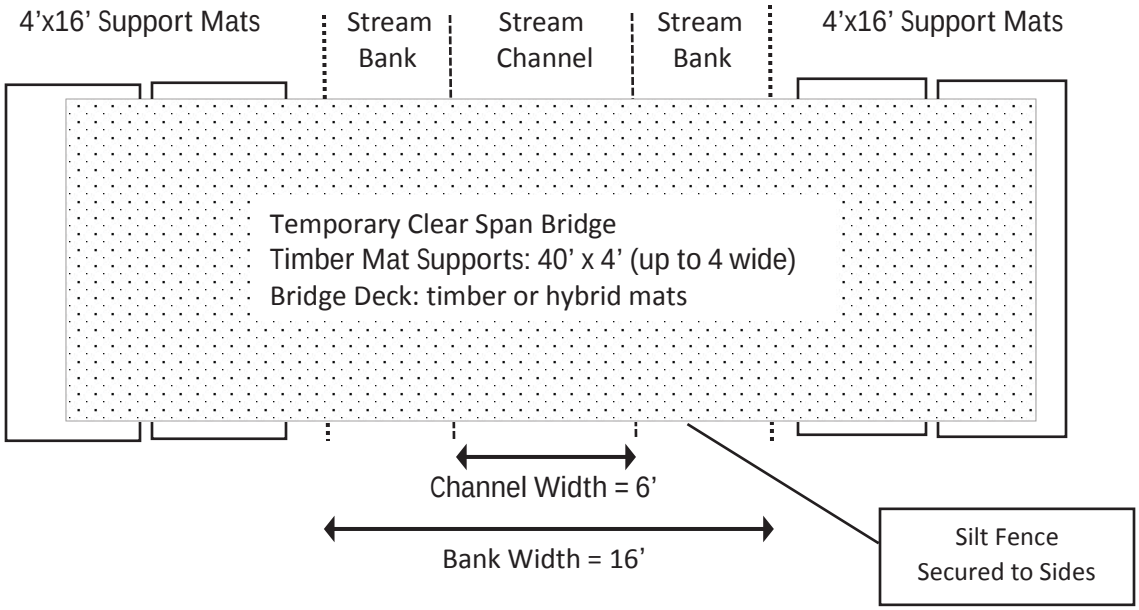
Depth of Water = 6"
Height of Bank = 3'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

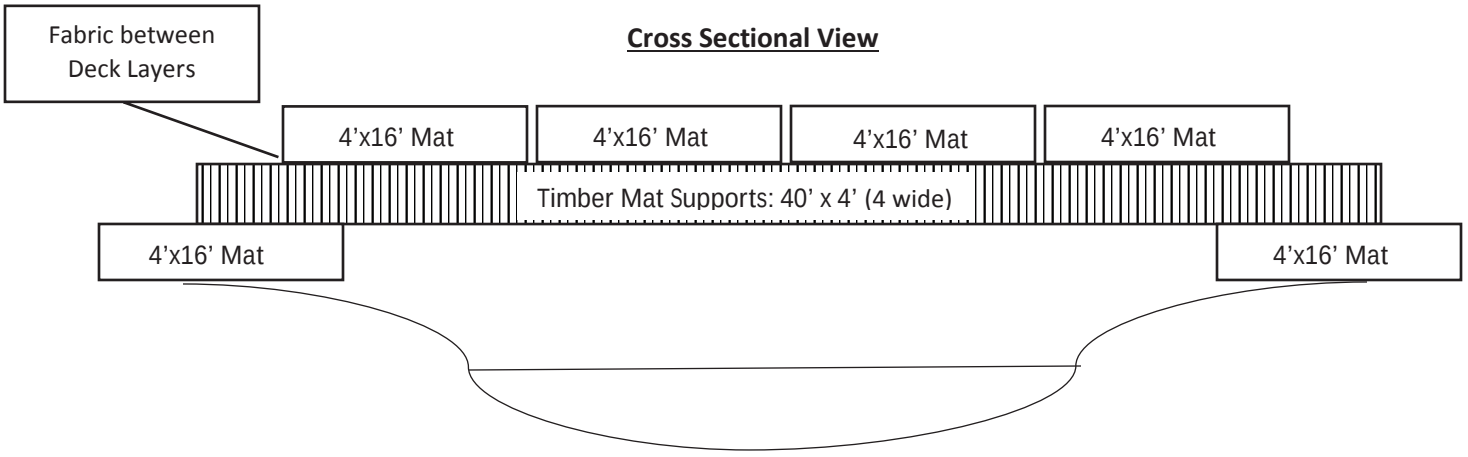
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R22
Nearest Structure: 136990

Plan View



Cross Sectional View



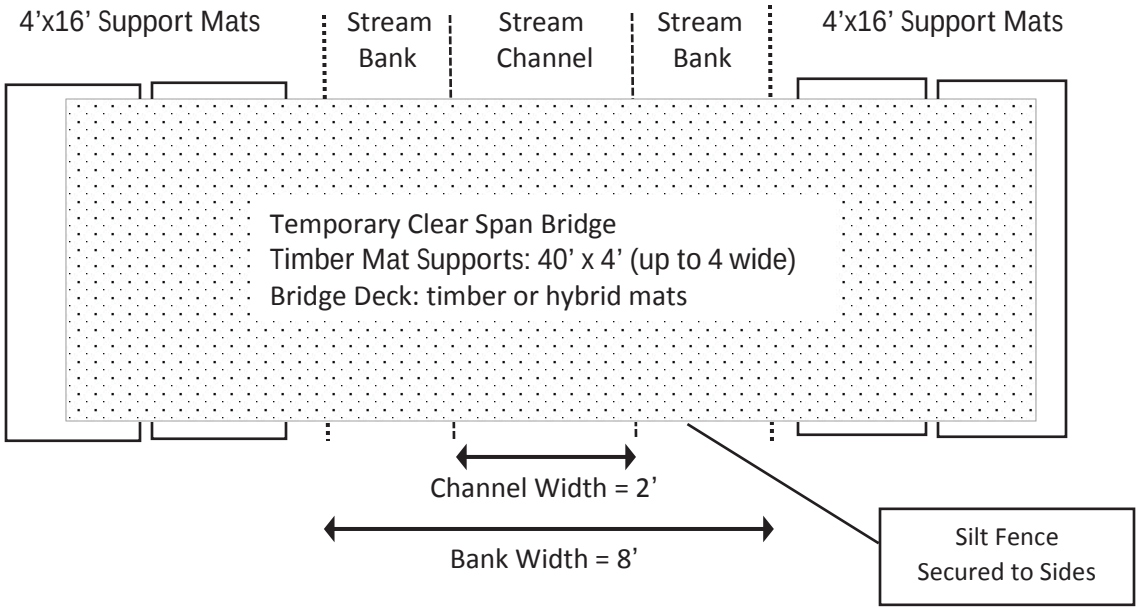
Depth of Water = 6"
Height of Bank = 4'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

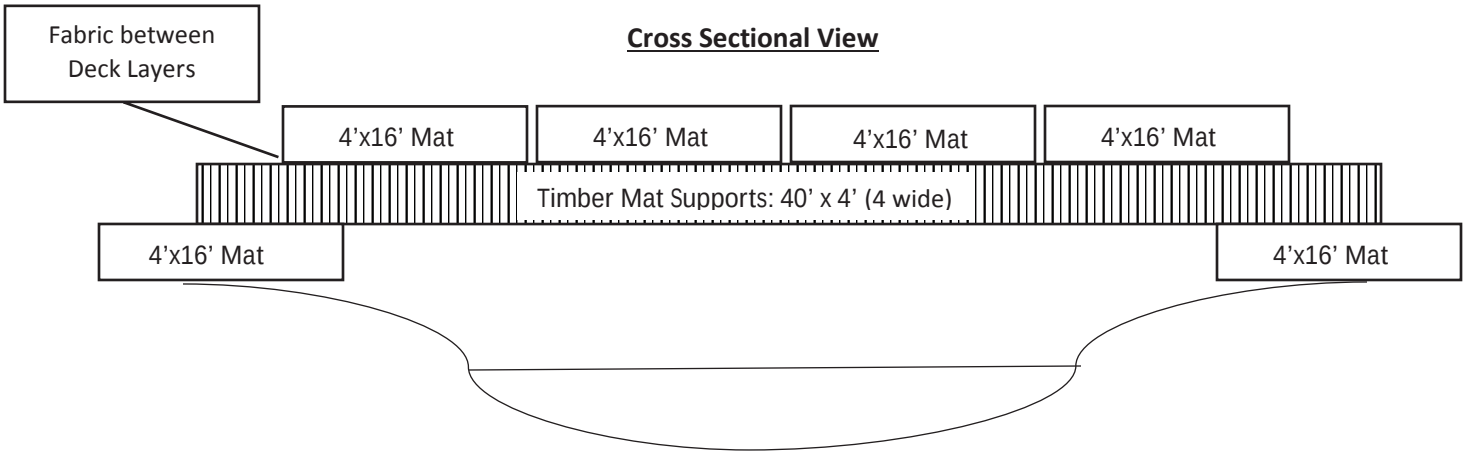
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R22a
Nearest Structure: 136992

