

Village of Hinsdale
19 E. Chicago Avenue
Hinsdale, IL 60521-3489
(630)789-7000

Village Website: www.villageofhinsdale.org

PUBLIC SERVICES UTILITY PERMIT APPLICATION

Date of Application: 7/10/20 Permit No: VER-0012 Permit Expiration Date: 07/10/2021

Utility Company Information:

Company Name: MCImetro Access Transmission Services Corp.
Address: 600 Hidden Ridge
City, State, Zip: Irving, TX 75038
Contact Person: Adam Higham
Phone Number: 312-894-3116
Email Address: adam.higham@ledcor.com
Cell Number: 312-989-0351
Project/Work Order Number: Chicago9923

Contractor Information:

Company Name: LTS Technical Services LLC.
Address: 723 N. Oaklawn Ave
City, State, Zip: Elmhurst, IL 60126
Contact Person: Allan Brotherson
Phone Number: 630-464-1590
Email Address: Allan.Brotherson@ledcor.com
Cell Number: 630-464-1590

PROJECT LOCATION: S. Lincoln St, W. 9th St, S. Grant St, S. Madison St

Description of work covered under this permit: Place (5) 2.5'X5'X2.5' Handhole, Place 6016' of 1-2" HDPE as per plans.

Start Date: TBD

Completion Date: TBD

Site Plan/Details/Specifications (3 sets) included with application? YES NO
Certificate of Insurance included with application? YES NO

Type of Utility: ComEd, Nicor, Comcast, Water, Sewer, Communications, Fiber Optic, Wireless, Other

Applicant Information:

Print Name: Joshua Pathammavong Phone Number: 312-625-9977
Company: LTS Technical Services LLC Email Address: Joshua.Pathammavong@Ledcor.com
Signature: Joshua Pathammavong Date: 7/10/20

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION IN EFFECT ON THE DATE OF PERMIT APPLICATION OF THE FOLLOWING: STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION & SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND THE VILLAGE OF HINSDALE SUBDIVISION ORDINANCE AND ENGINEERING STANDARDS.

Village Use Only

Permit Approved: YES NO

Conditions for Approval/Reasons for Denial: ALL DISTURBED AREAS MUST BE RESTORED WITHIN 14 DAYS OF CABLE INSTALLATION.

Approved By: A. Diaz Date: 10/5/2020

# **MSA MUNICIPAL SERVICES ASSOCIATES, INC.**

September 2, 2020

**REVISED**

Mr. Daniel Deeter, P.E.  
Village Engineer  
Village of Hinsdale  
19 East Chicago Avenue  
Hinsdale, Illinois 60521

Dear Mr. Deeter:

At the direction of the Village of Hinsdale, Municipal Services Associates, Inc. (MSA) has reviewed the plans submitted by Leducor Group (“Leducor”) on behalf of MCImetro for installation of fiber optic cable conduit and tracer wire in the Village of Hinsdale and DuPage County Rights-of-Way along Lincoln Street, West 9<sup>th</sup> Street, and Madison Street. The conduit segment will begin underground north of the intersection of Lincoln Street and West 2<sup>nd</sup> Street. The conduit will be buried by directional boring from a proposed handhole on the west side of Lincoln Street and a proposed bore pit on the east side of the street. The fiber conduit will extend from that point south on Lincoln Street to West 9<sup>th</sup> Street, then west along West 9<sup>th</sup> Street to Madison Street where the conduit will terminate in the Right-of-Way on the northeast corner of 55<sup>th</sup> Street and Madison Street. Leducor and MCImetro intend to utilize directional boring for the entire distance of the project. The total distance of the project is 6016' (1834.15 meters). No aerial plant is proposed.

The project and the recommendations of MSA are described below.

**Existing Facilities:** The project will utilize underground Right-of-Way by way of underground boring. The trench and conduit will be located above existing underground cabling linking a traffic control signal at 55<sup>th</sup> Street and Madison Street. Project plans do not indicate the presence of other utilities that are likely to be located in the Right-of-Way including AT&T, ComEd and Comcast. Nor do the plans identify aerial plant located along West 9<sup>th</sup> Street which contain power, telephone, and cable television lines. MCImetro stated in the plans that it will be the responsibility of the project’s General Contractor, Leducor, to mark and identify specific utilities in the Rights-of-Way along Lincoln Street, West 9<sup>th</sup> Street, and Madison Street. Electrical, cable, and communications lines are typically buried at a depth of 48" (1.22 meters). The proposed MCImetro conduit will be buried at a depth of 36" (.916 meters).

**FCC 2014 Authorization Order “Shot Clock” Period of Review:** MCImetro’s proposed conduit burial is intended to house fiber optic cables which will eventually be used as a backhaul network for small cells which have not yet been constructed.

3 Golf Center, # 311 • Hoffman Estates, Illinois 60169  
TEL-847-882-7773 FAX-847-310-9275 MOBILE-847-867-6117  
E-Mail: [MSASchapman@cs.com](mailto:MSASchapman@cs.com)  
[www.msatelecom.com](http://www.msatelecom.com)

Until the small cells are activated, the fiber optic cables, could be utilized for alternative purposes, including extension of an existing telecommunications data network from the central business district to the southern section of the Village, or for businesses located near the network.

Currently, the project is planned as a stand-alone fiber optic conduit and tracer wire installation that does not yet support wireless facilities, therefore, it is not subject to the FCC 2014 Authorization Order and is not subject to a “Shot Clock” period of review.

