



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Meeting Agenda - Final

### Board of Public Works

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Monday, September 16, 2024

10:00 AM

Council Chambers  
City Hall, First Floor

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*The Board of Public Works meeting is open for in-person attendance and will also be conducted through video conferencing. The meeting can be viewed by visiting the Legislative Information Center (<https://cityoflacrosse.legistar.com/Calendar.aspx>) and clicking on the video link to the far right in the meeting list.)*

#### Call to Order

#### Roll Call

*Mitch Reynolds, Tamra Dickinson, Rebecca Schwarz, Andrea Trane, Matthew Gallager.*

#### Approval of Minutes

*Minutes from September 9, 2024.*

#### Agenda Items:

- [24-0864](#) Request to approve Temporary Street Privilege Permit end date extension for 403 Jackson St.
- [24-1195](#) Public right-of-way policy for Oktoberfest Parades.
- [24-1231](#) Charter Communications SPP request for communications in ROW near 3160 Airport Rd.
- [24-1232](#) Charter Communications SPP request for communications in ROW near Bennora Lee Ct.
- [24-1233](#) Metro Fibernet LLC SPP request for communications in ROW North on Moore St and South towards Rublee St.
- [24-1246](#) Request to change designation of certain City Hall parking areas.

#### Adjournment

*Notice is further given that members of other governmental bodies may be present at the above scheduled meeting to gather information about a subject over which they have decision-making responsibility.*

*NOTICE TO PERSONS WITH A DISABILITY*

*Requests from persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (608) 789-7510 or send an email to [ADAcityclerk@cityoflacrosse.org](mailto:ADAcityclerk@cityoflacrosse.org), with as much advance notice as possible.*



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Text File

File Number: 24-0864

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**Agenda Date:** 9/16/2024

**Version:** 1

**Status:** Agenda Ready

**In Control:** Board of Public Works

**File Type:** General Item



### TEMPORARY STREET PRIVILEGE PERMIT

Engineering Dept. • Phone: (608) 789-7505 • Fax: (608) 789-8184  
http://www.cityoflacrosse.org engineering@cityoflacrosse.org

|            |             |
|------------|-------------|
| Permit No: | 2024-027.03 |
| Date:      | 3/27/24     |
| Parcel ID: |             |

|         |                  |
|---------|------------------|
| STATUS: | Permit Type: TSP |
|---------|------------------|

|   |                     |        |          |           |                                  |
|---|---------------------|--------|----------|-----------|----------------------------------|
| Name:                                   | Barton Construction |        |          |           |                                  |
| Address:                                | 2 Copeland Ave      |        |          |           |                                  |
| City:                                   | La Crosse           | State: | WI       | Zip Code: | 54603                            |
| Phone:                                  | 779 0700            | Cell:  | 798 2952 | Fax:      |                                  |
| Vehicle License Number (If Applicable): |                     | Tag #: |          | Email:    | danmiller@bartonconstruction.com |

|                        |  |                 |           |                   |          |
|------------------------|--|-----------------|-----------|-------------------|----------|
| Location:              | 403 Jackson Street                           |                 |           |                   |          |
| Area to be occupied:   | Traffic Lane(s)                              | Parking Lane(s) | Boulevard | Sidewalk          | Alley    |
| Purpose for permit:    | Construction of The Collective               |                 |           |                   |          |
| Additional Conditions: | sidewalks along Jackson and 4th to be closed |                 |           |                   |          |
| Start Date:            | <del>3/21/24</del>                           | 9/22/24         | End Date: | <del>4/1/25</del> | 12/21/24 |

|                   |  |
|-------------------|--|
| Invoice #:        | Fee: \$  |
|                   | (\$35.00 first 5 days, \$2.00 each additional day)   |
| Permit issued by: |  |
| Comments:         |  |
|                   | -Original Application approved from 3/27/24-06/24/24<br>-1st 90day extension approved from 6/24/24-9/22/24 |

The undersigned understands and agrees to the following: 1) The permitted work shall comply with all permit provisions and conditions listed on and attached to this form; 2) That insurance requirements shall be met prior to approval either by submitting information with application or by keeping current information on file with the Engineering Dept.; 3) The applicant shall contact City Dispatch and the City Traffic Engineer 24 hours prior to the closure of any traffic lanes and shall provide an estimate of the duration of the closure. Temporary traffic control shall be provided and maintained by the applicant and shall comply with Part 6 of the *Manual on Uniform Traffic Control Devices (MUTCD)*.

Note: Once invoiced, application fees may not be refunded. Details of permit, including dates, may be modified with approval of the Engineering Department.

Dan Miller  
(PRINT) AUTHORIZED REPRESENTATIVE

DM  
TITLE

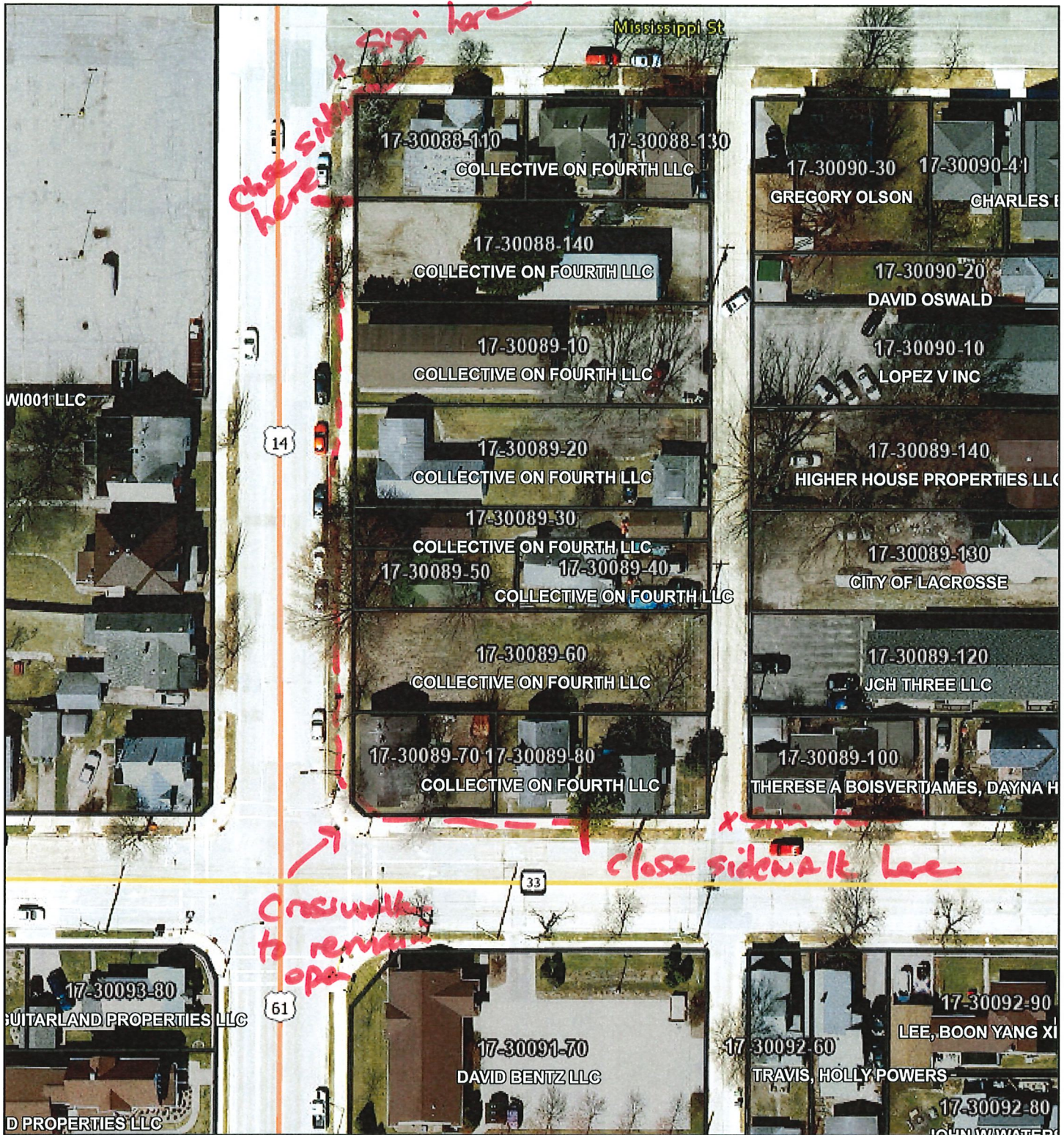
                      
DATE

[Signature]  
(SIGN) AUTHORIZED REPRESENTATIVE

                      
TITLE

3/27/24  
DATE

# ArcGIS Web Map

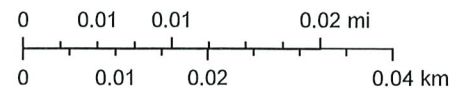


3/27/2024, 7:29:48 AM

1:1,128

- Municipality Limits Labels
- Tax Roll Owner Info and Labels
- Municipality Limits
- Tax Parcels

- Road\_Centerlines\_FinalCS
- Federal Highway
- State Highway
- Local Road



La Crosse County



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Text File

File Number: 24-1195

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**Agenda Date:** 9/16/2024

**Version:** 1

**Status:** Agenda Ready

**In Control:** Board of Public Works

**File Type:** General Item

**Agenda Number:**

## PUBLIC RIGHT OF WAY POLICY FOR OKTOBERFEST PARADE

In order that the greatest number of people may enjoy the annual Oktoberfest parade and to avoid injuries, no person shall place obstructions such as couches, chairs, or other items on the public boulevards, public sidewalks or public right-of-way sooner than 12:00 midnight prior to the parade. All such items must be removed immediately following the parade. The parking of cars, trucks, flatbeds, trailers, campers or any vehicle of any type and placing of stakes and ropes on the public sidewalks, boulevard or right-of-way is prohibited at all times.

Persons violating this policy may be subject to a \$124.00 forfeiture pursuant to Section 40-6 of the City of La Crosse Municipal Code and loss of property plus cost of removal.

CITY OF LA CROSSE  
BOARD OF PUBLIC WORKS

Publish as 2 column display  
September 19, 2024  
1 Affidavit



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Text File

File Number: 24-1231

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**Agenda Date:** 9/16/2024

**Version:** 1

**Status:** Agenda Ready

**In Control:** Board of Public Works

**File Type:** General Item





**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION  
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)**

City of La Crosse Engineering Department

Phone: 608-789-7505 Email: [engineering@cityoflacrosse.org](mailto:engineering@cityoflacrosse.org) <http://cityoflacrosse.org>

Encroachment Owner: Perry McClellan-Charter Communications #5413980  
 Address: 1228 12th Ave S City: Onalaska State: WI Zip: 54650  
 Phone # 715-519-0033 608-783-8122 Email Address Perry.McClellan@charter.com

Application Preparer (if different from above) Michele Peterson-Mi-Tech Services  
 Relationship with Owner: contractor for design and permitting  
 Phone # 920-924-3690 ext 3528 Email Address mpeterso@mi-tech.us

**Description of Proposed Encroachment:**

bore conduit in the right of way, place new peds

**Encroachment Addresses (List by Street and 100 blocks):**

Airport Rd

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: Perry McClellan Date: 6/14/2024  
 Print Name and Title: Perry McClellan Construction Coordinator

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

**BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY**

**Required items to be provided by Applicant:**

Scale Drawing of encroachments   
 (Complete Utility Locate by Digger's Hotline Required)

Certificate of Insurance (City as additional Insured)

Initial Application Fee \$ 100.00

City Utility Potential Conflict Notification and Sign-Off

**Board of Public Works**

**Approval Date:**

**Encroachment Type:**

**Permit Number:**

All Fees are Non-Refundable & Subject to change by City Council

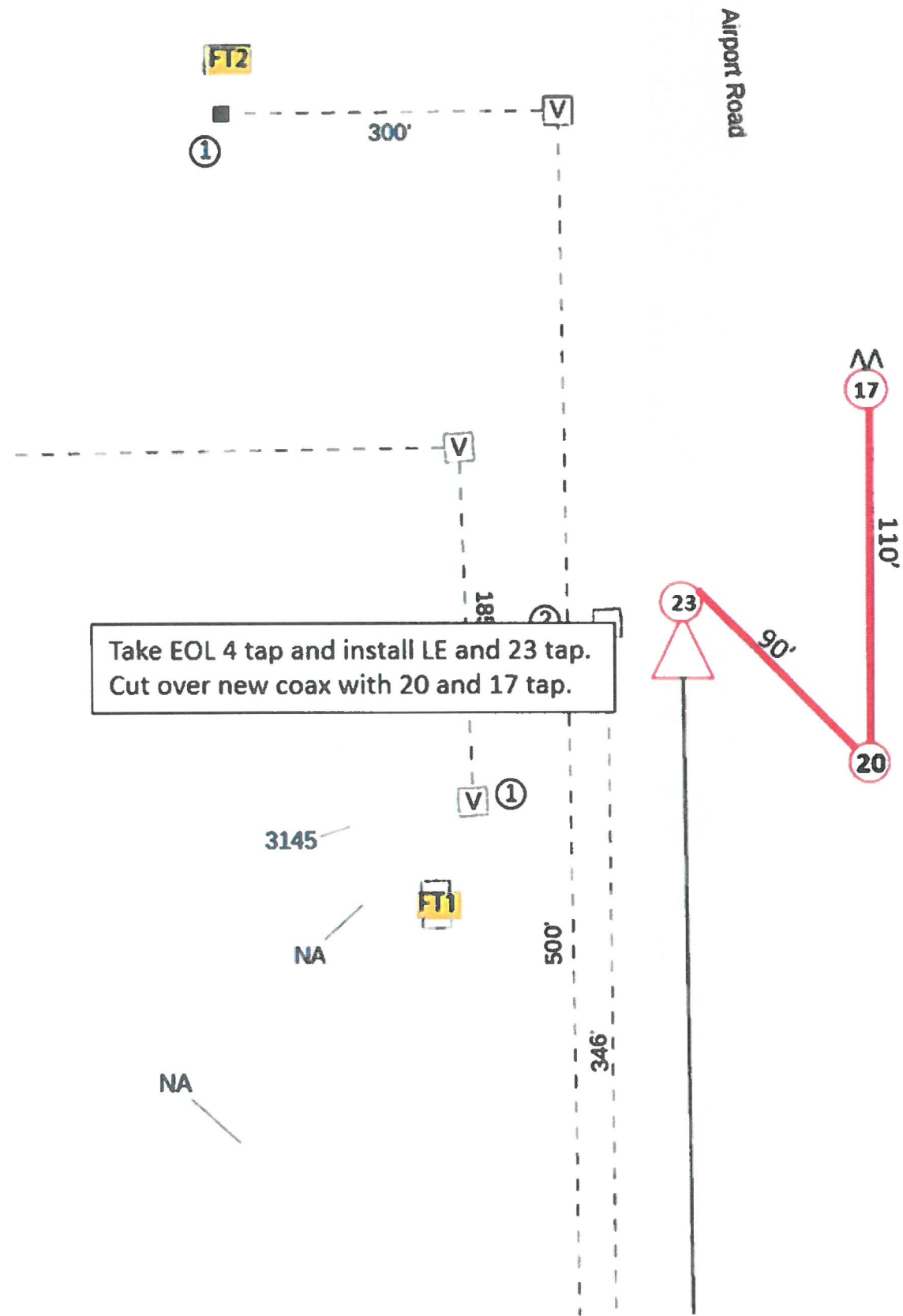
**SHEET 1 OF 2**

## Survey Info

|                        |   |                           |  |                                |                     |
|------------------------|---|---------------------------|--|--------------------------------|---------------------|
| PRISM ID:              | <a href="#">5413980 - Map</a>           | Originator:               | SRO Billing Integration                  | Business/Company Name:         | REGAL PLASTIC, *    |
| Construction Type:     | Single Site                             | Const Supervisor:         | Brennan, Tim A (P2346651)                | Address:                       | 3160 AIRPORT RD     |
| Process State:         | S2 - Survey in Progress                 | Construction Coordinator: | Chartier, Chad W (cchartier) - cchartier | City/State/Zip:                | LA CROSSE, WI 54603 |
| Project Status:        | In Progress                             | Total Project Cost:       | 5377.68                                  | Cross Street:                  |                     |
| Input Date:            | 06/02/24                                | Total Passings:           | 2  | Prop Dev Status:               |                     |
| Hub:                   | LACROSS - ONALASKA-WI Tentative Svc Dt: |                           |  | Coax: Yes                      | Fiber: N/A          |
| Node:                  | 40024 - 40024                           | Entity:                   | 1108                                     | Construction Survey Completed: | Yes                 |
| Construction Due Date: |   | Priority Class:           |  | Construction Sub Type:         | BAU                 |

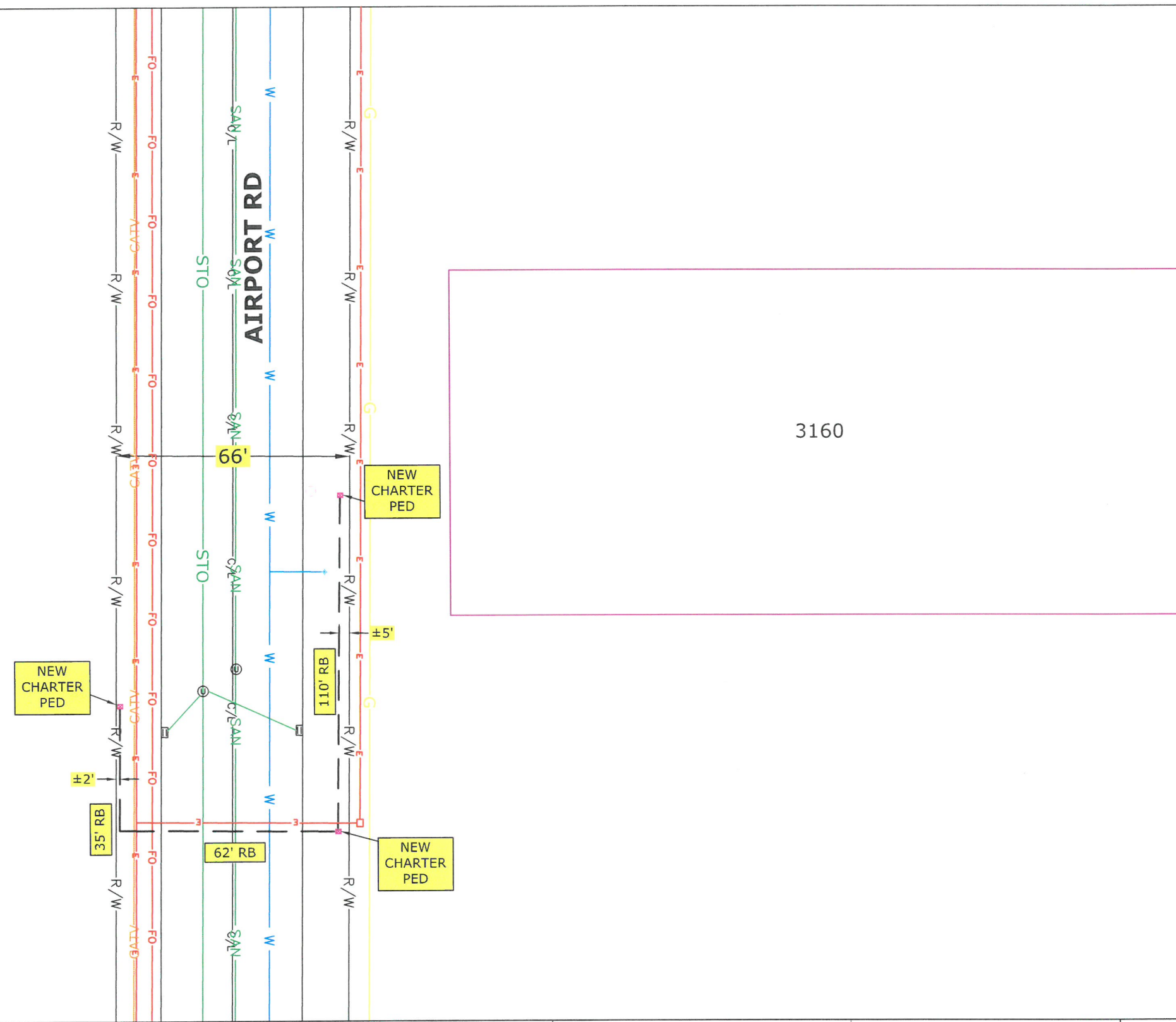
### ▼ Contacts

| Name               | Email                         | Primary Site | Phone Type | Phone          | Type              | AE SIs ID |
|--------------------|-------------------------------|--------------|------------|----------------|-------------------|-----------|
| REGAL PLASTIC, *   |                               | Yes          | Mobile     | (816) 621-2154 | Customer          | 87927     |
| Montgomery, Tamara | Tamara.Montgomery@charter.com | No           | Work       | (999) 999-9999 | Account Executive | 87927     |



Red Line:  
 Bore 2" stuff 625  
 LE and 17 tap need a ground round.  
 Install new black bottom ped at LE location and bullet peds at the tap locations.





**CONSTRUCTION NOTE:**  
 BURY CABLE AT A MINIMUM OF 30" DEPTH  
 UNLESS OTHERWISE NOTED ON PRINTS.

**CONSTRUCTION NOTE:**  
 CHARTER COMMUNICATIONS WILL PLACE  
 PROPOSED CABLES IN CORRIDOR AS CLOSE TO  
 THE BACK OF RIGHT-OF-WAY AS POSSIBLE,  
 PENDING LOCATES.

**LEGEND**  
 TB : TREE BORE(DIRECTIONAL BORE)  
 RB : ROAD BORE (DIRECTIONAL BORE)  
 T : TRENCH  
 HD : HAND DIG  
 P : PLOW

**CHARTER COMMUNICATIONS PROPOSES  
 TO BURY COAX COMMUNICATION CABLE  
 IN A 2" CONDUIT**

--- = COAX CABLE  
 ⊕ = POTHOLE UTILITIES

**CONSTRUCTION NOTE:**  
 POTHOLE WHERE  
 NECESSARY AND ADJUST  
 DEPTH ACCORDINGLY

THE UTILITIES SHOWN ON THIS PLAN ARE  
 INDICATED IN ACCORDANCE WITH AVAILABLE  
 RECORDS. THE CONTRACTOR SHALL BE  
 RESPONSIBLE FOR OBTAINING EXACT  
 LOCATIONS AND ELEVATIONS OF ALL UTILITIES  
 FROM THE OWNERS OF THE RESPECTIVE  
 UTILITIES AND FROM FIELD VERIFICATION.

SCOPE OF WORK MAY NOT  
 BE INCLUSIVE OF ALL FEDERAL/STATE/LOCAL  
 PERMITS REQUIRED FOR PROJECT. CLIENT IS  
 RESPONSIBLE FOR ANY ADDITIONAL REVIEW  
 AND/OR PERMITS NOT SPECIFICALLY  
 DICTATED IN OUR SCOPE OF WORK.

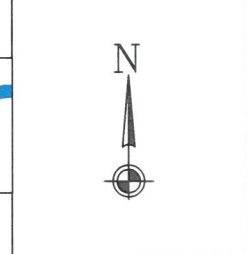
**CONTACT THE STREET DEPARTMENT FOR  
 ANY CONCRETE OR ASPHALT REMOVAL  
 1-608-789-7340 (TROY SCHMUTZER)**

| LEGEND               |                  |                            |                      |
|----------------------|------------------|----------------------------|----------------------|
| ○ JOINT POLE         | ANCHOR           | □ MANHOLE                  | — GROUND             |
| ⊗ NEW JOINT POLE     | NEW ANKHOP       | ○ 100' EXISTING FIBER COIL | — NEW GROUND         |
| ○ POWER POLE         | JOINT ANCHOR     | ○ 100' NEW FIBER COIL      | — PROPERTY LINE      |
| ✕ NEW POWER POLE     | NEW JOINT ANCHOR | □ EXISTING HAND HOLE       | — ROADWAY CENTERLINE |
| ○ TELEPHONE POLE     | FOREIGN ANCHOR   | □ NEW HAND HOLE            | ● FIBER WARNING SIGN |
| ● NEW TELEPHONE POLE | DOWNGUY          | □ SHRUBS                   | — HD TRAFFIC LIGHT   |
| □ EXISTING PEDESTAL  | NEW DOWNGUY      | ○ DECIDUOUS TREE           | — HYDRANT            |
| ■ NEW PEDESTAL       | UTILIT. VALVE    |                            | — STREET LIGHT       |
|                      |                  |                            | — CONIFEROUS TREE    |

| LINETYPES       |          |
|-----------------|----------|
| PROPOSED FIBER  | — F —    |
| PROPOSED STRAND | — S —    |
| GAS             | — G —    |
| WATER           | — W —    |
| ELECTRICAL      | — E —    |
| STORM           | — STO —  |
| SANITARY        | — SAN —  |
| CABLE TV        | — CATV — |
| NEW AERIAL      | — A —    |

PROJECT # 5413980  
 PERMIT ID #5413980CITY

1228 12TH AVE S  
 ONALASKA, WI 54650



| ADDRESS         |           | LOCATION      |   |
|-----------------|-----------|---------------|---|
| 3160 AIRPORT RD |           | LA CROSSE, WI |   |
| FIELD BY:       | DATE:     |               |   |
| DRAFTED BY:     | DATE:     |               |   |
| MP              | 6/14/2024 |               | 1 |
| DESIGNED BY:    | DATE:     |               |   |
| ASBULTS BY:     | DATE:     |               |   |

(920)465-8018  
 GREEN BAY, BROWNSVILLE,  
 NEW BERLIN & MINNEAPOLIS





Take out metal tap ped and install black bottom amp ped.