Plan View



Cross Sectional View



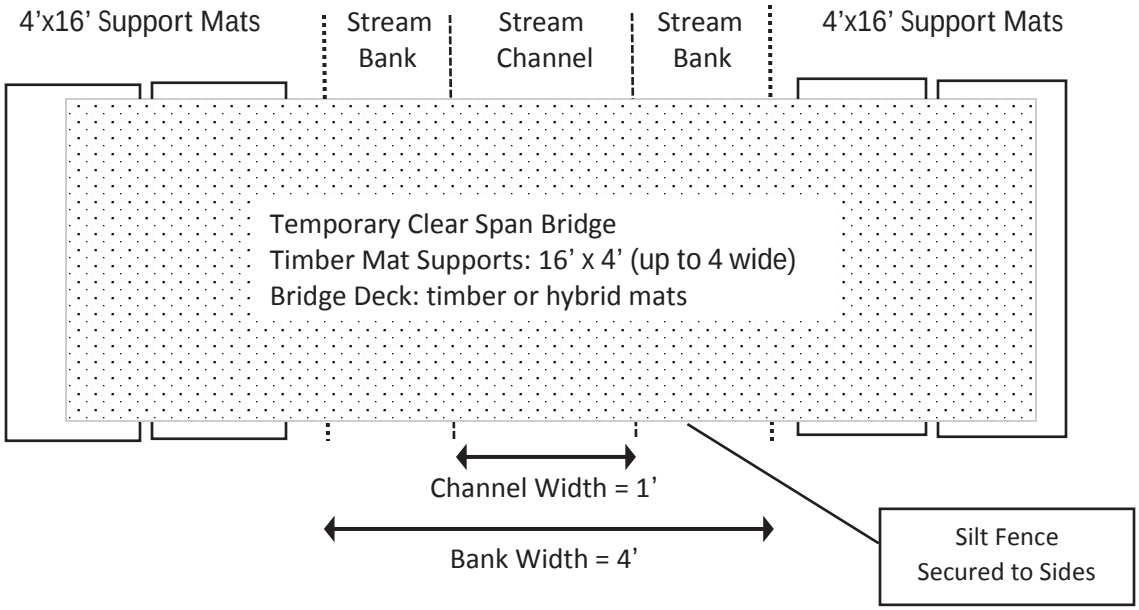
Depth of Water = 3"
Height of Bank = 2'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

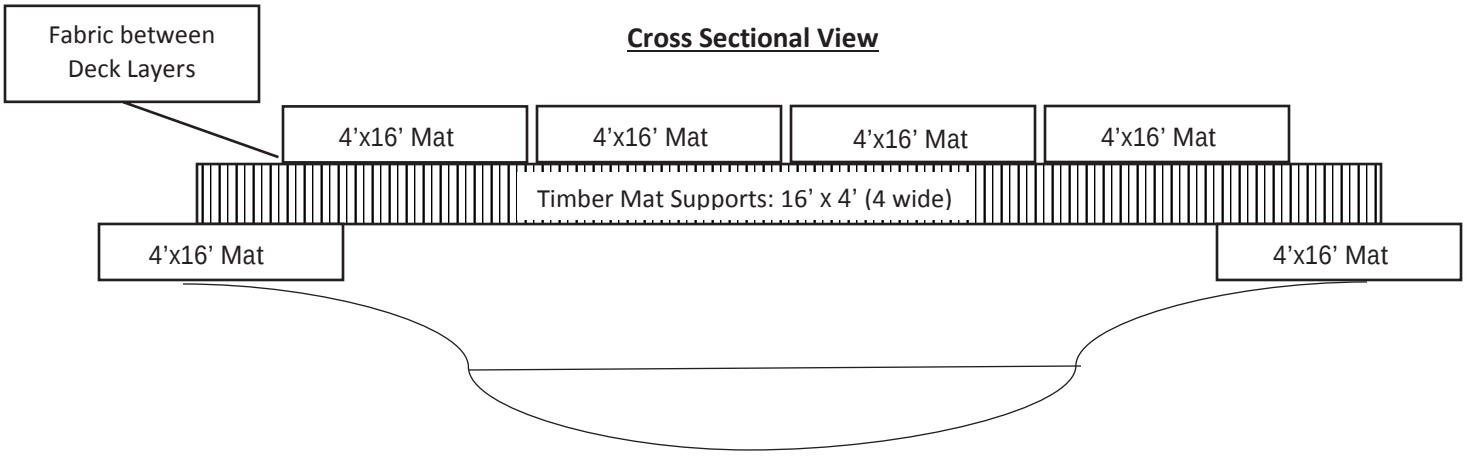
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R22b
Nearest Structure: 136993

Plan View



Cross Sectional View



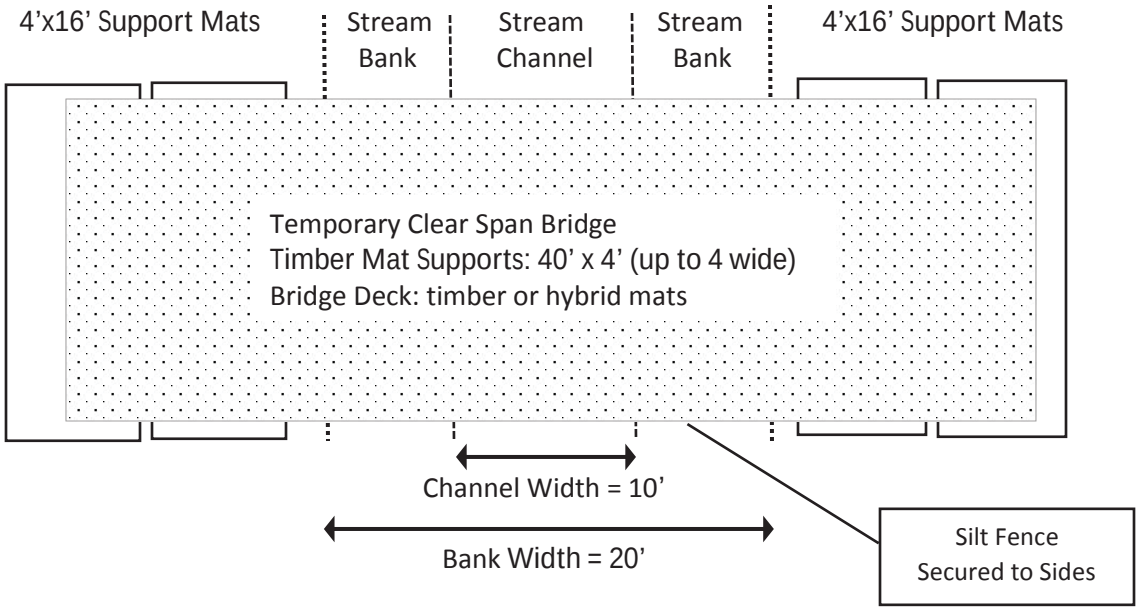
Depth of Water = 3"
Height of Bank = 6"

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

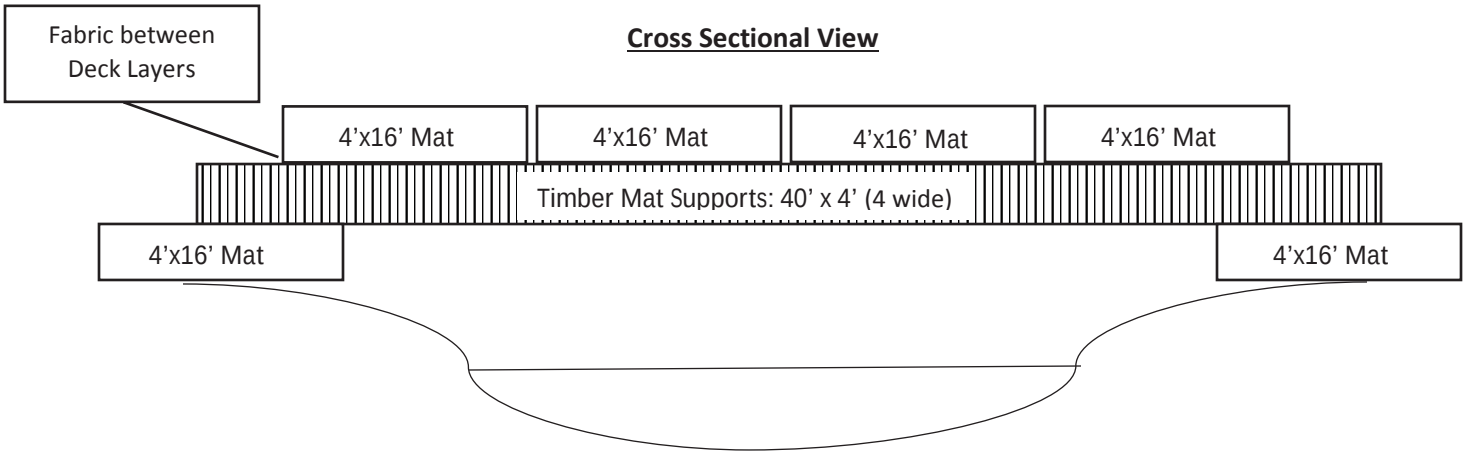
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R23
Nearest Structure: 136993