### **Proposed Project and Description**

MCImetro proposes to install a J-shaped run of conduit and tracer wire from a point beginning 150' (45.73 meters) north of the intersection of Lincoln Street and West 2<sup>nd</sup> Street. A handhole measuring 60" (1.53 meters) in length, 30" (.763 meters) in width, and 36" (.916 meters) in depth will be installed on the west side of Lincoln Street, and the conduit and tracer wire will cross from the west side of Lincoln Street to the Right-of-Way on the east side of the street. All handholes proposed for this project will have the same dimensions. A bore pit measuring 4' x 4' in width and depth will be excavated on the east side of Lincoln Street in the Right-of-Way. Each bore pit proposed for excavation will be extended downward for a distance of 48" (1.22 meters) and the directional bore will be directed at a depth of 36" (9.16 meters). MCImetro will utilize a single 2.0" High-Density Polyethelene (HDPE) pipe to carry the tracer wire and, ultimately, the fiber optic cable.

From the location of the bore pit, the conduit line will run in a southerly direction for a distance of 3760' (1146.34 meters) beneath the Right-of-Way on the east side of Lincoln Street to the northern edge of the Right-of-Way at the southeast corner of the intersection of Lincoln Street and West 9<sup>th</sup> Street. MCImetro proposes the installation of several 2.5' x 5' x 2.5' handholes and 4' x 4' bore pits along this span of conduit. These facilities are located as follows:

- Handholes:
- 150' (45.73 meters) north of the southwest corner of Lincoln Street and West 2<sup>nd</sup> Street.
  - 350' (106.71 meters) south of the southeast corner of Lincoln Street and West 4<sup>th</sup> Street.
  - 103' (31.40 meters) north of the southeast corner of Lincoln Street and West 8<sup>th</sup> Street.
  - At the intersection of the Right-of-Way on the east side of Lincoln Street where it intersects with Washington Circle and West 9<sup>th</sup> Street.

- Bore Pits:
- 150' (45.73 meters) north of the southeast corner of Lincoln Street and West 2<sup>nd</sup> Street.
  - 100' (30.49 meters) north of the southeast corner of Lincoln Street and West 4<sup>th</sup> Street.
  - 175' (53.35 meters) north of the southeast corner of Lincoln Street and West 6<sup>th</sup> Street.

- 200' (60.98 meters) north of the southeast corner of Lincoln Street and West 7<sup>th</sup> Street.

MCImetro continues the fiber conduit west on West 9<sup>th</sup> Street beneath the Right-of-Way along the south side of the street. The conduit line will run for a distance of 1656' (504.88 meters). There are three (3) bore pits located along this route.

A 4' x 4' bore pit will be located in the Right-of-Way at the southeast corner of the intersection of West 9<sup>th</sup> Street and Grant Street. A second 4' x 4' bore pit will be located 512.5' (156.25 meters) due west of the bore pit at West 9<sup>th</sup> Street and Grant Street. The third 4' x 4' bore pit will be excavated in the Right-of-Way at a point 200' (60.98 meters) west of the southwest corner of West 9<sup>th</sup> Street and Vine Street. A handhole will be excavated in the Right-of-Way at the southeast corner of West 9<sup>th</sup> Street and Madison Street.

The final leg of the project will be located beneath the Right-of-Way along the east side of Madison Street. 600' (182.93 meters) of conduit and tracer wire will extend south for a distance of 600' (182.93 meters) to the northeast corner of Madison Street at 55<sup>th</sup> Street. This run of conduit pipe will connect with a separate run of conduit pipe that proceeds east in the Right-of-Way along 55<sup>th</sup> Street and south in the Right-of-Way along Madison Street. No bore pits or handholes are proposed for this section of the project.

The proposed project requires the closing of sidewalks. MCImetro has included a sidewalk diversion plan to redirect pedestrian traffic during the project to include appropriate warning signs. The project also will entail construction under the intersections of West 2<sup>nd</sup> Street, West 3<sup>rd</sup> Street, West 4<sup>th</sup> Street, West 5<sup>th</sup> Street, West 6<sup>th</sup> Street, West 7<sup>th</sup> Street, West 8<sup>th</sup> Street, West 9<sup>th</sup> Street, Grant Street, and Madison Street. Slow Traffic and Stop signs will be used by flaggers as traffic control measures. Arrow boards that are mounted either on a trailer or on the roof of a vehicle will be used to direct traffic where lanes will be blocked by construction equipment. Road Construction Ahead, Road Work Ahead, and Road Closed signs are proposed for installation where construction is planned at intersections. Sidewalk Closed signs will be placed where construction will necessitate the excavation of sidewalks.

Property restoration will include replacement of grass parkways with sod. Concrete and asphalt restorations will be performed to meet Village of Hinsdale standards for concrete pavements, pavements with an aggregate base and bituminous surfaces, or concrete pavements with bituminous overlays.

### **Project Purpose**

The main purpose of MCImetro's conduit installation project is to provide the housing for fiber optic cables that will be installed upon completion of the conduit installation and its connection to a larger network of conduit and fiber optic cables that will be installed in Hinsdale. The proposed conduit project is part of a backhaul system that will be used to link existing macrocell antennas to small cells and to other macrocell installations.

MSA's previous report concerning a MCIMetro fiber conduit installation along Madison Street and 55<sup>th</sup> Street indicated that Verizon intends for its macrocell network to support small cells that are to be mounted on utility poles or street lights which are located in Village Right-of-Ways. Since MSA's previous report which was submitted to the Village on July 30, 2020, the status of Verizon's plans have not changed, and at the date of preparation of this report, neither MCImetro, nor Verizon Wireless, has proposed installation of small cells along the proposed conduit route.

**Grounding:** No grounding for the conduit pipe was proposed by MCImetro and grounding of the conduit and tracer wire is not necessary. However, should fiber optic cables are installed within the conduit, such cabling will need to be connected to equipment that will require grounding at, or adjacent to, its location.