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Text File

File Number: 24-1232

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**Agenda Date:** 9/16/2024

**Version:** 1

**Status:** Agenda Ready

**In Control:** Board of Public Works

**File Type:** General Item

**Agenda Number:**



**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION  
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)**

City of La Crosse Engineering Department

Phone: 608-789-7505 Email: [engineering@cityoflacrosse.org](mailto:engineering@cityoflacrosse.org) <http://cityoflacrosse.org>

Encroachment Owner: Perry McClellan-Charter Communications #5536102  
Address: 1228 12th Ave S City: Onalaska State: WI Zip: 54650  
Phone # 715-519-0033 608-783-8122 Email Address Perry.McClellan@charter.com

Application Preparer (if different from above) Michele Peterson-Mi-Tech Services  
Relationship with Owner: contractor for design and permitting  
Phone # 920-924-3690 ext 3528 Email Address mpeterso@mi-tech.us

**Description of Proposed Encroachment:**

bore conduit in the right of way,

**Encroachment Addresses (List by Street and 100 blocks):**

Bennora Lee Ct

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: Perry McClellan Date: 8/26/2024  
Print Name and Title: Perry McClellan Construction Coordinator

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

**BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY**

**Required items to be provided by Applicant:**

Scale Drawing of encroachments   
(Complete Utility Locate by Digger's Hotline Required)

Certificate of Insurance (City as additional Insured)

Initial Application Fee \$ 100.00

City Utility Potential Conflict Notification and Sign-Off

**Board of Public Works  
Approval Date:**

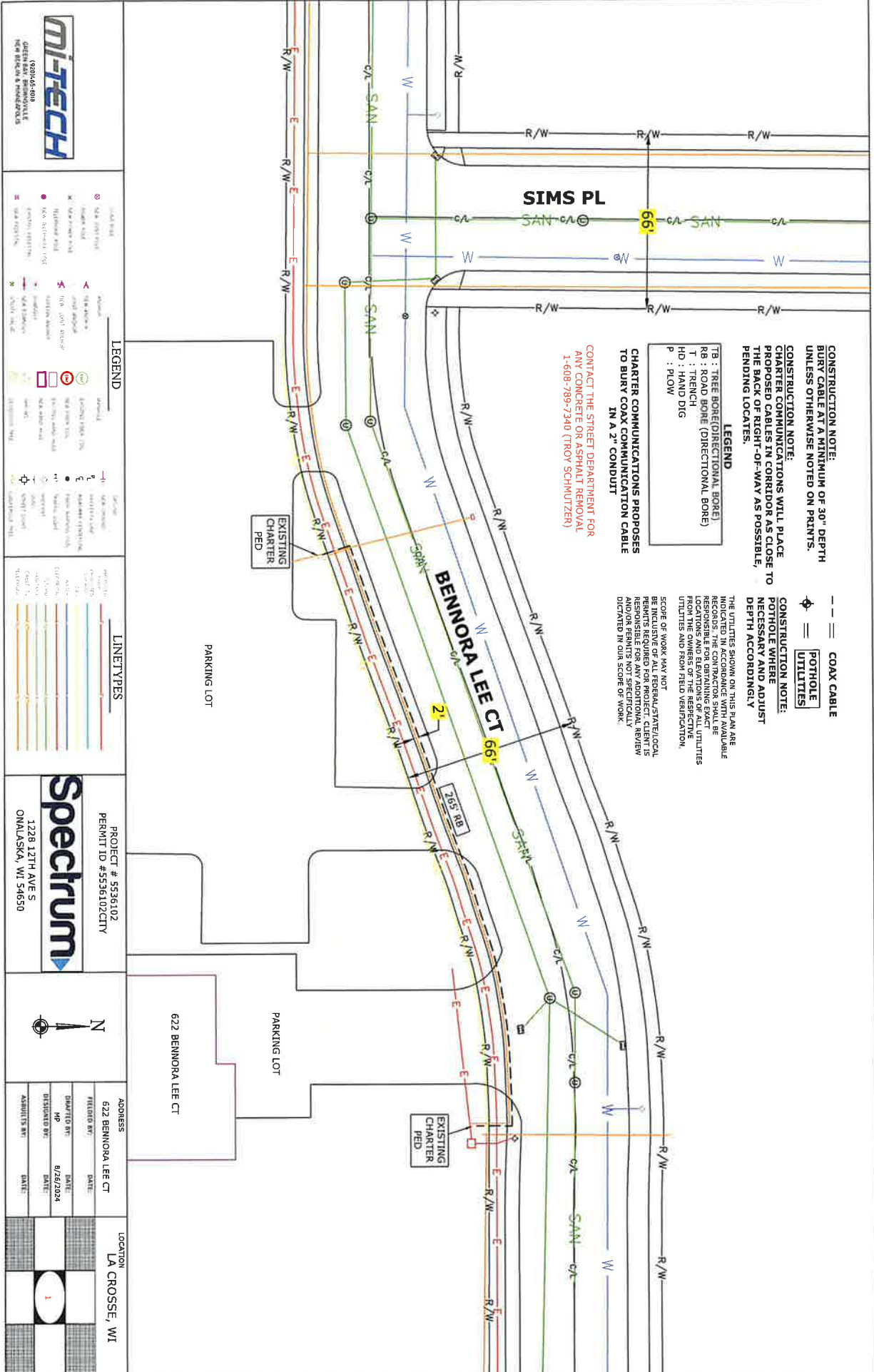
**Encroachment Type:**

**Permit Number:**

All Fees are Non-Refundable & Subject to change by City Council

**SHEET 1 OF 2**





**CONSTRUCTION NOTE:**  
 BURY CABLE AT A MINIMUM OF 30" DEPTH UNLESS OTHERWISE NOTED ON PRINTS.

**CONSTRUCTION NOTE:**  
 CHARTER COMMUNICATIONS WILL PLACE PROPOSED CABLES IN CORRIDOR AS CLOSE TO THE BACK OF RIGHT-OF-WAY AS POSSIBLE, PENDING LOCATES.

**LEGEND**

- TB : TREE BONE (DIRECTIONAL BONE)
- RB : ROAD BONE (DIRECTIONAL BONE)
- I : TRENCH
- HD : HAND DIG
- P : FLOW

**CONTACT THE STREET DEPARTMENT FOR ANY CONCRETE OR ASPHALT REMOVAL 1-608-789-7340 (TROT SCHMIDTZER)**

**CHARTER COMMUNICATIONS PROPOSES TO BURY COAX COMMUNICATION CABLE IN A 2' CONDUIT**

--- COAX CABLE  
 [Symbol] POTHOLE UTILITIES

**CONSTRUCTION NOTE:**  
 POT HOLE WHERE NECESSARY AND ADJUST DEPTH ACCORDINGLY

THE UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THESE RECORDS MAY BE INCOMPLETE AND LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES AND FROM FIELD VERIFICATION. SCOPE OF WORK MAY NOT BE INCLUSIVE OF ALL FEDERAL/STATE/LOCAL PERMITS REQUIRED FOR PROJECT. CLIENTS ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY AND/OR PERMITS NOT SPECIFICALLY DICTATED IN OUR SCOPE OF WORK.

**LEGEND**

| Symbol   | Description            |
|----------|------------------------|
| [Symbol] | MANHOLE                |
| [Symbol] | POTHOLE                |
| [Symbol] | EXISTING CHARACTER PED |
| [Symbol] | NEW CHARACTER PED      |
| [Symbol] | EXISTING UTILITY       |
| [Symbol] | NEW UTILITY            |
| [Symbol] | EXISTING SAN           |
| [Symbol] | NEW SAN                |
| [Symbol] | EXISTING W             |
| [Symbol] | NEW W                  |
| [Symbol] | EXISTING E             |
| [Symbol] | NEW E                  |
| [Symbol] | EXISTING R/W           |
| [Symbol] | NEW R/W                |
| [Symbol] | EXISTING PARKING LOT   |
| [Symbol] | NEW PARKING LOT        |

**LINE TYPES**

| Line Style                    | Description          |
|-------------------------------|----------------------|
| [Solid Line]                  | EXISTING UTILITY     |
| [Dashed Line]                 | NEW UTILITY          |
| [Dotted Line]                 | EXISTING SAN         |
| [Dash-dot Line]               | NEW SAN              |
| [Long-dash Line]              | EXISTING W           |
| [Short-dash Line]             | NEW W                |
| [Dash-dot-dot Line]           | EXISTING E           |
| [Dash-dot-dot-dot Line]       | NEW E                |
| [Dotted-dot Line]             | EXISTING R/W         |
| [Dotted-dot-dot Line]         | NEW R/W              |
| [Dotted-dot-dot-dot Line]     | EXISTING PARKING LOT |
| [Dotted-dot-dot-dot-dot Line] | NEW PARKING LOT      |

**Spectrum**  
 PROJECT # 5536102  
 PERMIT ID #5536102CITY  
 1228 13TH AVE S  
 OMAHA, WI 54650

| ADDRESS            |       | LOCATION      |  |
|--------------------|-------|---------------|--|
| 622 BENNORA LEE CT |       | LA CROSSE, WI |  |
| FILED BY:          | DATE: |               |  |
| DRAWN BY:          | DATE: |               |  |
| MP:                | DATE: |               |  |
| DESIGNED BY:       | DATE: |               |  |
| ASSEMBLED BY:      | DATE: |               |  |



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Text File

File Number: 24-1233

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**Agenda Date:** 9/16/2024

**Version:** 1

**Status:** Agenda Ready

**In Control:** Board of Public Works

**File Type:** General Item

**Agenda Number:**



**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION  
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)  
City of La Crosse Engineering Department**

Phone: 608-789-7505 Email: [engineering@cityoflacrosse.org](mailto:engineering@cityoflacrosse.org) <http://cityoflacrosse.org>

Encroachment Owner: \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone # \_\_\_\_\_ Email Address \_\_\_\_\_

Application Preparer (if different from above) \_\_\_\_\_  
 Relationship with Owner: \_\_\_\_\_  
 Phone # \_\_\_\_\_ Email Address \_\_\_\_\_

**Description of Proposed Encroachment:**

**Encroachment Addresses (List by Street and 100 blocks):**

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print Name and Title: \_\_\_\_\_

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

-----  
**BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY**  
 -----

**Required items to be provided by Applicant:**

- Scale Drawing of encroachments   
 (Complete Utility Locate by Digger's Hotline Required)
- Certificate of Insurance (City as additional Insured)
- Initial Application Fee \$ \_\_\_\_\_
- City Utility Potential Conflict Notification and Sign-Off

**Board of Public Works  
Approval Date:**

**Encroachment Type:**

**Permit Number:**

**All Fees are Non-Refundable & Subject to change by City Council**

**SHEET 1 OF 2**



## **REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION**

### **City of La Crosse Engineering Department**

Phone: 608-789-7505 Email: [engineering@cityoflacrosse.org](mailto:engineering@cityoflacrosse.org) <http://cityoflacrosse.org>

#### **STREET PRIVILEGE PERMIT CONDITIONS FOR COMMUNICATIONS INSTALLATIONS**

1. The applicant shall be primarily liable for damages to person or property by reason of the granting of this street privilege permit.
2. The applicant shall obtain an excavation permit from the City of La Crosse Engineering Department prior to performing installation or any maintenance on the cable in the City right-of-way that requires excavation or disruption of pavement, sidewalk, curb and gutter, or other structure.
3. The applicant agrees that tracer wires shall be used and final cable location within the street right-of-way shall be approved by the City Engineer. Cable shall be installed not less than 36 inches deep, unless otherwise approved by the City Engineer.
4. Applicant agrees to provide the City of La Crosse with final "as-built" plans when installation is complete.
5. Applicant agrees that any pavement, concrete or green space disturbed during drilling activities shall be restored to its prior condition.
6. Applicant agrees that said installation shall not interfere with the City's water, sanitary sewer, or storm sewer underground infrastructure that may be in the area.
7. Applicant further agrees that they will make arrangements with the public utility companies and the City of La Crosse to clear all public underground utilities prior to initiating such work, and if necessary, applicant will make arrangements with the City of La Crosse to ensure proper traffic control.
8. Applicant waives any and all rights to contest in any way or manner the validity of Sec. 66.0425 of the Wisconsin Statutes and the amount of compensation charged.
9. Applicant agrees to become a member of Diggers Hotline for marking / locating of utility.
10. The applicant for a permit to encroach on the public right-of-way shall procure and maintain for the duration of the permit a minimum liability and contractual liability policy in the amount of \$100,000.00 each person, \$300,000.00 each accident for bodily injury and \$100,000.00 for property damage. A certificate of such insurance shall be filed with the City Attorney as part of the application. The insurance shall name the City, its officials, employees and agents as additional insureds. The Board may approve greater insurance protection on a case-by-case basis.
11. Applicant further agrees to hold harmless the City for any damage to said cable while the City, its agents or contractors are conducting construction for maintenance activities in or upon such area in which said cable lies; provided, however, the City shall make a good faith effort to notify applicant of any maintenance or work in the area of the street privilege permit which may damage applicant's cable.
12. Applicant agrees to remove the cable and return the area to its original condition upon ten (10) days' notice by the Board of Public Works. The applicant further agrees that if it does not remove the cable within ten (10) days after receiving notice, the City is authorized to remove the same and applicant agrees to pay the City for all costs of such removal.
13. Applicant further agrees that the obligations and conditions of this street privilege permit shall be binding upon all heirs, successors and assigns of applicant.
14. The person(s) signing this Permit warrant that they have the authority to sign as, or on behalf of, the party for whom they are signing.



TASK NAME: WILC034

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI, USA

**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
COA# 3620-11  
www.fullerton-us.com

**PROJECT INFORMATION**

**TASK NAME:** WILC034  
**TASK DESCRIPTION:** FIBER OPTIC CONDUIT PLACEMENT  
**SITE LOCATION:** LACROSSE, WI, USA  
**SITE TYPE:** UNDERGROUND FIBER-OPTIC CONSTRUCTION  
**JURISDICTION:** LACROSSE, WI, USA  
**APN:** -  
**ZONING CLASSIFICATION:** -  
**OCCUPANCY TYPE:** -  
**CONSTRUCTION TYPE:** -  
**APPLICANT:** METRO FIBERNET, LLC  
**ADDRESS:** 3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715  
**CONTACT:** TARAN WELCHLIN  
**PHONE:** (608) 606-2043  
**EMAIL:** TARAN.WELCHLIN@METRONET.COM  
**NOTE:** DRAWING SCALES ARE FOR 11"x17" SHEETS UNLESS OTHERWISE NOTED

**PROJECT CONSULTANTS**

**PROJECT MANAGER:** FULLERTON ENGINEERING CONSULTANTS, LLC  
**ADDRESS:** 1100 E. WOODFIELD ROAD, SUITE 500  
**CONTACT:** MICHELLE KAMINSKI  
**PHONE:** (616) 262-5967  
**EMAIL:** MKAMINSKI@FULLERTONENGINEERING.COM  
**ENGINEER:** FULLERTON ENGINEERING CONSULTANTS, LLC  
**ADDRESS:** 1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
**EOR:** DAN SMITH, P.E.  
**PHONE:** 847-908-8521  
**EMAIL:** DSMITH@FULLERTONENGINEERING.COM  
**POWER COMPANY:**  
**PHONE:**  
**TELEPHONE COMPANY:**  
**PHONE:**

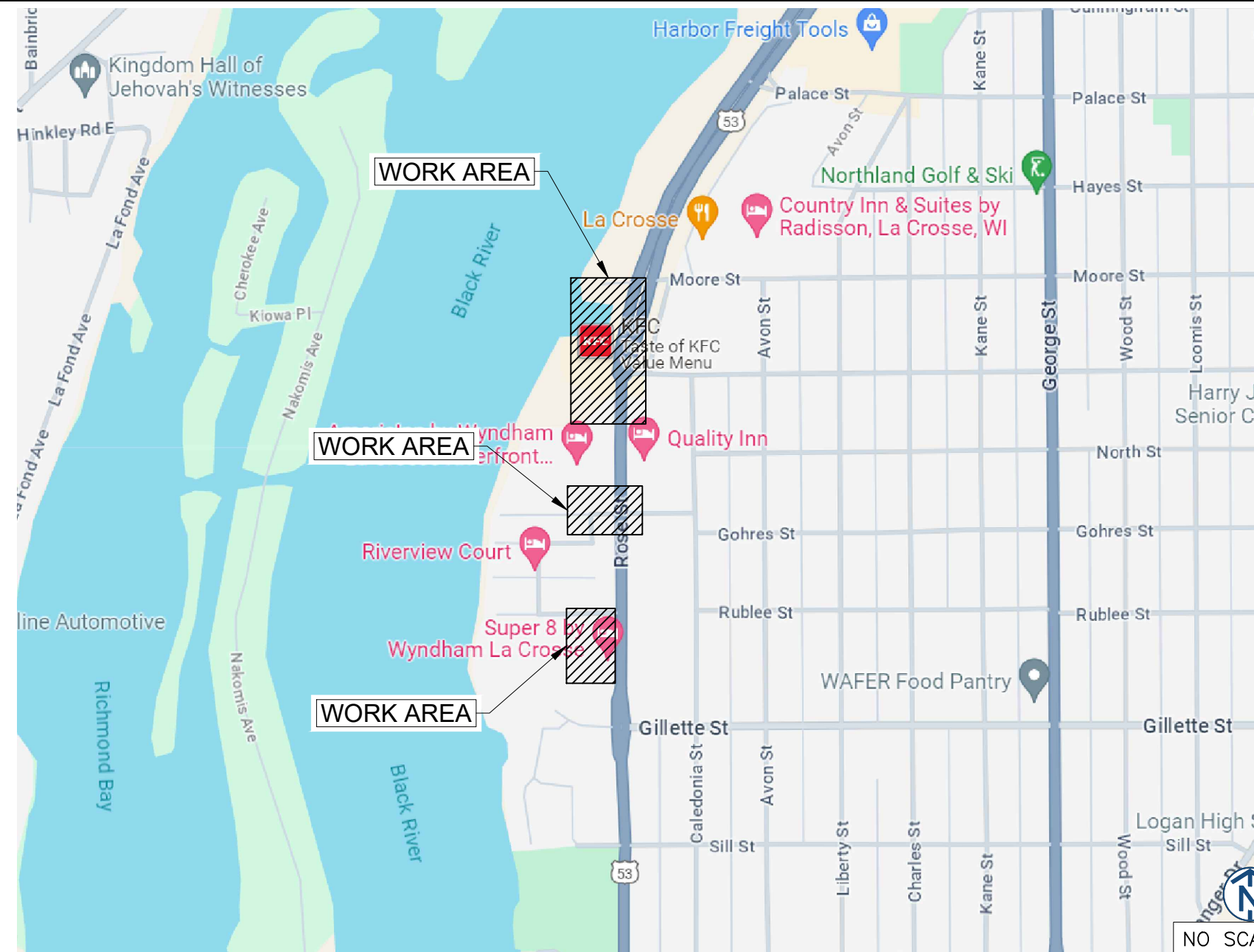
**SCOPE OF WORK**

THE SCOPE OF WORK CONSISTS OF:  
**INSTALLATION OF:**  

- 1,632' OF DIRECTIONAL BORE PATH
- 1,632' OF 1.25" CONDUIT
- (6) DB-HANDHOLE 12X12X13 (DROP BOX)
- (1) B-HANDHOLE 17X30X18(UTILITY BOX)

• ALL MATERIAL SHALL BE INSTALLED BY THE CONTRACTOR, UNLESS STATED OTHERWISE.

**SITE LOCATION MAP**



| REV | DATE     | DESCRIPTION       | BY |
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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TITLE SHEET**

GRID NUMBER









SHEET NUMBER  
T-1

NO SCALE










# LEGEND











## PROPOSED

-  PROPOSED OPEN CUT TRENCH
-  PROPOSED DIRECTIONAL BORE
-  PROPOSED BORE PIT
-  PROPOSED L-HANDHOLE(30X48X24)
-  PROPOSED M-HANDHOLE(24X36X18)
-  PROPOSED B-UTILITY BOXES(17X30X18)
-  PROPOSED TERMINAL BOXES(13X24X15)
-  PROPOSED DROP BOXES(11X11X12)







## SEWER

-  EXISTING SEWER MAIN
-  EXISTING SEWER MAIN (ABANDON)
-  EXISTING STORM SEWER MAIN
-  EXISTING STORM MANHOLE
-  EXISTING SEWER MANHOLE
-  EXISTING SEWER CATCH BASIN
-  EXISTING SEWER INLET


## WATER

-  EXISTING WATER MAIN
-  EXISTING WATER MAIN (ABANDON)
-  EXISTING WATER SHUT OFF
-  EXISTING FIRE CISTERN MANHOLE
-  EXISTING WATER CAP
-  EXISTING WATER MANHOLE
-  EXISTING WATER VALVE
-  EXISTING WATER METER
-  EXISTING FIRE HYDRANT
-  EXISTING WATER REDUCER

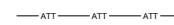
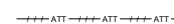



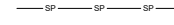
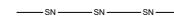
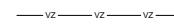






## GAS

-  EXISTING GAS MAIN
-  EXISTING GAS MAIN (DEAD)
-  EXISTING GAS CAP
-  EXISTING GAS REDUCER
-  EXISTING GAS MANHOLE
-  EXISTING GAS VALVE
-  EXISTING GAS METER



























## DEO/ELECTRIC

-  EXISTING DEO/ELECTRIC
-  EXISTING STREET LIGHT CONTROL BOX
-  EXISTING TRAFFIC LIGHT CONTROL BOX
-  EXISTING STREET LIGHT HANDHOLE
-  EXISTING TRAFFIC LIGHT HANDHOLE
-  EXISTING RED LIGHT CAMERA POLE
-  EXISTING STREET LIGHT POLE
-  EXISTING TRAFFIC LIGHT POLE
-  EXISTING DEO POLE
-  EXISTING ELECTRIC MANHOLE
-  EXISTING ELECTRIC HANDHOLE
-  EXISTING RED LIGHT FLASH POLE

## COMMUNICATIONS

-  EXISTING AT&T
-  EXISTING AT&T (ABANDON)
-  EXISTING COMMUNICATIONS
-  EXISTING MCI
-  EXISTING SPRINT
-  EXISTING SUNESYS
-  EXISTING VERIZON
-  EXISTING CITY FIBER
-  EXISTING AT&T MANHOLE
-  EXISTING COMMUNICATIONS MANHOLE
-  EXISTING MCI
-  EXISTING SPRINT/NEXTEL MANHOLE
-  EXISTING SUNESYS MANHOLE
-  EXISTING VERIZON MANHOLE

## MISCELLANEOUS

-  EXISTING FENCE
-  EXISTING CONSTRUCTION FENCE
-  EXISTING GUARDRAIL
-  EXISTING PROPERTY LINE/ R.O.W.
-  EXISTING BIKE RACK
-  EXISTING TREE
-  EXISTING BUSH
-  EXISTING STREET SIGN POST
-  EXISTING POST/BOLLARD
-  EXISTING GROUND LIGHT
-  EXISTING UTILITY POLE
-  EXISTING STANDPIPE
-  EXISTING ADA RAMP
-  EXISTING MISCELLANEOUS MANHOLE
-  EXISTING GARBAGE CAN
-  EXISTING PARK DISTRICT MANHOLE
-  EXISTING MONITORING WELL
-  EXISTING FIRE ALARM
-  EXISTING STREET PARKING PAY BOX
-  EXISTING PEDESTAL
-  EXISTING MAILBOX
-  EXISTING NEWSPAPER BOX
-  EXISTING PHONE
-  EXISTING SPRINKLER CONTROL BOX
-  EXISTING SPRINKLER VALVE
-  EXISTING SUPPORT COLUMN

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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**LEGEND**