Plan View



Cross Sectional View



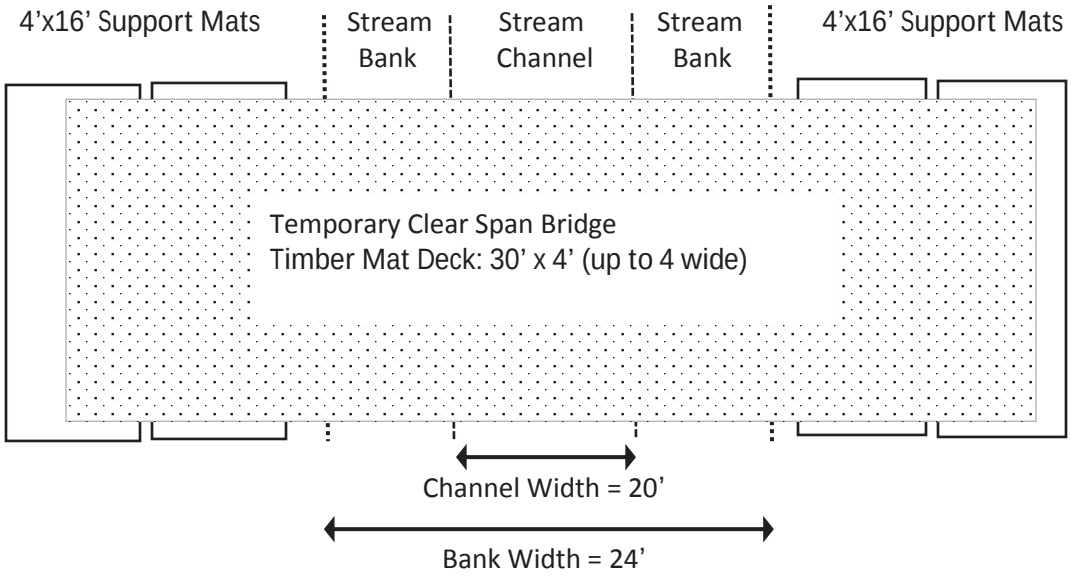
Depth of Water = 1'
Height of Bank = 5'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

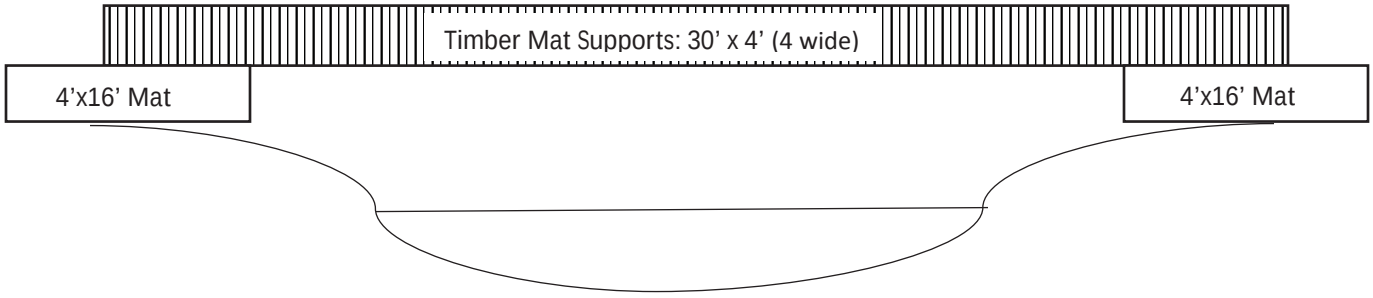
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R25
Nearest Structure: 137006

Plan View



Cross Sectional View



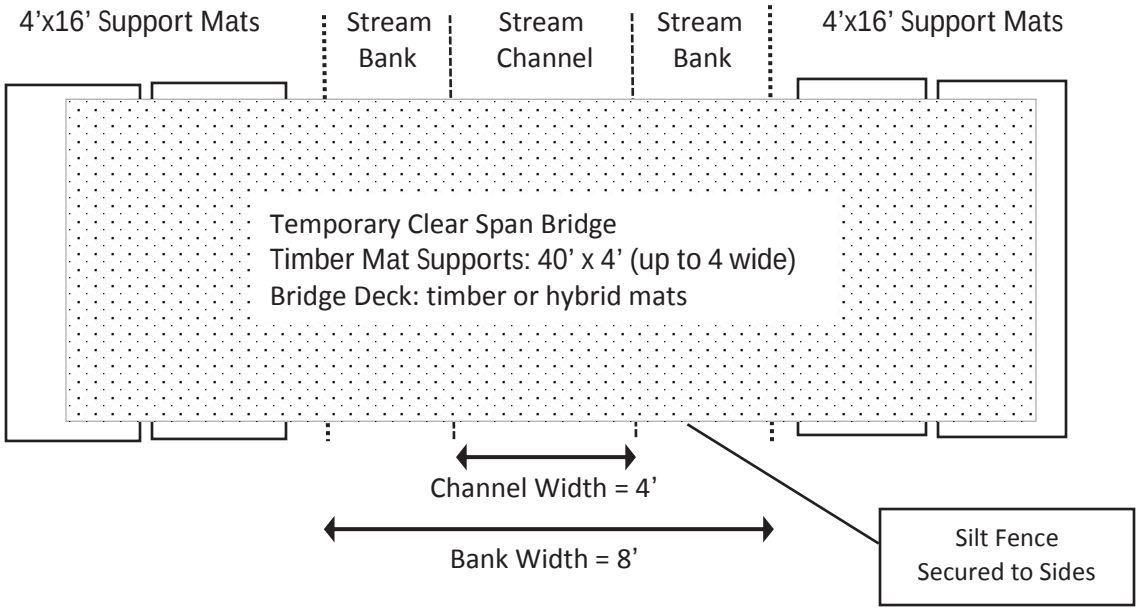
Depth of Water = 2'
Height of Bank = 3'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

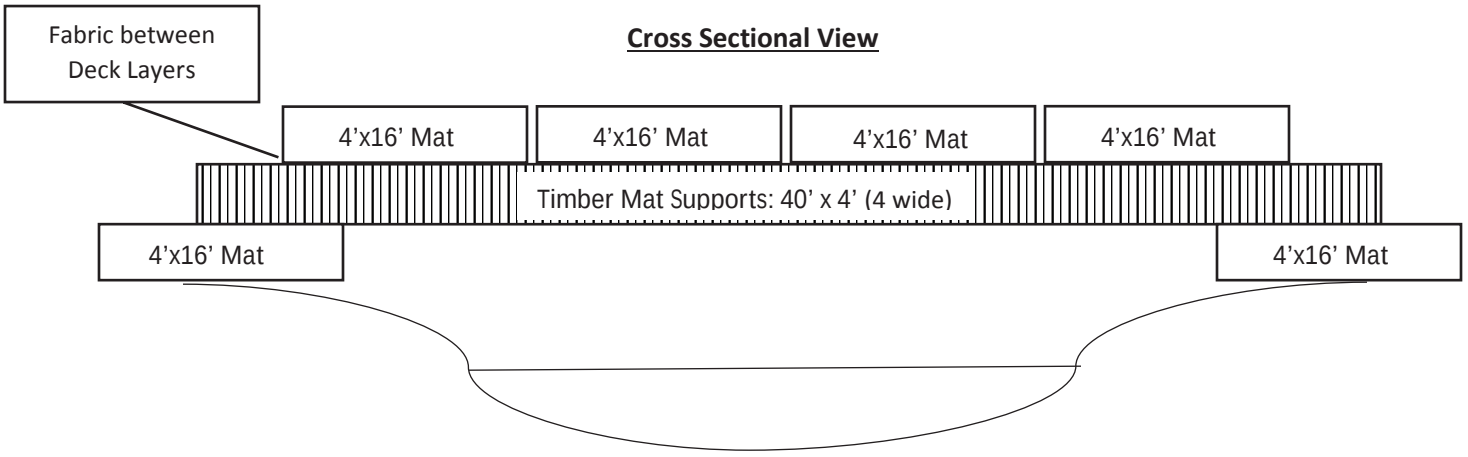
Badger Coulee
Temporary Clear Span Bridge Typical Drawing

