



Division of Transportation
System Development
Northeast Regional Office
944 Vanderperren Way
Green Bay, WI 54304

Scott Walker, Governor
Dave Ross, Secretary
Internet web site: www.wisconsin.gov

Telephone: (920)492-5643
E-mail: dot.dtsd.ne.utility@dot.wi.gov

SPECIAL SUPPLEMENTAL PERMIT PROVISIONS

It is understood and agreed that approval of this utility permit is subject to applicant's full compliance with the standard supplemental permit provisions, special supplemental provisions found listed below, and the Wisconsin Department of Transportation's *Utility Accommodation Policy (UAP)*, current edition (Also known as Highway Maintenance Manual – Chapter 9, Section 15) <http://www.dot.wisconsin.gov/business/rules/property-uap.htm>

Permit Number: 2017239

1. Lane closures or shifting of traffic across existing centerline can only occur between 9am - 3pm Monday - Friday.
2. (HMM 09-15-60-4.2) Send the LCS request to WisDOT for review and approval at the appropriate time in accordance with the following advance notifications guidelines:
 - a. 7 calendar days for any freeway ramp, lane or shoulder closure
 - b. 7 calendar days for full roadway closure of any state highway (detour involved)
 - c. 7 calendar days for closures that may impact oversize/overweight (OSOW) permits
 - d. 3 business days for closures non-freeway or shoulder closuresContact Josh Falk, (920) 366-8033 or joshua.falk@dot.wi.gov.
3. Pedestrians are required to have a hard surface passage at all times or be properly detoured according to the MUTCD pages 53-55 (attached).
4. (HMM 09-15-45-5.0) Restore any curb, gutter, pavement, shoulder, sidewalk, driveway, gravel base, ballast, or other highway element disturbed to the qualities, grades, compactions, conditions, etc., in accordance with WisDOT's [Standard Specifications for Highway and Structure Construction, current edition](#).



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

DT1553

7/2017

Wisconsin Department of Transportation
s. 66.0831, 84.08, 85.15, 86.07(2)(a), 86.16, 182.017 and other applicable Wis. Stats.

1. Applicant (Utility facility owner) Name and Address WE ENERGIES 800 S. LYNNDAL AVE APPLETON, WI 54914-4517		2. Work Start Date 9/25/2017	3. Work Finish Date 10/09/2017	6. Location/Description (¼ section, section, town, range; provide plat and/or location maps) 262 E. MAIN ST (STH 15), HORTONVILLE; T21N, R15E SECTION 36 SW. T22N	
		4. Is the work due to a WisDOT highway project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
		5. Applicant Work Order (If any) 3963407			
9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.) <input type="checkbox"/> Comm: _____ <input checked="" type="checkbox"/> Electric: 12.47KV, 3-#336ACSR <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"/> Service <input checked="" type="checkbox"/> Distribution <input type="checkbox"/> Service (ESCP)		12. Proposed Work Methods (Check all that apply) <input type="checkbox"/> Trench <input type="checkbox"/> Plow <input type="checkbox"/> Place fill <input type="checkbox"/> Rock blasting <input type="checkbox"/> Place cable <input type="checkbox"/> Open cut in conduit pavement <input checked="" type="checkbox"/> Hand/mechanical excavation Bore: <input type="checkbox"/> Hydraulic (Auger/Jack/Tunnel) <input type="checkbox"/> Pneumatic (Mole) <input type="checkbox"/> Directional 1 (Manually tracked) <input type="checkbox"/> Directional 2 (Computer tracked) <input type="checkbox"/> Unknown (At this time)		7. Work Location (List all that apply) Town: _____ Village: HORTONVILLE City: _____ County: OUTAGAMIE	
10. Facility Orientation (Check all that apply) <input type="checkbox"/> Underground <input checked="" type="checkbox"/> Overhead <input type="checkbox"/> Crossing <input checked="" type="checkbox"/> Parallel <input type="checkbox"/> OSOW high clearance route <input type="checkbox"/> Structure attachment <input type="checkbox"/> Scenic easement (Off right-of-way)		13. Work Zone Description (Check all that apply). (Provide relevant diagram(s) with application.) <input type="checkbox"/> Not applicable <input type="checkbox"/> Full road closure: detour <input type="checkbox"/> Full road closure: temporary <input checked="" type="checkbox"/> Lane closure: without flagging <input type="checkbox"/> Lane closure: with flagging <input type="checkbox"/> Lane encroachment (2 feet or less) <input type="checkbox"/> Intersection/roundabout <input checked="" type="checkbox"/> Shoulder/parking lane closure <input type="checkbox"/> Railroad crossing Freeway/expressway location <input type="checkbox"/> Off shoulder: < 30' off white line <input type="checkbox"/> Off shoulder: ≥ 30' off white line <input type="checkbox"/> Near right-of-way line or fence Non-freeway/expressway location <input type="checkbox"/> Off shoulder: < 15' off white line <input type="checkbox"/> Off shoulder: ≥ 15' off white line <input type="checkbox"/> Back of curb: < 2' behind <input type="checkbox"/> Back of curb: ≥ 2' behind		8. Highway (List all that apply) WIS: 15 US: _____ Interstate: _____ 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"/> Yes <input checked="" 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 checked="" type="checkbox"/> No 16. Trans 401 project designation? If Major, provide a formal erosion control plan. HMM 09-15-55 <input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor 17. Are any environmental approvals, certifications or permits required from other regulatory agencies, including tribal governments? If yes, provide a copy of each item. If no, provide proof of other agency coordination as needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11. Work Types (Check all that apply) <input checked="" type="checkbox"/> New facility <input checked="" type="checkbox"/> Remove <input type="checkbox"/> Joint install <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Improve or repair existing <input type="checkbox"/> Discontinue, left in place		Install or attach to poles/towers: <input checked="" type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Guys WE ENERGIES (~Diameter) (Name of existing owner) (Provide details for all guy-wires on plan sheets) Pothole (Subsurface excavation): <input type="checkbox"/> Air <input checked="" type="checkbox"/> Water Tree/vegetation control: <input type="checkbox"/> Trim (Prune) <input type="checkbox"/> Plant <input type="checkbox"/> Remove (Cut) <input type="checkbox"/> Mow <input type="checkbox"/> Chemically treat			