GRID NUMBER

SHEET NUMBER  
**T-3**

1. THE ENCLOSED DESIGN MAY IMPLY EXISTING UTILITIES. THE UTILITIES HAVE NOT BEEN FIELD VERIFIED FOR LOCATION. THEREFORE, ALL UTILITIES IMPLIED WITHIN THIS DOCUMENT ARE TO BE REFERRED TO AS A "REFERENCE TOOL". IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR IT'S SUBCONTRACTOR TO VERIFY THESE UTILITIES USING ANY AND ALL METHODS AND INSTRUMENTS AVAILABLE IF/WHEN NECESSARY. FULLERTON CANNOT IN GOOD FAITH GUARANTEE UTILITY LOCATIONS. ANY AND ALL DOCUMENTATION ON EXISTING UTILITIES HAS BEEN IMPLIED UTILIZING INFORMATION RETRIEVAL PROCESSES FROM EACH JURISDICTION INVOLVED (STATE, COUNTY AND/OR MUNICIPALITY, TO INCLUDE OTHERS).
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL CONDUITS ARE PLACED WITHIN THE GIVEN & DEDICATED SPACE LICENSED FOR THIS PARTICULAR CLIENT. FULLERTON ENGINEERING CONSULTANTS, INC. (FULLERTON) WAS NOT RETAINED FOR THE PURPOSE OF SUPPORTING A SURVEY OF THE AREA AND PROPERTY BOUNDARIES, THEREFORE FULLERTON CAN NOT AND WILL NOT SUPPORT THE ACCURACY OF ANY IMPLIED BOUNDARY (I.E. PUBLIC WAY, PRIVATE PROPERTY, EASEMENT ETC.) NOR IS IT TO BE ASSUMED THAT THE SALE OF PROPERTIES HAS NOT OCCURRED DURING & AFTER FULLERTON'S RESPONSIBILITIES FOR THIS PROJECT HAVE PAST. ALL BOUNDARIES, EASEMENTS, PROPERTY LINES, ETC. ARE TO BE USED AS A GUIDELINE OR REFERENCE AND SHOULD NOT BE TAKEN LITERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ASSOCIATED BOUNDARIES SURVEY STAKED IF SO QUESTIONED. ALL ASPECTS OF BOUNDARIES IMPLIED HEREIN, HAVE BEEN DERIVED THROUGH AVAILABLE MEDIA SUCH AS BUT NOT LIMITED TO (SIDWELL, GOOGLE EARTH PRO. MUNICIPAL, STATE, COUNTY, GIS, AND OTHER RECORD TYPES). FULLERTON DOES NOT AGREE NOR DISAGREE WITH THE ABOVE-MENTIONED RECORDS AS THEY ARE USED JUST A REFERENCE TOOL.
3. ALL BURIED OBSTRUCTIONS KNOWN BY FULLERTON ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
5. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
6. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT MINIMUM 30"-48" COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
7. ANY AND ALL IMPROVEMENTS, IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO: ASPHALT, CONCRETE PAVEMENT, CURBS, GUTTERS, SIDEWALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC..
8. ALL FIBER INSTALLATIONS SHALL OBSERVE A MINIMUM DYNAMIC BEND RADIUS OF 20X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 15X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. ADDITIONALLY, ALL INSTALLATIONS SHALL OBSERVE A MINIMUM STATIC BEND RADIUS OF 15X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 10X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. IF THE MANUFACTURER'S SPECIFICATIONS FOR BEND RADIUS ARE GREATER, THEN THEY SHALL BE FOLLOWED.
9. ALL NEW METALLIC AERIAL STRAND SHALL BE BONDED/GROUNDED (PREFERABLY TO THE POWER COMPANY NEUTRAL) PER LOCAL REQUIREMENTS. AT A MINIMUM, THE BONDING/GROUNDING PATTERN SHALL BE THE FIRST AND LAST POLE OF A RUN AND EVERY TENTH POLE IN THE RUN. SHOULD ONE OF THESE DESIGNATED POLES SUPPORT A POWER TRANSFORMER, THE POLES ON EITHER SIDE OF SAID POLE SHALL BE BONDED/GROUNDED AND THE PATTERN SHOULD CONTINUE EVERY TENTH POLE FROM THAT STARTING POINT.
10. ALL AERIAL FIBER OPTIC CABLES SHALL BE SECURELY LASHED TO AERIAL STRAND BY METHOD OF MECHANICAL LASHING CARRIAGE OR APPROVED EQUAL.
11. ALL FIBER OPTIC CABLES INSTALLED BELOW GRADE SHALL BE OF AN ARMORED VARIETY WITH METALLIC INNER SHEATH, OR BE PLACED WITH A METALLIC LOCATING WIRE TO FACILITATE FUTURE LOCATING SERVICES.
12. ALL CONDUIT OR DUCT CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF PULLING TAPE OF SUFFICIENT SIZE AND GRADE TO FACILITATE THE INSTALLATION OF THE SPECIFIED FIBER TYPE THROUGH CONDUIT BEING UTILIZED (JETLINE USE TO BE APPROVED BY CLIENT).
13. ALL FUSION SPLICING SHALL BE COMPLETED BY A QUALIFIED FIBER SPLICER IN A CLEAN TEMPERATURE CONTROLLED TRUCK, TRAILER, OR SHELTER SPECIFICALLY TOOLED OR DESIGNED FOR THE PURPOSE OF FUSION SPLICING FIBER OPTIC CABLES IN A FIELD ENVIRONMENT.
14. ALL MECHANICAL SPLICES AND FACTORY ENDS SHALL BE KEPT CLEAN AND FREE FROM DUST, DIRT, OILS, AND SMEARS. CARE SHOULD BE TAKEN TO MATCH POLISH TYPES ON FACTORY ENDS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO WORK IDENTIFIED AS UNACCEPTABLE BY CLIENT, ENGINEER, OR INSPECTOR, DURING SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING. CONTRACTOR SHALL ALSO PROVIDE ALL AS-BUILT INFORMATION UPON COMPLETION OF INSPECTION.
16. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS. CONTRACTOR TO RETURN SITE TO PREVIOUS OR BETTER CONDITION.
17. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO PRODUCE A COMPLETE AND FUNCTIONING SYSTEM WHILE MEETING ALL CODES AND SPECIFICATIONS. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED IN THE WORK. SAID DESIGN IS INTENDED TO AVOID DISRUPTION OF ANY HANDICAP RAMPS OR STRUCTURES AS DESCRIBED PER THE AMERICANS WITH DISABILITIES ACT OF 1990.
18. CONTRACTOR SHALL WORK WITH CLIENT TO IDENTIFY ALL CONTRACTOR SUPPLIED MATERIALS TO CONSTRUCT NETWORK PER

SPECIFICATIONS.

19. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT.
20. ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE.
21. THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OF THE PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUBCONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.
22. ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
23. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PURPOSE OF INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.
24. CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED, AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS. AS A PART OF THE RECORD DRAWINGS, CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS ARE TO BE SUPPLIED TO FULLERTON ENGINEERING AT COMPLETION OF WORK.
25. MAINTAIN MORE THAN 2'-0" VERTICAL CLEARANCE AND MORE THAN 4'-0" HORIZONTAL CLEARANCE BETWEEN EXISTING SEWER OR SEWER STRUCTURES AND UTILITY. IF CITY SEWER FACILITIES ARE DAMAGED DURING CONSTRUCTION, IT MUST BE REPORTED TO CITY ENGINEERING SECTION AND MUST BE REPAIRED BY A LICENSED DRAIN LAYER UNDER THE SUPERVISION OF THE MASON INSPECTOR.
26. NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY.
27. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.
28. THE ENGINEER SHALL BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER PLAN.
29. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION. CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER OR THE GOVERNING BODY, IN THE EVENT THAT DAMAGE OCCURS.
30. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES, HAND EXCAVATION IS REQUIRED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS MAIN(S) PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16 INCHES OR SMALLER, AND 5 FEET EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS 18 INCHES AND LARGER IN DIAMETER. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. SAND IS TO BE USED AS A BUFFER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES, ANY DAMAGE TO GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTORS.



1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
COA# 3620-11  
www.fullerton-us.com

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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**GENERAL NOTES**

GRID NUMBER

SHEET NUMBER  
**GN-1**





**metronet**

3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715

**Fullerton**  
DESIGN DEVELOP CONSTRUCT

1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**MAP**

GRID NUMBER

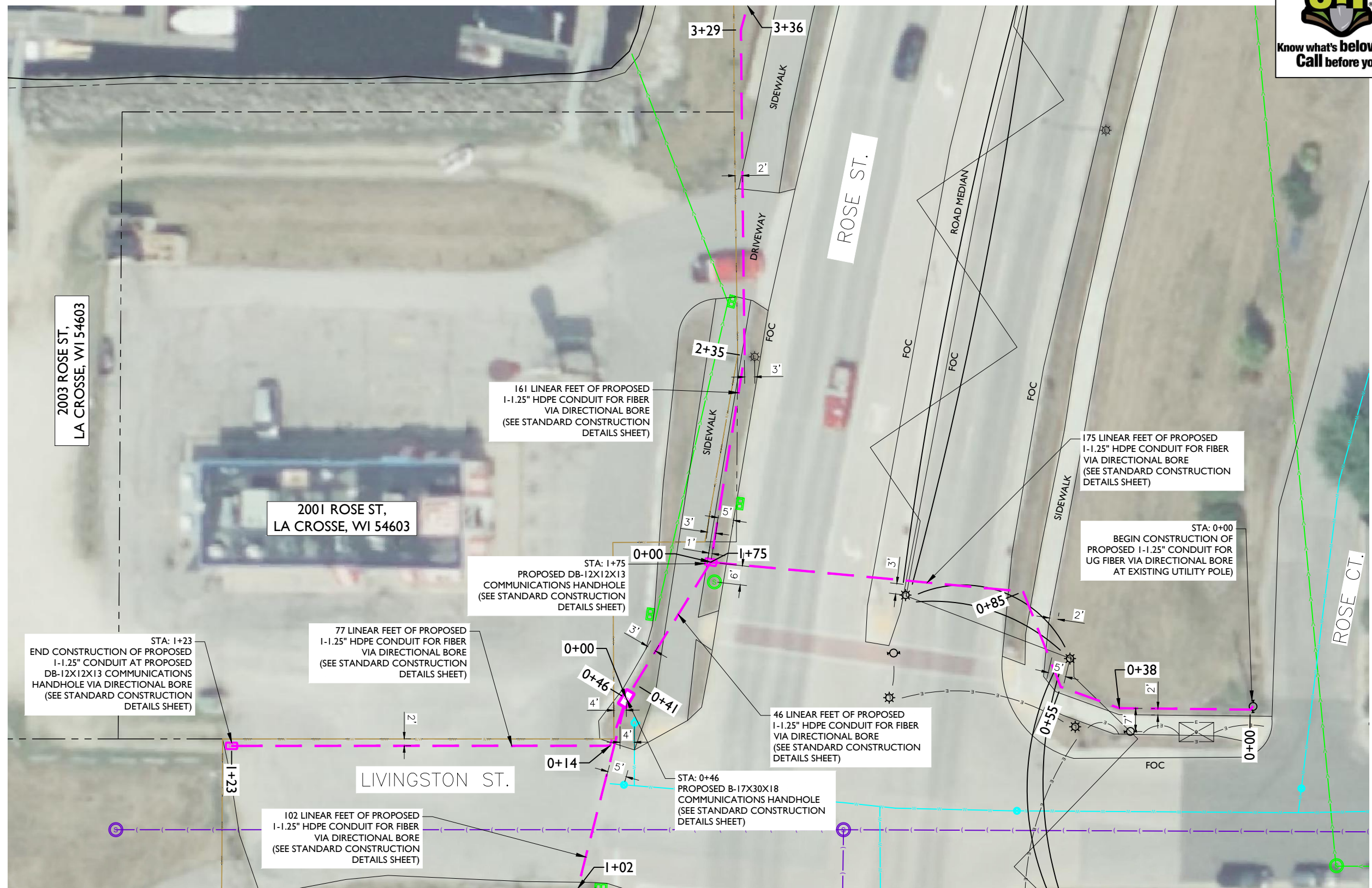
SHEET NUMBER  
**MAP-1**



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 3701 COMMUNICATIONS WAY  
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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

SHEET SCALE  
 1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
 SHEET NUMBER  
**C-001**

NOTE:  
 • PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS  
 • BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE  
 • MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:  
 • RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:  
 METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.





**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
COA# 3620-11  
www.fullerton-us.com



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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
SHEET NUMBER  
**C-002**

**NOTE:**

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

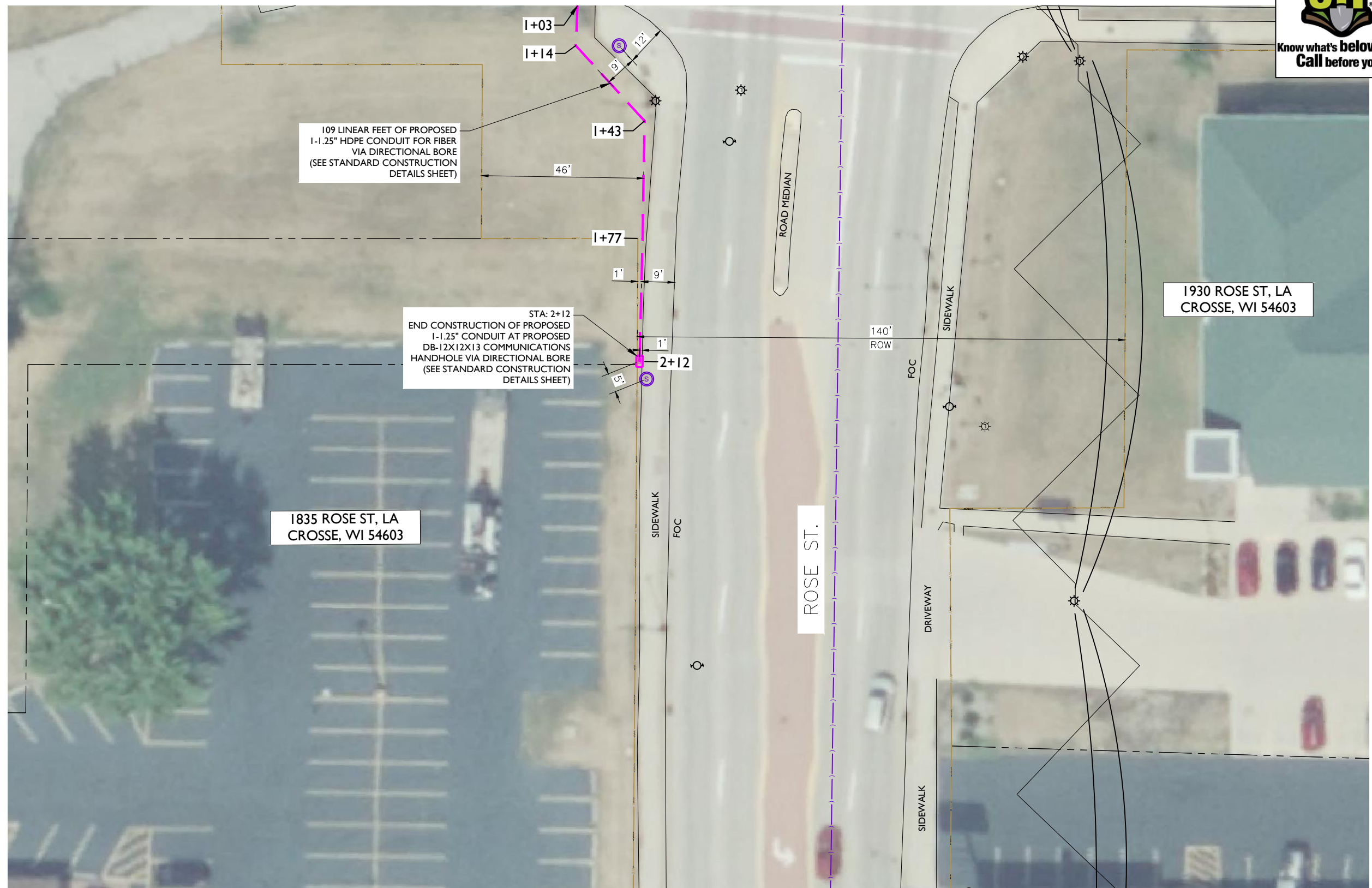
**NOTE:**

- RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

**NOTE:**

- METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.





1930 ROSE ST, LA  
CROSSE, WI 54603

1835 ROSE ST, LA  
CROSSE, WI 54603

| REV | DATE     | DESCRIPTION       | BY |
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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
C-003

**NOTE:**

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

**NOTE:**

- RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

**NOTE:**

- METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.

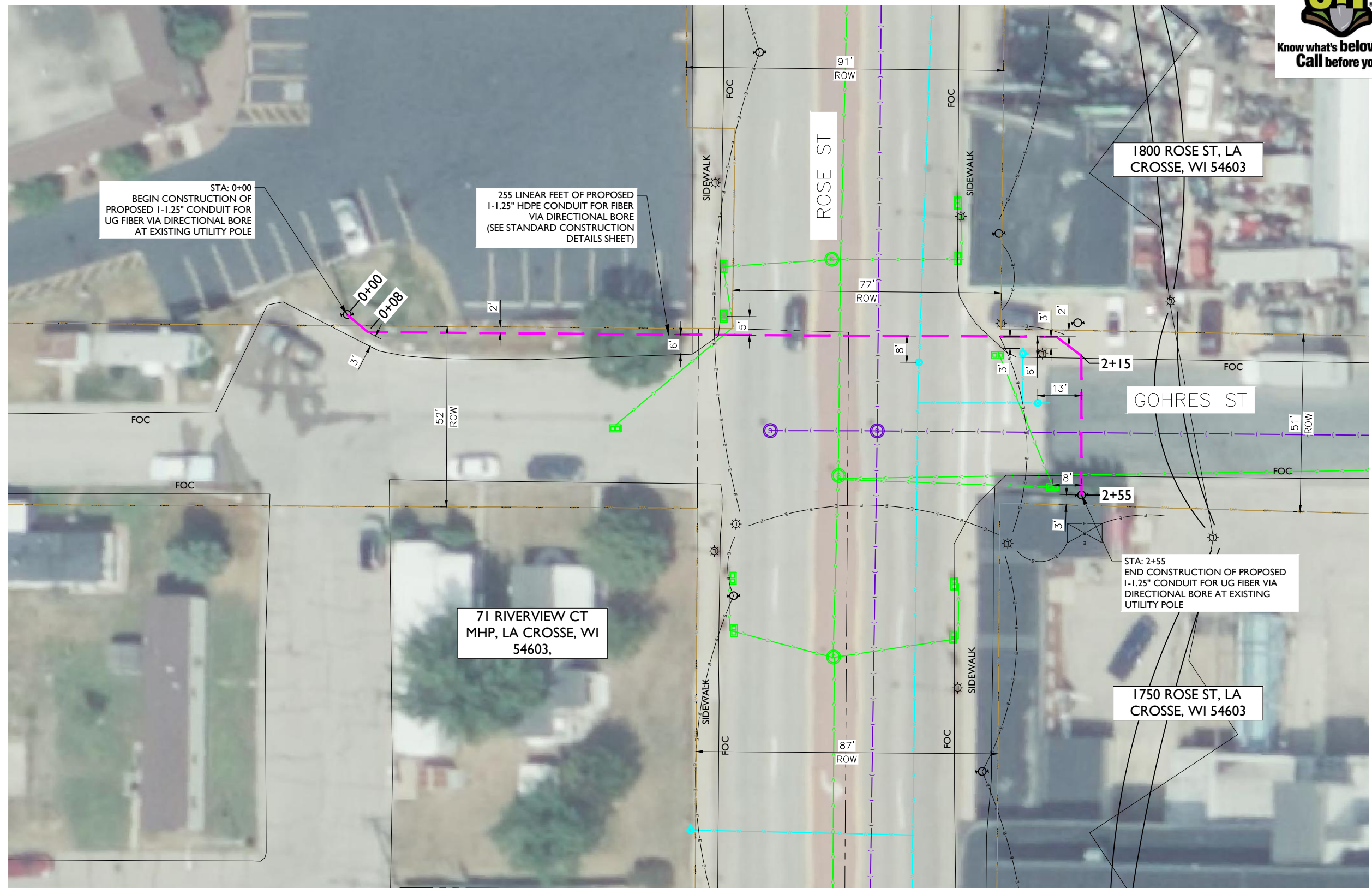




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 TEL: 847-908-8400  
 COA# 3620-11  
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STA: 0+00  
 BEGIN CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT FOR UG FIBER VIA DIRECTIONAL BORE AT EXISTING UTILITY POLE

255 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

1800 ROSE ST, LA  
 CROSSE, WI 54603

GOHRES ST

71 RIVERVIEW CT  
 MHP, LA CROSSE, WI  
 54603,

STA: 2+55  
 END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT FOR UG FIBER VIA DIRECTIONAL BORE AT EXISTING UTILITY POLE

1750 ROSE ST, LA  
 CROSSE, WI 54603

**NOTE:**

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

**NOTE:**

- RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

**NOTE:**

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.



| REV | DATE     | DESCRIPTION       | BY |
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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

SHEET SCALE  
 1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
 SHEET NUMBER  
**C-004**



**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
COA# 3620-11  
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1625 ROSE ST,  
LA CROSSE, WI 54603

ROSE ST

STA: 5+20  
END CONSTRUCTION OF PROPOSED  
1-1.25" CONDUIT AT PROPOSED  
DB-12X12X13 COMMUNICATIONS  
HANDHOLE VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

156 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

STA: 3+64  
PROPOSED DB-12X12X13  
COMMUNICATIONS HANDHOLE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

364 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

STA: 0+00  
BEGIN CONSTRUCTION OF  
PROPOSED 1-1.25" CONDUIT FOR  
UG FIBER VIA DIRECTIONAL BORE  
AT EXISTING UTILITY POLE

**NOTE:**

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

**NOTE:**

- RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

**NOTE:**

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.



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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER

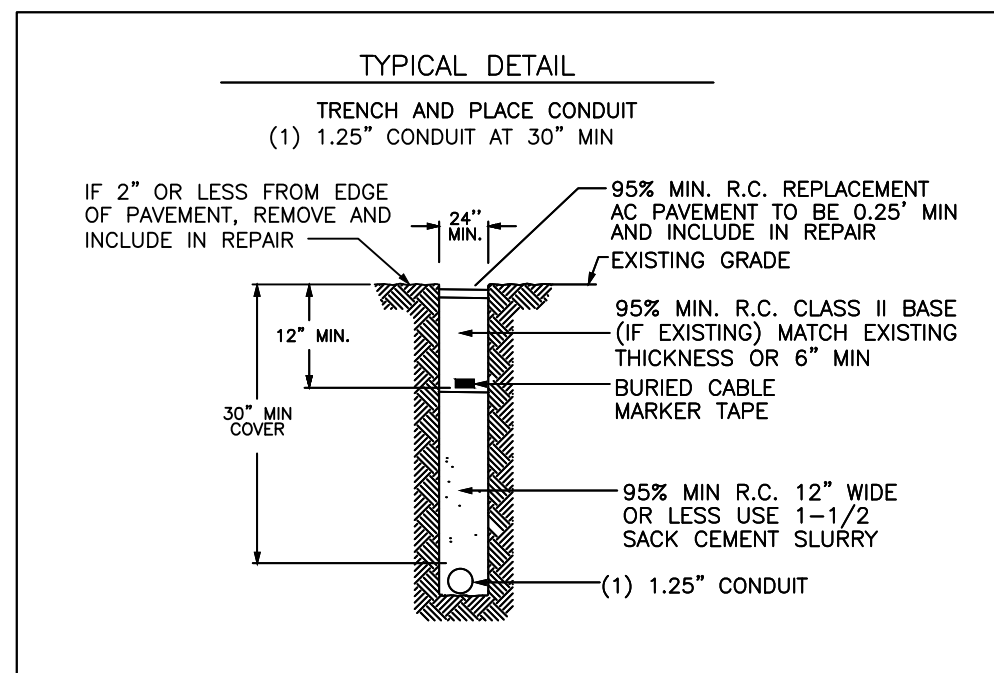
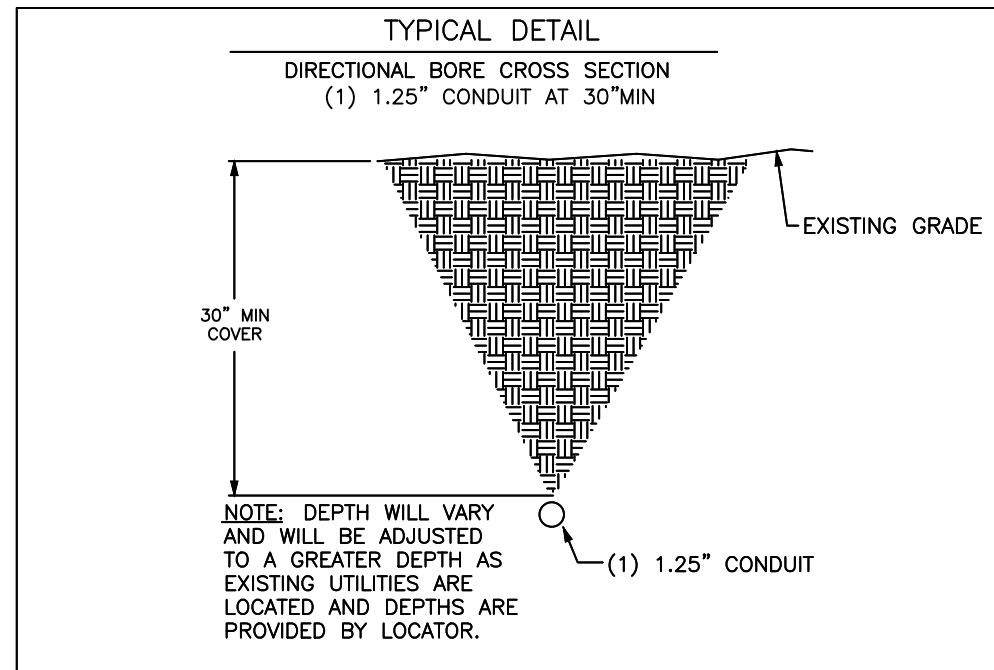
SHEET NUMBER  
C-005

**ADDITIONAL NOTES:**

1. EXCEPT AS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF SEPARATION FROM EXISTING UTILITIES.
2. CONTRACTOR SHALL POTHOLE EACH UTILITY TO DETERMINE SIZE, LOCATION, AND DEPTH PRIOR TO CROSSING.
3. CONTRACTOR IS CAUTIONED TO PROTECT SEWER MANHOLES, CATCH BASINS, LATERALS AND INLETS.
4. CONTRACTOR WILL PROVIDE BARRICADING TO INSURE CORRECT TRAFFIC CONTROL WHILE MAINTAINING VEHICULAR TRAFFIC AT ALL TIMES.
5. RESTORATION TO BE IN COMPLIANCE WITH APPLICABLE PERMITTING AGENCIES.
6. BONDING AND GROUNDING PER NESC.

**PUBLIC UTILITY NOTE:**

CONTRACTOR SHALL NOTIFY ALL PUBLIC UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, SEWER, WATER, ETC) PRIOR TO COMMENCING ANY CONSTRUCTION. THESE COMPANIES WILL LOCATE, ON THE GROUND, THE LOCATION OF ALL CONDUITS, DUCTS, UNDERGROUND PIPING, ETC., ADJOINING & CROSSING PROPOSED CONSTRUCTION.