Segment: 7
Waterway: N-R27b
Nearest Structure: 137013

Plan View



Cross Sectional View

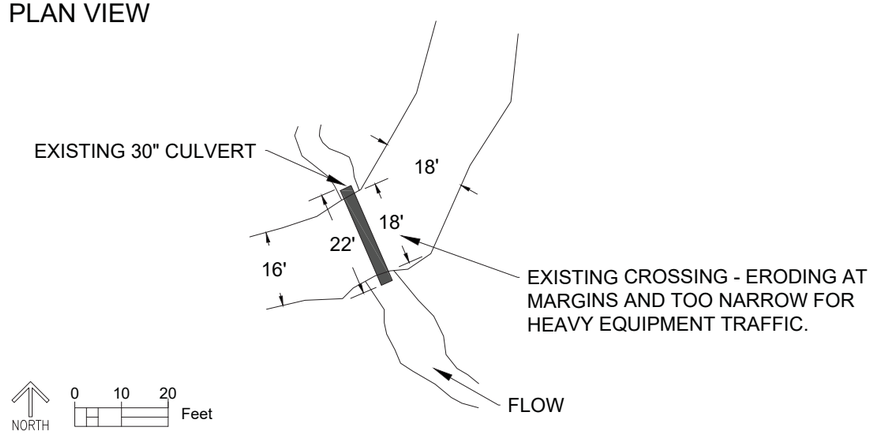


Depth of Water = 3"
Height of Bank = 2'

- Drawings are not to scale
- TCSB will be secured to a fixed anchor
- Sediment Controls: Silt fence shall be attached to the bridge sides and fabric laid between the deck layers.

LOCATION MAP

PLAN VIEW



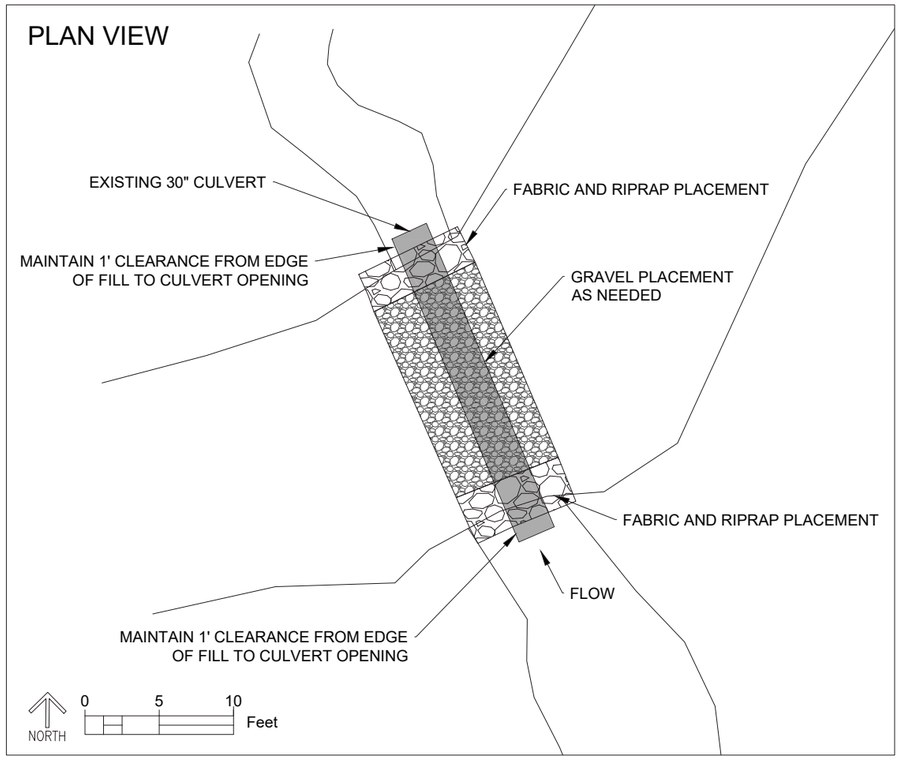
EXISTING CONDITIONS

EXISTING INLET

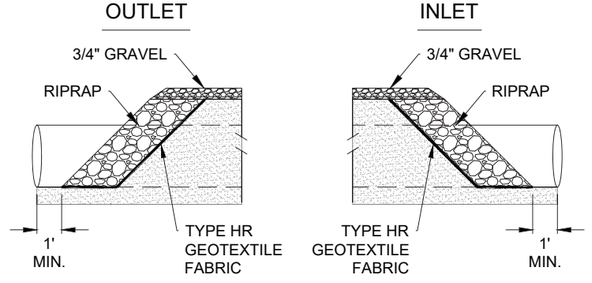
EXISTING OUTLET

PROPOSED REPAIR

PLAN VIEW



CROSS-SECTIONS



ESTIMATED RIPRAP QUANTITY: 3 CUBIC YARDS
ESTIMATED RIPRAP BELOW OHWM: 2 CUBIC YARDS

REPAIR PROCEDURE

1. COVER FAILING ROADWAY SLOPES WITH TYPE HR GEOTEXTILE FABRIC.

2. PLACE 3-12" ANGULAR RIPRAP ABOVE FABRIC STARTING 1' FROM END OF CULVERT. FILL FROM EXISTING GROUND TO ROADWAY, MAINTAINING MAXIMUM H:V SIDE SLOPE OF 2:1. IF 2:1 H:V IS NOT POSSIBLE GIVEN CULVERT LENGTH AND DESIRED ROADWAY WIDTH, USE EXTRA-HEAVY RIPRAP (12" OR GREATER).

3. MAINTAIN 1' OF COVER ABOVE THE HDPE CULVERT IN THE INTENDED DRIVING SURFACE TO AVOID FAILURE.

4. ADD GRAVEL TO NON-RIPRAPPED AREAS (MAIN DRIVING SURFACE) AS NEEDED FOR REPAIRS OR TO MAINTAIN 1' COVER.

DRAWN BY	CHECKED BY
NGH	BRN

NO.	REVISION / ISSUE	DATE

MONTGOMERY ASSOCIATES:
RESOURCE SOLUTIONS, LLC
119 SOUTH MAIN ST
COTTAGE GROVE, WI 53527
www.mas-rs.org

Roadway Repair above Existing Culvert

BADGER COULEE SEGMENT 7
Town of Albion
Jackson County, WI
American Transmission Company

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE
0 ½ 1

SCALE: Varies

PROJECT NO.	DATE
1692-003	5/1/2017

SHEET NO.
N/A

P:\1692 - Stantec\1692-003 - T3 Transmission Line Erosion Control Seg 2-8\Segment 7\Drawings\Culvert Enhancement.dwg

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

Appendix E

Photographs of Waterways Requiring a Navigability Decision

Appendix E. Photographs of Waterways Requiring a Navigability Concurrence - Chronological from West to East

Photo 01. Feature E of STR 136957; vSE. Aug 2016

Photo 02. Feature E of STR 136959; vNE. Aug 2016

Photo 03. Feature E of STR 136969; vSE. Aug 2016

Photo 04. Feature E of STR 137043; vSW. July 2016

Appendix E. Photographs of Waterways Requiring a Navigability Concurrence - Chronological from West to East

Photo 05. Feature W of STR 137049; vS. July 2016

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

Appendix F

Approved Waivers of Seasonal Limitations for TCSBs

Stantec Consulting Services Inc.
209 Commerce Parkway, PO Box 128, Cottage Grove WI 53527-8955

May 16, 2017
File: 193700132

Attention: Mr. Dan Hatleli

Fisheries Biologist – Trempealeau and Jackson Counties
Wisconsin Dept. of Natural Resources
910 Highway 54 E
Black River Falls, WI 54615

Dear Mr. Hatleli,

Reference: Request for Seasonal Waivers – TCSB Construction and Rip-Rap Placement
Badger Coulee 345 kV Transmission Line Project, Segment 7
Utility Permit #IP-WC/SC-2015-N20001through N20273

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) (the Applicants) respectfully requests your review and consideration of granting waivers for the seasonal restrictions normally associated with construction and removal of twelve temporary clear span bridges (TCSB), and the placement of rip-rap within a waterway, along Segment 7 of the Badger Coulee 345 kV Transmission Line Project. Completed Waiver Request Forms are attached for your convenience.

Construction activities along Segment 7 of this project are preliminarily scheduled to begin in August 2017 and extend through approximately May 2018. Restoration will follow during the 2018 spring/summer months, and the bridges will be removed once restoration is complete. During this time, the Applicant's contractor will need to construct and utilize twelve TCSBs within Trempealeau and Jackson Counties as outlined in Table 1. Permanent rip-rap placement on the banks and below the OHWM of Squaw Creek will also be required during this period. The rip-rap is needed to widen and stabilize an existing culverted crossing for an off-ROW access path.

Eight of the twelve TCSBs have received a Ch. 30 permit from the Department, permit approval for the other four TCSBs and the rip-rap placement has recently been requested of the WDNR. Characteristics of these waterways are listed in Table 1 and their locations are indicated on the attached figure. Photographs of each feature are also attached. All of these waterways are classified as either trout streams or navigable tributaries to trout streams.

