

Utility Permitting in WisDOT Right-of-Way

Kathy Jennings, WisDOT



Today's Topics

- Utility Permits & Accommodation Policy
 - Website
- WisDOT organization
 - Who issues utility permits
 - Webpage, map
- Permit requirements and the DT1553
 - 5Ws and H
 - How to fill out the form
 - What needs to be included with the application
 - Location requirements





State of Wisconsin
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News at WisDOT

- Interested in serving as a State Patrol trooper or inspector? [Apply now](#). The application deadline is March 31, 2019.
- Drivers should be alert to Wisconsin variable winter weather conditions. [Check 511](#) and know before you go.
- This month's cover photo is of the Wisconsin and Southern Bridge 398, which crosses the Baraboo River in Rock Springs, Sauk County. Wisconsin's 3,300 miles of railroad track are an important part of the state's freight system.

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Utility permits



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[Wisconsin Department of Transportation Utility permits](https://wisconsindot.gov/Pages/doing.../permits/utility-highway.aspx)

<https://wisconsindot.gov/Pages/doing.../permits/utility-highway.aspx>

Policy | Apply for permit | DT1553 | **Utility permit** contacts | Subscribe for updates ... **Utility permits** are required to construct, operate or maintain a utility facility on ...

[Wisconsin Department of Transportation Utility permits on WisDOT ...](https://wisconsindot.gov/Pages/doing.../permits/utility-railroad.aspx)

<https://wisconsindot.gov/Pages/doing.../permits/utility-railroad.aspx>

Photo Credit: Mark W. Hintz. For **utility** work on WisDOT railroad property, a **permit** is required under Trans 29. Fill out and submit form DT2036, ...

 [DTSD WisDOT Utility-Permit Coordinators](https://wisconsindot.gov/dtsdManuals/utility/dtsd-utilcoord.pdf)

<https://wisconsindot.gov/dtsdManuals/utility/dtsd-utilcoord.pdf>

File Format: PDF/Adobe Acrobat

WisDOT **UTILITY** COORDINATORS. Click on linked name to send an email to **utility** coordinators. Updated: 2/4/2019. Region. Name. Title and Other Duties.



Utility permits

State ROW permits

Highway maintenance

State ROW permits

ATVs/UTVs

Utility permits

Utility accommodation
policy

Utility coordination

STH connection permits

Work on highway ROW
permits

Utility permits on
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property

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coordination

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Utility permits are required to construct, operate or maintain a utility facility on state trunk highway (STH) right of way. This includes, but is not limited to:

- Gas/oil
- Electric
- Telecommunications, including CATV
- Cellular
- Fiber optics
- Water, including permanent irrigation lines
- Storm sewers not related to highway drainage
- Sanitary sewers, including permanent animal waste pipes
- Private facilities (non-public use/ownership)

WisDOT has a comprehensive Utility Accommodation Policy (UAP) that regulates the construction, operation and maintenance of utility facilities on all highways under WisDOT's jurisdiction. The UAP details the requirements necessary to obtain a permit. Once approved, the permit remains in effect as long as the facility is operated and maintained according to permit conditions and the UAP.

Utility Accommodation Policy

The UAP is part of the Highway Maintenance Manual (HMM) and its format resembles other WisDOT documents such as the Facilities Development Manual and Construction Materials Manual. This should allow for easier web searches involving all WisDOT manuals.

The HMM format places the UAP under Chapter 9, Right of Way Use & Permits, Section 15, Utility Accommodation. A complete list and links to all of the procedures is available at:

- [HMM 09-15-00](#)

Revisions to individual procedures are also listed at this site.

[Apply for a utility permit](#)



Apply for a utility permit



Fill out form DT1553 and submit it along with the appropriate plans, drawings or other details to the  [transportation region office](#) responsible for the county where the utility project will be located. For faster permit application processing, submit all materials electronically via email, or for larger files, a file transfer protocol (FTP) site. If you do not have access to an FTP site, WisDOT can provide one. Submit the permit form as a Word document with an electronic (typed) signature instead of scanning it. Supporting materials should be in PDF format. You may also submit the application and supporting materials by regular mail. If you do this, the application must be filled out in ink.

Form DT1553

Form DT1553, *Application/permit to construct, operate and maintain utility facilities on highway right-of-way*, is available by clicking on either link below. If you need instructions on how to fill out the form, choose DT1553i. If you need a Word 97-2003 version of the form, contact the region office.

-  [DT1553](#)
-  [DT1553i](#) (form instructions)

Questions

Direct questions regarding specific utility permit issues or requests to the  [transportation region office](#). 

For questions on WisDOT's Utility Accommodation Policy and forms, contact:

Bob Fasick

Wisconsin DOT

Bureau of Highway Maintenance

4822 Madison Yards Way, 5th Floor South

Madison, WI 53705

[\(608\) 266-3438](tel:6082663438)

robert.fasick@dot.wi.gov



NORTHWEST REGION

Utility permits general email
nwutilitypermits@dot.wi.gov
▶ Meagan Kersten (all three offices)
715-395-3031

Superior Office
1701 N 4th St
Superior, WI 54880

Spoooner Office
W7102 Green Valley Rd
Spoooner, WI 54801

Eau Claire Office
718 W Clairemont Ave
Eau Claire, WI 54701

La Crosse Office
3550 Mormon Coulee Rd
La Crosse, WI 54601

SOUTHWEST REGION
Utility permits general email
swutilitypermits@dot.wi.gov
▶ Noah DuFoe-Guiles (both offices)
608-246-5629

Rhineland Office
510 N Hanson Lake Rd
Rhineland, WI 54501
▶ Dan Hunter
715-420-6420