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TASK NAME

**WILC034**

TASK DESCRIPTION

**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

**DETAILS**

GRID NUMBER

SHEET NUMBER

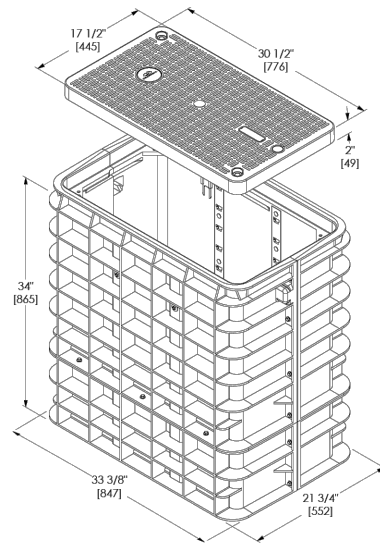
**D-1**

BULK 3 Series

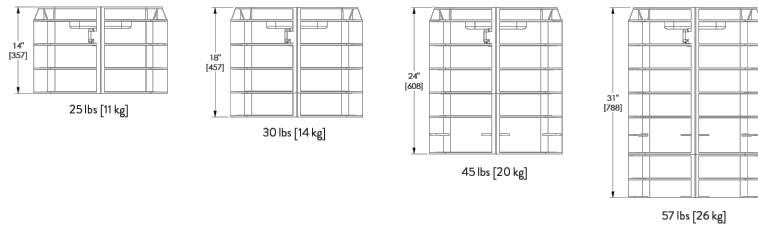
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

Cover Weight 26 lbs [12 kg]  
 Pit Weight 63 lbs [29 kg]  
 Assembled Weight 89 lbs [41 kg]



ADDITIONAL BODY DEPTHS

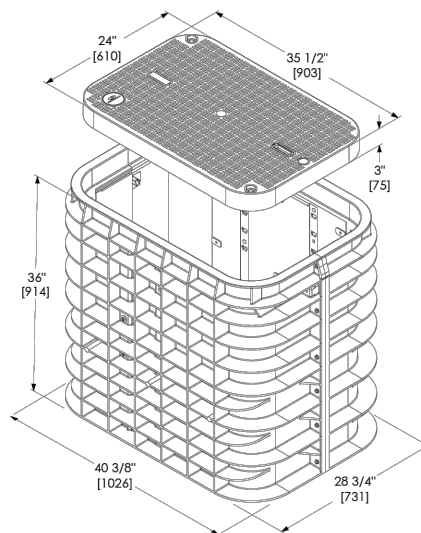
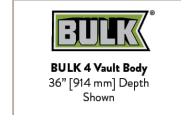


BULK 4 Series

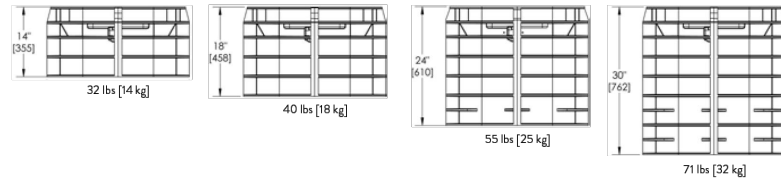
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

Cover Weight 50 lbs [23 kg]  
 Pit Weight 82 lbs [37 kg]  
 Assembled Weight 132 lbs [60 kg]



ADDITIONAL BODY DEPTHS

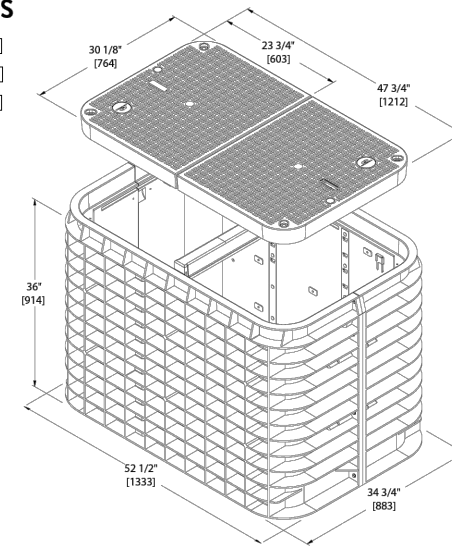


BULK 7 Series

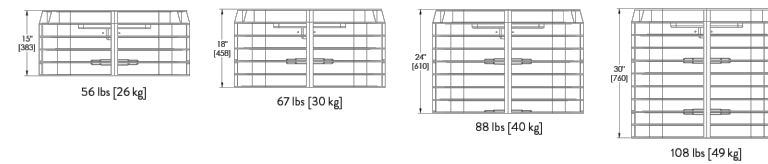
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

Cover Weight (Split 1/2 Cover) 50 lbs [23 kg]  
 Pit Weight 129 lbs [59 kg]  
 Assembled Weight 229 lbs [105 kg]



ADDITIONAL BODY DEPTHS



3701 COMMUNICATIONS WAY  
 EVANSVILLE, IN, 47715



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TASK NAME

WILC034

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT  
 PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

SHEET SCALE  
 N.T.S.

SHEET TITLE  
**DETAILS**

GRID NUMBER

SHEET NUMBER  
 D-2



**SGLB-0** NEW SIGNATURE SERIES GRADE LEVEL BOX WITH **SELFLOCK** PROTECTION



**SELFLOCK**

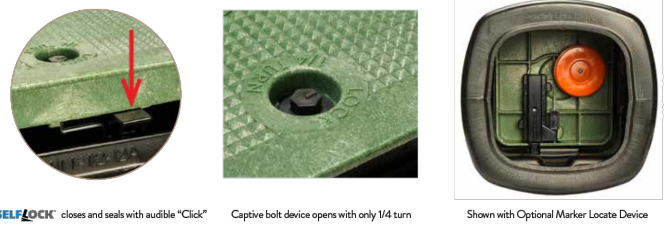
The New Signature Series SGLB High Density Polyethylene (HDPE) grade level box line come standard with Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

**FEATURES**

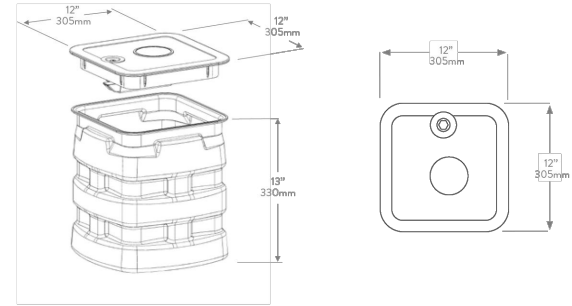
- 13" (330mm) Depth
- No bolts to be lost, misplaced, or not installed back into the unit

- Captive bolt device, that opens with a ¼ turn
- Press/ Push lid closed, and it will automatically lock in place (with an audible "click")
- Protects your investment, and ensures the needed protection for your network
- Eliminates the risk of lids floating off, being throw by lawnmowers (i.e. reduces potentially liability)

**SIMPLE AND WORRY FREE PROTECTION**



**DIMENSIONS**



WORLDWIDE HEADQUARTERS: Channell Commercial Corporation, Rockwall, TX, United States • Tel 800.423.1863 • Fax 951.296.2322  
 CANADA: Channell Canada, Inc., Mississauga, ON, Canada • Tel 905.565.1700 • Fax 905.565.8282  
 EUROPE, MIDDLE EAST, AFRICA: Channell Ltd., Dartford, United Kingdom • Tel 44.1322.312590 • Fax 44.1322.508490  
 AUSTRALIA, ASIA, PACIFIC RIM: Channell Pty. Ltd., Seven Hills, NSW, Australia • Tel 61.2.8884.4111 • Fax 61.2.8814.8841  
[www.channell.com](http://www.channell.com)

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040822 FR1

**metronet**  
 3701 COMMUNICATIONS WAY  
 EVANSVILLE, IN, 47715

**Fullerton**  
 DESIGN DEVELOP CONSTRUCT

1100 E. WOODFIELD ROAD, SUITE 500  
 SCHAUMBURG, ILLINOIS 60173  
 TEL: 847-908-8400  
 COA# 3620-11  
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**SGLB-2** SIGNATURE SERIES GRADE LEVEL BOX WITH **SELFLOCK** PROTECTION



**SELFLOCK**

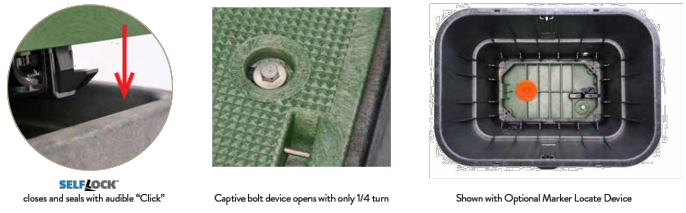
The Signature Series SGLB-2 High Density Polyethylene (HDPE) grade level box line comes standard with Customizable Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

**FEATURES**

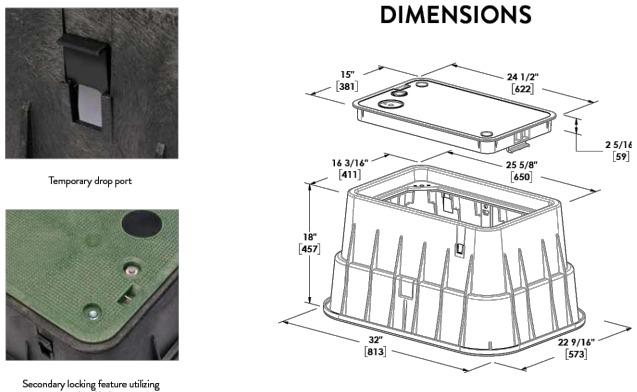
- Designed for Greenbelt/ Pedestrian applications
- Captive bolt device, that opens with a ¼ turn

- No bolts to be lost, misplaced, or not installed back into the unit
- Press/ Push lid closed, and it will automatically lock in place (with an audible "click")
- Secondary lock option
- Temporary drop port
- Protects your investment, and ensures the needed protection for your network
- Eliminates the risk of lids floating off, being thrown by lawnmowers (i.e. reduces potential liability)

**SIMPLE AND WORRY FREE PROTECTION**



**DIMENSIONS**



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022634

TASK NAME

WILC034

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

GRID NUMBER

SHEET NUMBER

D-3

**NOTES:**

1. CALL FOR LOCATES AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR MARKINGS.
2. FOR LABEL AND TAG INFORMATION SEE DRAWING OSP 16.
3. THE VAULT W/ BOTTOM ENTRY ELEVATION VIEW SHOWN BELOW ONLY INDICATES THE BACK FILL REQUIREMENTS NECESSARY FOR VAULTS PLACED IN SIDEWALKS, ETC. (WHERE THEY NEED TO COMPLY WITH ADA REQUIREMENTS). TO ENSURE COMPLIANCE WITH CURRENT ADA REQUIREMENTS, THE HEIGHT OF THE BACK FILL IS SHOWN HELD DOWN TO ALLOW CONCRETE TO FLOW DOWN AND AROUND THE LIFTING LUGS/BOLTS WHICH WILL SERVE AS DOWELS INTO THE FINISHED CONCRETE SLAB.

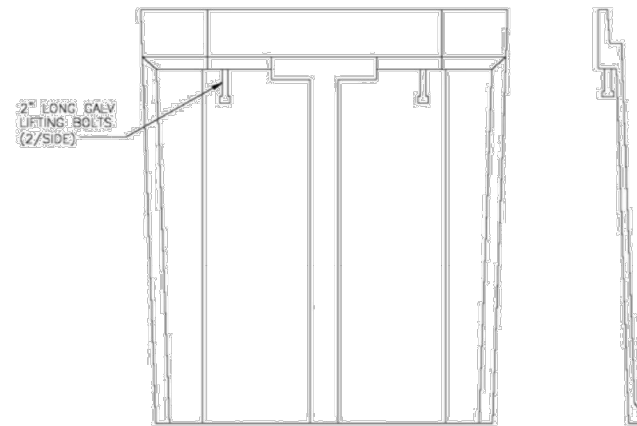
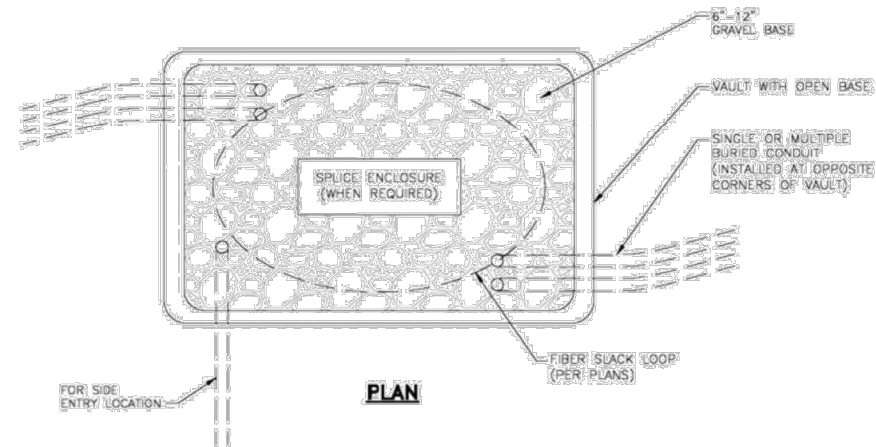
**ADA REQUIREMENTS:**

**SURFACE LEVEL CRITERIA:** NO HEIGHT DIFFERENTIALS WITH A RISE GREATER THAN 1/4" IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN 1/4" AND 1/2" IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN 1/2" IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (1V:12H) OR LESS.

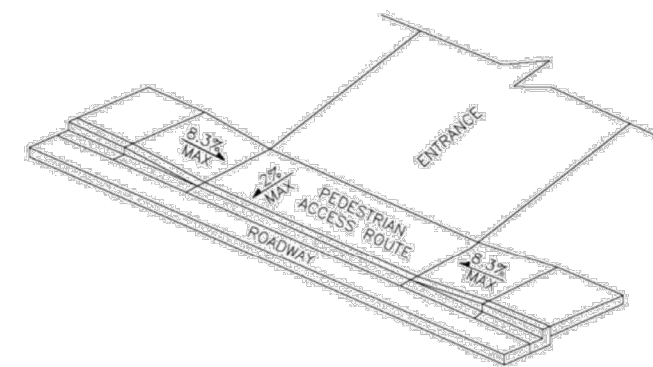
UTILITY COVERS SHALL HAVE A SLIP RESISTANT TOP, AS MUCH AS POSSIBLE, AND MEET CHANGES IN LEVEL CRITERIA AS STATED ABOVE.

LIFT HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN 1/2". PLUGGING OF HOLES GREATER THAN 1/2" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

A LEVEL PEDESTRIAN ACCESS ROUTE (PAR) OR WALKWAY SHALL BE PROVIDED ACROSS COMMERCIAL AND RESIDENTIAL ENTRANCES, MEETING THE FOLLOWING CRITERIA:  
 - THE WALKWAY IS AT MINIMUM 3' WIDE.  
 - CROSS SLOPE OF WALKWAY IS 2% OR LESS.  
 - WALKWAY IS AT THE SAME GRADE AS THE ADJACENT ROADWAY.  
 - THE WALKWAY DOES NOT HAVE TO BE MARKED, BUT PROVIDES A STRAIGHT LINE BETWEEN THE ADJOINING SIDEWALKS OR RAMPS.  
 - THERE IS NOT AN ABRUPT TRANSITION FROM THE DRIVEWAY TO THE ROADWAY FOR VEHICLES, I.E., VEHICLES WILL NOT BOTTOM OUT WHEN DRIVING OVER THE TRANSITION.



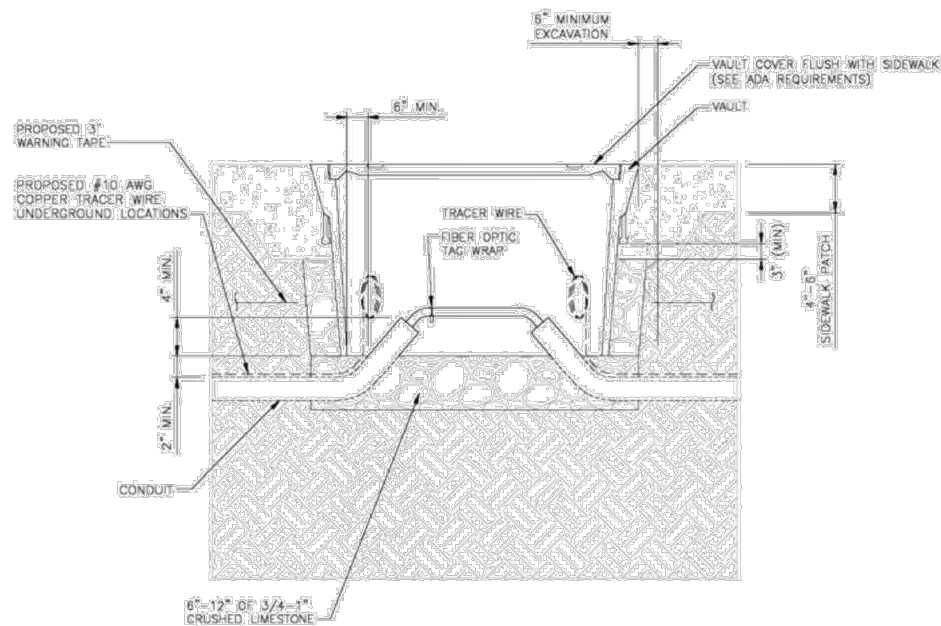
**SIDE VIEW**



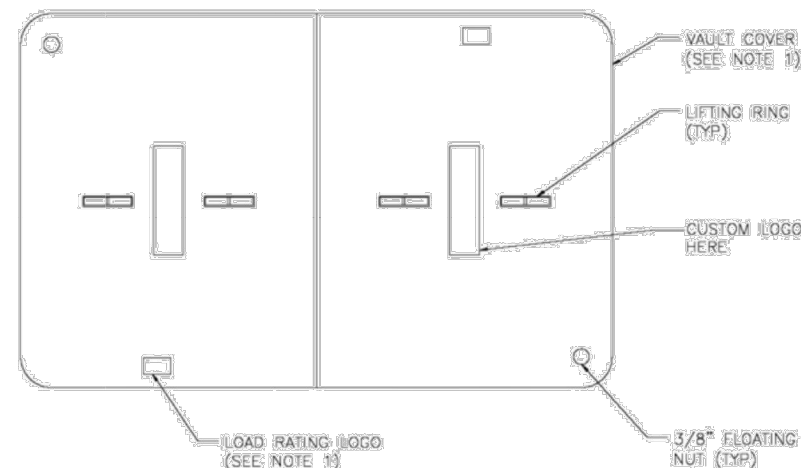
**PEDESTRIAN ACCESS ROUTE**

**NOTE:**

1. ENCLOSURES, BOXES AND COVERS ARE REQUIRED TO MEET OR EXCEED ALL TESTS PROVISIONS OF THE MOST CURRENT ANSI/SC17-2007 "SPECIFICATIONS FOR UNDERGROUND INTEGRITY" FOR TIER 15 (OR BETTER).



**VAULT W/ BOTTOM ENTRY**



**VAULT LID**

| REV | DATE     | DESCRIPTION       | BY |
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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

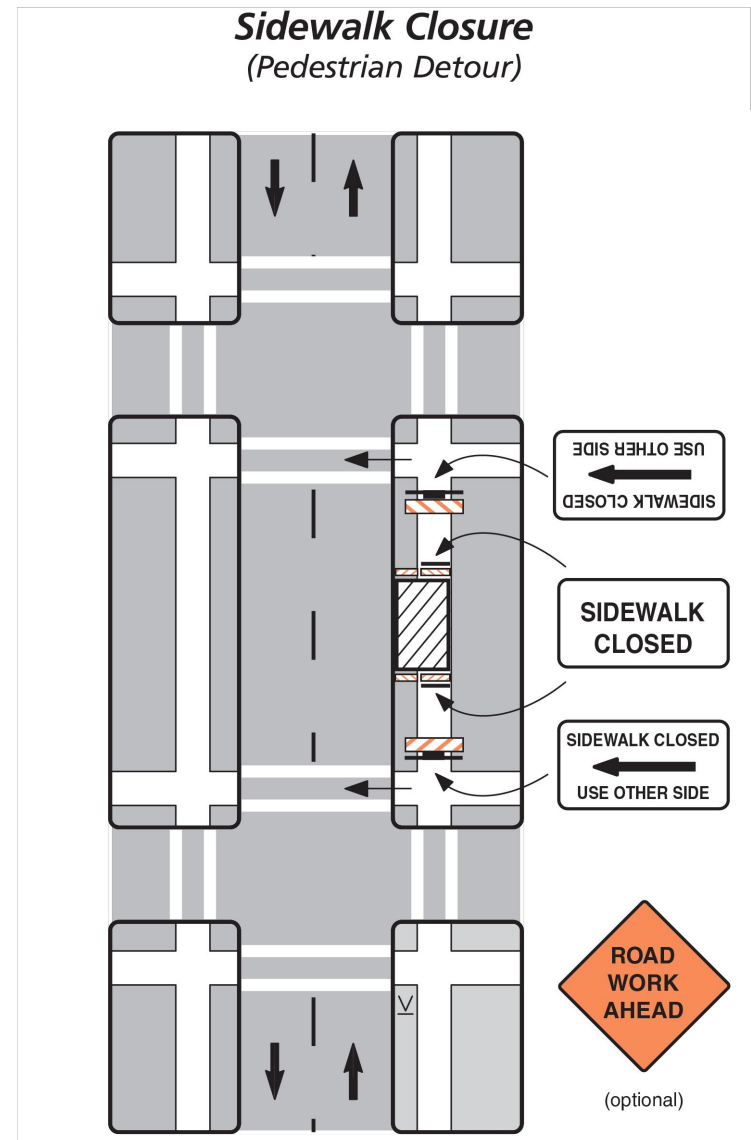
PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

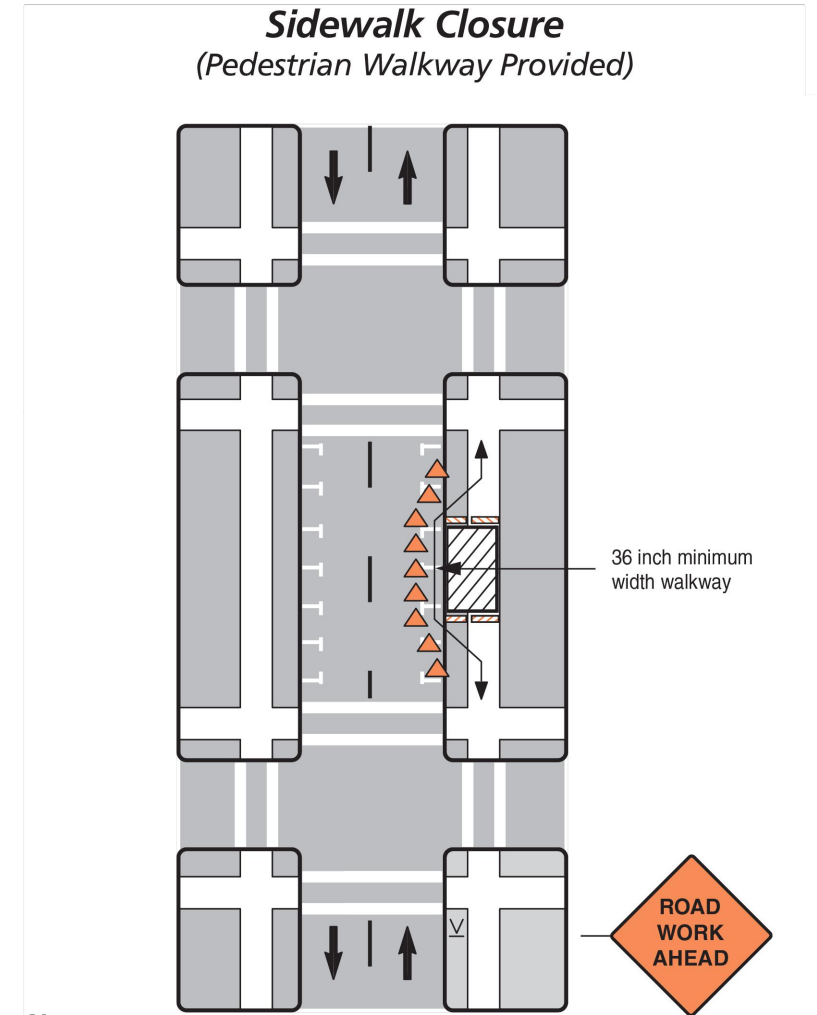
SHEET TITLE  
**DETAILS**

GRID NUMBER

SHEET NUMBER  
D-4



- 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.



- 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.
  6. Pedestrian walkways should be ADA accessible (i.e., ramps, surfaces).