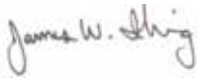
Reference: Request for Seasonal Waivers – TCSB Construction and Rip-Rap Placement
Badger Coulee 345 kV Transmission Line Project, Segment 7
Utility Permit #IP-WC/SC-2015-N20001through N20273

Seasonal waivers are being requested to reduce limitations on the contractor and maximize flexibility so the contractor will be able to adequately address construction limitations in the most sensitive areas of the project.

Should you have questions or concerns, please feel free to contact me at (608) 839-2012.

Regards,

STANTEC CONSULTING SERVICES INC.



James W. Ihrig
Principal, Environmental Services
Phone: (608) 839-2012
Jim.Ihrig@stantec.com

Attachment: Table, waiver request forms, figures

c. Nayo Parrett, ATC and Ben Callan, WDNR

Table 1. Waterways For Which a Waiver of Seasonal Restrictions is Requested
Segment 7 - Badger Coulee 345 kV Tranmission Line Project

Permit #IP-WC/SC-2015-	Stream Designation	Waterway (UnNamed Tributary)	Appears on WDNR 24K hydro layer? (Y/N)	Location						Morphometry
				County	Town	T / R	QQ	Q	Sect.	
---	N-R14a	UNT to Trempealeau River	Y	Trempealeau	Preston	21N / 7W	SW NW	SW NW	11 14	water depth = 0.25 ft bank height = 1 ft top of bank width = 4 ft
---	N-R14b	UNT to Trempealeau River	Y	Trempealeau	Preston	21N / 7W	SW	SW	11	water depth = 0.5 ft bank height = 2 ft top of bank width = 28 ft
---	N-R15a	UNT to Trempealeau River	N	Trempealeau	Preston	21N / 7W	SE	SE	11	water depth = 0.5 ft bank height = 2 ft top of bank width = 5 ft
---	N-R16c	UNT to Trempealeau River	N	Trempealeau	Preston	21N / 7W	NW	NE	13	water depth = <0.1 ft bank height = 2 ft top of bank width = 3 ft
N20041	N-R20a	UNT to Trempealeau River	Y	Jackson	Springfield	21N / 6W	SE SW	NW NW	18	water depth = 0.75 ft bank height = 5 ft top of bank width = 16 ft
N20043	N-R21	UNT to Trempealeau River	Y	Jackson	Springfield	21N / 6W	SE	NE	18	water depth = 0.5 ft bank height = 3 ft top of bank width = 20 ft
N20047	N-R22	UNT to Skutley Creek	Y	Jackson	Springfield	21N / 6W	SW	NE	17	water depth = 0.5 ft bank height = 4 ft top of bank width = 16 ft
N20049	N-R22a	UNT to Skutley Creek	N	Jackson	Springfield	21N / 6W	SE	NE	17	water depth = 0.25 ft bank height = 2 ft top of bank width = 8 ft
N20051	N-R22b	UNT to Skutley Creek	N	Jackson	Springfield	21N / 6W	SW	NW	16	water depth = 0.25 ft bank height = 0.5 ft top of bank width = 4 ft
N20052	N-R23	Skutley Creek	Y	Jackson	Springfield	21N / 6W	SW	NW	16	water depth = 1 ft bank height = 5 ft top of bank width = 20 ft

Table 1. Waterways For Which a Waiver of Seasonal Restrictions is Requested
Segment 7 - Badger Coulee 345 kV Tranmission Line Project

Permit #IP-WC/SC-2015-	Stream Designation	Waterway (UnNamed Tributary)	Appears on WDNR 24K hydro layer? (Y/N)	Location						Morphometry
				County	Town	T / R	QQ	Q	Sect.	
N20056	N-R25	French Creek	Y	Jackson	Springfield	21N / 6W	SW	NW	14	water depth = 2 ft bank height = 3 ft top of bank width = 24 ft
N20060	N-R27b	UNT to French Creek	Y	Jackson	Springfield	21N / 6W	NW SW	NW NW	13	water depth = 0.25 ft bank height = 2 ft top of bank width = 8 ft
---	N-R28a	Squaw Creek	Y	Jackson	Albion	21N / 5W	SE	SW	11	water depth = 2 ft bank height = 3-4 ft top of bank width = 10-20 ft

WAIVER REQUEST FORMS

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW NW ¼, SW NW ¼, Section 11 14, Town 21 N, Range 7 W

Name of Waterbody: N-R14a (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, SW ¼, Section 11, Town 21 N, Range 7 W

Name of Waterbody: N-R14b (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, SE ¼, Section 11, Town 21 N, Range 7 W

Name of Waterbody: N-R15a (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: NW ¼, NE ¼, Section 13, Town 21 N, Range 7 W

Name of Waterbody: N-R16c (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE SW ¼, NW NW ¼, Section 18, Town 21 N, Range 6 W

Name of Waterbody: N-R20a (UNT to Trempealeau River)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, NE ¼, Section 18, Town 21 N, Range 6 W

Name of Waterbody: N-R21 (UNT to Trempealeau River)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NE ¼, Section 17, Town 21 N, Range 6 W

Name of Waterbody: N-R22 (UNT to Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, NE ¼, Section 17, Town 21 N, Range 6 W

Name of Waterbody: N-R22a (UNT to Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NW ¼, Section 16, Town 21 N, Range 6 W

Name of Waterbody: N-R22b (UNT to Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NW ¼, Section 16, Town 21 N, Range 6 W

Name of Waterbody: N-R23 (Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NW ¼, Section 14, Town 21 N, Range 6 W

Name of Waterbody: N-R25 (French Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: NW SW ¼, NW NW ¼, Section 13, Town 21 N, Range 6 W

Name of Waterbody: N-R27b (UNT to French Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, SW ¼, Section 11, Town 21 N, Range 5 W

Name of Waterbody: N-R28a (Squaw Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

_____ _____

Department Fisheries Biologist Date

FIGURES

PHOTO LOG

Photo-1
Date: February 2017
Location: N-R14a which is also representative of N-R14b (UNT to Trempealeau River), view south.

Photo-2
Date: April 2012
Location: N-R15a (UNT to Trempealeau River), from Pictometry.

Photo-3
Date: February 2017
Location: N-R16c (UNT to Trempealeau River), view east.

Photo-4
Date: August 2016
Location: N-R20a (UNT to Trempealeau River), view east.

PHOTO LOG	
	
Photo-5 **Date:** August 2016 **Location:** N-R21 (UNT to Trempealeau River), view north.	**Photo-6** **Date:** August 2016 **Location:** N-R22 (UNT to Skutley Creek), view north.
	
Photo-7 **Date:** August 2016 **Location:** N-R22a (UNT to Skutley Creek), view north.	**Photo-8** **Date:** August 2016 **Location:** N-R22b (UNT to Skutley Creek), view of overgrown channel.