* 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 TOM BRAUN	Telephone Number 920-380-3452	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 <u>Utility Accommodation Policy</u>, current edition.
19. Utility or Project 24/7 Emergency Contact TOM BRAUN	Telephone Number 920-428-3114	
20. Provide company name and address of utility authorized representative if not employed by the applicant. Tom Braun (Utility Authorized Representative Signature – If filled via computer, brush script font) Senior Operations Supervisor 920-380-3452 (Title) (Telephone Number) Tom-b-Braun@we-energies.com (Email Address)		8/10/2017 (Date)
21. Provide additional work details, if needed (use back page or include separate pages) REPLACING 2 POLES, INSTALLING 1 POLE, GUYING POLES AS NEEDED, STRINGING 336ACSR CABLE, REPLACING STREET LIGHTS.		This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If a utility facility changes ownership, this permit terminates. The new owner must obtain a permit in order to operate and maintain the facility in WisDOT right-of-way.

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 checked="" type="checkbox"/> Review All Supplemental Permit Provisions	Application Received 8/10/2017
	<input checked="" type="checkbox"/> Revisions Made to Drawings or Other Pages	Application Completed
	<input checked="" type="checkbox"/> Lane Closure System notification required HMM 09-15-60	Permit Issued 8/21/2017
	<input type="checkbox"/> Insurance or performance bond required	Permit Extended
	<input type="checkbox"/> Joint installation: See permit(s) # _____	Permit Amended
<input type="checkbox"/> Private utility (Non-public ownership and/or use)	Permit Number 2017239	
<input type="checkbox"/> Expedited Service Connection Permit		
<input type="checkbox"/> This permit voids & supersedes # _____ issued: _____		
<input type="checkbox"/>		

(WisDOT Improvement Project ID Numbers, if applicable)

(WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)

**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

SEE ATTACHED SKETCH.

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.



STANDARD SUPPLEMENTAL PERMIT PROVISIONS

For Wisconsin Department of Transportation Utility Facility Permits

Acronyms used in this document:

- BMPs: Best Management Practices
- R/W: Right-of-Way
- UAP: Utility Accommodation Policy
- HMM: Highway Maintenance Manual
- WisDOT: Wisconsin Department of Transportation

1. GENERAL WORK REQUIREMENTS

- As required by Wisconsin Statute 182.0175, when filing your Diggers Hotline request ensure that this WisDOT Permit Number is in the Remarks Section of the Diggers Hotline Ticket.
- The Permittee shall bore under all driveways, private entrances, wetlands, culverts, and all roadways.
- The Permittee is responsible for obtaining any permits from the Department of Natural Resources, or any other agency that may have an interest in the area impacted by the construction of the utility facility.

2. **WORK DUE TO A WISDOT HIGHWAY PROJECT.** This approved permit constitutes acceptance that the work in this permit is compatible with permit requirements. This approved permit is NOT a Work Plan Approval/Start Work Notice as required by Trans 200.05(07). This approved permit is NOT a Work Plan Approval/Start Work Notice for a non-Trans 220 project. This approved permit does NOT approve or authorize an agreement between WisDOT and the Permittee for compensable work due to a WisDOT highway project.

3. **PERMIT TERM.** For as long as the Permittee continues to own, operate and maintain this utility facility within WisDOT R/W in accordance with the terms of its permit and WisDOT's UAP, this permit shall be valid.

4. **REVOCATION BY WISDOT.** WisDOT may revoke this permit if its own use of the R/W would be facilitated by the full or partial relocation of the Permittee utility facility, and shall provide the Permittee with written notice prior to revocation. At which time WisDOT shall work with the Permittee to find a suitable replacement area on R/W near the terminated location if possible. WisDOT shall not compensate the Permittee to move its utility facility in keeping with WisDOT's policy on compensable / non-compensable utility facility moves.

5. **TERMINATION BY PERMITTEE.** The Permittee may terminate this permit upon 60 days written notice to WisDOT. Upon such termination, the Permittee shall either remove its communication cable facility from the R/W, or abandon it in-place provided it does not constitute an environmental hazard.