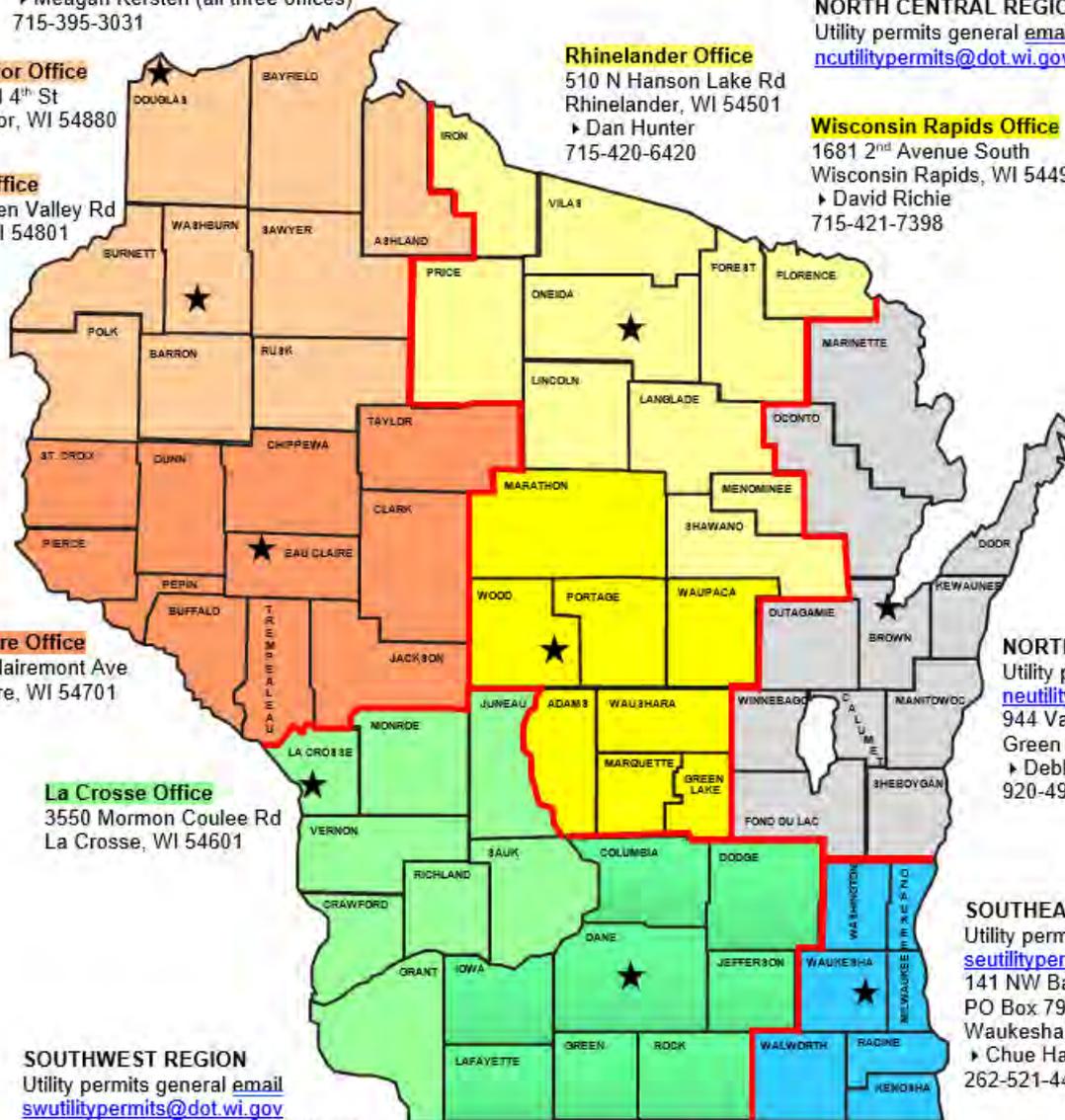
NORTH CENTRAL REGION
Utility permits general email
ncutilitypermits@dot.wi.gov

Wisconsin Rapids Office
1681 2nd Avenue South
Wisconsin Rapids, WI 54495
▶ David Richie
715-421-7398

NORTHEAST REGION
Utility permits general email:
neutilitypermits@dot.wi.gov
944 Vanderperren Way
Green Bay, WI 54304
▶ Debbie Sassen
920-492-5988

SOUTHEAST REGION
Utility permits general email
seutilitypermits@dot.wi.gov
141 NW Barstow St
PO Box 798
Waukesha, WI 53187
▶ Chue Hang
262-521-4461

Madison Office
2101 Wright St
Madison, WI 53704



WEB

2.0 WisDOT Utility Permit Staff Directory – Statewide Listing

Name / Position	Phone ¹	County Number and Coverage		
SOUTHWEST REGION: Madison Office 2101 Wright St, Madison, WI 53704-2583				
Noah DuFoe-Guiles Permit coordinator	608-246-5629	11 Columbia 23 Green 33 Lafayette	13 Dane 25 Iowa 53 Rock	14 Dodge 28 Jefferson 56 Sauk
SOUTHWEST REGION: La Crosse Office 3550 Mormon Coulee Rd, La Crosse, WI 54601-6767				
Noah DuFoe-Guiles Permit coordinator	608-246-5629	12 Crawford 32 La Crosse 62 Vernon	22 Grant 41 Monroe	29 Juneau 52 Richland
Send permit applications to: SW Utility Permits Unit General Email: swutilitypermits@dot.wi.gov				
SOUTHEAST REGION 141 NW Barstow St, PO Box 798, Waukesha, WI 53187-0798				
Chue Hang Permit engineer	262-521-4461	30 Kenosha 51 Racine 67 Waukesha	40 Milwaukee 64 Walworth	45 Ozaukee 66 Washington
Send permit applications to: SE Utility Permits Unit General Email: seutilitypermits@dot.wi.gov				
NORTHEAST REGION 944 Vanderperren Way, Green Bay, WI 54304-0080				
Debbie Sassen Permit coordinator	920-492-5988	5 Brown 20 Fond du Lac 38 Marinette 59 Sheboygan	8 Calumet 31 Kewaunee 42 Oconto 70 Winnebago	15 Door 36 Manitowoc 44 Outagamie
Send permit applications to: NE Utility Unit General Email: neutilitypermits@dot.wi.gov				
NORTH CENTRAL REGION: Wisconsin Rapids Office 1681 2 nd Ave South, Wisconsin Rapids, WI 54495-8021				
David Richie Permit coordinator	715-421-7398	1 Adams 39 Marquette 69 Waushara	24 Green Lake 49 Portage 71 Wood	37 Marathon 68 Waupaca
NORTH CENTRAL REGION: Rhinelander Office 510 N Hanson Lake Rd, Rhinelander, WI 54501				
Daniel (Dan) Hunter Permit coordinator	715-420-6420	19 Florence 34 Langlade 50 Price 72 Menominee	21 Forest 35 Lincoln 58 Shawano	26 Iron 43 Oneida 63 Vilas



Region v. Central Office permit issuance

- Region offices issue most permits
- Bureau of Highway Maintenance issues permits for:
 - Expedited service connections (ESCPs)
 - NOT individual requests for service
 - The longitudinal occupation of interstates, freeways, and freeway/expressway mixes (hybrids) [HMM 09-15-40](#)
 - Communications, electric transmission
 - All longitudinal installations of private utility facilities
 - All installations not in conformance with or exceptions to the utility accommodation policy
 - The last two items also require FHWA approval



Permit requirements: The **5Ws** and **H**



Permit requirements: **How?**

- Use form DT1553:

Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way



**APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY
RIGHT-OF-WAY (continued)**

Wisconsin Department of Transportation DT1553

Use this section to provide information that does not fit on front page

**DT1553
(back)**

INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.





APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

Wisconsin Department of Transportation

DT 553 8/2023 Wis. Stat. §§ 66.0831, 84.01(31), 84.08, 85.15, 86.07(2)(a), 86.16, and 182.017

1. Applicant (Utility facility owner) Name and Address		2. Work Start Date	3. Work Finish Date*	6. Public Land Survey System Location (¼ section, section, town, range: provide plat map)	
		4. Is the work due to a WisDOT highway project? <input type="checkbox"/> Yes <input type="checkbox"/> No		7. Municipal/County Location (List all that apply) Town: _____ Village: _____	
		5. Applicant Work Order or Project ID # (If any)			
9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.)			12. Proposed Work Methods (Check all that apply)		
<input type="checkbox"/> Comm: _____ <input type="checkbox"/> Electric: _____ <input type="checkbox"/> Gas/Oil: _____ <input type="checkbox"/> Water: _____ <input type="checkbox"/> Sewer: _____ <input type="checkbox"/> Casing: _____ <input type="checkbox"/> Conduit: _____ <input type="checkbox"/> _____ <input type="checkbox"/> Transmission _____ <input type="checkbox"/> Distribution _____			<input type="checkbox"/> Turn lane closure <input type="checkbox"/> Sidewalk or trail closure <input type="checkbox"/> Terrace (Area from curb to sidewalk) <input type="checkbox"/> Off shoulder/parking lane <input type="checkbox"/> Near right-of-way line or fence <input type="checkbox"/> Freeway/expressway <input type="checkbox"/> Intersection/roundabout <input type="checkbox"/> Railroad crossing <input type="checkbox"/> Mobile operation		
10. Facility Orientation			14. Is the facility near a survey monument? HMM 09-15-35 If yes, call (866) 568-2852 or email geodetic@dot.wi.gov		
<input type="checkbox"/> Underground <input type="checkbox"/> Crossing <input type="checkbox"/> Parallel <input type="checkbox"/> OSOW high clearance route (~Diameter) (Name of existing owner) (Provide details for all guy wires on plan sheets) <input type="checkbox"/> Bridge attachment <input type="checkbox"/> Scenic easement (Off right-of-way)			<input type="checkbox"/> Yes <input type="checkbox"/> No 15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item. <input type="checkbox"/> Yes <input type="checkbox"/> No		
11. Work Types (Check all that apply)			16. Trans 401 category? If non-minor, provide a formal erosion control plan. HMM 09-15-55		
<input type="checkbox"/> New facility <input type="checkbox"/> Remove <input type="checkbox"/> Joint install <input type="checkbox"/> Maintenance <input type="checkbox"/> Improve or repair existing <input type="checkbox"/> Discontinue, left in place			<input type="checkbox"/> Minor <input type="checkbox"/> Non-Minor 17. Complete the Environmental Checklist. See HMM 09-15-16 Attachment 1. WisDOT will not review a permit application until a completed Checklist is submitted. <input type="checkbox"/> Checklist included		
<input type="checkbox"/> Pothole (Subsurface excavation): <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Tree/vegetation control: <input type="checkbox"/> Cut (Remove) <input type="checkbox"/> Plant <input type="checkbox"/> Trim (Prune) <input type="checkbox"/> Mow <input type="checkbox"/> Chemically treat			the plat map is not adequate.		

**APPLICATION/PERMIT
HIGHWAY RIGHT-OF-WAY**
Wisconsin Department of Transportation
DT1553 8/2023 Wis

* Includes permanent restoration. If the permitted work has not started by the "Work Finish Date," this permit is null and void. If the permitted work has started but has not been completed by the "Work Finish Date," the work shall not be completed unless authorized through an approved written time extension or a subsequent permit. **ANY PERMIT ISSUED IS REVOCABLE.**

18. Utility Person Responsible for Construction	Telephone Number	It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's Utility Accommodation Policy , current edition.
19. Utility or Project 24/7 Emergency Contact	Telephone Number	

Permit requirements: Who?

1. Applicant (Utility facility owner) Name and Address

CenturyLink Telephone
2426 75th Ave
Osceola, WI 54020

- Utility facility owner may sign the permit application or delegate that authority to a consultant, contractor, attorney, etc.

Sean Fox

5/30/2018

(Utility Authorized Representative Signature – If filled via computer, brush script font)

(Date)

Sean Fox, Permit Agent

920-896-0564

sfox@mscon.com

(Title)

(Telephone Number)

(Email Address)



20. Provide company name and address of utility authorized representative if not employed by the applicant.

Mid-State Consultants
680 E. Fond du lac St.
Ripon, WI 54971

Permit requirements: What?

Describes the proposed work

<p>9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.)</p> <p><input checked="" type="checkbox"/> Comm: 48# FOC</p> <p><input type="checkbox"/> Electric: _____</p> <p><input type="checkbox"/> Gas/Oil: _____</p> <p><input type="checkbox"/> Water: _____</p> <p><input type="checkbox"/> Sewer: _____</p> <p><input type="checkbox"/> Casing: _____</p> <p><input checked="" type="checkbox"/> Conduit: 2- 1.25" HDPE</p> <p><input type="checkbox"/> _____ : _____</p> <p><input checked="" type="checkbox"/> Transmission <input type="checkbox"/> Service</p> <p><input type="checkbox"/> Distribution <input type="checkbox"/> Service (ESCP)</p>	<p>12. Proposed Work Methods (Check all that apply)</p> <p><input type="checkbox"/> Trench <input checked="" type="checkbox"/> Plow</p> <p><input type="checkbox"/> Place fill <input type="checkbox"/> Rock blasting</p> <p><input type="checkbox"/> Place cable in conduit <input type="checkbox"/> Open cut pavement</p> <p><input checked="" type="checkbox"/> Hand/mechanical excavation</p> <p>Bore:</p> <p><input type="checkbox"/> Hydraulic (Auger/Jack/Tunnel)</p> <p><input type="checkbox"/> Pneumatic (Mole)</p> <p><input checked="" type="checkbox"/> Directional 1 (Manually tracked)</p> <p><input checked="" type="checkbox"/> Directional 2 (Computer tracked)</p> <p><input type="checkbox"/> Unknown (At this time)</p> <p>Install or attach to poles/towers:</p> <p><input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Guys</p> <p>_____ (~Diameter) (Name of existing owner) (Provide details for all guy-wires on plan sheets)</p> <p>Pothole (Subsurface excavation):</p> <p><input checked="" type="checkbox"/> Air <input type="checkbox"/> Water</p> <p>Tree/vegetation control:</p> <p><input checked="" type="checkbox"/> Trim (Prune) <input type="checkbox"/> Plant</p> <p><input type="checkbox"/> Remove (Cut) <input type="checkbox"/> Mow</p> <p><input type="checkbox"/> Chemically treat</p>
<p>10. Facility Orientation (Check all that apply)</p> <p><input checked="" type="checkbox"/> Underground <input type="checkbox"/> Overhead</p> <p><input checked="" type="checkbox"/> Crossing <input type="checkbox"/> Parallel</p> <p><input type="checkbox"/> <u>OSOW high clearance route</u></p> <p><input type="checkbox"/> Structure attachment</p> <p><input type="checkbox"/> Scenic easement (Off right-of-way)</p> <p>11. Work Types (Check all that apply)</p> <p><input checked="" type="checkbox"/> New facility <input type="checkbox"/> Remove</p> <p><input type="checkbox"/> Joint install <input type="checkbox"/> Maintenance</p> <p><input type="checkbox"/> Improve or repair existing <input type="checkbox"/> Discontinue, left in place</p>	