### **Requested Information of Applicant**

After review of the plans by MSA, no further information was required to be provided by the applicant. Information concerning restoration of the Right-of-Way, a sidewalk diversion plan, and trenching specifications were provided by MCImetro within its plan documents. MCImetro has indicated that specific locations of utilities buried in the Rights-of-Way will be the responsibility of the General Contractor for the project. That contractor was identified as LTS Technical Services, LLC. MSA recommends that the Village notify and require LTS Technical Services, LLC to identify such utilities and provide the Village with plans showing the location of the proposed conduit along with that of the utilities, and to specify any relocation of such utilities that may be necessitated by the project.

**FCC OET Bulletin 65 Appendix A Checklist:** The proposed project does not include erection of an antenna array or construction of a cell tower or other similar structure. Therefore, the requirements for RF exposure and safety under FCC Office of Engineering and Technology (OET) Bulletin 65 Appendix A do not apply to the proposed project.

**Structural Evaluation:** No structural evaluation was required for this project as the proposed activities do not involve installation of the conduit on a pole, or other wireless support structure to the extent that such installation would necessitate an analysis of wind and ice on the installation, or resistance from wind shear.

**Radio Frequency Interference Issues:** The proposed project does not include the installation of radios or antennas that would emit frequencies that would possibly interfere with radio frequencies used by the Village. Therefore, no statement of “Good faith efforts” to avoid radio frequency interference with Village radio frequencies was requested for the proposed project.

**Section 6409(a) - Spectrum Act - Applicability:**

MSA has reviewed the MCImetro application for the following scope of work along Lincoln Street, West 9<sup>th</sup> Street, and Madison Street to 55<sup>th</sup> Street within the Village of Hinsdale stated earlier in this report:

- Installation of five (5) handholes in the Right-of-Way along Lincoln Street from north of West 2<sup>nd</sup> Street to West 9<sup>th</sup> Street, and at the southeast corner of West 9<sup>th</sup> Street and Madison Street.
- Excavation of seven (7) bore pits in the Right-of-Way along Lincoln Street and West 9<sup>th</sup> Street. Four (4) bore pits will be excavated on Lincoln Street between West 2<sup>nd</sup> Street and West 7<sup>th</sup> Street. Three (3) bore pits will be excavated along West 9<sup>th</sup> Street between Grant Street and Madison Street.
- Installation of 6016' (1834.15 meters) of 2" HDPE conduit pipe and tracer wire capable of carrying strands of fiber optic cable connected to a fiber optic network to be constructed by MCImetro for Verizon Wireless. The conduit pipe will be installed in the Right-of-Way along Lincoln Street, West 9<sup>th</sup> Street, and Madison Street.

MSA has reviewed the proposed project and plans in light of Section 6409(a), also known as the “Spectrum Act,” contained within the Middle Class Tax Relief and Job Creation Act of 2012. Section 6409(a), codified at 47 CFR §1.6100, and examined whether the proposed project is subject to the requirements of the Spectrum Act.

As stated earlier in this report, based on the proposed Scope of Work, the proposed project does involve a wireless facilities operator, however, it does not, at the present time, constitute a Wireless Facility Modification as described within 47 CFR §1.6100. The proposed project does not involve the installation of an antenna array, small cell, base station, or collocation.

Although the proposed project does involve the installation of transmission equipment, (i.e., fiber optic conduits) the project does not include collocation, removal, or replacement of transmission equipment on an existing tower or base station(1).

---

(1) 47 CFR §1.6100(b)(3)(i-iii). “(3) *Eligible Facilities Request*. Any request for modification of an existing tower or base station that does not substantially change the physical dimensions of each such tower or base station, involving: (i) collocation of new transmission equipment; (ii) removal of transmission equipment; or (iii) replacement of transmission equipment.”

Having reviewed the current project plans for this site, MSA's opinions as the Village's technology expert are as follows:

1. The instant project is *not* a "collocation of new transmission equipment" within the meaning of 47 CFR §1.6100(b)(2); and
2. The instant project *does not* include an "Eligible Support Structure" as defined by the Spectrum Act, and while the proposed project *does* incorporate the use of "Transmission Equipment" defined by the Act, it *does not* propose connection to an Eligible Support Structure in a manner that would place the project under the purview of the Act.

For the reasons discussed above and based on these conclusions, it is MSA's recommendation that the Village recognizes that the Spectrum Act rules indicate that the proposed project *is not* subject to the timeframes, requirements and conditions of the Spectrum Act. Therefore, the Village may either deny or approve the proposed project.

### **Recommendations**

MSA recommends that the Village allow Leducor and MCImetro to proceed with the proposed project, and is satisfied that the project will meet the need of Hinsdale residents and institutions, including Hinsdale's central business district, which is in close proximity to the north section of the proposed project. Once fiber optic cables are installed and activated, businesses and nearby residences may rely on fiber optic connections to provide online data services for their respective uses. The project will enable the continued development of a fiber optic infrastructure that can be applied by a wireless carrier to improve reception, increase Internet speeds on fixed and mobile devices, and enable new Internet access alternatives.

**5G Applicability:** The proposed project will ultimately house fiber optic cables that may be used to serve the central business district, nearby residences, and any cell sites along Lincoln Street, West 9<sup>th</sup> Street, or Madison Street, and adjacent side streets. Verizon has not yet provided a timetable for when fiber optic cables serving cell sites along or near the conduit route will be installed. Although Verizon Wireless has signaled its intention to install small cells in Hinsdale, it has not submitted any specific plans or locations for such small cells. However, the proposed conduit is a key part of the infrastructure needed to provide the network linking macrocells and small cells together.

Plans submitted by Verizon Wireless in other metropolitan Chicago communities have indicated that its small cell network will contain 5G radios and antennas, however, its network also includes 4G/LTE cell sites which continue to serve a large number of local users. MSA is unable to opine as to when the fiber optic cables that will serve the 5G small cell and macrocell networks will be installed, or where branches of the network will intersect with the proposed conduit route.