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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-1**

| REV | DATE     | DESCRIPTION       | BY |
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TASK NAME

**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

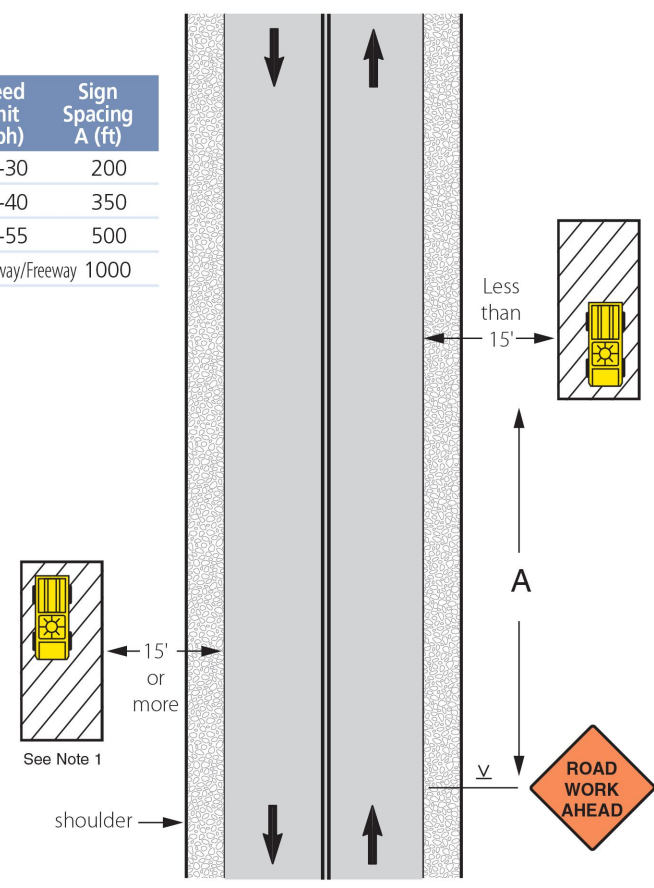
SHEET TITLE  
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER  
TCP-2

**Work Beyond the Shoulder**

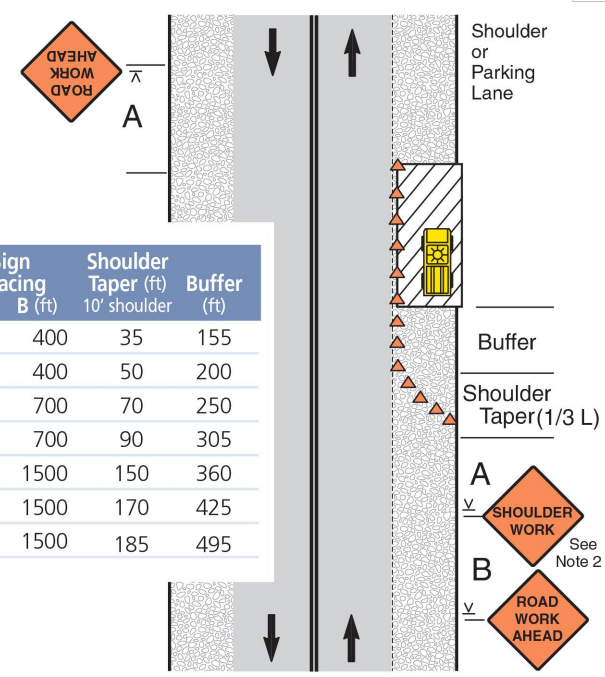
| Speed Limit (mph)  | Sign Spacing A (ft) |
|--------------------|---------------------|
| 25-30              | 200                 |
| 35-40              | 350                 |
| 45-55              | 500                 |
| Expressway/Freeway | 1000                |



- Notes**
- The warning sign may be omitted where the work area is behind a guard rail, more than 2' behind a curb, 30' or more from the edge of a freeway/expressway, or 15' or more from the edge of any other roadway.
  - For short-term, short-duration, or mobile operations, the warning sign may be omitted if a vehicle with activated high intensity light is used. On State Roads, the warning sign can be omitted if the duration of work is less than 60 minutes and activated high intensity lights are used.
  - The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as SHOULDER WORK, UTILITY WORK AHEAD, SURVEY CREW, MOWING AHEAD or WORKERS.

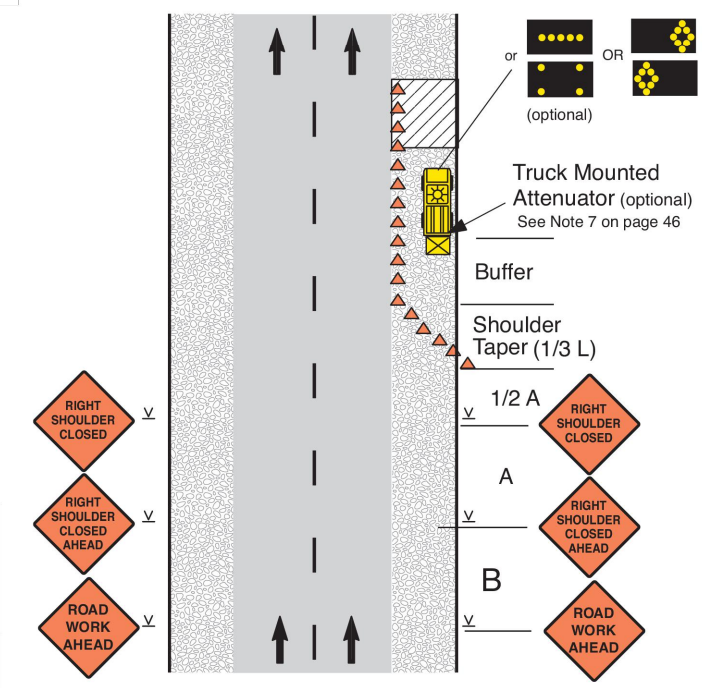
**Work on Shoulder or Parking Lane on Two-Lane Two-Way Road**

| Speed Limit (mph) | Sign Spacing A (ft) | Sign Spacing B (ft) | Shoulder Taper (ft) 10' shoulder | Buffer (ft) |
|-------------------|---------------------|---------------------|----------------------------------|-------------|
| 25                | 200                 | 400                 | 35                               | 155         |
| 30                | 200                 | 400                 | 50                               | 200         |
| 35                | 350                 | 700                 | 70                               | 250         |
| 40                | 350                 | 700                 | 90                               | 305         |
| 45                | 500                 | 1500                | 150                              | 360         |
| 50                | 500                 | 1500                | 170                              | 425         |
| 55                | 500                 | 1500                | 185                              | 495         |



- Notes**
- 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).
  - 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.
  - For short duration work, 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.
  - WORKERS, UTILITY WORK AHEAD, SHOULDER WORK AHEAD, or SURVEY CREW signs may be used instead of SHOULDER WORK or ROAD WORK AHEAD.
  - 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.

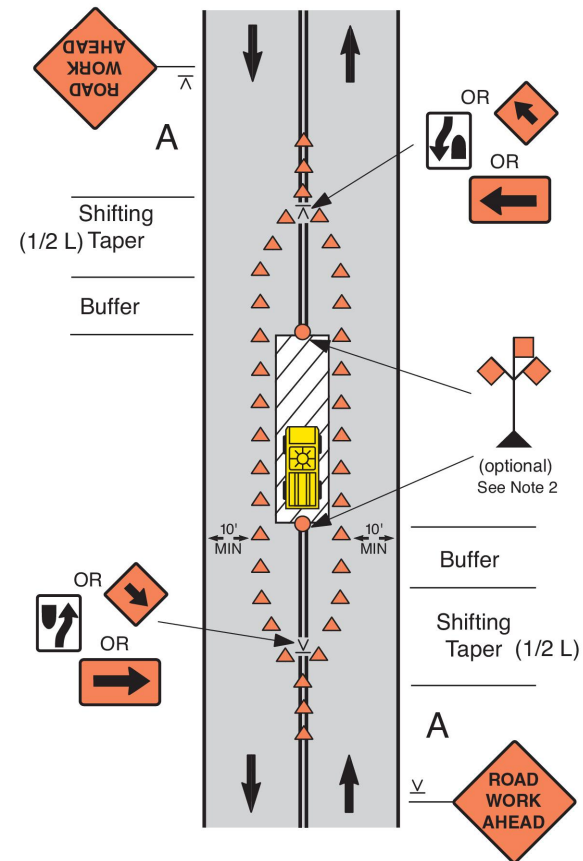
**Shoulder or Parking Lane Closed on Divided or One-Way Roadway**



- Notes**
- SHOULDER CLOSED signs should be used on limited-access highways where there is no opportunity for disabled vehicles to pull off the traveled way.
  - For short-term stationary work, one SHOULDER CLOSED warning sign can be omitted.
  - For short duration work, the channelizing devices can be omitted if a vehicle with activated high intensity lights is used. For short duration work with no lane encroachment, the signs can also be omitted.
  - UTILITY WORK AHEAD, SURVEY CREW or WORKERS signs can be used instead of the ROAD WORK AHEAD signs shown.
  - If the parking lane is used as a traffic lane follow the lane closure layout. See page 32.

| Speed Limit (mph) | Sign Spacing A (ft) | Sign Spacing B (ft) | Shoulder Taper (ft) 10' shoulder | Buffer (ft) |
|-------------------|---------------------|---------------------|----------------------------------|-------------|
| 35                | 350                 | 350                 | 70                               | 250         |
| 40                | 350                 | 350                 | 90                               | 305         |
| 45                | 1000                | 1000                | 150                              | 360         |
| 50                | 1000                | 1000                | 170                              | 425         |
| 55                | 1000                | 1000                | 185                              | 495         |
| 60                | 1000                | 1500                | 200                              | 570         |
| 65                | 1000                | 1500                | 220                              | 645         |
| 70                | 1000                | 1500                | 235                              | 730         |

**Work in Center of Road**  
(Maintaining Two-Way Traffic, 35 mph or Less)

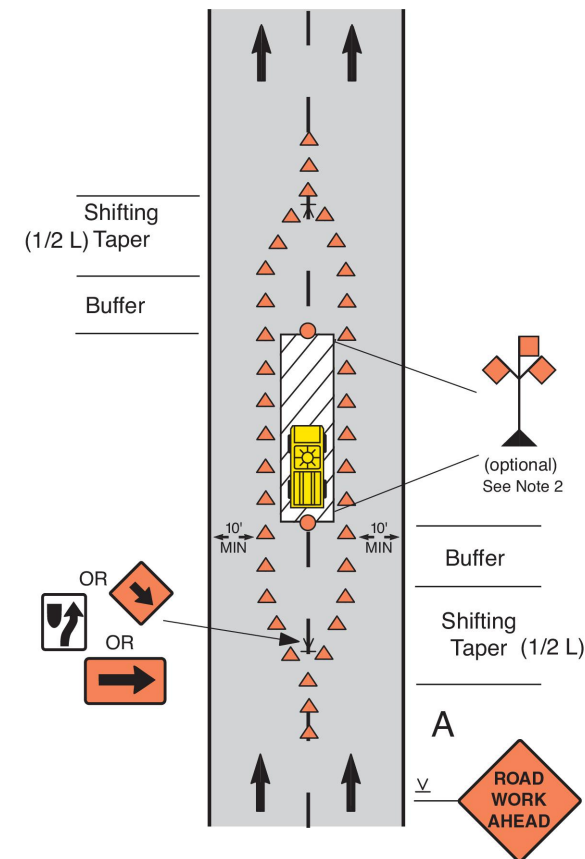


**Notes**

- Additional advance warning signs can be used such as ROAD NARROWS or Reverse Curve/Turn signs. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.
- Channelizing devices and high level warning devices may be eliminated on roads with low volumes if a work vehicle with activated high intensity lights is used.
- The Large Arrow sign can be used instead of the Keep Right or Down Arrow sign where space permits.

| Speed Limit (mph) | Sign Spacing A, B (ft) | Shifting Taper (ft) |     | Buffer (ft) |
|-------------------|------------------------|---------------------|-----|-------------|
|                   |                        | 5'                  | 10' |             |
| 25                | 200                    | 30                  | 55  | 155         |
| 30                | 200                    | 40                  | 75  | 200         |
| 35                | 350                    | 55                  | 105 | 250         |

**Work in Center of Road on Divided or One-Way Roadway**  
(35 mph or Less)



**Notes**

- Additional advance warning signs can be used such as ROAD NARROWS or Reverse Curve/Turn signs. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.
- Channelizing devices and high level warning devices may be eliminated on roads with low volumes if a work vehicle with activated high intensity lights is used.
- The Large Arrow sign can be used instead of the Keep Right or Down Arrow sign where space permits.

| Speed Limit (mph) | Sign Spacing A, B (ft) | Shifting Taper (ft) |     | Buffer (ft) |
|-------------------|------------------------|---------------------|-----|-------------|
|                   |                        | 5'                  | 10' |             |
| 25                | 200                    | 30                  | 55  | 155         |
| 30                | 200                    | 40                  | 75  | 200         |
| 35                | 350                    | 55                  | 105 | 250         |

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| TASK NAME      |
| <b>WILC034</b> |

|                                      |
|--------------------------------------|
| TASK DESCRIPTION                     |
| <b>FIBER OPTIC CONDUIT PLACEMENT</b> |

|                   |
|-------------------|
| PROJECT AREA      |
| LACROSSE, WI, USA |

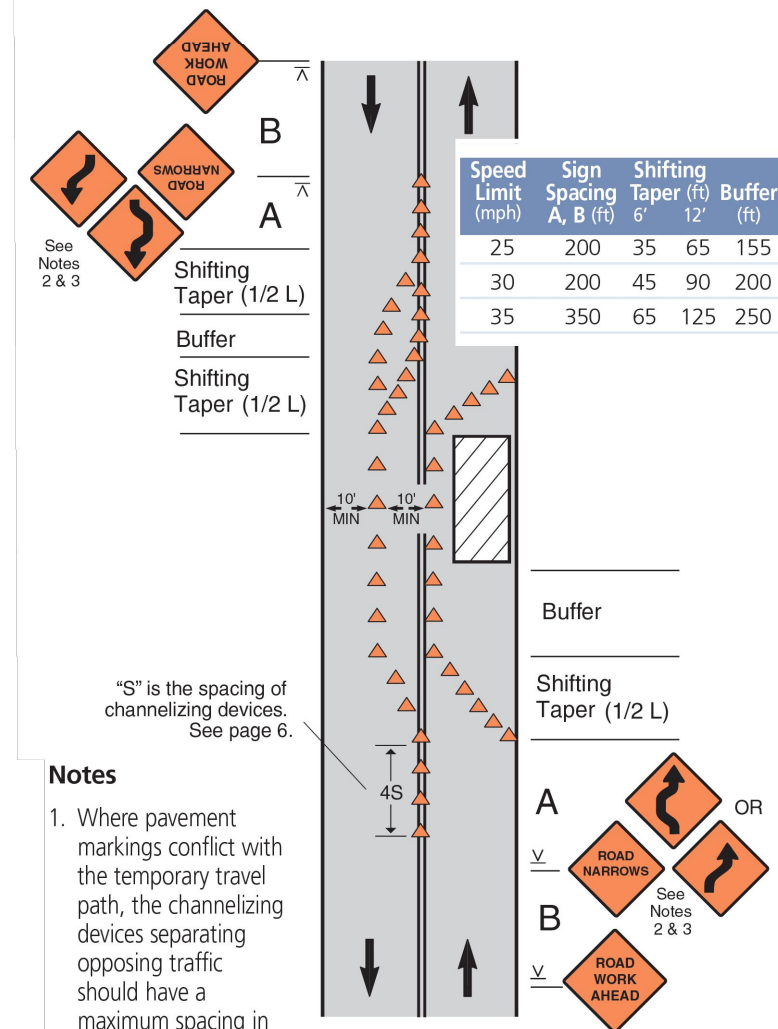
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|-------------|
| SHEET SCALE |
| N.T.S.      |

|   |
|---|
| SHEET TITLE                             |
| <b>TRAFFIC CONTROL STANDARD DETAILS</b> |

|             |
|-------------|
| GRID NUMBER |
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|              |
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| SHEET NUMBER |
| <b>TCP-3</b> |

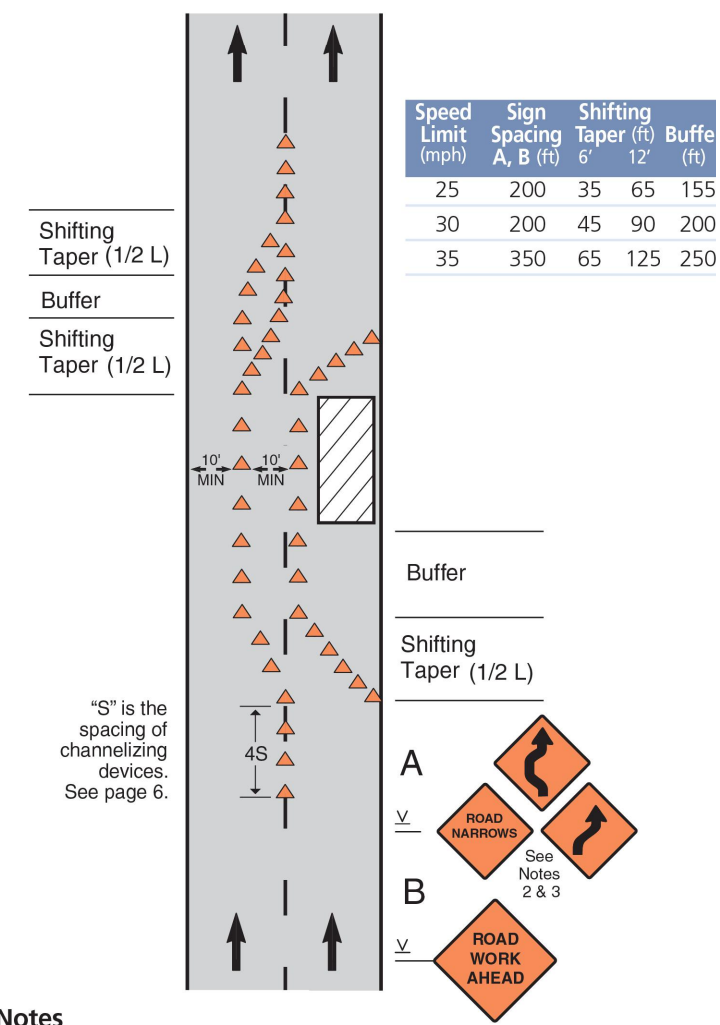
**Work in Travel Lane**  
(Maintaining Two-Way Traffic, 35 mph or Less)



**Notes**

1. Where pavement markings conflict with the temporary travel path, the channelizing devices separating opposing traffic should have a maximum spacing in feet of 1/2 the speed limit in mph.
2. The ROAD NARROWS or Reverse Curve/Turn sign is optional on roads with low volume or where the lane shift requires only a minor deviation in the travel path. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.
3. If the tangent is more than 600', the Reverse Curve/Turn sign should be used instead of the Double Reverse Curve sign.
4. If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.

**Work in Travel Lane on Divided or One-Way Roadway**  
(35 mph or Less)



**Notes**

1. Where pavement markings conflict with the temporary travel path, the channelizing devices separating opposing traffic should have a maximum spacing in feet of 1/2 the speed limit in mph.
2. If the tangent is more than 600 feet, the Reverse Curve/Turn sign should be used instead of the Double Reverse Curve sign.
3. If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.

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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

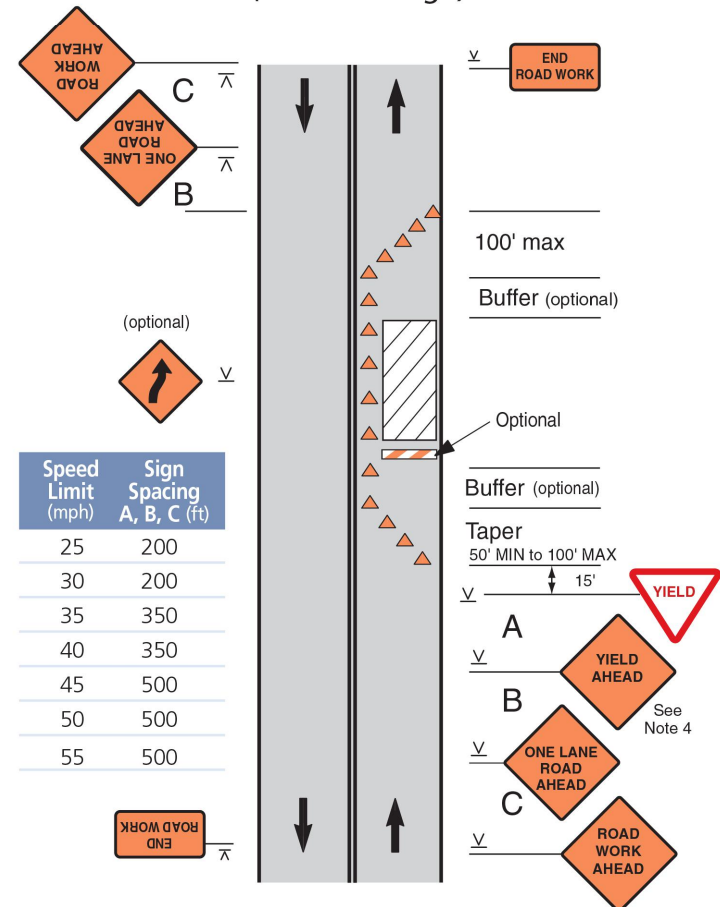
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
TCP-4

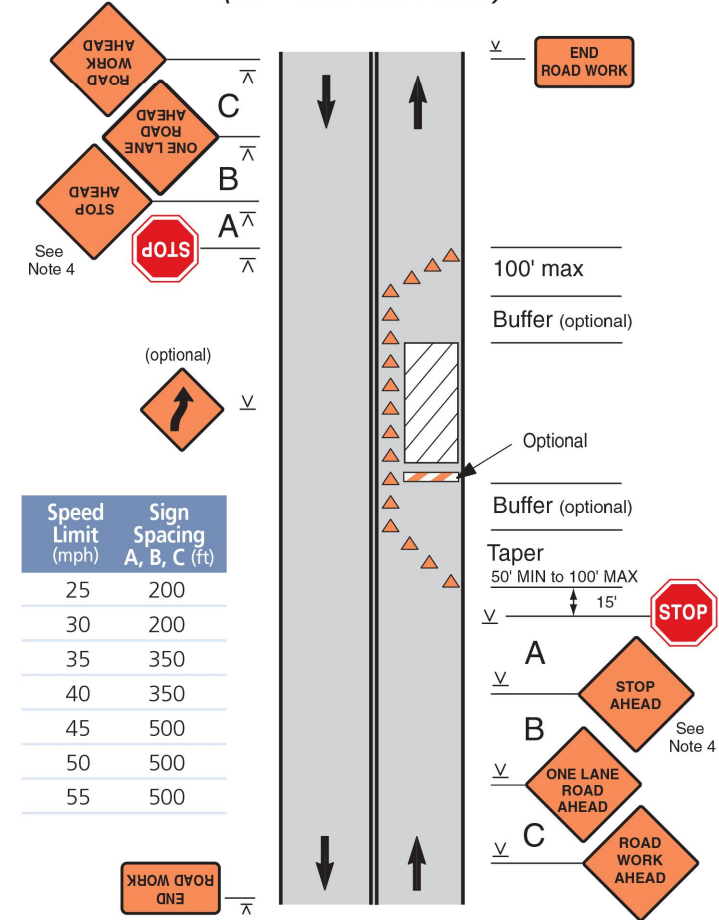
**Lane Closure on a Two-Lane Local Road with Low Volume (with Yield Sign)**



**Notes**

1. This layout may be used when volume is low, work area short, sight distance good, and traffic can see beyond the work area.
2. This layout shall not be used on a state highway, connecting highway or any other roadway officially designated as a "through" highway.
3. The YIELD sign shall only be used with permission from the authority having jurisdiction over the roadway.
4. Set the buffer area lengths based on space at the site. The total length of the temporary traffic control zone must be short enough that drivers can see approaching traffic beyond the work area.
5. YIELD AHEAD symbol sign may be used.

**Lane Closure on a Two-Lane Road with Stop Signs (ADT Less Than 1000)**



**Notes**

1. Consider using this layout when ADT is less than 1000, work area is short, sight distance good, and traffic can see beyond the work area. It could be appropriate for ADT above 1000 if limited to off-peak hours.
2. STOP signs shall only be used with permission from the authority having jurisdiction over the roadway.
3. Determine buffer area length based on space at the site. Total length of the temporary traffic control zone must be short enough that drivers from both directions can see approaching traffic beyond the work area.
4. Stop Ahead symbol sign may be used.
5. On State Roads use the appropriate WisDOT Standard design detail or consult with a WisDOT Regional Work Zone engineer.