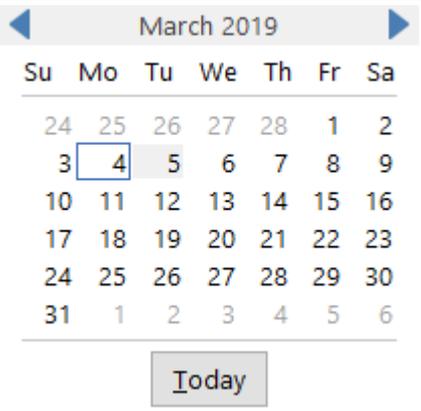


Permit requirements: **When?**

- Approval date to restoration date
- Give WisDOT 2-4 weeks for processing

2. Work Start Date

Choose date or type Upon Approval



March 2019

Su	Mo	Tu	We	Th	Fr	Sa
24	25	26	27	28	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Today

3. Work Finish Date★

Give yourself
enough time
to complete
restoration



Permit requirements: **Where?**

- State Trunk Highways, not Connecting Highways

State trunk highway maps

Travel by road

- Commemorative highways and bridges
- County maps
- Official highway map
- Out-of-state travel
- Park and ride lots
- Rest areas
- RIDESHARE
- Rustic Roads
- Scenic Byway program
- State Trunk Highway maps
- 511 Wisconsin Travel Information

[Interactive map](#) | [List of counties](#)

These maps contain locations of state trunk highway routes including:

- State trunk highways
- US highways
- Interstates
- Designated freeways
- Expressways

The maps are printable on 8.5" x 11" (or larger) size paper.

Click the desired county on the map below for a detailed view or choose from an [alphabetical county list](#).

Important: Some files are large and may take longer to download depending on individual connection speeds. Users may need to zoom in to see details.)

Also available

- [List of state trunk highway routes](#)
- [Freeway designations](#)
- [Overview of state's freeways and expressways - eastern Wisconsin](#)
- [Overview of state's freeways and expressways - western Wisconsin](#)



Connecting highways

Connecting highways

Planning resources

Functional classification

Connecting highways

National Highway System

Urban and Urbanized Area Boundaries

Transportation and land use

Connecting highways are local streets and roads that carry state highway travel through cities and villages. Connecting Highway Aids help local governments maintain these streets and roads at state trunk highway (STH) system standards, and compensate local governments for the incremental costs of through-traffic routed over municipal streets.

[Connecting Highway maps](#) are available to download from the Wisconsin Department of Transportation's WisDOT's FTP server. The maps show the roadways (in red) that are designated connecting highways. The beginning and end points are labeled. All maps reflect what is listed in the Statewide Listing.

-  [Connecting Highways - Statewide Listing](#)
- [Connecting Highway maps](#)

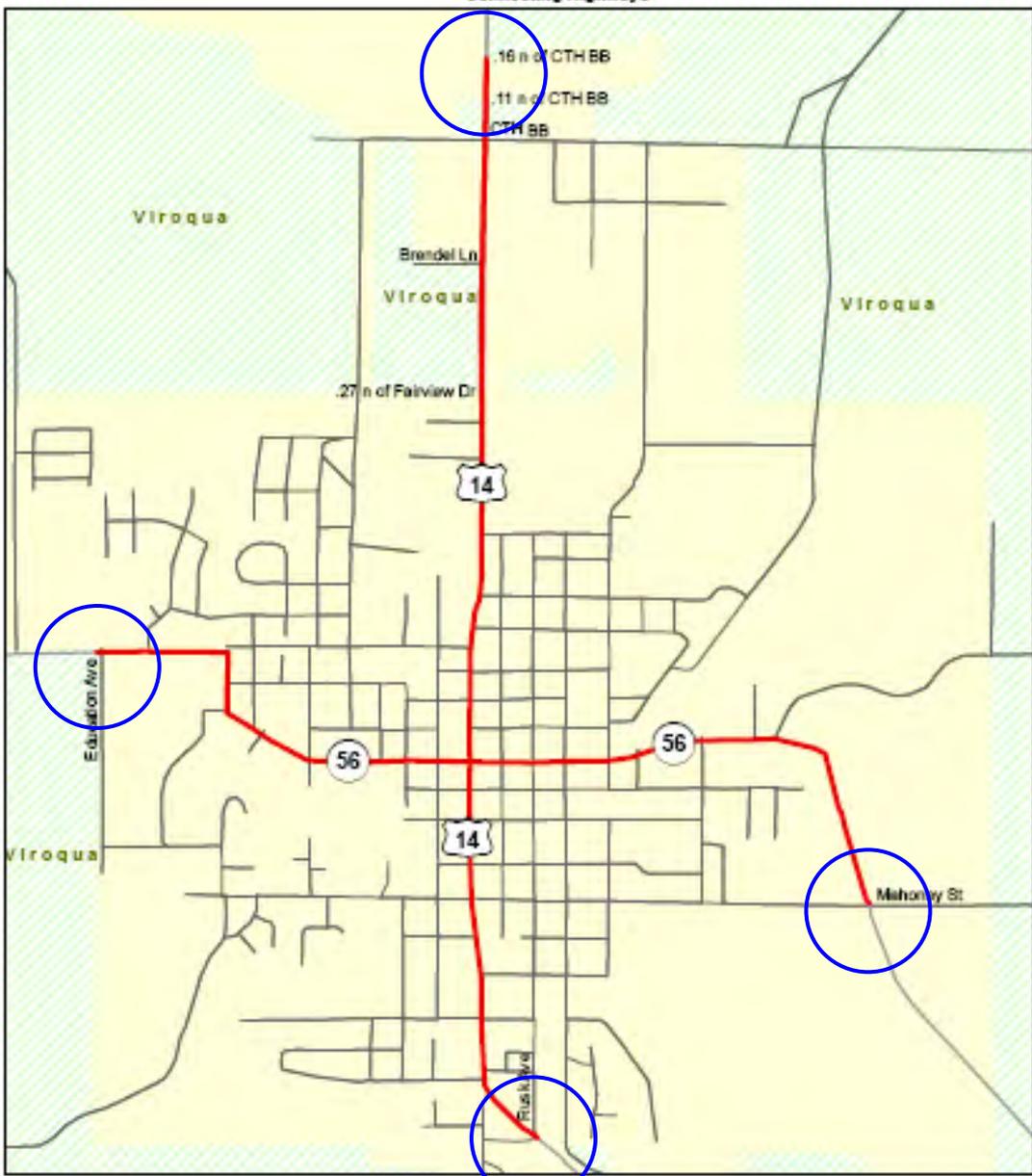
Contact

John Nordbo
john.nordbo@dot.wi.gov
[\(608\) 267-7751](tel:(608)267-7751)

Related information:

- [Connecting Highway Aids](#)
- [State trunk highway maps](#)





Legend

- Connecting Highway
- City or Village
- Town of Viroqua
- Other



WisDOT & utility project info

4. Is the work due to a WisDOT highway project?

Yes No

5. Applicant Work Order (If any)

Bottom left-hand corner of form.