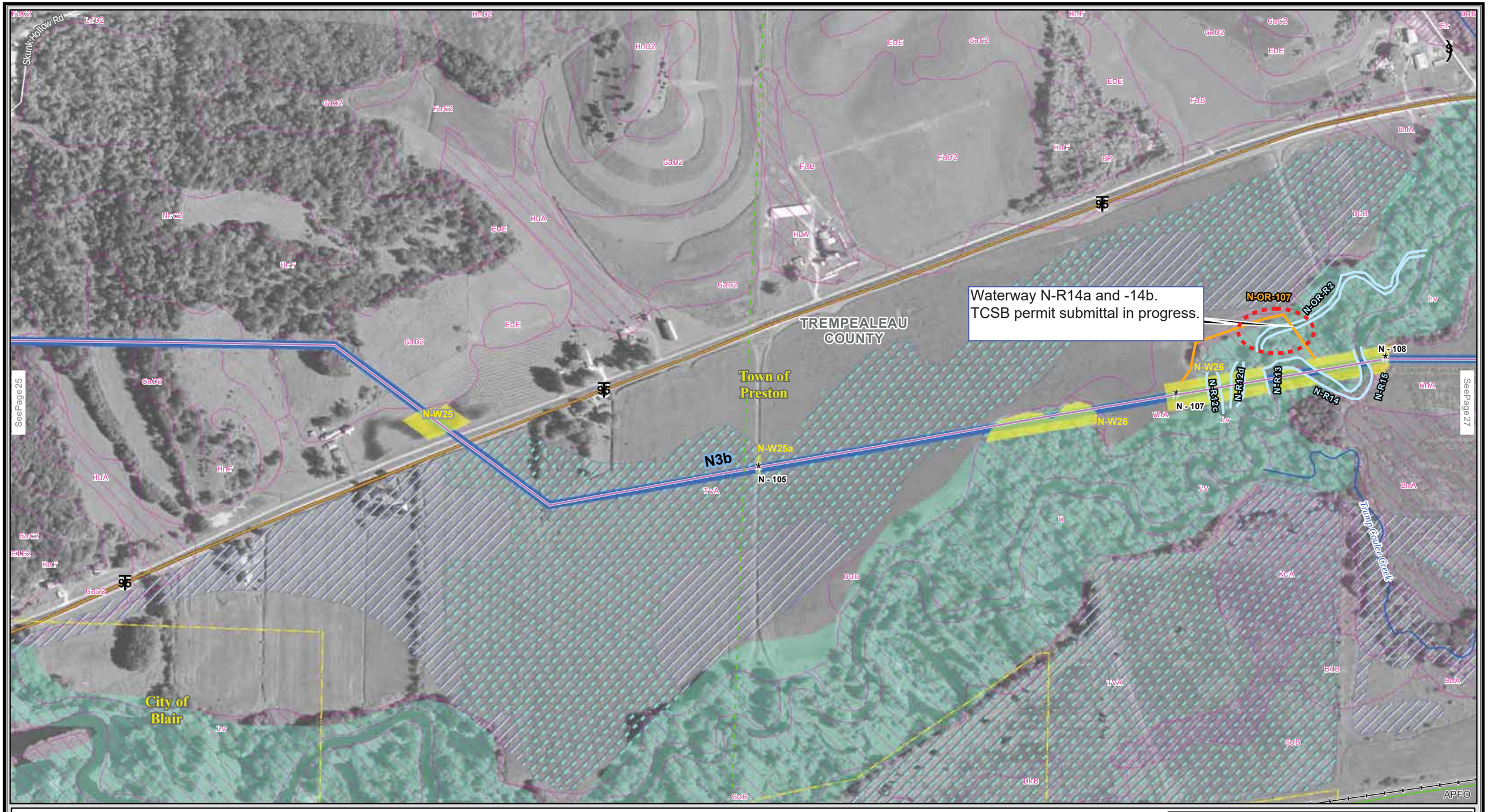
PHOTO LOG

Photo-9
Date: August 2016
Location: N-R23 (Skutley Creek), view south.

Photo-10
Date: August 2016
Location: N-R25 (French Creek), view south.

Photo-11
Date: August 2016
Location: N-R27b (UNT to French Creek), view north.

Photo-12
Date: March 2017
Location: N-R28a (Squaw Creek), view southwest.



STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES
- Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES
- Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery along routes: ATC, Spring 2012 and 2013. Outer Imagery NAIP 2010.

PROJECT RELATED DATA

N1 Segment N — Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)

Segment O — Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)

- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA
- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions
- SaA → Soil Mapping Unit

WETLANDS
- Delineated Wetlands
- Area A → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- ElKa → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- Area A → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

0 200 400 Feet

APPENDIX A FIGURE 4A
ENVIRONMENTAL FEATURE AND ACCESS PLAN
Northern Route - Segment N
BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A026	PAGE 026 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE

Waterway N-R15a (boundary not shown). TCSB permit submittal in progress.

Waterway N-R16c (boundary not shown). TCSB permit submittal in progress.

N3b

N-W26 N-W27 N-W28 N-W28 N-W28

N - 112 N - 113 N - 114 N - 115

N-R16 N-R17 N-R18

N-OR-R2 N-OR-108 N-OR-114 N-OR-116b N-OR-116a

Town of Preston

TREMPEALEAU COUNTY

Trump Coulee Creek

Turri Coulee Ln

S River Rd

Quarne Rd

See Page 26

See Page 28

STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES
- Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES
- Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery along routes: ATC, Spring 2012 and 2013. Outer Imagery NAIP 2010.

PROJECT RELATED DATA

N1 Segment N — Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)

Segment O — Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)

- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA
- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions
- SaA → Soil Mapping Unit

WETLANDS
- Delineated Wetlands
- Area A → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- ElKo → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- Area A → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

0 200 400 Feet

0 1,000 2,000 Feet

APPENDIX A FIGURE 4A ENVIRONMENTAL FEATURE AND ACCESS PLAN Northern Route - Segment N

BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A027	PAGE 027 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE

Waterway N-R20a. TCSB Permit # IP-WC/SC-2015-N20041

N-115 | N-116 | N-117 | N-118 | N-122

N-W28 | N-W29 | N-W30 | N-W32 | N-W32a

N-OR-116a | N-OR-116b | N-OR-116a

N-R20a | N-R20b

N3b

Blair Rd | S River Rd | River Rd | Rabbit Run Rd | S River Rd

Town of Preston

JACKSON COUNTY

Town of Springfield

TREMPEALEAU COUNTY

SeePage 27

SeePage 29

STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES
- # Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES
- # Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

PROJECT RELATED DATA

N1 Segment N — Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)

Segment O — Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)

- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA
- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions

SaA → Soil Mapping Unit

WETLANDS
- Delineated Wetlands
- AreaA → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- ElKa → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- AreaA → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

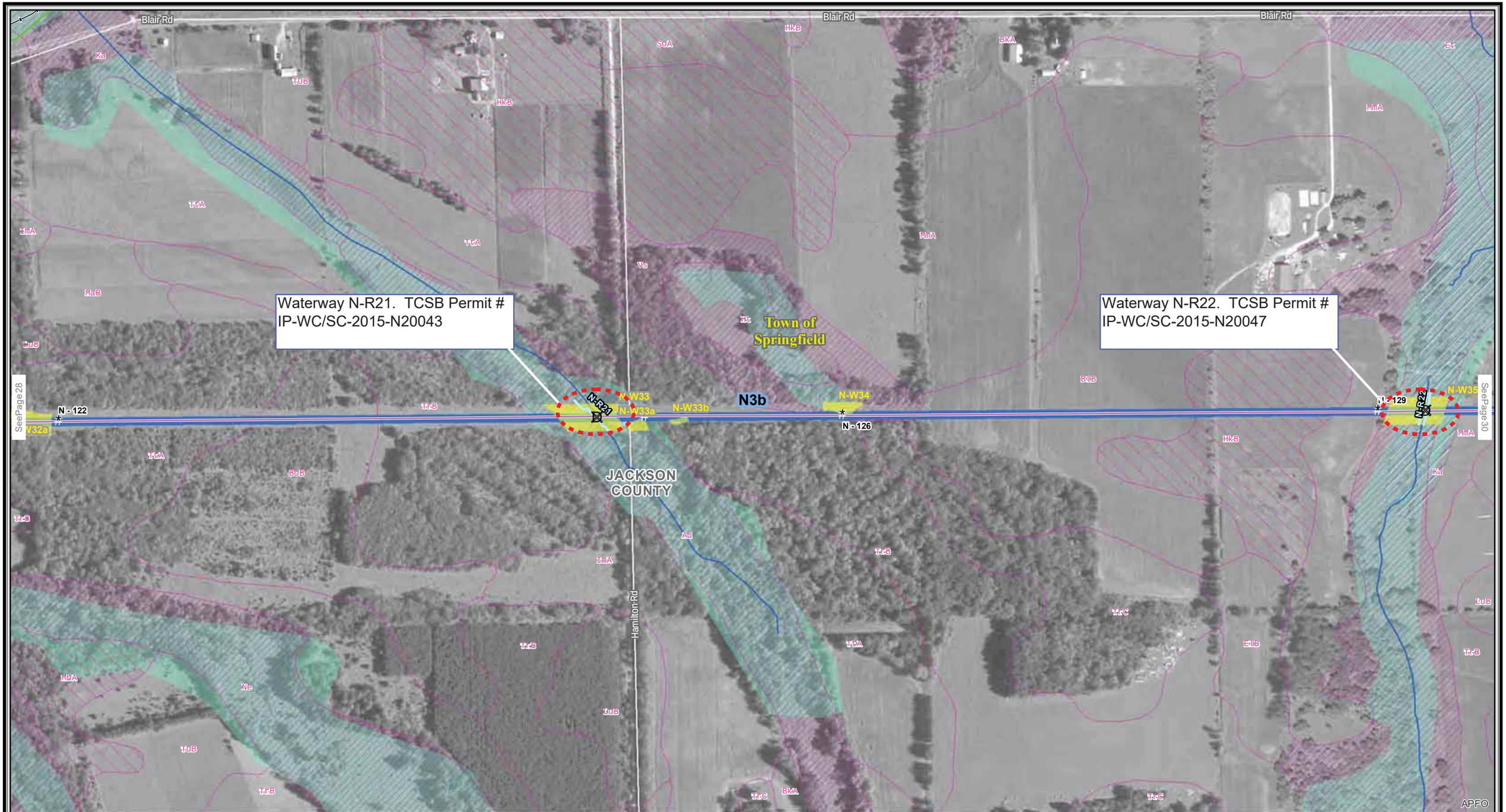
0 200 400 Feet

APFO

APPENDIX A FIGURE 4A
ENVIRONMENTAL FEATURE AND ACCESS PLAN
Northern Route - Segment N
BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A028	PAGE 028 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE



STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES

- # Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES

- # Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery along routes: ATC, Spring 2012 and 2013. Outer Imagery NAIP 2010.