Mr. Daniel Deeter  
Page 7

Verizon's 5G network design shown on plans in other communities indicates that it may deploy antennas and radios that are capable of operating at millimeter wave frequencies ( $\geq 30$  GigaHertz). However, until such antennas and radio equipment are proposed, it is not yet clear as to whether such equipment will be deployed in Hinsdale.

**Permit Compliance:** Contingent upon receiving its permit to proceed with construction, MSA recommends that Leducor or MCImetro provides a statement indicating that it will comply with the insurance and security fund requirements found in the Village's Right-of-Way Ordinance (Ord. O2007-73, enacted November 6, 2007). If Leducor or MCImetro elects to self-insure, it should provide evidence of its financial ability to self insure the insurance coverages and limits requirements of the ROW ordinance.

In addition, if it has not already done so, Leducor should indicate if any JULIE location marking has been conducted for installation of the underground conduit and its proposed handholes and bore pits. If marking has not yet been performed, Leducor should indicate when locate marking will be performed by the general contractor, LTS Technical Services, LLC.

MSA recommends that the Village work with Leducor and MCImetro to assure compliance with the Right-of-Way Ordinance, with special emphasis on property restoration that will result from the excavation of the handholes, bore pits and trenching into the parkways, sidewalks, and streets. MSA also recommends that Leducor and MCImetro follow Village guidelines and regulations regarding the installation and maintenance of handholes in the Right-of-Way.

Should the Village have any questions concerning this report, or if any additional background is needed, please contact me at your first opportunity.

Sincerely,

*Stuart Chapman*

Stuart Chapman, President  
Municipal Services Associates, Inc.

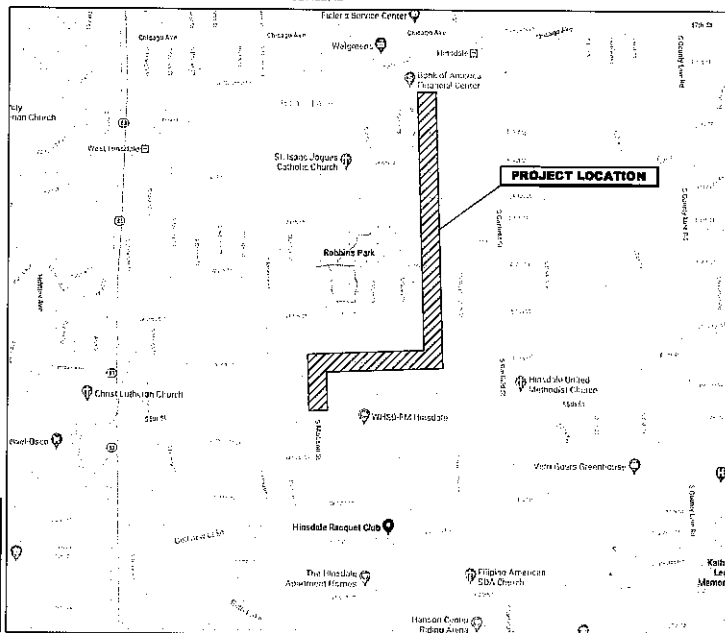
cc: Kathleen Gargano, Village Manager, Village of Hinsdale  
George Peluso, Director of Public Services, Village of Hinsdale  
Rob McGinniss, MCP, Director of Community Development, Building  
Commissioner, Village of Hinsdale  
Al Diaz, Assistant Village Engineer, Village of Hinsdale



**MCImetro**  
**ACCESS TRANSMISSION SERVICES CORP.**  
 D/B/A - (VERIZON ACCESS TRANSMISSION SERVICES)

**PROJECT NAME: HINSDALE AND LINCOLN**  
**PROJECT #: 1812BTLK-PE-MCA-9923-A**  
**PERMITTING AGENCY - VILLAGE OF HINSDALE**

**VICINITY MAP**  
 HINSDALE, IL



**TABLE OF CONTENTS:**

1. COVER SHEET
2. PROJECT CONTACT & NOTES SHEET
3. F.O.C.U.S. SHEET
4. CLARIFICATION SUMMARY SHEET
5. SYMBOLS SHEET
6. HANDHOLE DETAIL
7. ADDITIONAL NOTES AND DETAILS
- 8-18. PLAN VIEW
- 19-26. TRAFFIC CONTROL STANDARD

**SCOPE OF WORK**

- PLACE (5) 2.5' X 5' X 2.5' HANDHOLE
- PLACE 6016" OF 1-2' HDPE
- DIRECTIONAL BORE 6016"



**NOT FOR CONSTRUCTION**

**PROJECT:**

1812BTLK-PE-MCA-9923-A  
 HINSDALE, IL

**CLASSIFICATION NO. QUANTITY**

NO.	QTY	UNIT
212		6016"
220		5 EA

MCImetro  
 ACCESS TRANSMISSION SERVICES CORP.  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: 1812BTLK-PE-MCA-9923-A

**DATE:** 7/6/2020

**ENGINEER:** LEDCOR GROUP

**DRAWN BY:** S. DERVENOMAN

**REVISIONS**

DATE	DESCRIPTION	INITIALS

PLEASE ADVISE OF ANY CHANGES TO THE PROJECT SCOPE OR LOCATION. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**CRAN HUB:**  
 VZB DOWNERS GROVE

**PERMIT ID:** 9923

**SCALE**

**HORIZONTAL:** NTS

**VERTICAL:** NTS

**MP TO MP**

**SHEET 1 OF 28**

**FILE:** 1812BTLK-PE-MCA-9923-A







NOT FOR CONSTRUCTION

PROJECT:  
1812BLKPEMCA-9923-A  
HINSDALE, FL

CLARIFICATION NO.	QUANTITY
600	6016
200	6016
240	5 EA

CLARIFICATION NOTES (CONTINUED)