If #4 is YES, the WisDOT writes in appropriate project ID(s)



(WisDOT Improvement Project ID Numbers, if applicable)

Location, location, location...

6. Location Description (¼ section, section, town, range; provide plat and/or location maps)

T15N R16E S27, 34
T14N R16E S3

7. Work Location (List all that apply)

Town: Byron, Fond du Lac

Village: _____

City: Fond du Lac

County: Fond du Lac

8. Highway (List all that apply)

WIS: 175

US: 151

Interstate: _____



Town
Village
City

7. Work Location (List all that apply)

Town:

Village

Village:

City:

County:



Work zone traffic control

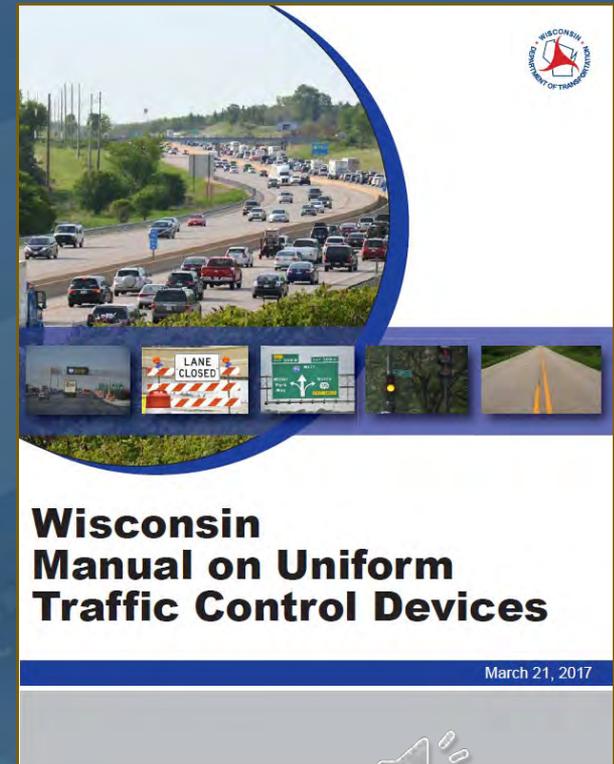
The work zone encompasses the utility facility location plus the entire site that people, vehicles, materials, and equipment will use

13. Work Zone Description (Check all that apply). (Provide relevant diagram(s) with application.)

- Not applicable
- Full road closure: detour
- Full road closure: temporary
- Lane closure without flagging
- Lane closure with flagging
- Lane encroachment (2' or less)
- Shoulder/parking lane closure
- Turn lane closure
- Sidewalk or trail closure
- Terrace (Area from curb to sidewalk)
- Off shoulder/parking lane
- Near right-of-way line or fence
- Freeway/expressway
- Intersection/roundabout
- Railroad crossing
- Mobile operation

Guidelines and materials

- Wisconsin Manual on Uniform Traffic Control Devices (WMUTCD)
 - **Minimum standards**
 - States and local agencies can have more restrictive standards
 - Wisconsin does and is published
 - **Applies to all streets and highways open to public travel**



Work zone layouts

- A utility permit's work zone traffic control plan may be designed based from:
 - WMUTCD drawing
 - Work Zone Field Manual →
 - WisDOT Standard Detail Drawings
 - Preferred
 - Special drawings

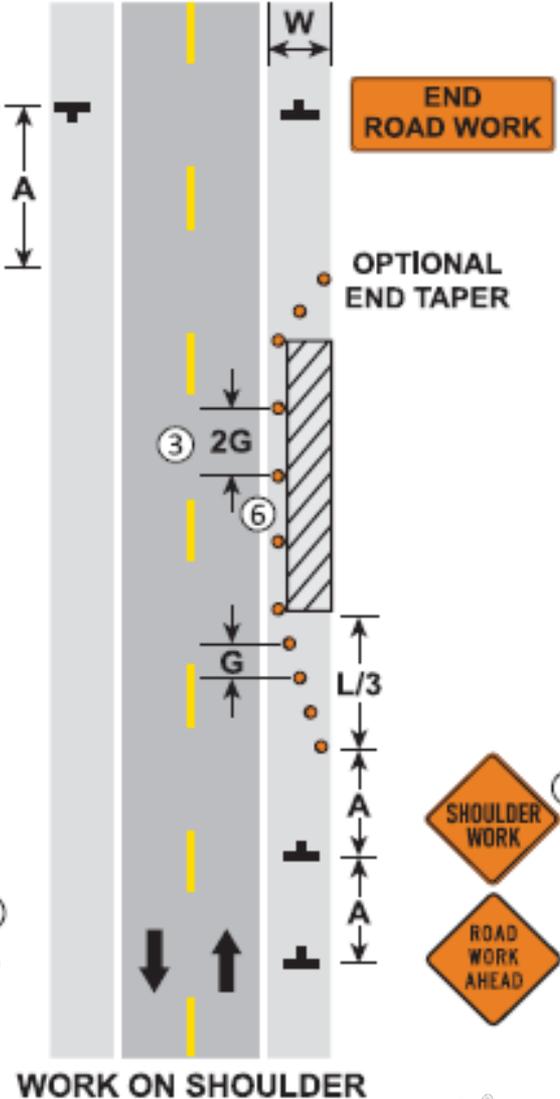
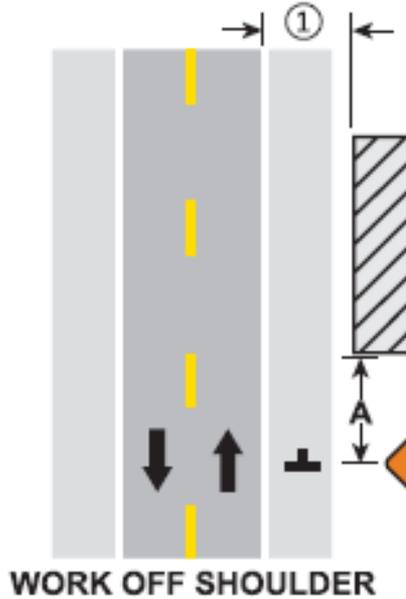


Wisconsin Work Zone Field Manual



Shoulder closure in Work Zone Field Manual

Shoulder Taper L/3							
W mph	3	4	5	6	7	8	
25	10	14	17	21	24	28	②
30	15	20	25	30	35	40	
35	20	27	34	40	47	54	
40	28	35	44	53	62	70	
45	45	59	74	89	104	119	
50	50	66	83	99	116	132	
55	54	73	91	109	127	145	



**SHOULDER AND PARKING LANE CLOSURE
WORK ON or NEAR SHOULDER**
3 DAYS or LESS LAYOUT 6

WisDOT Standard Detail Drawing Shoulder Closure

15D27: Traffic Control, Shoulder Closure on Divided Roadway, Speeds Greater than 40 M.P.H.