6. **HOLIDAY WORK RESTRICTIONS for 2017.** The Permittee shall not work on January 1, May 29, July 4, September 4, and November 23, and December 25.

7. **WORK-TIME RESTRICTIONS.** Weekday work is from sunrise to sunset. Weekend work may be allowed upon prior approval from WisDOT. No work shall take place during nighttime hours unless authorized by WisDOT.

8. **TRAFFIC CONTROL.** All work zone traffic control will be in accordance with the Wisconsin Manual on Uniform Traffic Control Devices. Additional guidance is available from WisDOT through a booklet entitled, *Work Zone Safety, Guidelines for Construction, Maintenance, and Utility Operations* or from HMM 09-15-60.

9. **WORK AREA PROTECTION DURING NON-WORK TIMES.** The Permittee may store vehicles, equipment, or materials on the non-freeway R/W provided they are placed as close to the non-freeway R/W line as possible, but no less than 30 feet from the edge of the nearest travel lane. If vehicles, equipment, or materials must be parked or stored within an area that is less than 30 feet from the edge of the nearest travel lanes, appropriate temporary concrete or water-filled barriers, signing, and devices shall be utilized. The Permittee shall ensure that any excavations left open during non-work times are well marked and secured from public intrusion.

The primary objective will be maintenance of a safe traffic and working environment. No operation shall to any extent pose any hazard neither to, nor in any manner influence traffic at any time.

All vehicles used to conduct the work operations will be equipped with conspicuously visible roof-mounted revolving or strobe lights. These lights shall be in operation just prior to and during the time the work operations are being conducted. Hazard warning lights on the vehicles must also be operating.

10. **WORK RESTRICTIONS.** For the purposes of placement of these facilities, as stated with this permit request, the State security fence shall not be opened or damaged.

11. **CLEAR ZONE / DRAINAGE INTERFERENCE.** No topsoil or other excavated piles of soil shall be deposited in any manner that interferes with the clear zone or regular drainage patterns within the highway.

As much as possible, all equipment, operations, and spoil material should be situated or accomplished off of the highway.

12. **EROSION CONTROL.** The Permittee shall use the appropriate erosion control BMPs to contain soil directly at the site to prevent disturbed soil from getting into nearby waterways and wetlands. All appropriate erosion control devices shall be in place **prior to starting construction activities**. Temporary seeding shall be used as necessary after rough grading and before completion of the project. The Permittee shall ensure that erosion control BMPs used to protect restored areas remain in place until replacement vegetation achieves sustained growth.

The Permittee shall take all precautions necessary to prevent mud, dirt, or other debris from being deposited onto the shoulder or pavement of all access roads or highways. Any materials deposited on the shoulder or pavement shall be removed immediately. Ruts may remain as is if the Permittee is accessing the R/W from private property, but appropriate erosion control BMPs shall be used to contain disturbed soil at the site.

13. **R/W RESTORATION.** Upon completion of the project a variation of erosion control measures will be required to restore the area that has been disturbed allowing it to return to the manner it was in previous to the construction. All disturbed sites will require a seed mixture that includes a quick sprouting variety with fertilizer and mulch. Other possibilities that may have to be considered are Geotextile fabric, e-mat, and stone ditch checks.

The Permittee is responsible to assure that erosion control measures used to protect restored areas remain in place until replacement vegetation achieves sustained growth.

The basic drainage pattern of the highway shall remain undisturbed by the permitted work. Upon project completion, all spoils, debris, refuse, and waste resulting from the permitted work shall be removed from the work site. Should future maintenance work on the Permittee's utility facility result in the disturbance of the existing R/W, the Permittee shall restore the R/W to its original condition as soon as possible.

Any works or operations not in full compliance herewith shall justify an order by any inspecting officer of WisDOT to cease all further progress on the work, and to accomplish all restorations of disturbed areas, including full restorations of the pavement

Upon completion of the work, all disturbed areas shall be restored according to requirements stated in the Utility Accommodation Policy, HMM 09-15-65, and in a manner satisfactory to WisDOT

14. **NOTIFICATIONS / CONTACTS.** Notify Northeast Region permit coordinator/field inspector, by phone or email, three days prior to the start of construction. Notify Diggers' Hotline 800/242-8511 at least three working days prior to the start of any excavation. It is the obligation of the permittee to determine the location of, and avoid any damage to, the pre-existing lines and facilities of others.

15. **TREES.** Prevent the spread of oak wilt by treating all cut surfaces and abrasions sustained **between April 1 and September 30** by healthy oak trees and saplings with a thorough application of tree paint immediately upon discovering a wound. Between these dates, also paint the cut surfaces of the stumps of all healthy oak trees and saplings immediately after cutting, whether remaining in place or grubbed.

This permit approves the installation of facilities as shown on the diagram provided. If the above assigned position is not feasible, an alternate location of facilities shall be approved prior to installing the facilities by contacting the permit coordinator approving the permit. If the facility is later discovered to be at a location other than that designated by the permit you may be required to relocate the facility at your expense.

This permit is subject to the attached drawings, these supplemental provisions, and WisDOT's Utility Accommodation Policy. New supplemental provisions may be added, or the existing ones deleted or amended in the future as different issues arise during the installation, operation and maintenance of the permittee's facilities.