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TASK NAME  
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TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

SHEET SCALE  
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SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-5**

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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

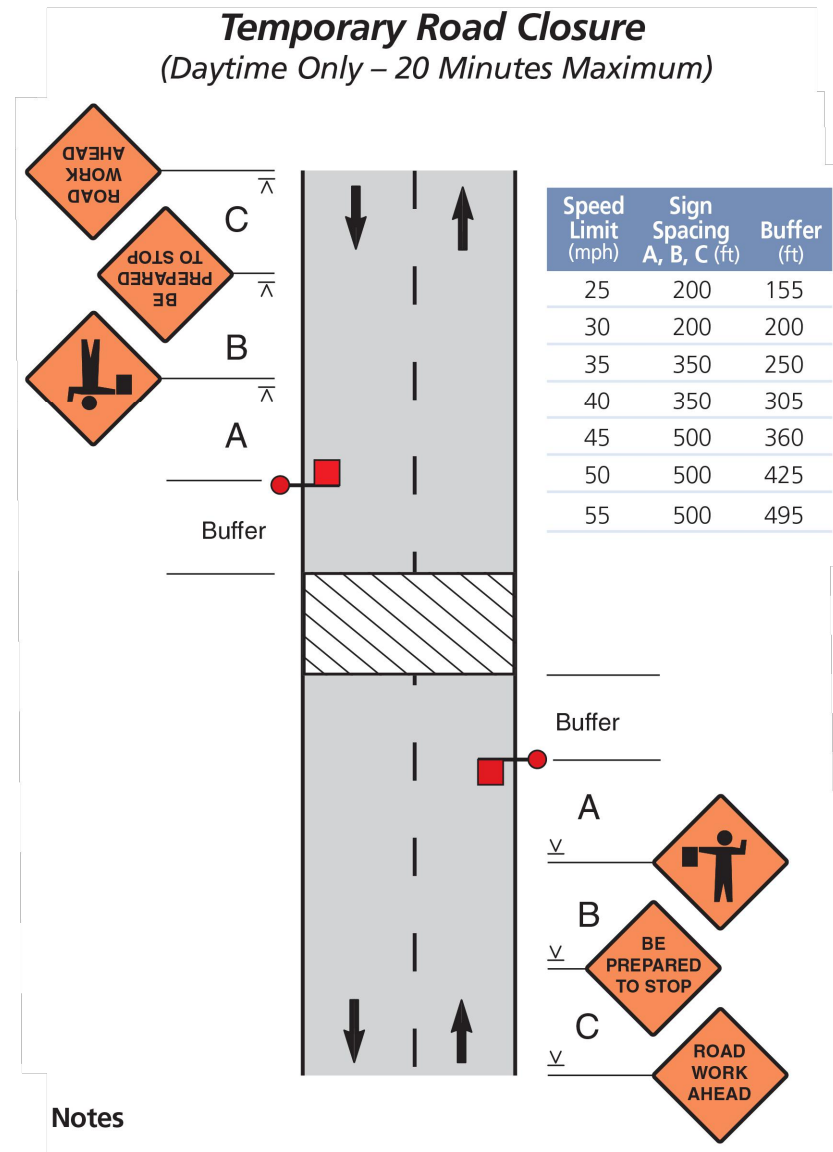
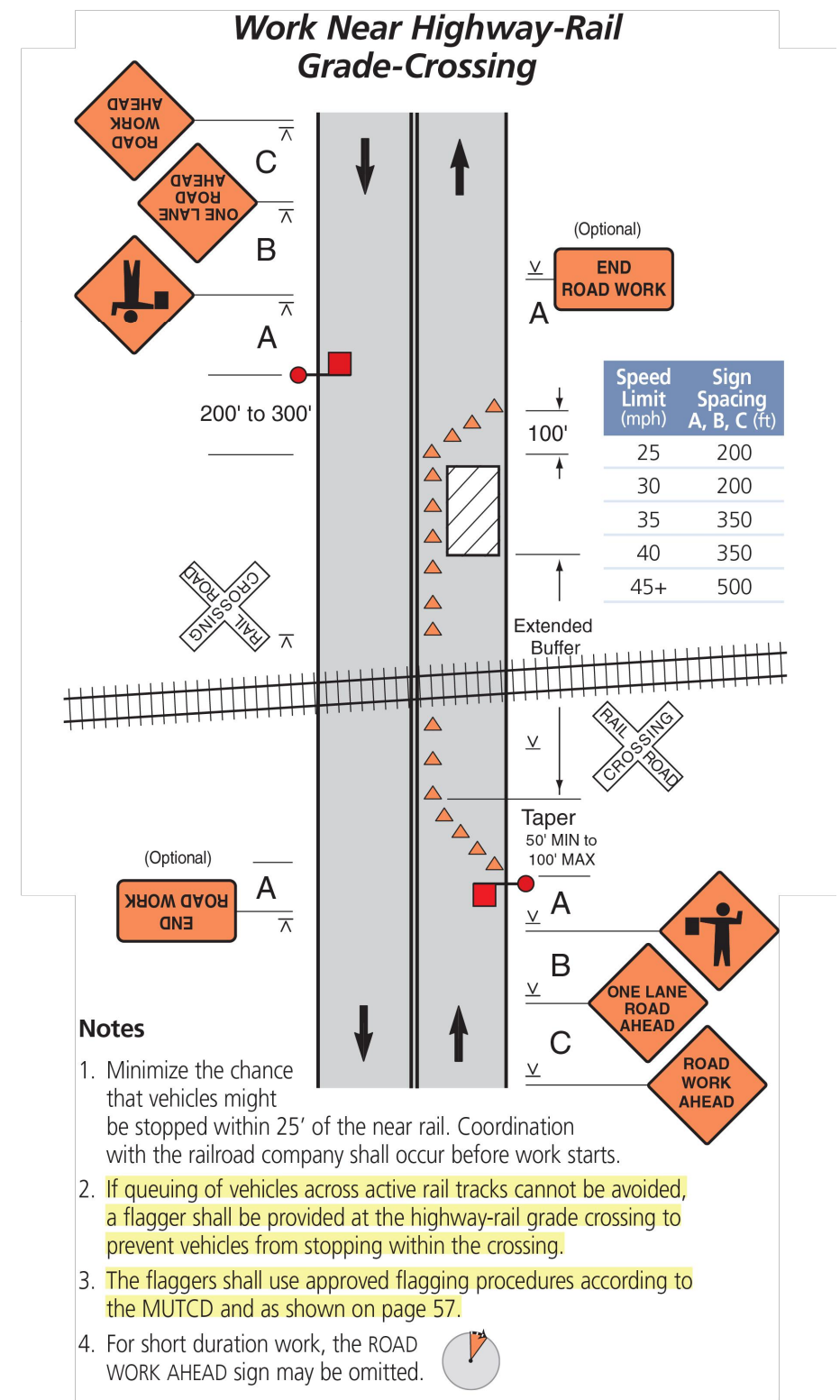
PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

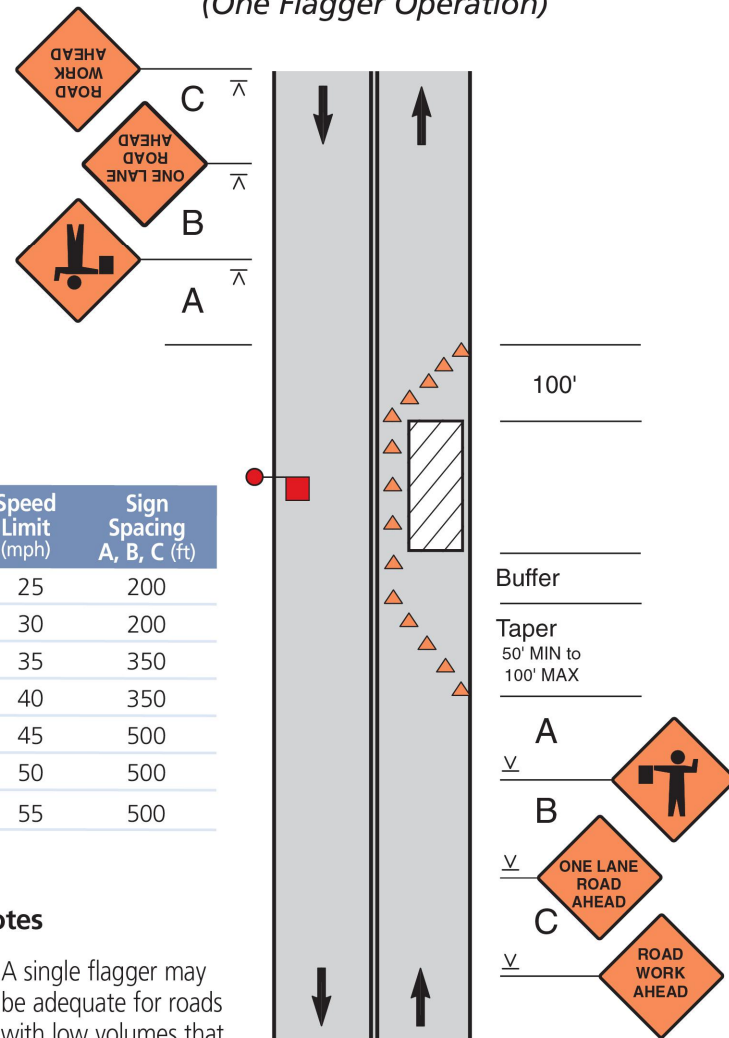
GRID NUMBER

SHEET NUMBER  
**TCP-6**





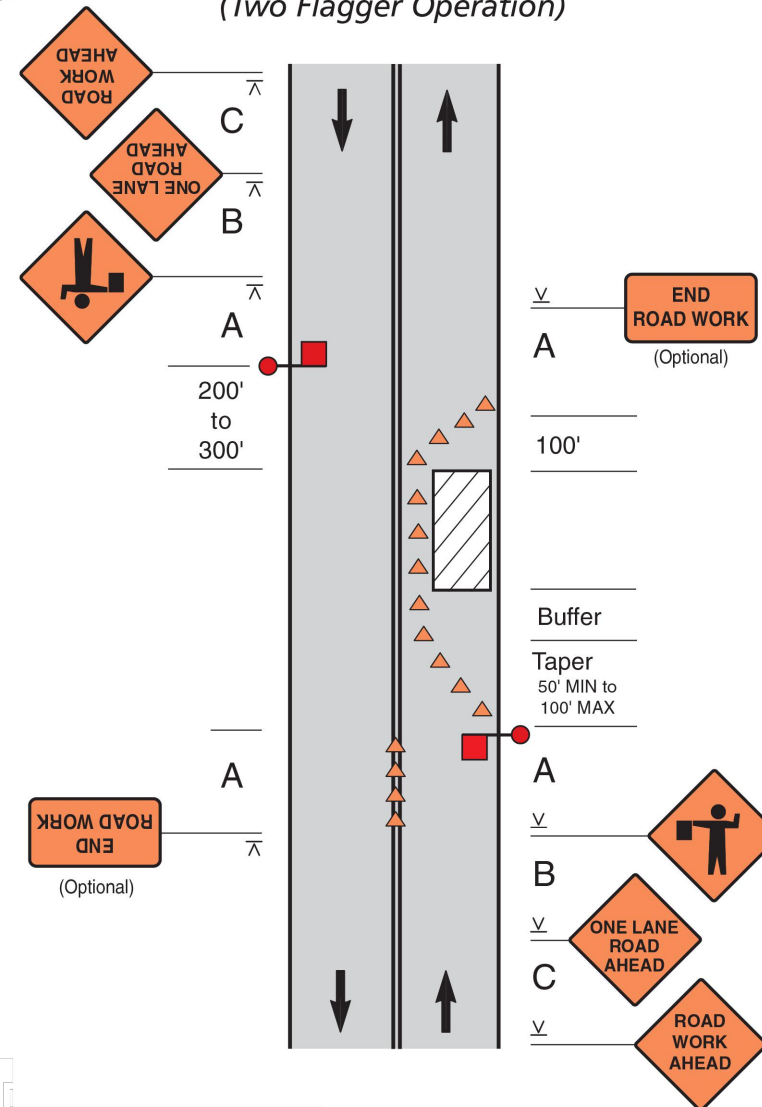
### Lane Closure on a Two-Lane Road with Low-Volume (One Flagger Operation)



**Notes**

1. A single flagger may be adequate for roads with low volumes that have short, straight work areas. Where one flagger is used, the flagger should be visible to approaching traffic from both directions.
2. Set the buffer area lengths based on space at the site. The total length of the temporary traffic control zone must be short enough that drivers can see approaching traffic or flagger beyond the work area.
3. The flagger shall use approved flagging procedures according to the MUTCD and as shown on page 57.
4. For short duration work, the ROAD WORK AHEAD sign may be omitted.

### Lane Closure on a Two-Lane Road (Two Flagger Operation)



| Speed Limit (mph) | Sign Spacing A, B, C (ft) | Buffer (ft) |
|-------------------|---------------------------|-------------|
| 25                | 200                       | 155         |
| 30                | 200                       | 200         |
| 35                | 350                       | 250         |
| 40                | 350                       | 305         |
| 45                | 500                       | 360         |
| 50                | 500                       | 425         |
| 55                | 500                       | 495         |

**Notes**

1. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.
2. For short duration work, the ROAD WORK AHEAD sign may be omitted.
3. Pilot cars, Automated Flagger Assistance Device or temporary traffic signals may be used if sight distance is low.

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TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

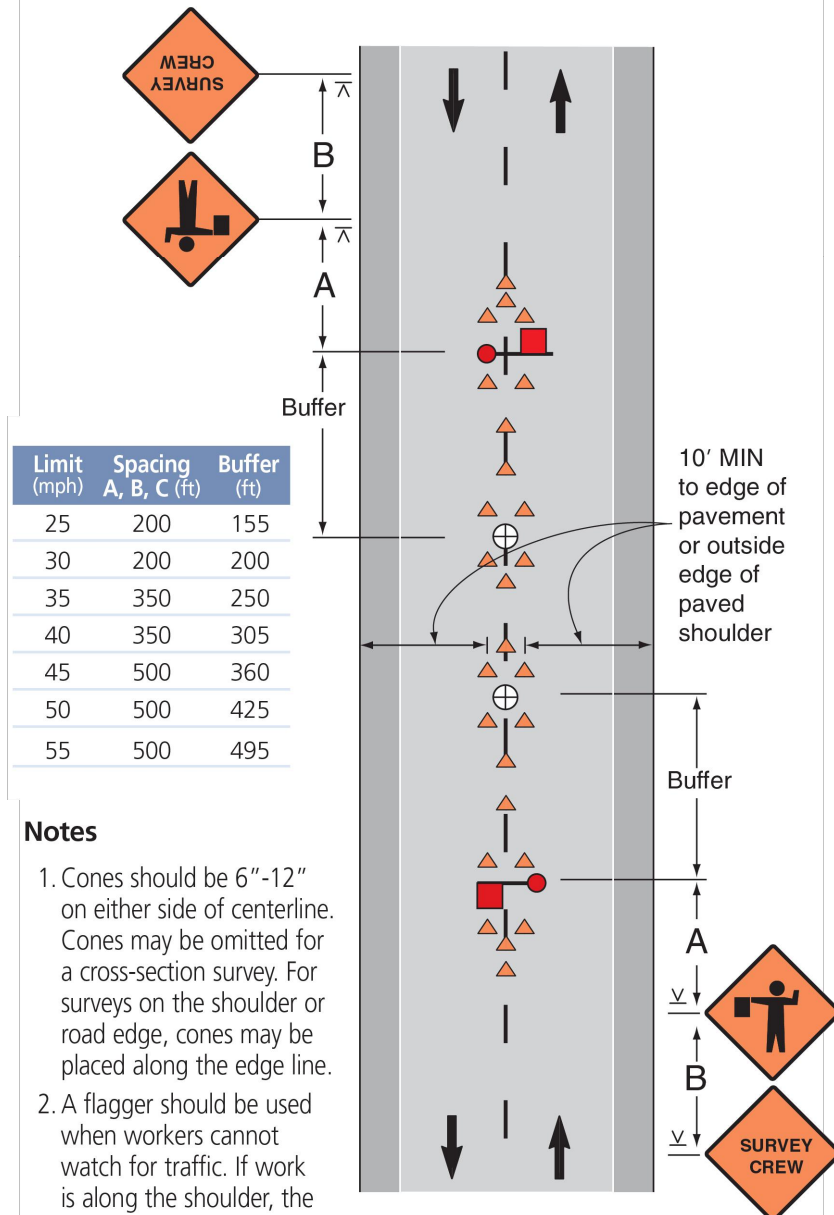
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

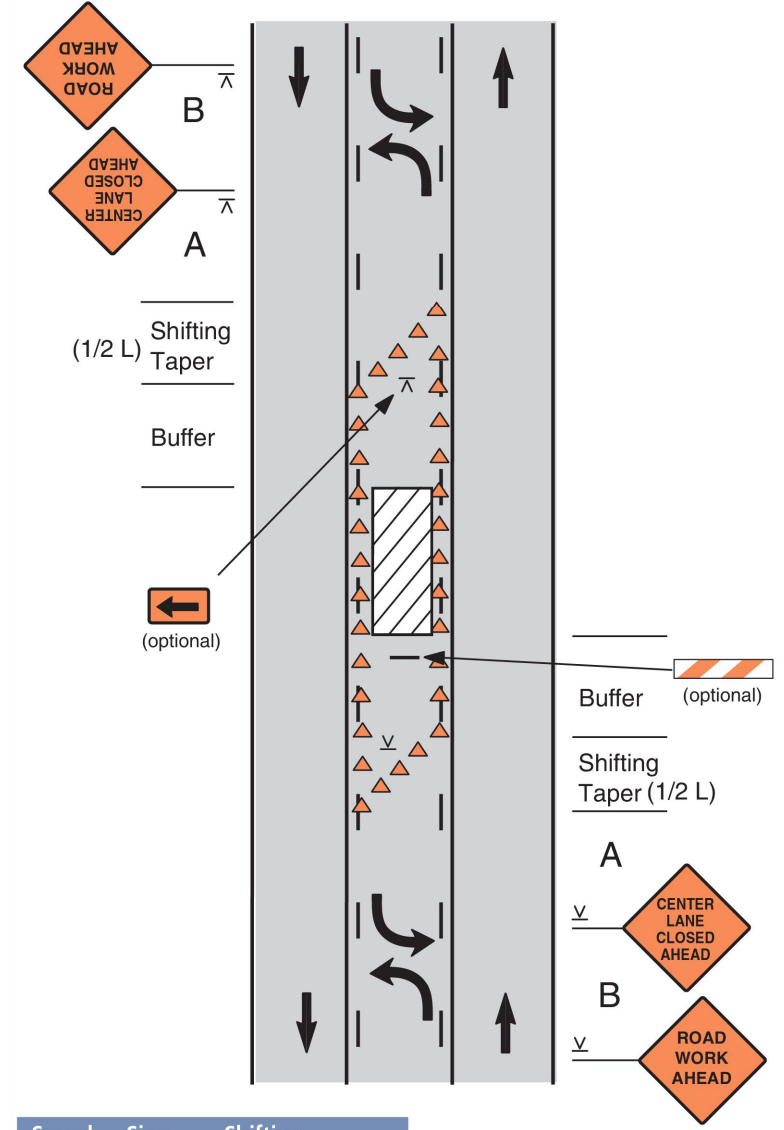
GRID NUMBER

SHEET NUMBER  
TCP-7

### Surveying Along Centerline of Road with Low Volume



### Center Turn Lane Closed on a Three-Lane, Two-Way Road



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**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
TCP-8

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**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

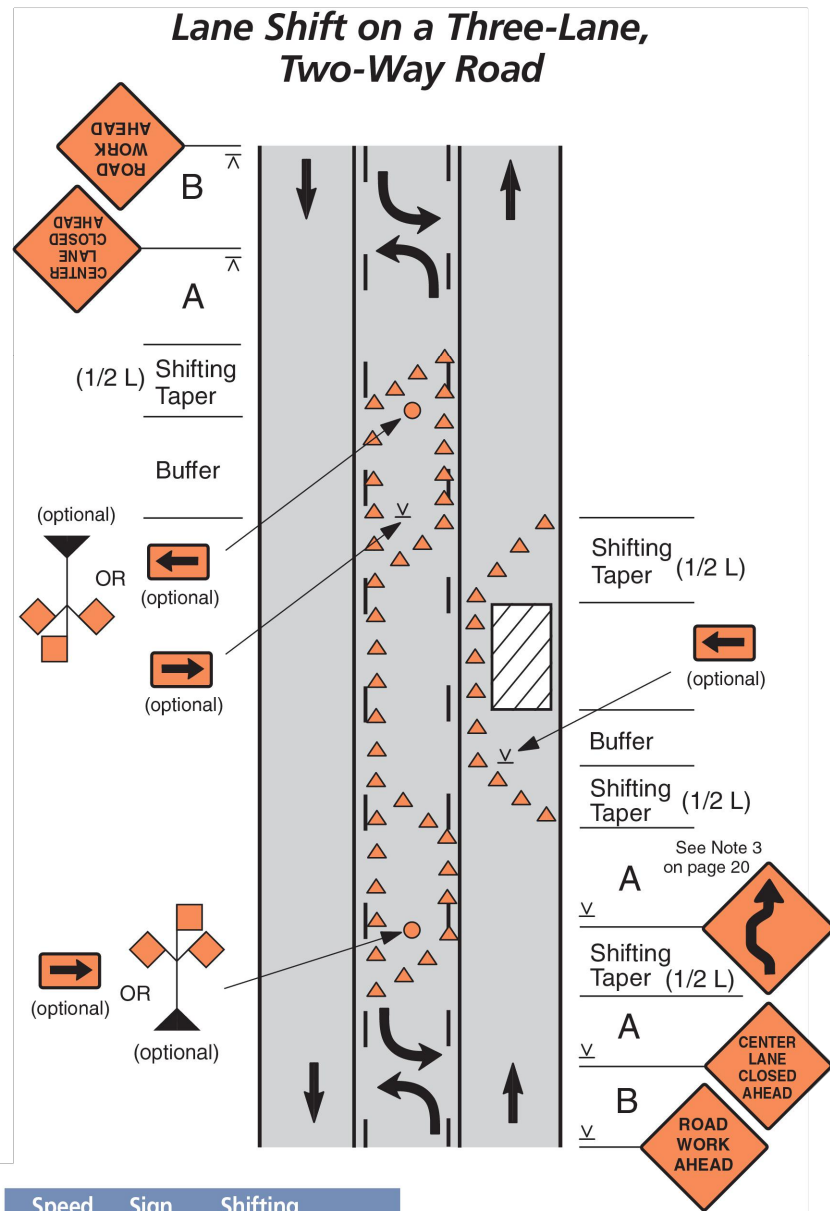
PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

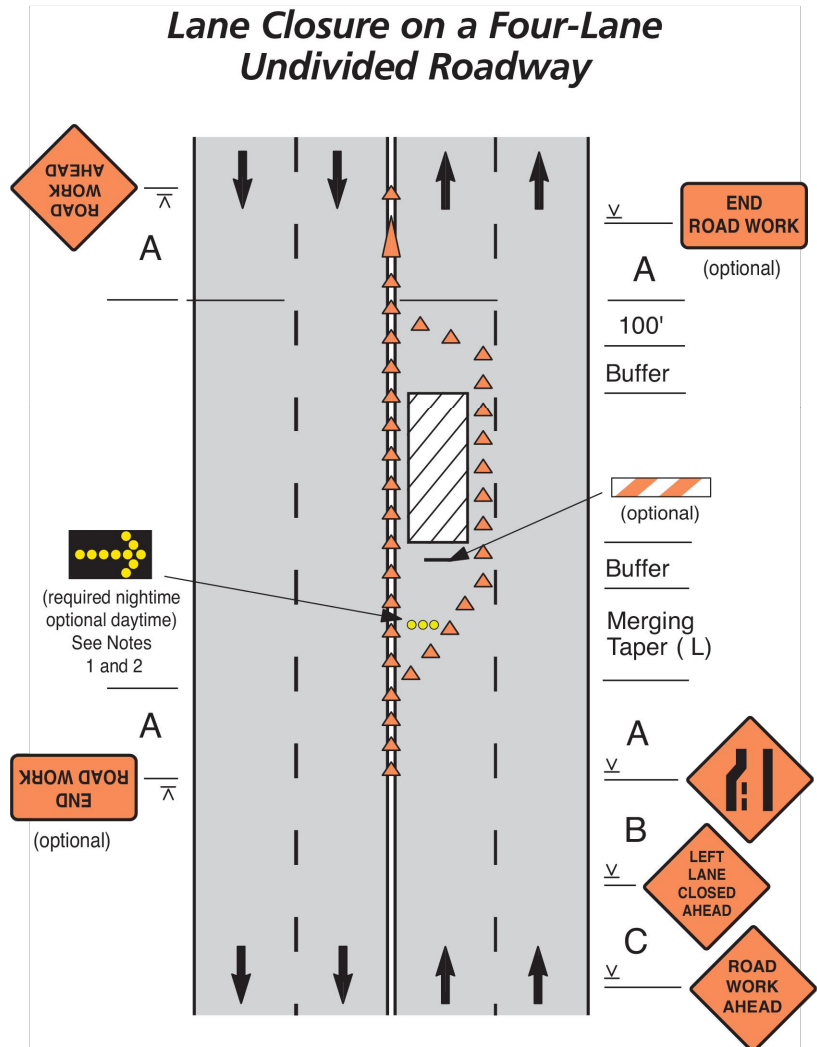
GRID NUMBER

SHEET NUMBER  
**TCP-9**



| Speed Limit (mph) | Sign Spacing A, B (ft) | Shifting Taper (ft) for 12' lane | Buffer (ft) |
|-------------------|------------------------|----------------------------------|-------------|
| 25                | 200                    | 65                               | 155         |
| 30                | 200                    | 90                               | 200         |
| 35                | 350                    | 125                              | 250         |
| 40                | 350                    | 160                              | 305         |
| 45                | 500                    | 270                              | 360         |
| 50                | 500                    | 300                              | 425         |
| 55                | 500                    | 330                              | 495         |

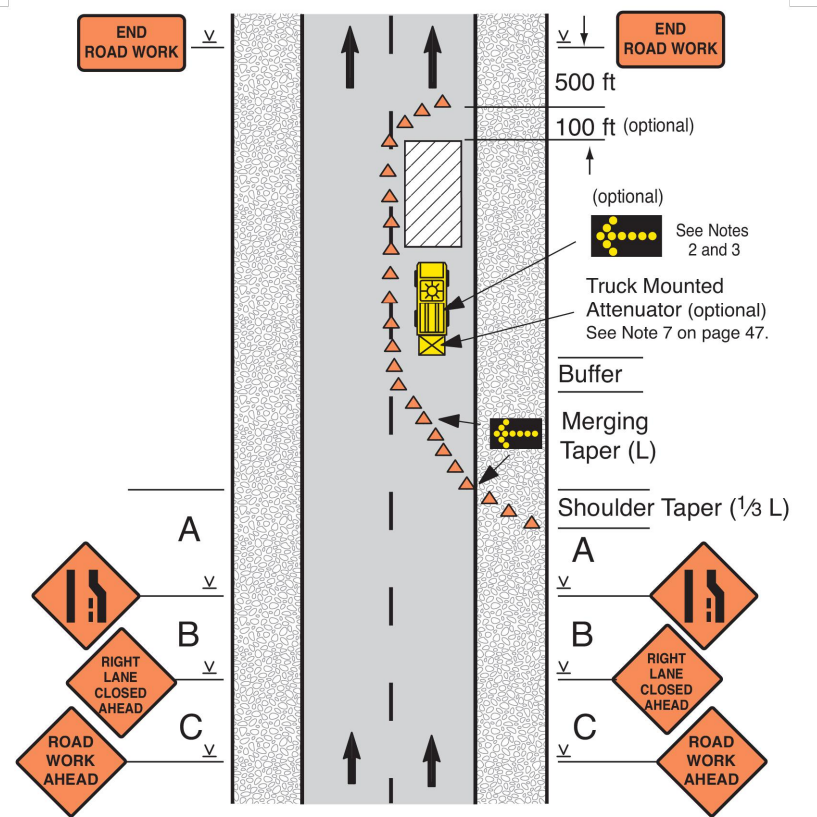
- Notes**
1. Use turn restrictions or close driveways located in the work zone as appropriate.
  2. If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.



| Speed Limit (mph) | Sign Spacing A, B, C (ft) | Merging Taper (ft) for 12' lane | Buffer (ft) |
|-------------------|---------------------------|---------------------------------|-------------|
| 25                | 200                       | 125                             | 155         |
| 30                | 200                       | 180                             | 200         |
| 35                | 350                       | 245                             | 250         |
| 40                | 350                       | 320                             | 305         |
| 45                | 500                       | 540                             | 360         |
| 50                | 500                       | 600                             | 425         |
| 55                | 500                       | 660                             | 495         |

- Notes**
1. An arrow board is optional based on traffic volume, speed, and visibility. Generally, it is a good practice on roads with speeds of 35 mph or greater. When used, it should be placed near the beginning of the taper or on a vehicle in the work area.
  2. If an arrow board is not used, a Large Arrow sign or directional indicator barricades in the taper can be used for added guidance.