- LEGEND**
- TRAFFIC CONTROL DRUM
 - ▬ SIGN ON PERMANENT SUPPORT
 - ➡ DIRECTION OF TRAFFIC
 - ⚡ FLASHING ARROW BOARD
 - ▨ WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

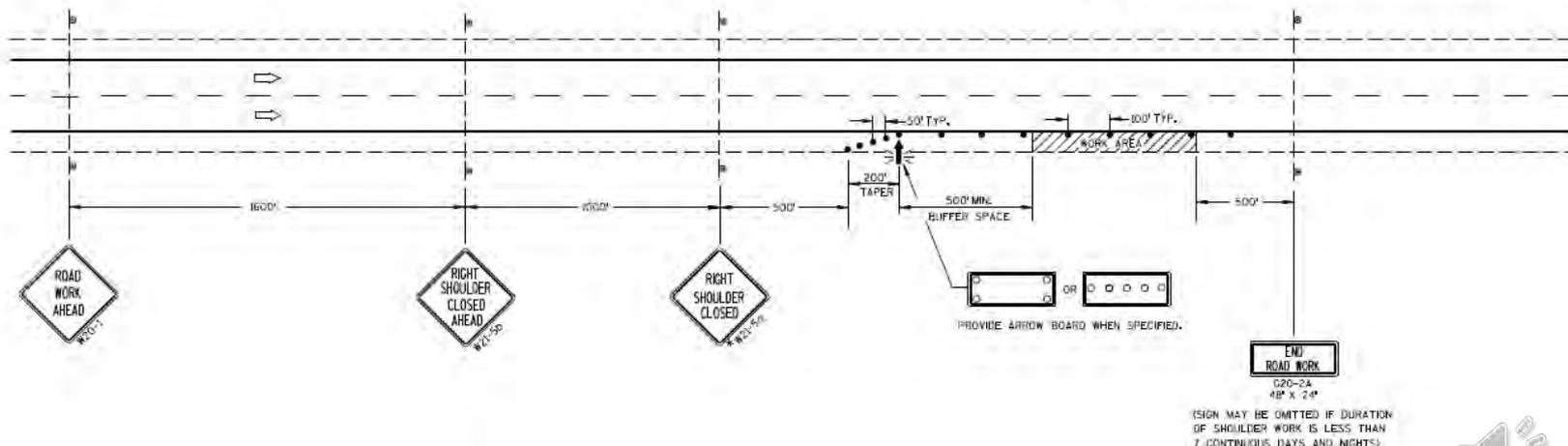
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-50 SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
8/2013 DATE	J.S. Trivette STATE TRAFFIC ENGINEER OF DESIGN
RHe	

6

6

Erosion control & Environmental

Questions must
be answered

16. Trans 401 category? If non-minor, provide a formal erosion control plan. [HMM 09-15-55](#)

Minor Non-Minor

17. Complete the Environmental Checklist. See [HMM 09-15-16](#) Attachment 1. WisDOT will not review a permit application until a completed Checklist is submitted.

Checklist included



Environmental Checklist

9-15-16

HMM 09-15-16 Environmental Coordination & Checklist

[Attachment 1 - Environmental Checklist](#)

Note: To print the Checklist, click on the icon and set Pages to Print to "Pages 3-5"



Include this Checklist and any supplemental documentation with form dt1553, *Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way*. The application will be returned if the Checklist is not included or is incomplete.

Answer the following questions related to the proposed utility project to show environmental compliance or coordination with various agencies/Tribes. WisDOT's permit approval does not relieve a utility from compliance with all applicable federal, state, local and tribal laws, codes, regulations, and ordinances and shall not be construed as superseding any other governmental agency's more restrictive requirements. Keep all supporting documents on file with WisDOT's permit for its duration and provide upon request.

Remember: Supporting documentation may be required to prove environmental coordination with a regulatory agency on the Checklist. If an agency does not require documentation, a utility is not required to submit it to WisDOT. However, supply documentation if it may be helpful in WisDOT's review of the Checklist, e.g., permits, approvals, certifications, checklists, correspondence, website screenshots/PDFs, mapping, etc. Checkboxes that only have yes, no, or not applicable answers are automatically set to no or not applicable.

1. ***Aquatic Resource Impacts***

Use the Wisconsin Wetland Inventory maps and the [DNR Surface Water Data Viewer](#) (SWDV) to identify waterways, surface waters and potential wetlands. These tools are not comprehensive, and field surveys may be required to identify aquatic resources within the footprint of a proposed project. Consult with Department of Natural Resources and U.S. Army Corps of Engineers as needed.

Does the proposed project have the potential to impact any aquatic resources (wetlands, waterways, etc.)?

No – Skip to question 2 Yes – Continue below

State Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive non-reporting coverage under the DNR utility general permit ([DNR-GP3-2023](#)) for wetland/waterway impacts?

Yes – Project meets all requirements for DNR *non-reporting* utility general permit coverage



Environmental Checklist

Aquatic Resource Impacts

- State/Federal Wetland/Waterway Permits

Protected Species

Construction Site Stormwater Permits

Erosion Control Plan & Stormwater

Management Plans

Historic Preservation

Tribal Government Coordination

Contaminated Sites

Asbestos



Additional project information

18. Utility Person Responsible for Construction Telephone Number

Company representative

19. Utility or Project 24/7 Emergency Contact Telephone Number

Company representative, contractor, 1-call center



Additional work information

21. Provide additional work details, if needed (use back page or include separate pages)

Work location (address), latitude-longitude, empty conduit, number of actual working days, work hours (9am-3pm), special work hours (11pm-5am), ...



Back page

APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY (continued)

Wisconsin Department of Transportation

DT1553

Use this section to provide information that does not fit on front page

APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY (continued) Wisconsin Department of Transportation DT1553
<p>Use this section to provide information that does not fit on front page.</p>
<p style="text-align: center;">INDEMNIFICATION</p> <p>The Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 54 of Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, including without limiting the generality of the foregoing, all liability, damage, loss, expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters, or any other person.</p> <p>Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any use of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatsoever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.</p> <p>Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity, receiving ownership or control.</p>



Bottom part of form

↓ For Wisconsin Department of Transportation Use Only ↓

<input type="checkbox"/> UTILITY SHALL NOTIFY WisDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK: Region contact, office address, telephone number and email address WisDOT, _____ _____ _____ _____	<input type="checkbox"/> Review All Supplemental Permit Provisions <input type="checkbox"/> Revisions Made to Drawings or Other Pages <input type="checkbox"/> Lane Closure System notification required HMM 09-15-60 <input type="checkbox"/> Insurance or performance bond required <input type="checkbox"/> Joint installation: See permit(s) # _____ <input type="checkbox"/> Private utility (Non-public ownership and/or use) <input type="checkbox"/> Expedited Service Connection Permit <input type="checkbox"/> This permit voids & supersedes # _____ issued: _____ <input type="checkbox"/>	Application Received Application Completed Permit Issued Permit Extended Permit Amended Permit Number
(WisDOT Improvement Project ID Numbers, if applicable)	(WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)	