- 100 110 JACK AND DRY BORE CONDUITS)
- 200 210 PLACE CONDUIT
- 212 PLACE HIGH DENSITY POLYETHYLENE (HDPE)
- 213 ROCK ADDER
- 214 SLURRY BACKFILL ADDER
- 215 EXPOSE CONDUIT
- 216 EXPOSE CONDUIT AND RELOCATE
- 217 EXPOSE CONDUIT AND REPLACE/SUBSTITUTE
- 218 EXPOSE AND REMOVE CONDUIT
- 219 EXPOSE AND REMOVE CONDUIT (ABANDONED)
- 220 CONCRETE ENCASE
- 221 REMOVE CONCRETE ENCASEMENT
- 222 REMOVE CONCRETE CAP
- 240 PLACE HANDHOLE
- 244 REMOVE EXISTING HANDHOLE
- 245 RELOCATE HANDHOLE
- 246 REPLACE/SUBSTITUTE HANDHOLE
- 247 EXCAVATE SPLICE PIT
- 250 PLACE MANHOLE
- 252 REMOVE EXISTING MANHOLE
- 255 RELOCATE PRECAST MANHOLE
- 256 REPLACE/SUBSTITUTE PRECAST MANHOLE
- 260 CONSTRUCT WALL
- 270 REMOVE AND RESTORE ASPHALT
- 280 REMOVE AND RESTORE CONCRETE
- 281 REMOVE AND RESTORE SIDEWALK
- 282 REMOVE AND RESTORE CURBING
- 300 310 ATTACH CONDUIT TO WALL OR STRUCTURE
- 315 DETACH CONDUIT FROM WALL OR STRUCTURE
- 320 CORE BORE
- 330 ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE
- 400 410 PULL CABLE
- 411 PULL THROUGH DUCT (ENERGUT)
- 415 REMOVE CABLE FROM CONDUIT
- 420 REPOSITION ACTIVE CABLE SLACK
- 500 510 DIRECT BURY CABLE
- 515 EXPOSE DIRECT BURIED CABLE
- 518 EXPOSE DIRECT BURIED CABLE AND RELOCATE
- 517 REMOVE AND EXPOSE CP CABLE
- 520 PLACE AERIAL CABLE
- 525 RELOCATE AERIAL CABLE
- 528 DELASH AERIAL CABLE
- 527 RELASH AERIAL CABLE
- 528 REMOVE AERIAL CABLE
- 530 PLACE POLE/FLUSH BRACE
- 535 REMOVE POLE/FLUSH BRACE
- 600 610 JETTING CONDUIT
- 620 EMBEDMENT FLOW
- 630 DIRECTIONAL BORE
- 640 OPEN TRENCH
- 700 710 PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM WATER CROSSING SIGNS
- 711 PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLES
- 712 REMOVE BURIED CABLE MARKER POST/HARDWARE
- 714 REMOVE CONCRETE BURIED CABLE MARKER POST

PROJECT CLARIFICATION SUMMARY

CLARIFICATION NUMBER	CLARIFICATION NUMBER AND ALPHA	DESCRIPTION	QUANTITY	UNIT
600	630	DIRECTIONAL BORE	6016	LF
200	212	PLACE HIGH DENSITY POLYETHYLENE (HDPE)	6016	LF
200	240	PLACE HANDHOLE	5	EA

McIntire  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 1812BLKPEMCA-9923-A

DATE: 7/9/2020

ENGINEER: LECDOR GROUP

DRAWN BY: S DEERMEIJAN

REVISIONS

DATE	DESCRIPTION	INITIAL
---	---	---
---	---	---

LECDOR GROUP IS AN EQUAL OPPORTUNITY EMPLOYER. WE ENCOURAGE ALL QUALIFIED APPLICANTS TO APPLY. WE ARE AN AFFIRMATIVE ACTION EMPLOYER. WE DO NOT DISCRIMINATE ON THE BASIS OF RACE, GENDER, RELIGION, NATIONAL ORIGIN, ANCESTRY, COLOR, SEX, OR AGE.