### Lane Closure on Divided or One-Way Roadway

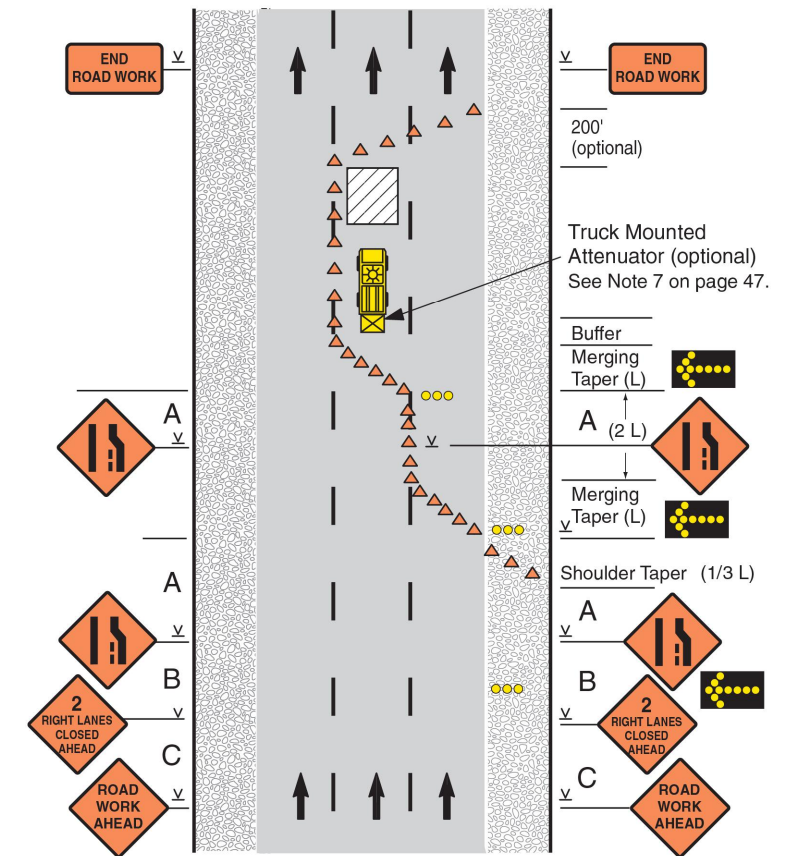


**Notes**

- When a side road intersects the roadway within the work zone, additional devices shall be erected to channelize traffic to/from the side road, and a ROAD WORK AHEAD sign shall be placed on each side of road approach.
- An arrow board shall be used when a freeway lane is closed. When more than one lane is closed, a separate arrow board shall be used for each.
- Except for freeways, an arrow board is optional based on traffic volume, speed, and visibility. Generally, it is a good practice where speeds are 35 mph or greater. When used, it should be placed near the beginning of the taper or on a vehicle in the work area.
- If an arrow board is not used, a Large Arrow sign or directional indicator barricades in the taper can be used to provide added guidance.

| Speed Limit (mph) | Sign Spacing (ft) |      |      | Merging Taper (ft) for 12' lane | Buffer (ft) |
|-------------------|-------------------|------|------|---------------------------------|-------------|
|                   | A                 | B    | C    |                                 |             |
| 30                | 200               | 200  | 200  | 180                             | 200         |
| 35                | 350               | 350  | 350  | 245                             | 250         |
| 40                | 350               | 350  | 350  | 320                             | 305         |
| 45                | 500               | 500  | 500  | 540                             | 360         |
| 50                | 1000              | 1500 | 2640 | 600                             | 425         |
| 55                | 1000              | 1500 | 2640 | 660                             | 495         |
| 60                | 1000              | 1500 | 2640 | 720                             | 570         |
| 65                | 1000              | 1500 | 2640 | 780                             | 645         |
| 70                | consult WisDOT    |      |      |                                 |             |

### Double Lane Closure on Divided or One-Way Roadway



**Notes**

- When a side road intersects the roadway within the work zone, additional devices shall be erected to channelize traffic to/from the side road, and a ROAD WORK AHEAD sign shall be placed on each side road approach.
- An arrow board shall be used for each freeway lane closed. The second arrow board should be placed near the beginning of the second merging taper or on a vehicle in the work area.

| Speed Limit (mph) | Sign Spacing (ft) |      |      | Merging Taper (ft) for 12' lane | Buffer (ft) |
|-------------------|-------------------|------|------|---------------------------------|-------------|
|                   | A                 | B    | C    |                                 |             |
| 35                | 350               | 350  | 350  | 245                             | 250         |
| 40                | 350               | 350  | 350  | 320                             | 305         |
| 45                | 500               | 500  | 500  | 540                             | 360         |
| 50                | 1000              | 1500 | 2640 | 600                             | 425         |
| 55                | 1000              | 1500 | 2640 | 660                             | 495         |
| 60                | 1000              | 1500 | 2640 | 720                             | 570         |
| 65                | 1000              | 1500 | 2640 | 780                             | 645         |
| 70                | consult WisDOT    |      |      |                                 |             |

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TASK NAME  
**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

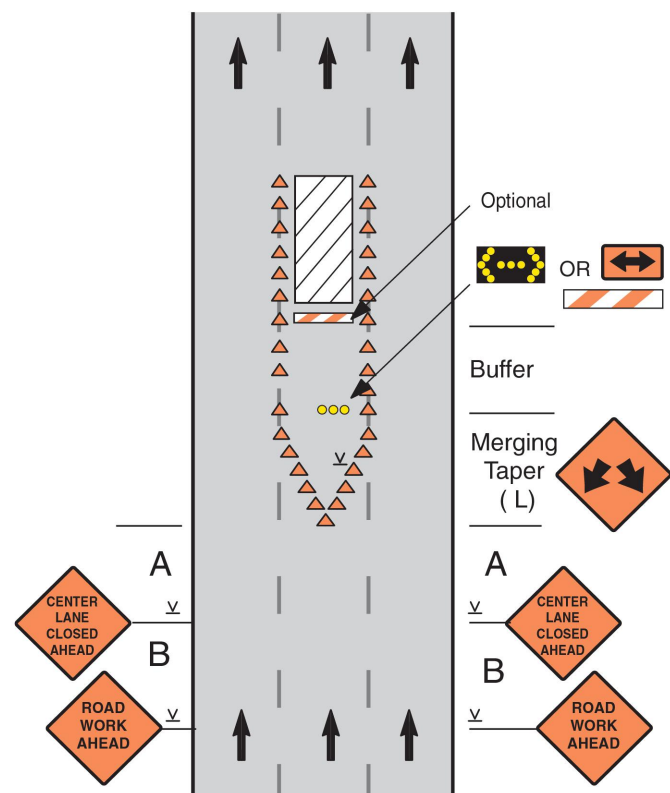
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
TCP-10

### Center Lane Closure on Divided or One-Way Multi-Lane Roadway (Speeds of 35 mph or Less)

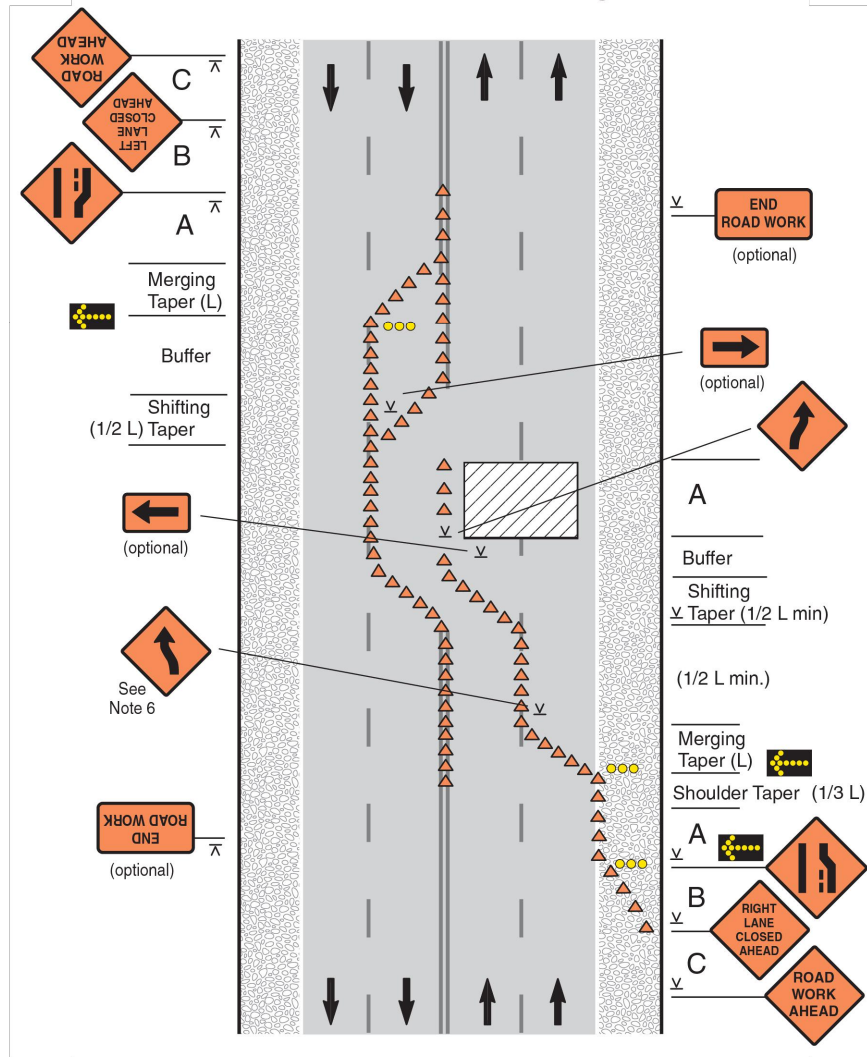


**Notes**

- The merging taper shall direct traffic into either the right or left lane but not both. Consider turning volumes and bus stop locations to determine the direction for the merging taper.
- An arrow board shall be used when a freeway lane is closed.
- When an arrow board is used, it should be placed in the closed lane near the end of the merging taper or on a vehicle in the work area.
- If an arrow board is not used, a Large Double Arrow sign may be used to provide added guidance.

| Limit (mph) | Spacing (ft) |     | Taper (ft) for 12' lane | Buffer (ft) |
|-------------|--------------|-----|-------------------------|-------------|
|             | A            | B   |                         |             |
| 25          | 200          | 200 | 125                     | 155         |
| 30          | 200          | 200 | 180                     | 200         |
| 35          | 350          | 350 | 245                     | 250         |

### Half Road Closure on Multi-Lane Roadway



| Speed Limit (mph) | Sign Spacing A, B, C (ft) | Merging Taper (ft) for 12' lane | Shifting Taper (ft) for 12' lane | Buffer (ft) |
|-------------------|---------------------------|---------------------------------|----------------------------------|-------------|
| 25                | 200                       | 125                             | 65                               | 155         |
| 30                | 200                       | 180                             | 90                               | 200         |
| 35                | 350                       | 245                             | 125                              | 250         |
| 40                | 350                       | 320                             | 160                              | 305         |
| 45                | 500                       | 540                             | 270                              | 360         |
| 50                | 500                       | 600                             | 300                              | 425         |
| 55                | 500                       | 660                             | 330                              | 495         |

| REV | DATE     | DESCRIPTION       | BY |
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**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
TCP-11

| REV | DATE     | DESCRIPTION       | BY |
|-----|----------|-------------------|----|
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TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

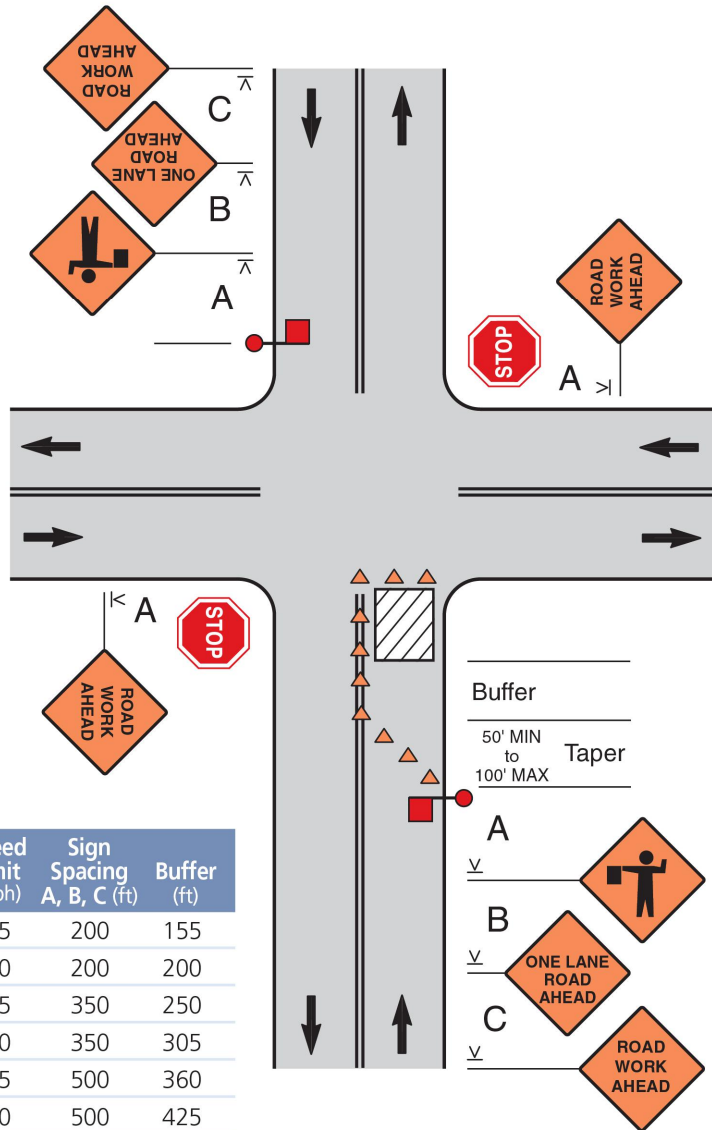
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

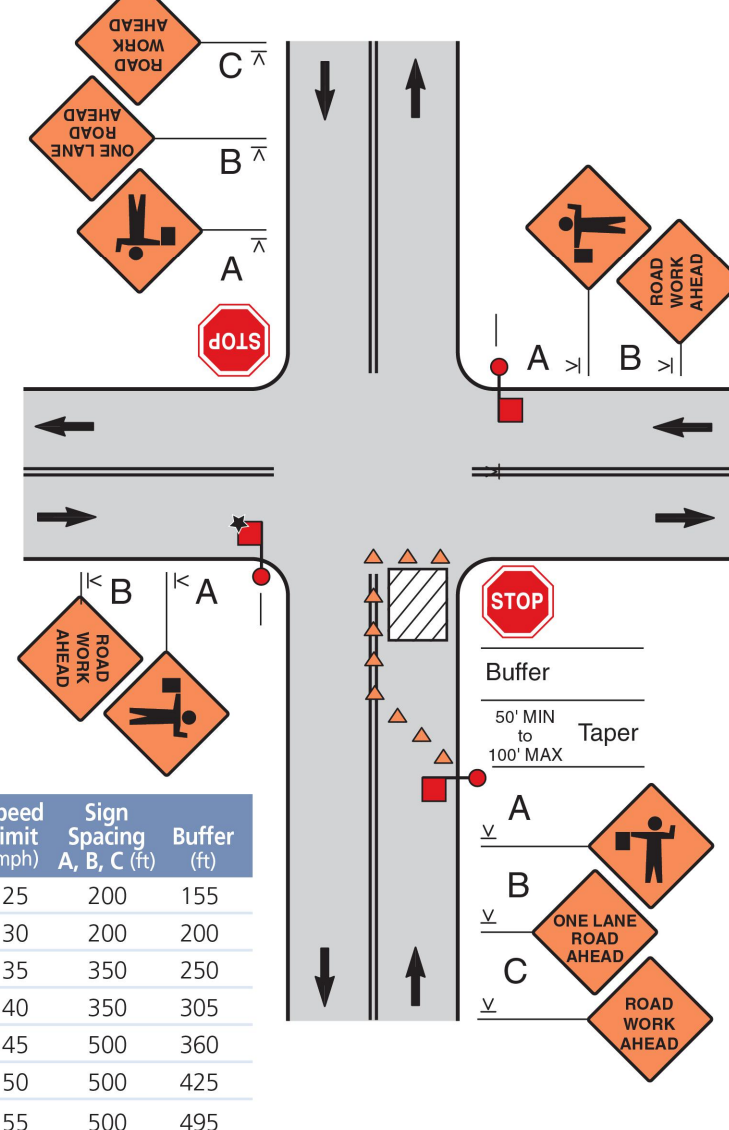
SHEET NUMBER  
TCP-12

**Lane Closure in Advance of an Intersection**  
(Work Area on the Through Road)



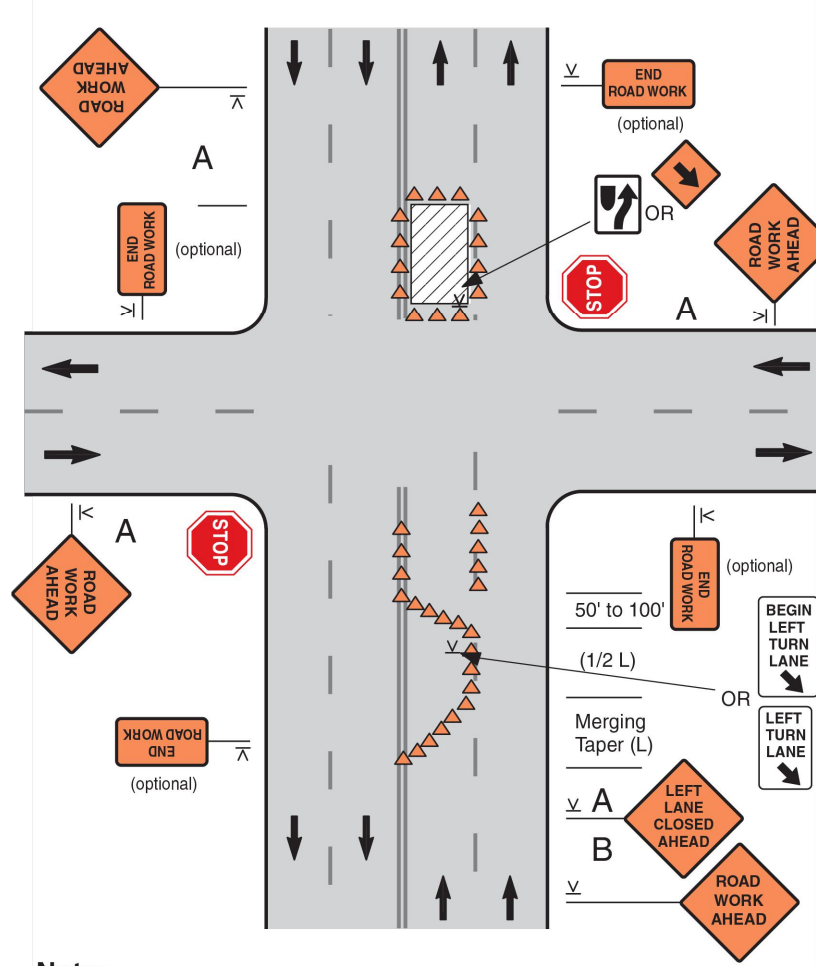
- Notes**
- Depending on traffic conditions, consider additional traffic control on the side road approaches, such as flaggers and appropriate signs.
  - The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.

**Lane Closure in Advance of an Intersection**  
(Work Area on the Side Road)

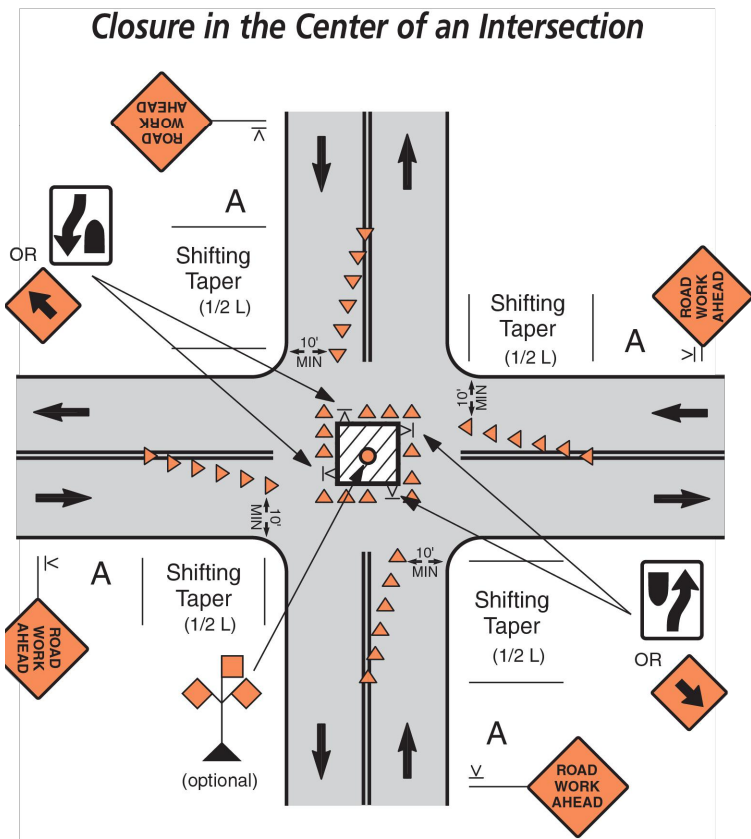


- Notes**
- Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.
  - The middle flagger has the best view of traffic from all directions and would normally be **lead flagger** and coordinate the other flaggers.
  - The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.
  - A temporary STOP sign on the main street can also be used.

**Lane Closure on Far Side of Intersection**  
(Speeds of 35 mph or Less)



- Notes**
- This layout is only appropriate for roads with speeds of 35 mph or less. For higher speeds, see page 32 for advance signing and taper layout.
  - Normal procedure is to close any lane that is not carried through the intersection on the near side of the intersection. However, if this results in the closure of a lane having significant turning movements, then that lane may be converted to a turn bay, and/or the lane may be restricted to turns only, as shown.
  - A Large Arrow sign or Arrow Board could be used instead of the Keep Right or Down Arrow sign where space permits.