Filled out by WisDOT



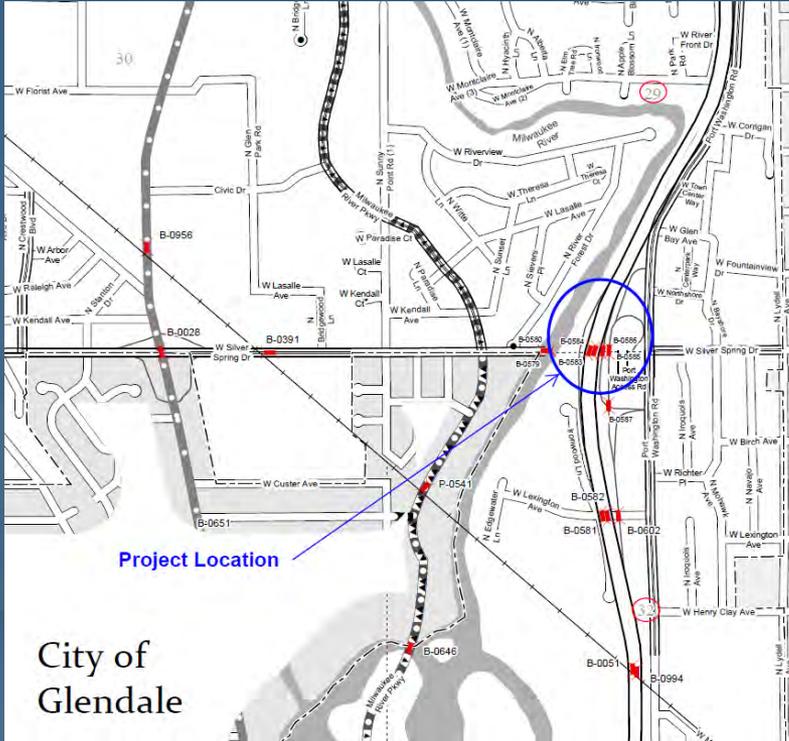
So what goes with the DT1553?

- Location or plat map
- Drawings
 - Scale / North arrow
 - Show highway features
 - CL, EOP, shoulder, lanes, curb
 - Show existing utilities
 - Show proposed facility
 - Not technical nomenclature
- Special items
 - Appurtenances
 - Access
 - DNR coordination
 - Work time restrictions
 - Work zone traffic control
 - Erosion control

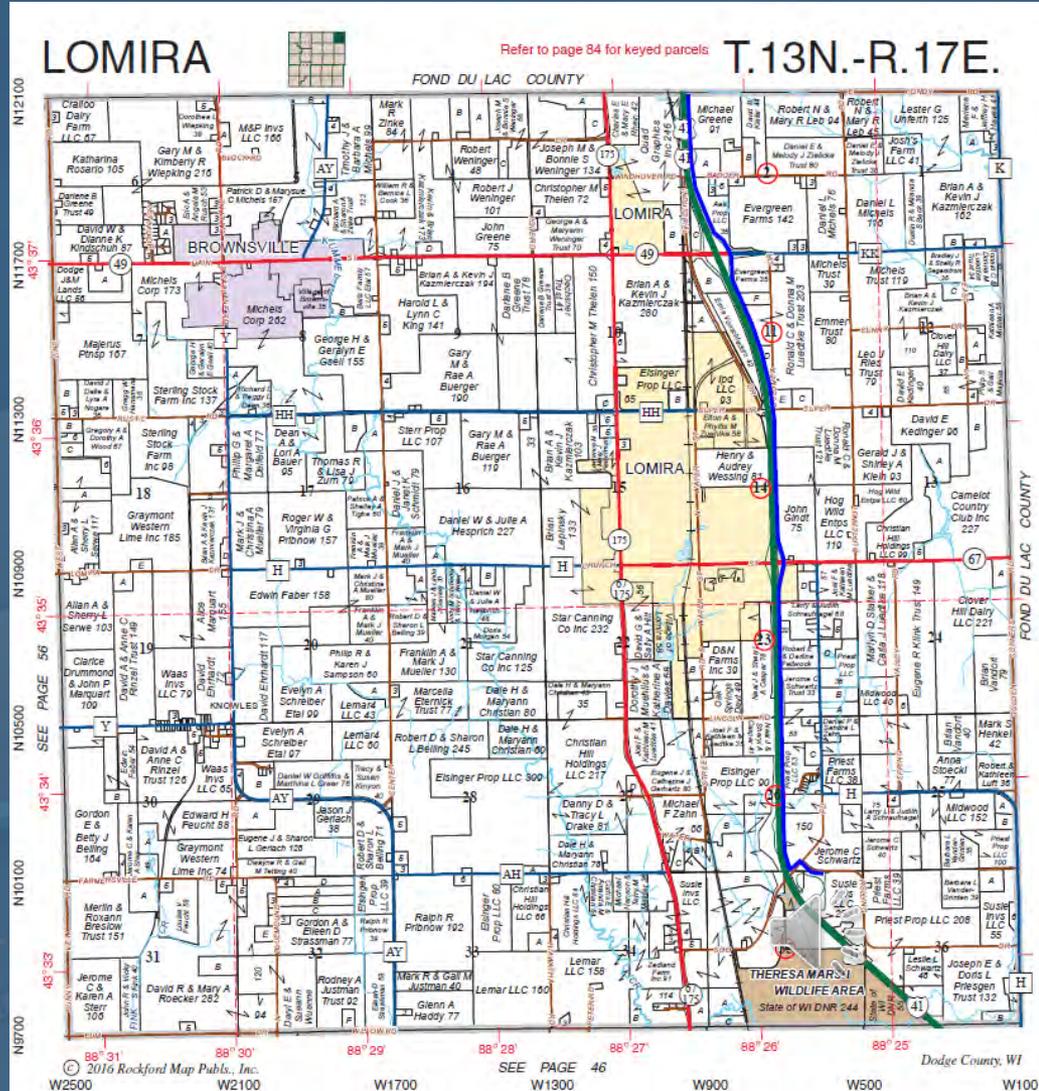


Location or plat map

- Required for permit



City of
Glendale



HMM 09-15-15: Permit Drawings

2.3 Permit Drawings

Each permit application shall contain adequate drawings showing the proposed location of the utility facility within the R/W with respect to the existing highway, any proposed highway improvement, and **any existing utility facilities**. The details shall include dimensions from the proposed utility installation to the commonly accepted R/W line and edge of the traveled way.