CRAN HUB:  
V2B DOWNERS GROVE

PERMIT ID: 9923

SCALE

HORIZONTAL: NA

VERTICAL: NA

MP TO MP

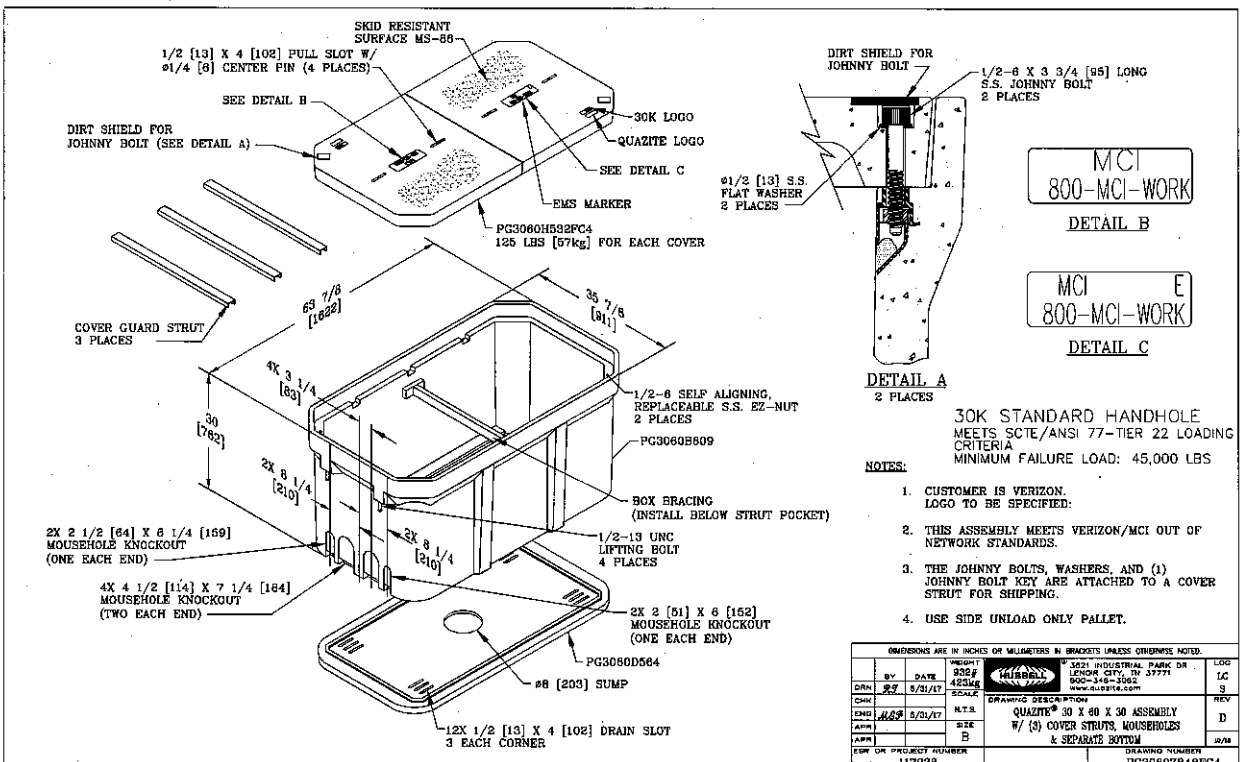
SHEET 4 OF 26

FILE: 1812BLKPEMCA-9923-A





### 2.5' x 5' x 2.5' HANDHOLE DETAILS



MCI  
800-MCI-WORK  
DETAIL B

MCI  
800-MCI-WORK  
DETAIL C

30K STANDARD HANDHOLE  
MEETS SCTE/ANSI 77-TIER 22 LOADING  
CRITERIA  
MINIMUM FAILURE LOAD: 45,000 LBS

- NOTES:**
1. CUSTOMER IS VERIZON. LOGO TO BE SPECIFIED.
  2. THIS ASSEMBLY MEETS VERIZON/MCI OUT OF NETWORK STANDARDS.
  3. THE JOHNNY BOLTS, WASHERS, AND (1) JOHNNY BOLT KEY ARE ATTACHED TO A COVER STRUT FOR SHIPPING.
  4. USE SIDE UNLOAD ONLY PALLET.

DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.		3225 INDUSTRIAL PARK DR LENDING CITY, TN 37771 900-348-2462 www.alibell.com		LOG
BY	DATE	WEIGHT	SCALE	LC
DRN	2/7	930#	1/8" = 1"	S
CHK	5/31/17	482kg		
END	5/31/17			
APP				
REV				
DRAWING DESCRIPTION		REV		
QUARTZITE 30 X 40 X 30 ASSEMBLY		D		
W/ (3) COVER STRUTS, MOUSEHOLES				
& SEPARATE BOTTOM				
SHEET 1 OF 1		DRAWING NUMBER		
117938		PG3060Z948FC4		

**NOT FOR CONSTRUCTION**

PROJECT:  
19128TLK-PE-MCA-9923-A  
MINSDALE, IL

CLARIFICATION NO. QUANTITY

MCI  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 19128TLK-PE-MCA-9923-A

DATE: 7/6/2019  
DESIGNER: S.DERMEENDJAN  
DRAWN BY: S.DERMEENDJAN

DATE	DESCRIPTION	INITIAL

CRAN HUB:  
V2B DOWNERS GROVE  
PERMIT ID: 9923

SCALE

HORIZONTAL: NTS  
VERTICAL: NTS  
MP TO MP  
SHEET OF 26

FILE: 19128TLK-PE-MCA-9923-A







NOT FOR CONSTRUCTION

PROJECT:  
1812BTLKPE-MCA-9923-A  
HINSDALE, IL

CLARIFICATION NO.	QUANTITY
630	338'
242	338'
240	1 EA

DATE	DESCRIPTION	INITIAL

McMICRIC  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 1812BTLKPE-MCA-9923-A

DATE: 7/8/2020  
ENGINEER: LEDCOR GROUP  
DRAWN BY: IS DEHRMENDJIAN

DATE	DESCRIPTION	INITIAL

CRAN HUB:  
VZB DOWNERS GROVE

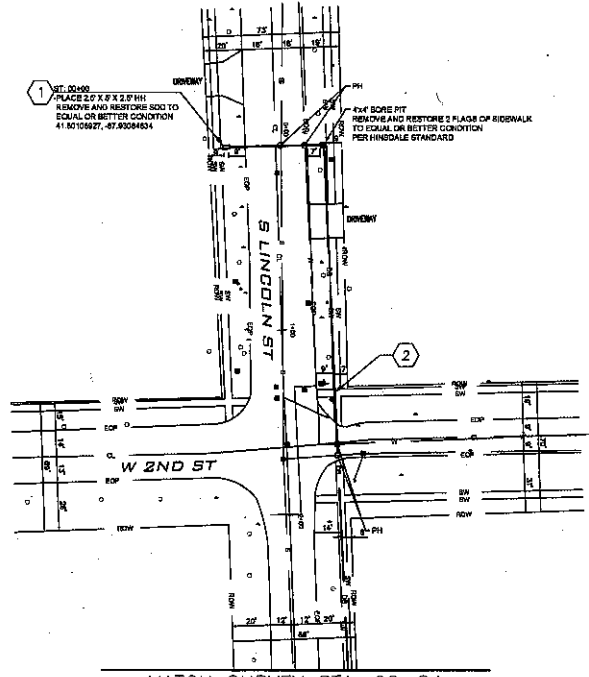
PERMIT ID: 9923

SCALE

HORIZONTAL: 1"=50'