3.3 Subsurface Utility Excavation (SUE)

WisDOT allows SUE as a necessary tool for accurate vertical location of utilities. Two methods are available: air (vacuum) and water (jetting). Within the pavement structure (lanes, shoulders, curb & gutter), use **air** SUE rather than water. Water may be allowed if the air method cannot penetrate frozen and/or densely compacted soil. Air or water SUE may be used in other R/W areas beyond the pavement structure. Table 1 below outlines the basic steps for SUE work.

Consult WisDOT prior to using water SUE. If WisDOT agrees to its use, check the SUE water jetting box on the permit application and show hole locations on a drawing. Submit **before** pavement condition pictures at each SUE hole with the permit application, and provide pictures of the fully restored holes **after** the job is completed. This provides WisDOT and the utility with documentation that the restoration was finished. Monitor the holes over the next few years, or until WisDOT is satisfied that no additional settling is occurring or until a new resurfacing or pavement replacement project is done. A utility must repair any SUE hole settlement (Figure 2).

Numerous pictures are not needed. But pictures should be taken from the same angle and distance for the before and after conditions, and be far enough away to provide some sort of perspective for the location (i.e., not right next to the hole). Take pictures with a digital camera so they can be sent electronically, or if taken with a conventional camera, scan and send to WisDOT in a .jpg or .pdf format. No pictures are required for air SUE.

Use round cores for SUE holes within the pavement structure. Round cores are preferred since they prevent stress cracks due to elimination of corners. The maximum size of a SUE hole is 12" in diameter in the wheel paths and a maximum of 16" in diameter outside the wheel paths. Beyond the pavement structure, the hole size may be larger (18"-24") and square upon WisDOT approval.

Table 1: Basic SUE Steps

- 1) Pavement is saw cut full depth, with a bit ranging from 12" to 16" in diameter; resulting in a "core".
- 2) The core is removed and saved for reuse (if structurally sound).
- 3) A protective steel ring is placed to protect the edge of the opening from damage.
- 4) Vacuum equipment is used to excavate compacted material from bottom of base course down to beneath utility facility.
- 5) Utility work is performed (e.g., leak repair, service connection).
- 6) Utility facility is protected with fine material.
- 7) Self-mixing flowable fill material is placed from top of fine material to bottom of base course (fill is designed to be traffic-bearing in 90 minutes).
- 8) Non-shrink grout is placed (grout is designed to be traffic-bearing in about 90 minutes).
- 9) The removed core (or a generic equivalent replacement core) is placed in the remaining opening (original alignment and orientation is maintained if removed core is used) forcing the grout to the surface to fill the annular space and core extraction hole.
- 10) The restored opening is sealed.