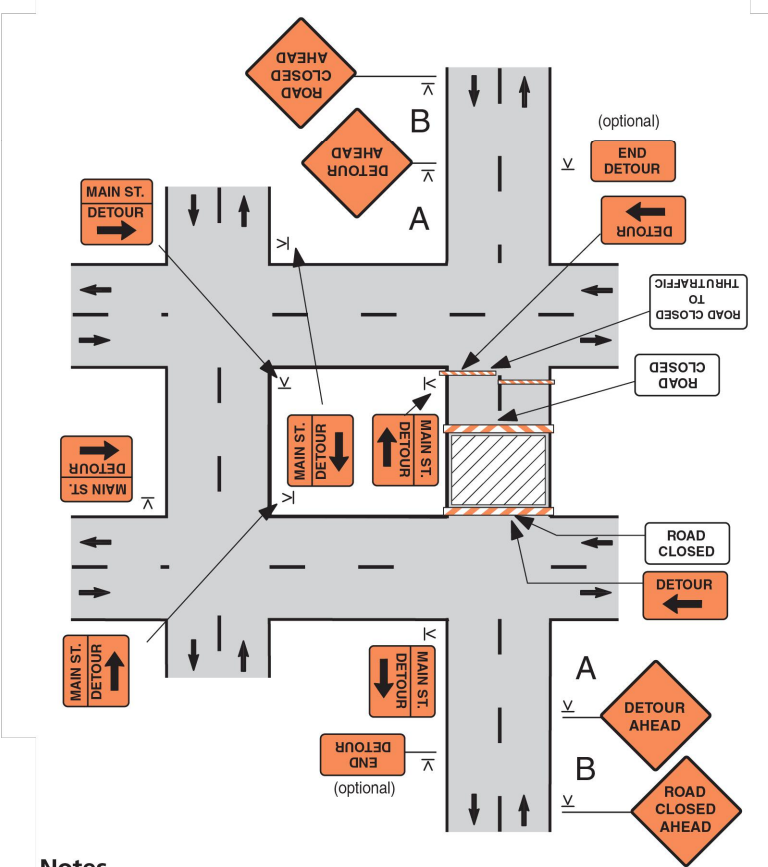
**Notes**

1. Consider additional advance warning signs such as ROAD NARROWS or Reverse Curve/ Turn. The Reverse Curve/ Turn sign is appropriate for larger deviations in the travel path.
2. Left turns may be prohibited as required by traffic conditions. Unless the streets are wide, it may be physically impossible to turn left, especially for large vehicles.
3. For short duration work, the channelizing devices may be eliminated if a vehicle with activated high intensity lights is positioned in the work space.

| Speed Limit (mph) | Sign Spacing A, B (ft) | Shift Taper (ft) |           |
|-------------------|------------------------|------------------|-----------|
|                   |                        | 5' shift         | 10' shift |
| 25                | 200                    | 30               | 55        |
| 30                | 200                    | 40               | 75        |
| 35                | 350                    | 55               | 105       |
| 40                | 350                    | 70               | 135       |
| 45                | 500                    | 115              | 225       |
| 50                | 500                    | 125              | 250       |
| 55                | 500                    | 140              | 275       |



**Street Closure with Detour**



**Notes**

1. This layout should be used for streets and roads without posted route numbers. See figure 6H-8 and 6H-9 of the MUTCD Part 6 for closing and detouring a numbered highway.
2. When a side road intersects the roadway within the work zone, place Type III barricades and ROAD CLOSED signs at the intersections, and provide advance signing of the closure on the side road approaches.
3. A street name sign may be mounted with the DETOUR sign and should be used if a local road is detoured onto a state highway. If used, the street nameplate goes above the DETOUR sign.
4. A DETOUR sign with an advance turn arrow may be used in advance of a turn and should be used on multilane streets.
5. DETOUR signs may be located on the far side of intersections.

| Speed Limit (mph) | Sign Spacing A, B (ft) |
|-------------------|------------------------|
| 25-30             | 200                    |
| 35-40             | 350                    |
| 45-55             | 500                    |

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TASK NAME

**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-13**

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TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

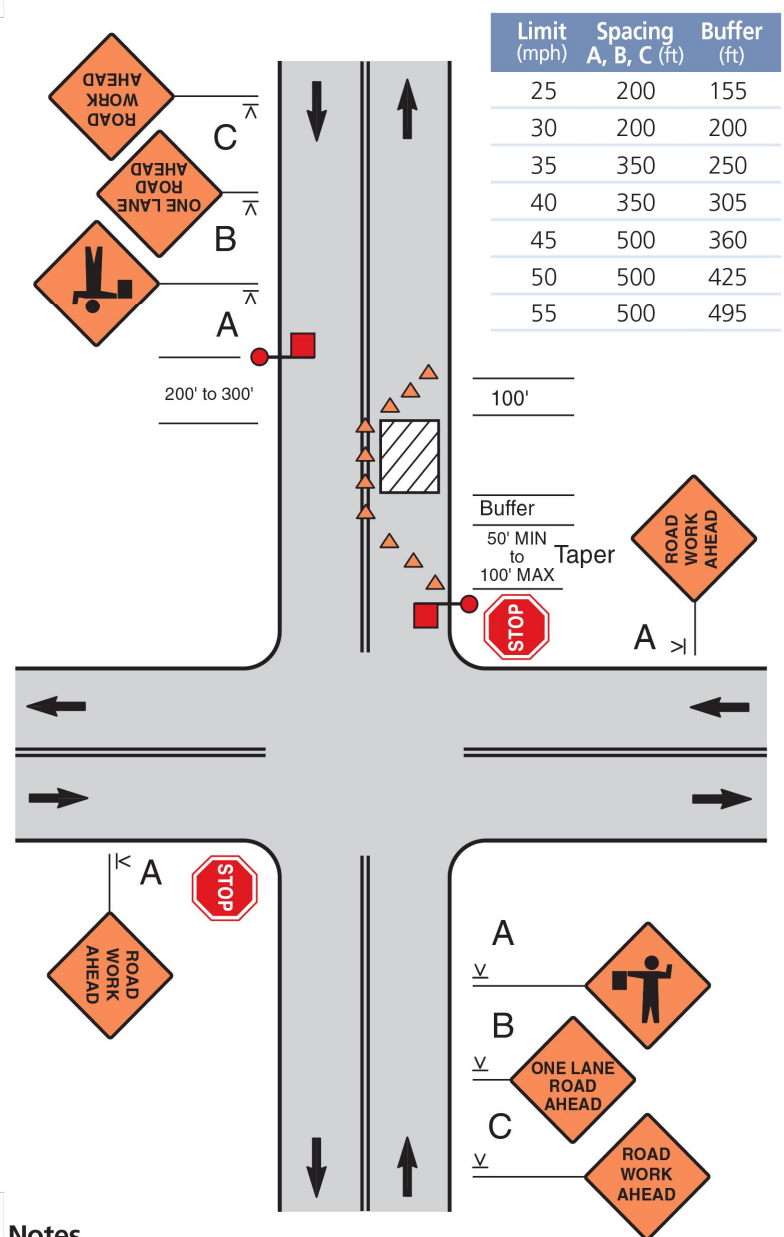
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-14**

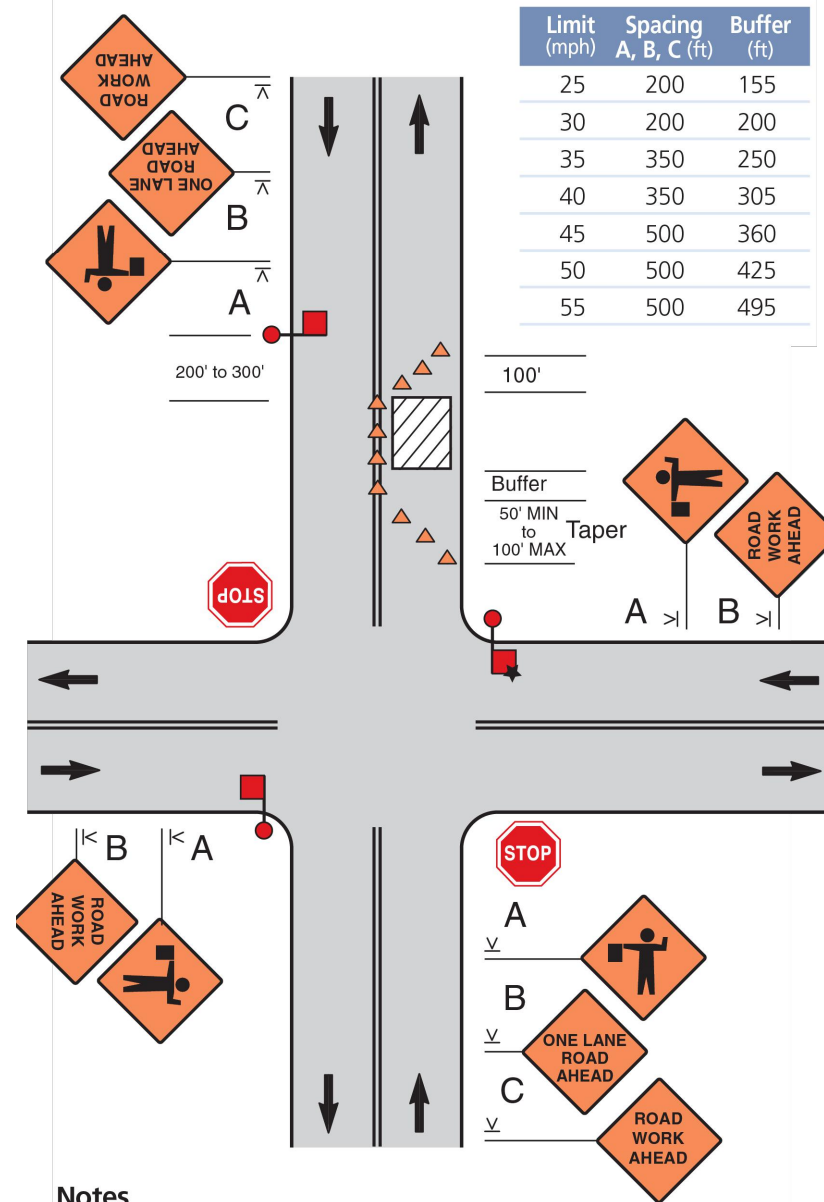
**Lane Closure Beyond an Intersection**  
(Work Area on the Through Road)



**Notes**

1. Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.
2. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.

**Lane Closure Beyond an Intersection**  
(Work Area on the Side Road)

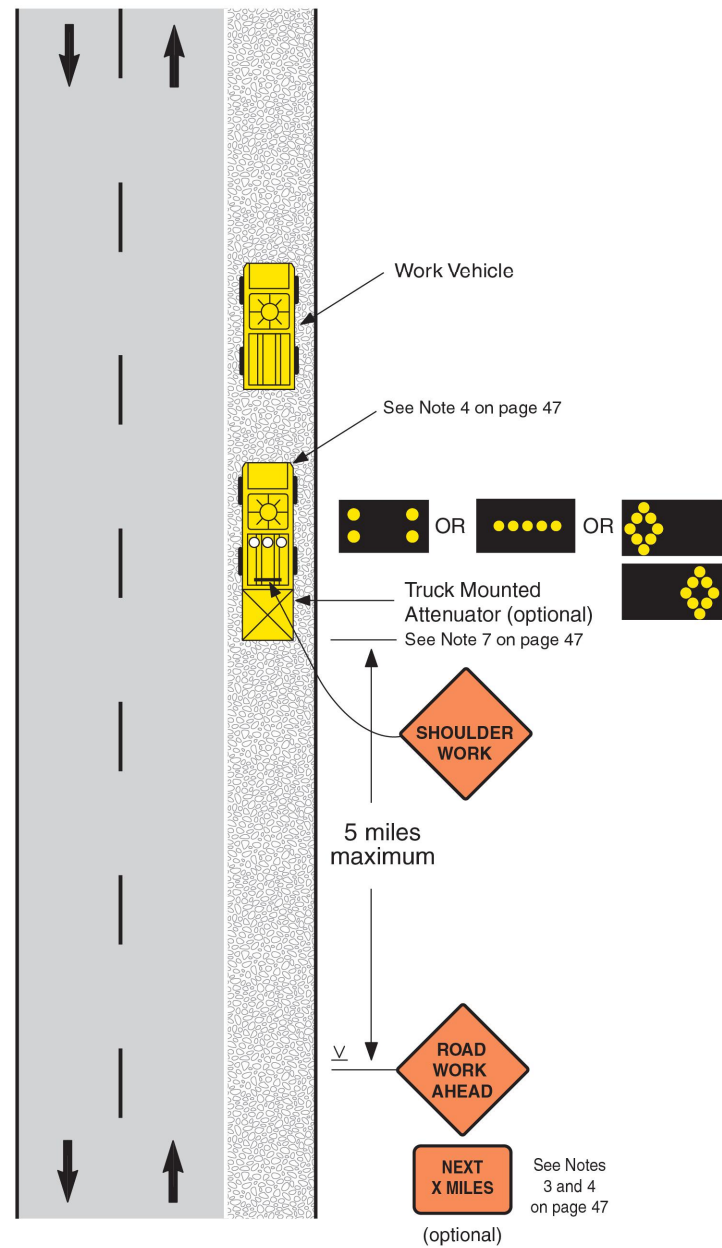


**Notes**

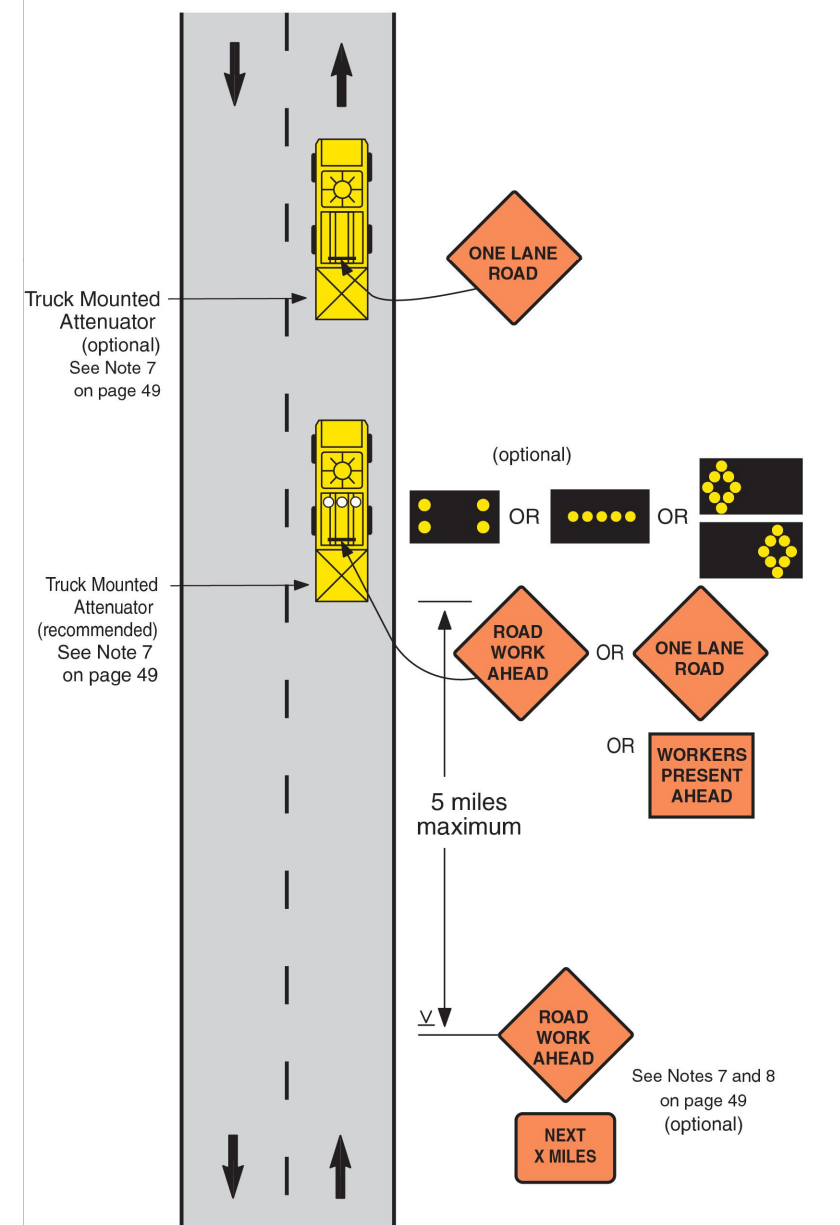
1. Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.
- ★ 2. The middle flagger would normally be *lead flagger* and would coordinate the other flaggers.
3. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.



**Mobile Operation on the Shoulder**



**Mobile Operation on a Two-Lane Road**



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TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

SHEET SCALE  
 N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-15**

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**WILC034**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

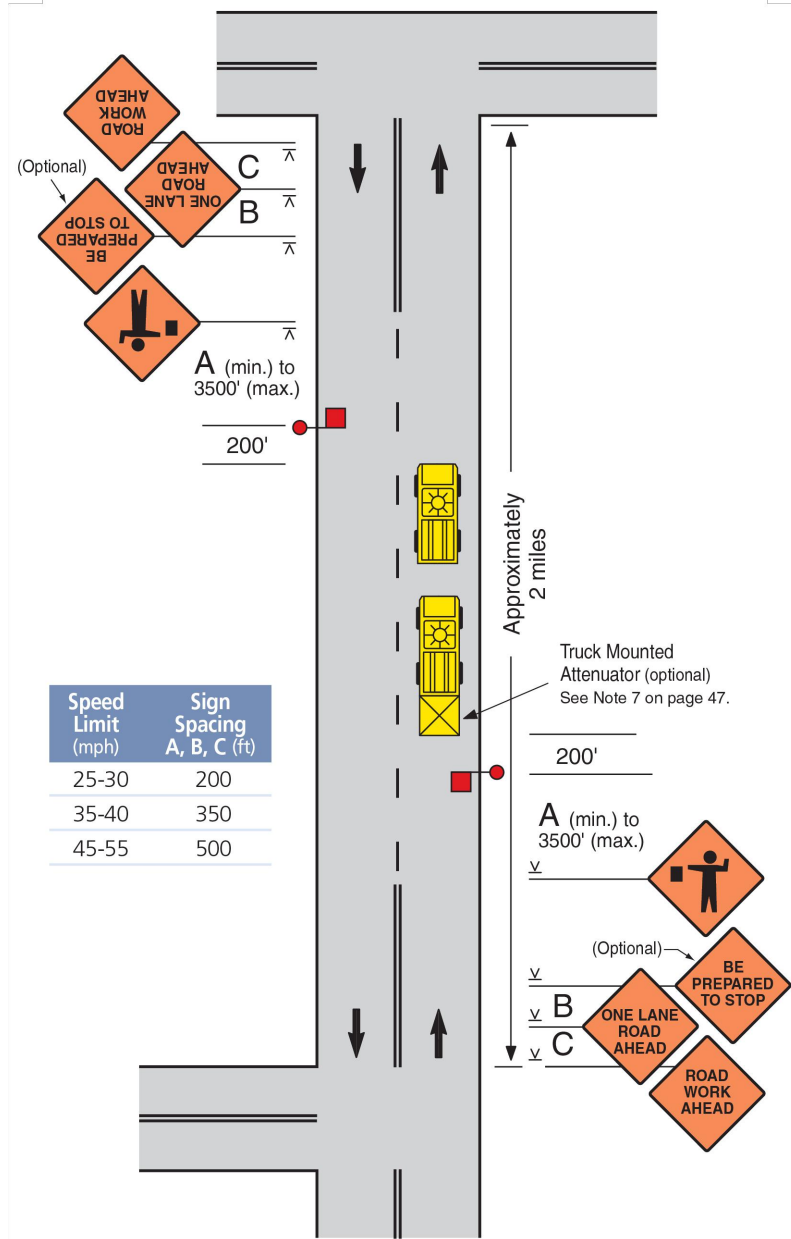
SHEET SCALE  
 N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

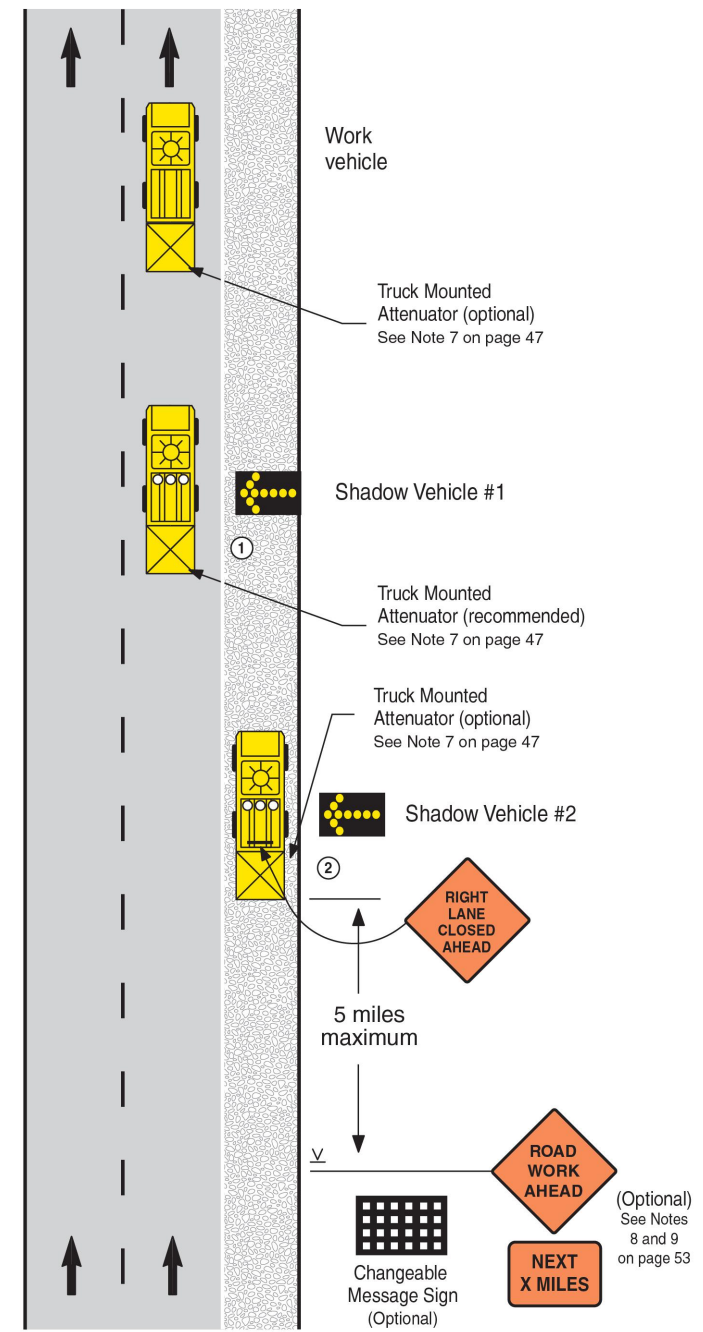
GRID NUMBER

SHEET NUMBER  
**TCP-16**

**Mobile Operation on a Two-Lane Road Using Flaggers**  
 (Traveling at less than 3 mph)



**Mobile Operation on a Multi-Lane Road**



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TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

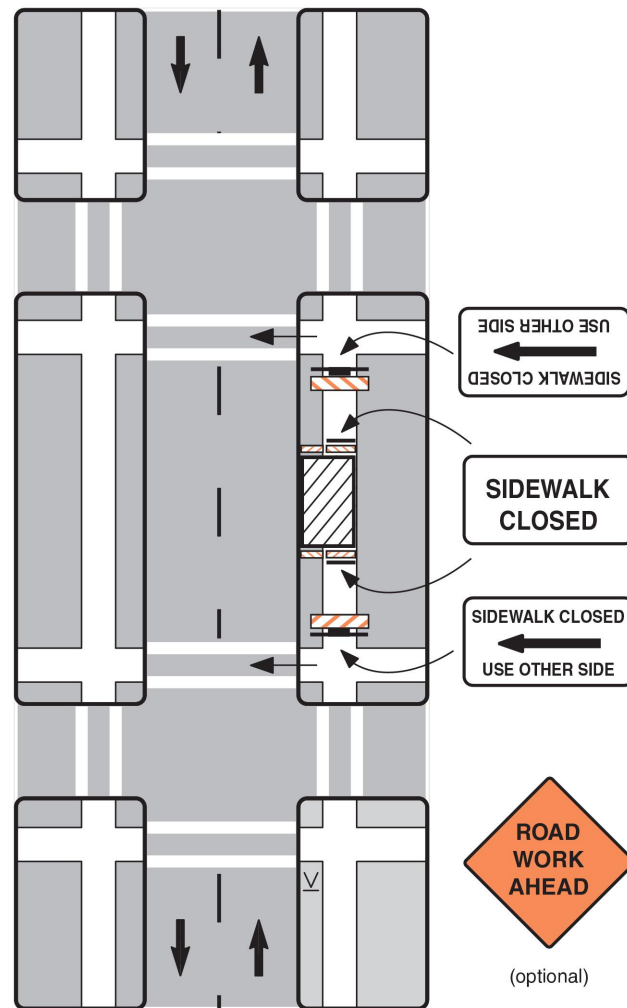
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
TCP-17

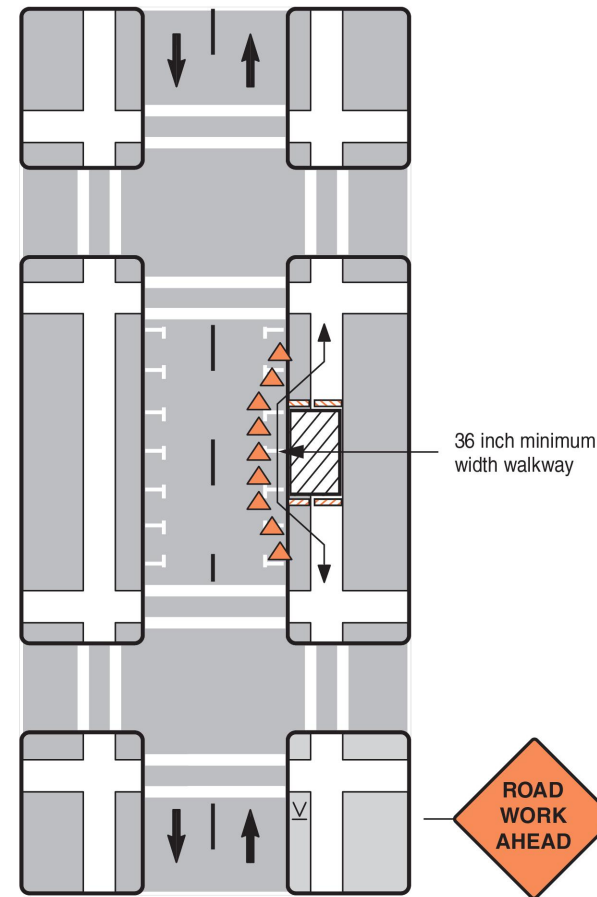
**Sidewalk Closure**  
(Pedestrian Detour)



**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.

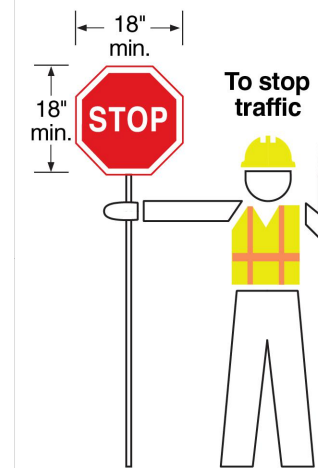
**Sidewalk Closure**  
(Pedestrian Walkway Provided)



**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.
6. Pedestrian walkways should be ADA accessible (i.e., ramps, surfaces).

**Flagging Procedures**



To stop traffic



Traffic proceed



To alert and slow traffic

**Properly trained flaggers**

- give clear messages to drivers as shown
- allow time and distance for drivers to react
- never stand in moving traffic lane
- coordinate with other flaggers

**Properly equipped flaggers use**

- approved sign paddles
- approved safety vest, shirt or coat
- brightly colored hat for better visibility
- retroreflective night equipment

**Proper flagging stations have**

- good approach sight distance
- high visibility to traffic
- illumination at night

**Proper advance warning**

- always use warning signs
- allow reaction distance from signs
- remove signs when not flagging

Flags should only be used in emergency situations. *Flags used for signaling shall be a minimum of 24" x 24", red in color and mounted on a staff about 3' long.*

See the **Flagger's Handbook** for more information on flagging procedures. Transportation Information Center—LTAP University of Wisconsin—Madison [epd.wisc.edu/tic](http://epd.wisc.edu/tic)



# City of La Crosse, Wisconsin

City Hall  
400 La Crosse Street  
La Crosse, WI 54601

## Text File

File Number: 24-1246

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**Agenda Date:** 9/16/2024

**Version:** 1

**Status:** Agenda Ready

**In Control:** Board of Public Works

**File Type:** General Item

**Agenda Number:**