PROJECT RELATED DATA

N1 Segment N — Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)

Segment O — Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)

- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA

- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions
- SaA → Soil Mapping Unit

WETLANDS

- Delineated Wetlands
- Area A → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- EtA → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- Area A → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

0 200 400 Feet

APPENDIX A FIGURE 4A ENVIRONMENTAL FEATURE AND ACCESS PLAN Northern Route - Segment N

BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A029	PAGE 029 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE

STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES
- Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES
- Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery along routes: ATC, Spring 2012 and 2013. Outer Imagery NAIP 2010.

PROJECT RELATED DATA

N1 – Segment N: Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)

Segment O: Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)

- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA
- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions
- SaA → Soil Mapping Unit

WETLANDS
- Delineated Wetlands
- Area A → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- EKa → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- Area A → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

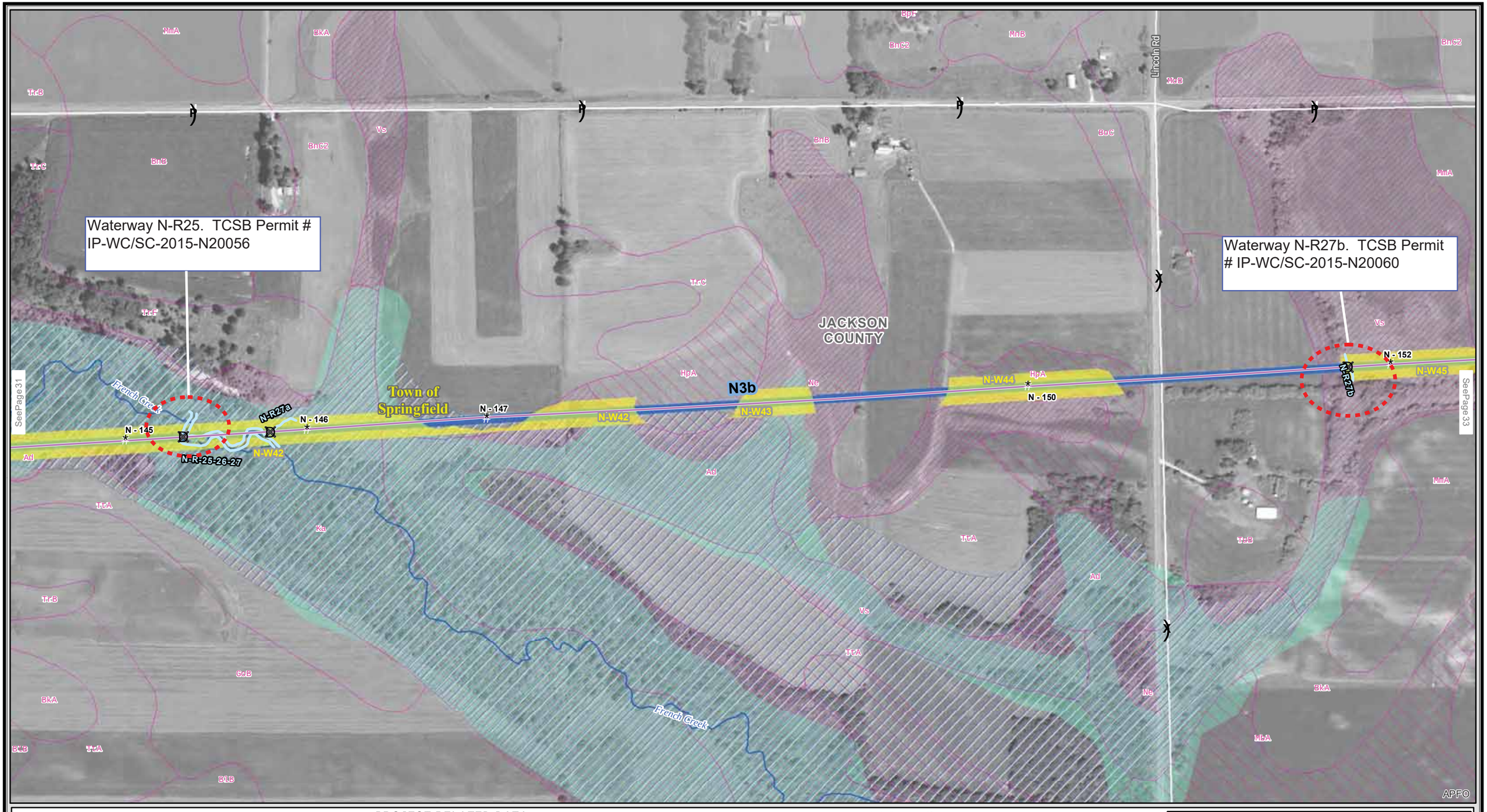
0 200 400 Feet

APPENDIX A FIGURE 4A ENVIRONMENTAL FEATURE AND ACCESS PLAN Northern Route - Segment N

BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A030	PAGE 030 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE



STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES
- Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES
- Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery along routes: ATC, Spring 2012 and 2013. Outer Imagery NAIP 2010.

PROJECT RELATED DATA

N1
- Segment N — Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)
- Segment O — Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)
- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA
- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions
- SaA → Soil Mapping Unit

WETLANDS
- Delineated Wetlands
- AreaA → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- EIKa → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- AreaA → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

0 200 400 Feet

APPENDIX A FIGURE 4A
ENVIRONMENTAL FEATURE AND ACCESS PLAN
Northern Route - Segment N
BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A032	PAGE 032 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE

Waterway N-R28a. Permit submittal for rip-rap placement in progress (for off-ROW access route).

JACKSON COUNTY

Town of Albion

N3b

N-W47

N-W48

N-R28a

N-R28

N-OR-184

Simonson Rd

Petes Rd

Stenulsen Rd

Pine Creek Rd E

See Page 36

See Page 38

APFO

STATE PRIORITY CORRIDORS

EXISTING ATC OR XCEL TRANSMISSION LINES

- # Substation
- 69 kV
- 69 kV Underground
- 138 kV
- 161 kV
- 345 kV

OTHER EXISTING TRANSMISSION LINES

- # Substation
- 69 kV
- 161 kV

Approved Hampton-Rochester-La Crosse 345 kV Transmission Project

- Interstate, US or State Highway
- Approximate Gas Pipeline
- Railroad
- State/County Trail

The information presented in this map document is advisory and is intended for reference purposes only. Applicants' owned and operated facility locations are approximate. Data Sources: ATC, WDNR, WDOT, PSCW, FAA, Xcel Energy, DPC, County LIOs, MVC, NHLT, NRCS, WI DHS, WI DCF. Imagery along routes: ATC, Spring 2012 and 2013. Outer Imagery NAIP 2010.

PROJECT RELATED DATA

N1 Segment N — Northern Route (Segments A, D, E, G, H, J, K, M, N, P, P-East)

Segment O — Southern Route (Segments B-North, B, C, F, G, I, J, L, M, O)

- Sub-Segment Node
- Route Segment ID
- Sub-Segment ID

* Conceptual Pole Locations in or Within 50' of a Wetland*

* Proposed Poles are APPROXIMATE and are subject to change. Final pole placement will not be determined until detailed engineering is complete for the ordered route.

- Off Right-of-Way Construction Access
- Briggs Road Substation

NRCS SOIL SURVEY DATA

- Non-Hydric Soils
- Hydric Soils
- Possible Hydric Inclusions
- SaA → Soil Mapping Unit

WETLANDS

- Delineated Wetlands
- AreaA → Wetland ID
- 100 Year Floodplain
- 500 Year Floodplain
- WI Wetland Inventory
- ElKa → Wetland Code

- Temporary Clear Span Bridge
- Delineated Waterway
- AreaA → Waterway ID
- WDNR Stream
- Open Water
- County Boundary
- City/Village/Town Boundary

F

0 200 400 Feet

APPENDIX A FIGURE 4A ENVIRONMENTAL FEATURE AND ACCESS PLAN Northern Route - Segment N

BADGER COULEE TRANSMISSION LINE PROJECT

OCTOBER 2013	MAP A4-A037	PAGE 037 OF 166

APPENDIX A FIGURE 4A-ENVIRONMENTAL FEATURES AND ACCESS PLAN NORTHERN ROUTE

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW NW ¼, SW NW ¼, Section 11 14, Town 21 N, Range 7 W

Name of Waterbody: N-R14a (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are (are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: Daniel C. Hatlet 7/18/17

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, SW ¼, Section 11, Town 21 N, Range 7 W

Name of Waterbody: N-R14b (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/(are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: David C. Hatleli 7/18/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, SE ¼, Section 11, Town 21 N, Range 7 W

Name of Waterbody: N-R15a (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/(are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: David C. Hatt 7/10/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: NW ¼, NE ¼, Section 13, Town 21 N, Range 7 W

Name of Waterbody: N-R16c (UNT to Trempealeau River)

County of Waterbody: Trempealeau

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/(are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: David C. Hatt 7/18/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE SW ¼, NW NW ¼, Section 18, Town 21 N, Range 6 W

Name of Waterbody: N-R20a (UNT to Trempealeau River)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/(are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: David C. Hatlo 7/18/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, NE ¼, Section 18, Town 21 N, Range 6 W

Name of Waterbody: N-R21 (UNT to Trempealeau River)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/(are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: David C. Hatt — 7/18/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NE ¼, Section 17, Town 21 N, Range 6 W

Name of Waterbody: N-R22 (UNT to Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/~~are not~~ (circle one) necessary to protect fish spawning for the proposed project and I ~~approve~~/disapprove (circle one) this waiver.