Figure 2: Improper SUE Restoration

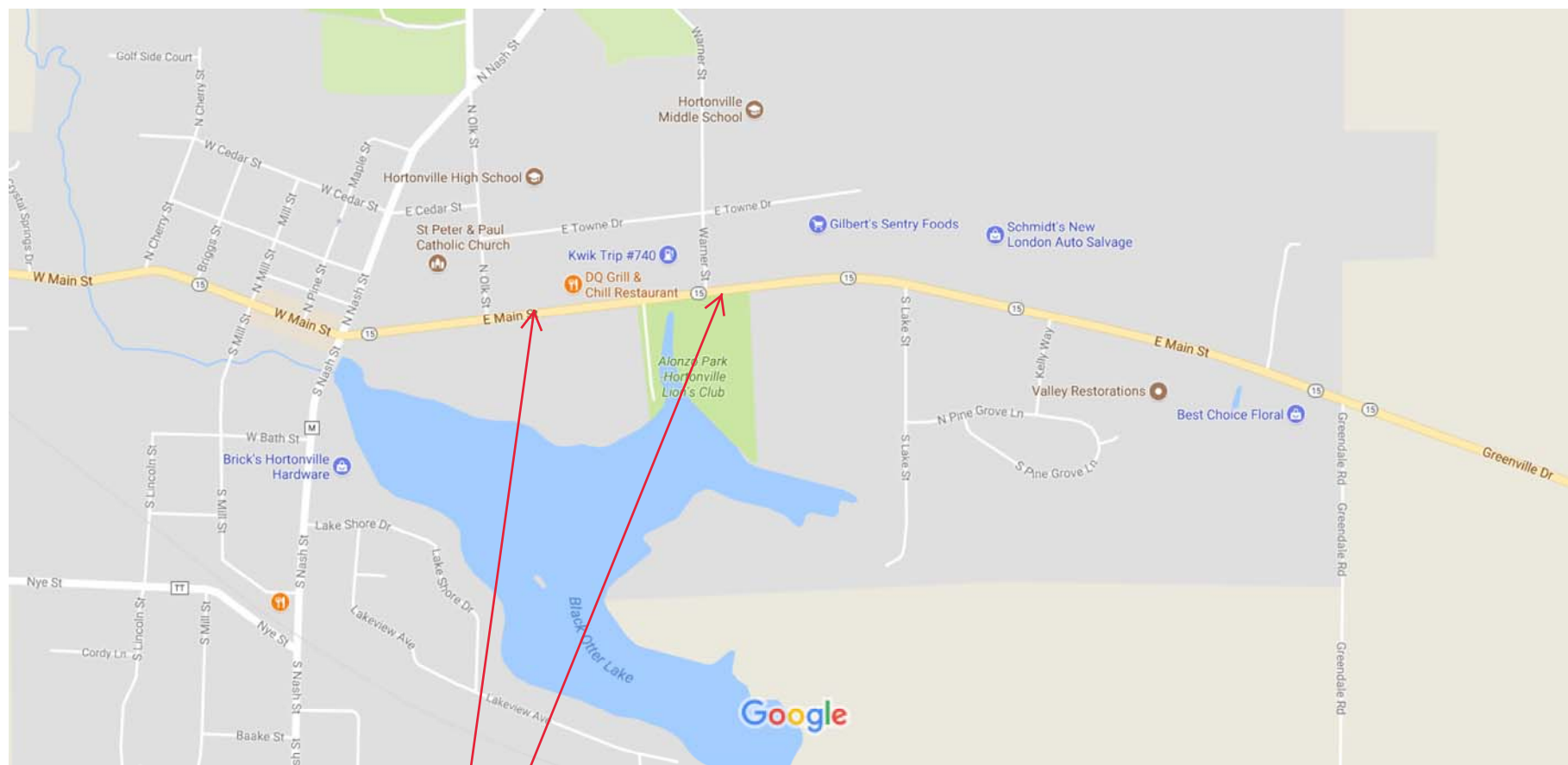
3.4 Non-Metallic Lines

Any non metallic pipe, cable or other kind of utility line which lacks a continuous and integral metallic component capable of detection by locating instruments shall be accompanied in its location by a continuous detectable metallic tracer wire or metallic tape.

3.5 Casing

Where crossings by underground lines are encased in protective conduit or duct, the encasement shall extend at least two feet beyond the toe of slope or three feet beyond the ditch line. On curbed sections, it shall extend at least outside the outer curbs.

Google Maps



Map data ©2017 Google United States 500 ft

**CLICK LINK TO VIEW THIS
AREA IN GOOGLE MAPS**



ELEC WR WE 3963407

GAS WR

CITY / TOWN / VILLAGE: V - HORTONVILLE

CUST/PROJ NAME: MIDCON PRODUCTS

PROJECT LOCATION: 262 E. MAIN STREET

WORK DESCRIPTION: RELOCATE 15KV OVERHEAD PRIMARY
FOR BUILDING ADDITION CLEARANCES

PREPARED BY: S. ZIEGENHAGEN

E-MAIL: Sue.Ziegenhagen@we-energies.com

OFFICE #: 920-380-3461 CELL #: 920-858-8476

PAGER #: IO #: 75673

PROJECT ID: WE3963407 CGS #:

DATE PREPARED: 8/10/2017

DATE REVISED:

STAKING REQUIREMENTS:

☒ SURVEYOR ☐ STAKED
☐ DESIGNER ☐ NOT NEEDED

MAIN / SERVICE IN EASEMENT:

☐ YES ☒ NO

RESTORE PRIVATE PROPERTY: ☐ WE ENERGIES ☒ CUSTOMER

WORK IS APPROX 508 FT, DIRECTION WEST OF CL OF
WERNER STREET NEAREST CROSS STREET
(ALSO FOR GAS SERVICE TEE)

ELECTRIC INFORMATION

OPER MAP #: 3672-9080-04 FEEDER/LINE #: F HTN 53

CATV JOINT USE #: TEL JOINT USE #:

PROPOSED GAS SERVICE INFORMATION

MTR SIZE: MTR TYPE: PRES:

SERV PIPE SIZE: MATERIAL:

MTR LOC: FT. OF CORNER

CONSTRUCTION TYPE:

☐ EFV
☐ RELIGHT
☐ CURB VLV
☐ TIE IN PIPING

WIRE KEY:

F3 - 3 # 336ACSR

F7 - 3 # 336ACSR

N - 1 # 2ACSR

N3 - 1 # 3/0ACSR

N4 - 1 # 336ACSR

S - 6DX

S2 - 2TXR

S3 - 1/0TXR

S6 - 750TXR

S7 - 1/0TXF

S8 - 4/0TXF

\$9 - 1 # 750QXR

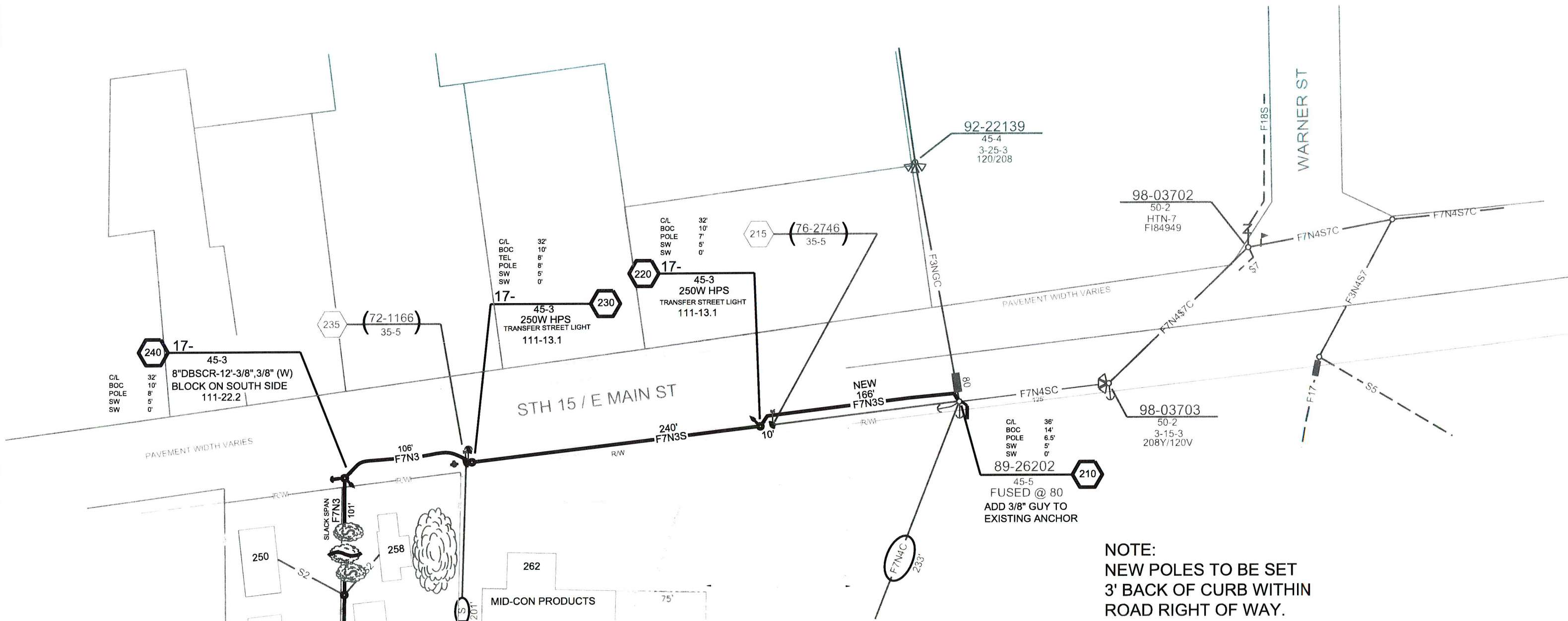
277Y/480V

C - COMMUNICATIONS

FOR TRAFFIC CONTROL:

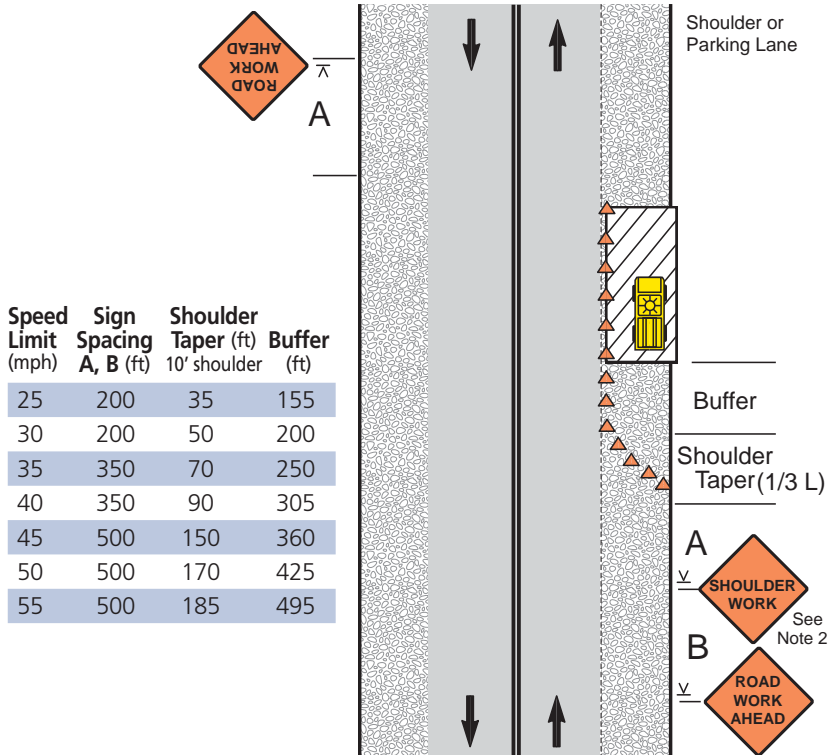
REFERENCE 'WORK ZONE SAFETY GUIDELINES
JANUARY 2006' PAGE 31 "LANE CLOSURE ON A
FOUR-LANE UNDIVIDED ROAD".

**- CHECK BEFORE DIGGING -
THIS PRINT IS NOT TO
BE USED FOR EXCAVATION
CLEARANCE PURPOSE**



NOTE:
NEW POLES TO BE SET
3' BACK OF CURB WITHIN
ROAD RIGHT OF WAY.