VERTICAL: 1"=50'

MP TO MP  
SHEET 8 OF 26  
FILE: 1812BTLKPE-MCA-9923-A



1. 12" DI HOPE  
PLACE 2'0" X 2'0" X 2.0' MH  
REMOVE AND RESTORE SOOI TO  
EQUAL OR BETTER CONDITION  
41.8010927, -87.9308484

2. 24" DI SOOI  
REMOVE AND RESTORE 2 PLUGS OF SIDEWALK  
TO EQUAL OR BETTER CONDITION  
PER HINSDALE STANDARDS

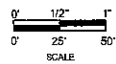
MATCH SURVEY STA. 02+84  
SEE SHEET 9

CONSTRUCTION NOTES

- 1. PL. 2.5' X 5' X 2.5' HANDHOLE (CODE 240)
- 2. PL. 338' 1.2' HOPE (CODE 630)(CODE 212)

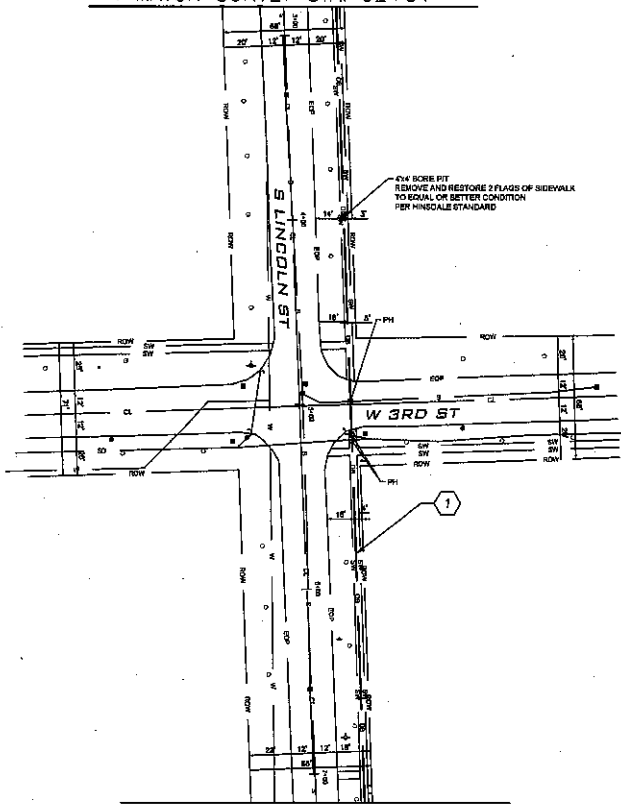
SEE SHEETS 6-7

- ADDITIONAL NOTES
- PUBLIC UTILITY NOTES
- BORE DETAILS
- TRENCH DETAILS
- HANDHOLE DETAILS





SEE SHEET 8  
MATCH SURVEY STA. 02+84



MATCH SURVEY STA. 07+15  
SEE SHEET 10



NOT FOR  
CONSTRUCTION

PROJECT:  
18128TLK-PE-MCA-9923-A  
HINSDALE, IL

CLARIFICATION NO.	QUANTITY
890	43T
212	43T

CLIENT:  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128TLK-PE-MCA-9923-A

DATE: 7/9/2010  
ENGINEER: HENDON GROUP  
DRAWN BY: SIDERMEINDJAN

REVISIONS		
DATE	DESCRIPTION	INITIAL

CRAN HUB:  
V28 DOWNERS GROVE

PERMIT ID: 9923

SCALE  
HORIZONTAL: 1"=50'

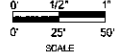
VERTICAL: 1"=50'

MP TO MP  
SHEET 8 OF 28  
FILE: 18128TLK-PE-MCA-9923-A



SEE SHEETS 6-7

- ADDITIONAL NOTES
- PUBLIC UTILITY NOTES
- BORE DETAILS
- TRENCH DETAILS
- HANDHOLE DETAILS



CONSTRUCTION NOTES

- ① PL 431 1.2" HDPE (CODE 630)(CODE 212)





NOT FOR CONSTRUCTION

PROJECT:  
18128TLK-PE-MCA-6925-A  
MUNSDALE, IL

CLARIFICATION NO.	QUANTITY
630	625'
632	625'
240	1 EA

DATE	DESCRIPTION	BY

MC#18128  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128TLK-PE-MCA-6925-A

DATE: 7/9/2023  
ENGINEER: LEDCOR GROUP  
DRAWN BY: S.DERVENOJIAN

DATE	DESCRIPTION	BY

ACCEPT AS SHOWN BY CONSTRUCTION PROVIDED BY CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES.