Signed by:

David C. Hatt — 7/18/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, NE ¼, Section 17, Town 21 N, Range 6 W

Name of Waterbody: N-R22a (UNT to Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are(are not) (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by:

David C. Hatle — 7/18/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NW ¼, Section 16, Town 21 N, Range 6 W

Name of Waterbody: N-R22b (UNT to Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by: David C. Heath 7/18/17

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NW ¼, Section 16, Town 21 N, Range 6 W

Name of Waterbody: N-R23 (Skutley Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/~~are not~~ (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by: David C. Hall 7/18/17

Department Fisheries Biologist Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SW ¼, NW ¼, Section 14, Town 21 N, Range 6 W

Name of Waterbody: N-R25 (French Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/(are not) (circle one) necessary to protect fish spawning for the proposed project and I (approve)/disapprove (circle one) this waiver.

Signed by: David C. Hall 7/19/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: NW SW ¼, NW NW ¼, Section 13, Town 21 N, Range 6 W

Name of Waterbody: N-R27b (UNT to French Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☐ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☒ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/~~are not~~ (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.

Signed by: David C. Hatt 7/10/17

Department Fisheries Biologist — Date

APPENDIX 1

Request for Waiver of Construction Season Limits in Waterway General Permits

This checklist shall be used to request a waiver from the time period restrictions and/or fish passage requirements for applicable projects that qualify for WDNR-GP12-2015. The completed waiver request may be submitted with the application where the applicant seeks a waiver from the applicable statewide general permit conditions that place fisheries based restrictions on the project. The signature of the Department Fisheries Biologist on this checklist only waives the time period and/or fish passage restrictions and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name: ATC; NSPW; DPC; SMMPA WI, LLC and WPPI Energy

Proposed Project: Badger Coulee 345 kV Transmission Line Project

Project Location: SE ¼, SW ¼, Section 11, Town 21 N, Range 5 W

Name of Waterbody: N-R28a (Squaw Creek)

County of Waterbody: Jackson

FOR DNR USE ONLY

The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, I find that:

- ☐ there is suitable habitat at or near the proposed project, or
- ☒ there may be an impact on spawning fish or spawning activities.

Or

- ☐ there is no suitable habitat at or near the proposed project, or
- ☐ there will be no impact on spawning fish or spawning activities.

Consequently, the time period restrictions of the applicable statewide general permit are/~~are not~~ (circle one) necessary to protect fish spawning for the proposed project and I ~~approve~~/disapprove (circle one) this waiver.

Signed by: David C. Hartley 7/18/17

Department Fisheries Biologist — Date

Parrett, Nayo

From: Parrett, Nayo <nparrett@atcllc.com>
Sent: Tuesday, July 18, 2017 3:24 PM
To: Ihrig, Jim; Marcus Anderson (manderson@henkels.com)
Subject: FW: Badger Coulee Transmission line project TCSB seasonal waiver request

FYI- see below.

From: Hatleli, Daniel C - DNR [mailto:Daniel.Hatleli@wisconsin.gov]
Sent: Tuesday, July 18, 2017 3:23 PM
To: Parrett, Nayo <nparrett@atcllc.com>
Cc: Callan, Benjamin S - DNR <Benjamin.Callan@wisconsin.gov>
Subject: RE: Badger Coulee Transmission line project TCSB seasonal waiver request

External Email - Use Caution

Thanks for the additional information. I approved all the TCSB waivers. However, since Squaw Creek is a Class I trout stream, I did not approve the rip-rap project waiver. I will scan and send the waiver forms shortly in another email. For the Squaw Creek rip-rap project, I would be willing to allow an extension of the construction time frame from May 1 to October 1, instead of May 15 to September 15.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Daniel C. Hatleli
Phone: (715) 284-1428
Daniel.Hatleli@Wisconsin.gov

> **From:** Parrett, Nayo [mailto:nparrett@atcllc.com]
> **Sent:** Tuesday, July 18, 2017 11:35 AM
> **To:** Hatleli, Daniel C - DNR
> **Cc:** Callan, Benjamin S - DNR
> **Subject:** RE: Badger Coulee Transmission line project TCSB seasonal waiver request
>
> Stream banks will not be modified for the installation of the TCSBs.
> Thanks,
> Nayo

> **From:** Hatleli, Daniel C - DNR [mailto:Daniel.Hatleli@wisconsin.gov]
> **Sent:** Friday, July 14, 2017 9:23 AM
> **To:** Parrett, Nayo <nparrett@atcllc.com>
> **Cc:** Callan, Benjamin S - DNR <Benjamin.Callan@wisconsin.gov>
> **Subject:** RE: Badger Coulee Transmission line project TCSB seasonal waiver request
>
> **External Email - Use Caution**
>
> Will there be any stream bank modifications required for installation of the clear span bridges?

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Daniel C. Hatleli
Phone: (715) 284-1428
Daniel.Hatleli@Wisconsin.gov

From: Parrett, Nayo [mailto:nparrett@atcllc.com]
Sent: Wednesday, July 12, 2017 4:15 PM
To: Hatleli, Daniel C - DNR
Cc: Callan, Benjamin S - DNR; Parrett, Nayo
Subject: Badger Coulee Transmission line project TCSB seasonal waiver request

Hello Daniel,
Attached please find ATC's request for a waiver of seasonal timing restrictions for TCSBs associated with the Badger Coulee Transmission Line Project. Let me know if you have questions or need additional information.

Thanks,
Nayo

Badger Coulee 345 kV Transmission Line Project

Segment 7 CMP

Appendix G

Project Wetland Impacts and Compensatory Mitigation Acres

Summary of Wetland Impacts and Compensatory Mitigation Acres - Segment 7

Badger Coulee 345 kV Transmission Line Project

Watershed (BSA)[1]	Wetland Cover Types[2]	Permanent Impacts (acre)[3]					Temporary Impacts (acre)[4]					Total Credits[5] Permanent + Temporary Impacts
		Structure Impacts [A]	Conversion [A]	Mitigation Ratio (structure)	Mitigation Ratio (conversion)	Total Credits Needed	Matting (ROW)	Matting (off-ROW)	Conversion (off-ROW)	Mitigation Ratio	Total Credits Needed	
Upper Mississippi - Black - Root (UMBR)	Farmed Wetland (Seasonally Flooded Basin)	0.002	na	1.45	na	0.003	na	na	na	na	0.000	0.00
	Sedge Meadow	0.004	na	1.45	na	0.006	0.422	0.000	na	0.25	0.106	0.11
	Wet Meadow (Degraded)	0.022	na	1.45	na	0.032	na	na	na	na	0.000	0.03
	Shrub-Carr	0.000	0.209	1.45	0.50	0.105	na	na	0.000	0.25	0.000	0.10
	Alder Thicket	0.000	0.319	1.45	0.50	0.160	na	na	0.000	0.25	0.000	0.16
	Hardwood Swamp	0.000	0.154	1.45	0.50	0.077	na	na	0.000	0.25	0.000	0.08
	TOTAL	**0.028**	**0.682**	**na**	**na**	**0.382**	**0.422**	**0.000**	**0.000**	**na**	**0.106**	**0.49**

Notes/Assumptions:

1 Bank Service Areas are based on Guidelines for Wetland Compensatory Mitigation in Wisconsin, Version 1, August 2013.

2 Wetland cover types are based on Eggers and Reed, 2011, Wetland Plants and Plant Communities of Minnesota and Wisconsin, Third Edition.

3 Permanent wetland impacts include transmission structure placement in wetlands and permanent conversion of shrub or forested wetlands.

4 Mitigation is required for temporary matting within high-quality or difficult to replace (DTR) herbaceous wetlands, specifically non-degraded sedge meadow.

5 It is anticipated that a combination of the ILF program and wetland mitigation banking will be used for mitigation. Total wetland credits are based on replacement ratios of 0.25:1 for temporary matting of non-degraded sedge meadow, 1.45:1 for permanent structure impacts, and 0.5:1 for permanently converted shrub and forested wetlands. Total credits are rounded to the nearest 0.01, as this is the minimum amount of credits that can be purchased.

A Impact acreages provided by Stantec Consulting Services Inc.