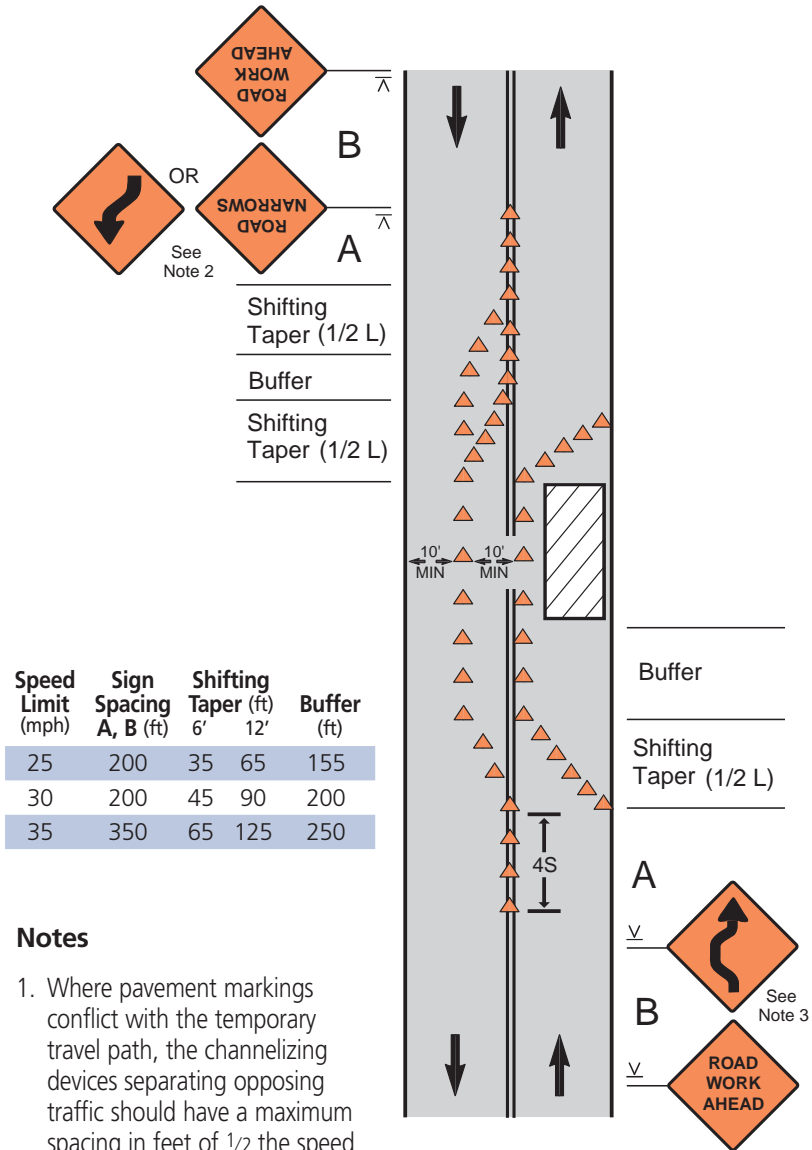
Work on Shoulder or Parking Lane



Notes

1. Encroachment into the traffic lane is allowable, but a 10-foot minimum travel lane width should be maintained. A lane closure should be considered if there is encroachment on roads with speeds greater than 35 mph, or for other conditions where workers, equipment, or the work activity would benefit from the lateral buffer (see pages 22 and 23).
2. If there is encroachment into the traffic lane, a ROAD NARROWS sign may be used instead of SHOULDER WORK. For roads with low volume, the SHOULDER WORK or ROAD NARROWS sign can be omitted.
3. For short duration work (60 minutes or less), the channelizing devices may be omitted if a vehicle with activated high intensity lights is used. For short duration work with no lane encroachment, the signs may also be omitted.
4. Workers, UTILITY WORK AHEAD, SHOULDER WORK AHEAD, or SURVEY CREW signs may be used instead of SHOULDER WORK or ROAD WORK AHEAD.
5. When work area is at least 2' from traffic lane on roads with low volume and speeds of 35 mph or less, the sign on opposite side can be omitted.

Work in Travel Lane (Maintaining Two-Way Traffic, 35 MPH or Less)