Insufficient existing utility data leads to permit review and processing delays



Provide dimensions from known points

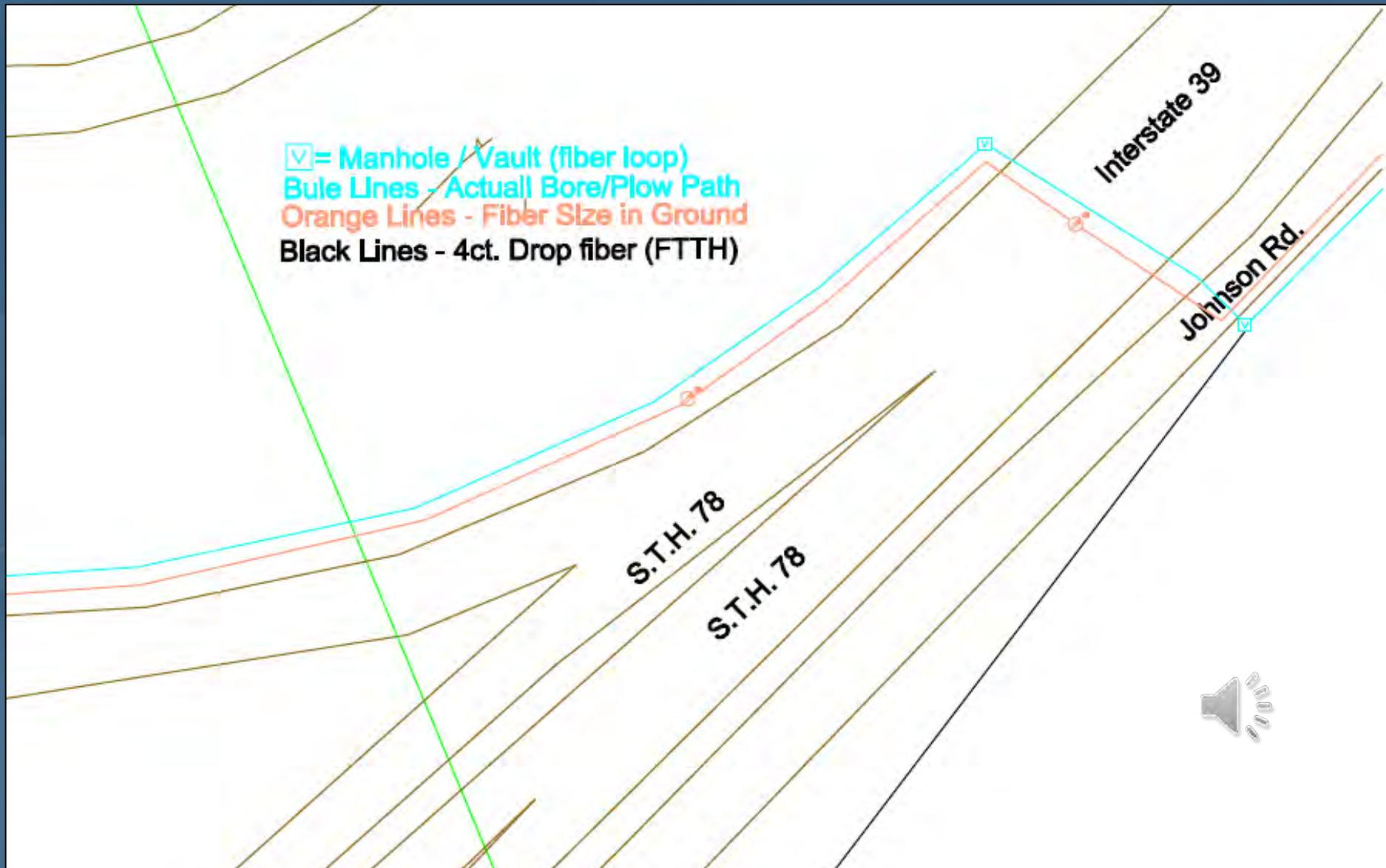
- Right-of-way line
- Fence
- Edge of pavement
- Edge of travel lane
 - White stripe
- Centerline
- Other utilities

- Scale
- Stationing
- Section lines

MATCH LINE STA. 116+875 SEE SHEET 165



Hard to tell what's what on this drawing



Legends are needed

Symbols for Equipment On or Buried Under the Ground

	New	Existing	To Be Removed
Underground Wires	---	---	---
Wire Pedestal Approximately 1 foot x 1 foot x 3 feet			
Transformer Box Approximately 5 feet x 5 feet x 5 feet			
Switch Box Approximately 7 feet x 7 feet x 6 feet tall			
Concrete Ducts and Wires In Road Size and shapes vary; Approximately 8 feet x 20 feet x 10 feet deep			
Manhole Sizes and shapes vary; Approximately 8 feet x 20 feet x 10 feet deep			
Transformer Room / Vault Sizes vary			

Symbols for Equipment On Poles

	New	Existing	To Be Removed
Poles			
Wires on Poles	—	—	—
Anchor Guys			
Transformer On A Pole			

Symbols for Forestry and Brush Work

	Existing	Center Trim	Top Trim	Side Trim	Remove
Trees Clearance of at least 2 feet – and often as much as 10 feet or more – is required around wires.					
Brush Complete removal of brush may be required to create a 10-foot-wide path for trucks, poles, pad-mounted equipment and underground trenches.					

LINETYPE LEGEND

	PROPOSED CABLE (BURIED)
	EXISTING CABLE (BURIED)
	PROPOSED CABLE (AERIAL)
	EXISTING CABLE (AERIAL)
	BORE
	FENCE
	CENTERLINE
	EDGE-OF-TRAVEL PORTION
	RIGHT-OF-WAY
	EASEMENT
	WATER MAIN
	TELEPHONE
	FIBER
	COMMUNICATIONS
	SANITARY SEWER
	STORM SEWER
	ELECTRICAL POWER
	CABLE TV
	GAS
	CONDUIT
	EDGE OF BUILDING
	PROPERTY LINE
	WETLAND POLYGON
	WATERWAY POLYGON

SYMBOL LEGEND

	WETLAND BORE PIT
	CELL TOWER
	NEW COIL
	EXISTING COIL
	TREE
	POWER POLE
	COMMUNICATION POLE
	JOINT POLE
	POWER TRANSFORMER/CAPACITOR POLE
	JOINT TRANSFORMER POLE
	PROPOSED NSIGHT POLE
	EXISTING UTILITY PED/CABINET
	BURIED TRANSFORMER
	PROPOSED PED
	WATER VALVE
	HYDRANT
	LIGHT POLE
	TRAFFIC LIGHT
	UTILITY MANHOLE (* = S,E,T,etc.)
	INLET
	EXISTING DOWNGUY & ANCHOR
	PROPOSED DOWNGUY & ANCHOR
	RIGHT-OF-WAY MARKER
	PROPOSED WARNING MARKER
	SIDEWALK OR PAVEMENT REMOVAL
	CULVERT
	PROPOSED HANDHOLE
	EXISTING HANDHOLE
	PROPOSED GROUND
	EXISTING GROUND
	SPLICE POINT
	AERIAL SLACK LOOP
	SIGN
	BOX CULVERT

Comments, questions, concerns...

- Kathy Jennings
- Maintenance Engineer
- (608) 261-8976
- kathy.jennings@dot.wi.gov