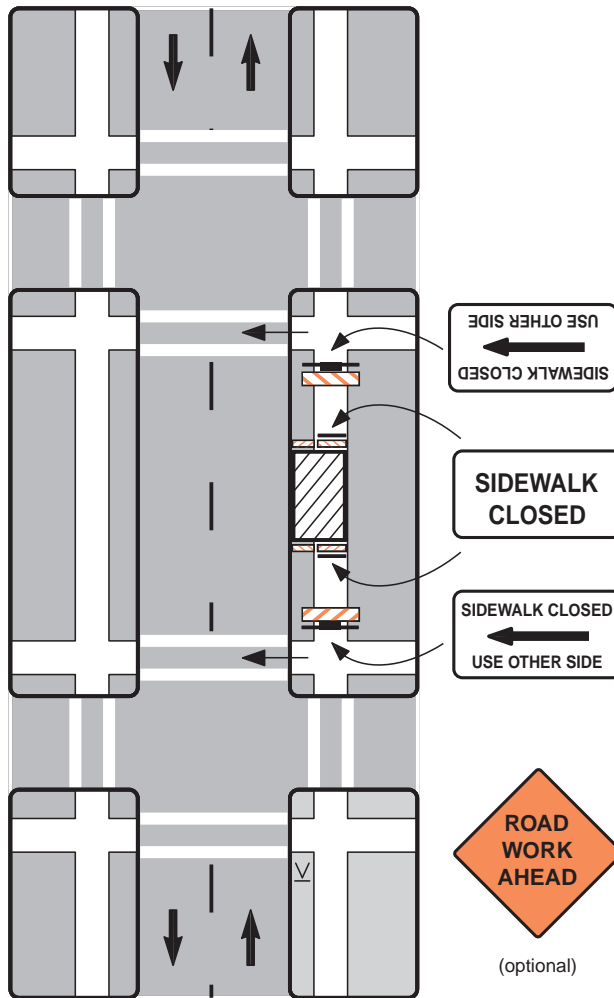


Pedestrian and Bicyclist Safety

It is important to provide continuous access for pedestrians, bicyclists, and to bus stops. If pedestrian or bicycle travel paths are closed or disrupted by construction, maintenance, or utility operations, traffic control is needed. This includes using signs, channelizing devices, etc. to direct pedestrians and bicyclists through or around the work site, or to alternate routes. Major considerations in planning for pedestrian and bicyclist safety are:

- Do not lead pedestrians or bicyclists into conflicts with work site vehicles, equipment, or operations, nor traffic moving through or around the work site. Obstructions should be clearly marked, especially at night.
- Do not block or relocate pedestrian or bicycle routes for non-construction activities such as parking for vehicles and equipment.
- Provide pedestrians with a safe, convenient and clearly delineated travel path that replicates as nearly as practical the most desirable characteristics of existing sidewalks or footpaths. Signals and devices mounted lower than 7 feet should not project more than 4 inches into pedestrian facilities.
- Where sidewalks are closed or relocated, provisions shall be made for disabled pedestrians. When it is determined a facility should be accessible to pedestrians with visual disabilities, continuously detectable edging should be provided for pedestrians using long canes for guidance. Examples include interconnected barrier, curb, lumber, or fencing with a continuous bottom rail. If channelizing devices are used there cannot be gaps between the bases. Audible devices should be considered to provide communication of closings and crosswalk changes to pedestrians with visual disabilities. Audible devices might not be needed if detectable channelization makes an alternate route of travel evident to persons with visual disabilities.
- Advance notification of sidewalk closures shall be provided to the maintaining agency.

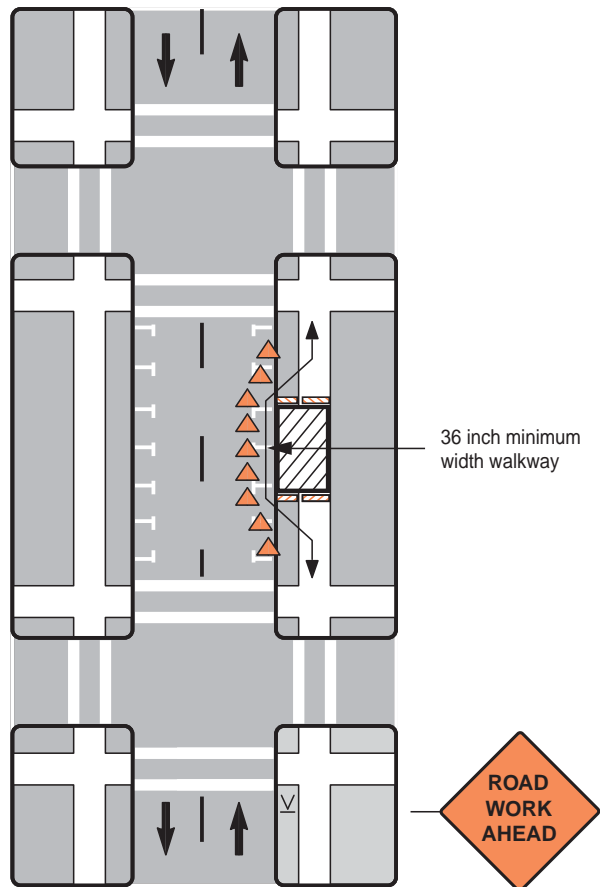
Sidewalk Closure (Pedestrian Detour)



Notes

1. Additional advance warning may be necessary.
2. Only the traffic control devices related to pedestrians are shown. Other devices may be needed to control traffic on the streets such as lane closure signs, ROAD NARROWS or LANE NARROWS signs.
3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways.
4. Audible devices should be considered to alert pedestrians with visual disabilities of closings and crosswalk changes.

Sidewalk Closure (Pedestrian Walkway Provided)



Notes

1. Additional advance warning may be necessary.
2. Only the traffic control devices related to pedestrians are shown. Other devices such as lane closure signs, ROAD NARROWS or LANE NARROWS signs may be needed to control traffic on the streets.
3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways. Type C or Type D steady-burn lights may be used on channelizing devices separating the temporary walkway from vehicular traffic.
4. Where high speeds are likely, a barrier should separate the temporary walkway from vehicular traffic. Refer to Section 6D.01 of Part 6 of the MUTCD for information on barriers.
5. Signs may be placed along a temporary walkway to guide pedestrians; for example, Keep Right or Keep Left signs.