CRAN HUB:  
VZB DOWNERS GROVE  
PERMIT ID: 9923

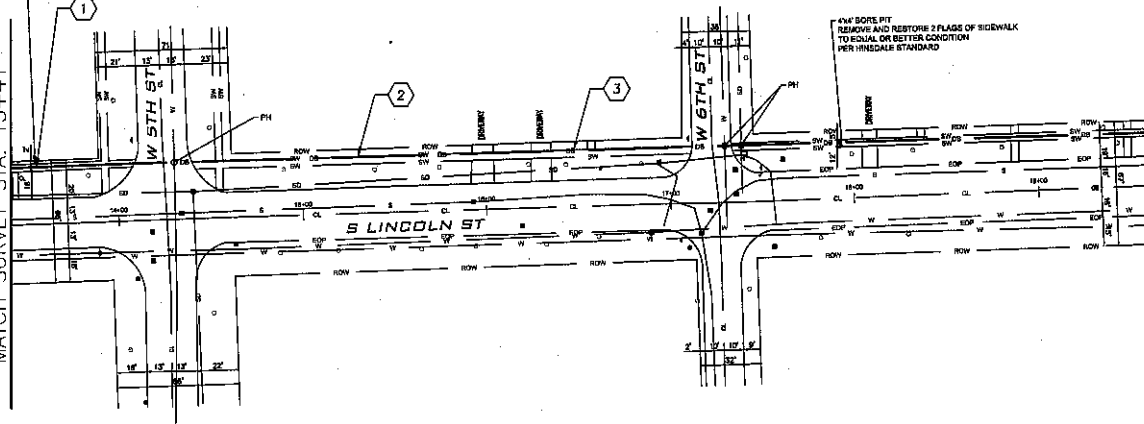
SCALE  
HORIZONTAL: 1"=50'  
VERTICAL: 1"=50'  
MP TO MP  
SHEET 11 OF 28  
FILE: 18128TLK-PE-MCA-6925-A

MATCH SURVEY STA. 19+66  
SEE SHEET T2

SEE SHEET 10  
MATCH SURVEY STA. 13+41

ST-12431  
PLACE 25' X 8' X 2.2' HDPE  
REMOVING AND RESTORE SIDEWALK TO  
EQUAL OR BETTER CONDITION  
41.79725656, -89.83041753

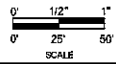
4" X BORE PIT  
REMOVE AND RESTORE 2 FLAGS OF SIDEWALK  
TO EQUAL OR BETTER CONDITION  
PER MINECRA STANDARDS



CONSTRUCTION NOTES

- ① PL. 56" 1-2" HDPE (CODE 630)(CODE 212)
- ② PL. 2.5' X 3' X 2.5' HANDHOLE (CODE 240)
- ③ PL. 56" 1-2" HDPE (CODE 630)(CODE 212)

- SEE SHEETS 6-7
- ADDITIONAL NOTES
  - PUBLIC UTILITY NOTES
  - BORE DETAILS
  - TRENCH DETAILS
  - HANDHOLE DETAILS







NOT FOR CONSTRUCTION

PROJECT:  
18128TLK-PE-MCA-923-A  
HINSDALE, IL

CLARIFICATION NO.	QUANTITY
630	62F
212	62F
240	1 EA

DATE	DESCRIPTION	INITIAL

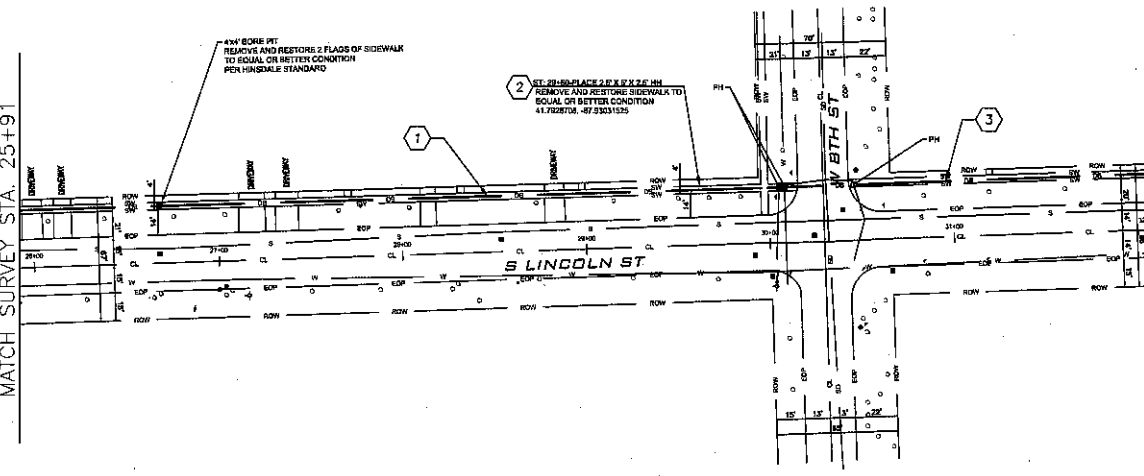
DATE: 7/8/2010  
 ENGINEER: LEOCOR GROUP  
 DRAWN BY: S. BERMUNGAN  
 REVISIONS  
 DATE DESCRIPTION INITIAL  
 --- --- ---  
 --- --- ---  
 --- --- ---  
 --- --- ---  
 --- --- ---

CLIENT: MCM/MP/PC  
 ACCESS TRANSMISSION SERVICES CORP.  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: 18128TLK-PE-MCA-923-A

CRAN HUB:  
 VZB DOWNERS GROVE  
 PERMIT ID: 9923  
 SCALE  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=50'  
 MP TO MP  
 SHEET 13 OF 26  
 FILE: 18128TLK-PE-MCA-923-A

SEE SHEET 12  
MATCH SURVEY STA. 25+91

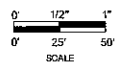
MATCH SURVEY STA. 32+17  
SEE SHEET 14



CONSTRUCTION NOTES

- ① PL. 405' 1-2" HDPE (CODE 630)(CODE 212)
- ② PL. 2.5' X 3' X 2.5' HANDHOLE (CODE 240)
- ③ PL. 221' 1-2" HDPE (CODE 630)(CODE 212)

- SEE SHEETS 6-7
- ADDITIONAL NOTES
  - PUBLIC UTILITY NOTES
  - BORE DETAILS
  - TRENCH DETAILS
  - HANDHOLE DETAILS





NOT FOR CONSTRUCTION

PROJECT:  
18128 TLK/PE-MCA-923A  
MINSDALE, IL

CLARIFICATION NO.	QUANTITY
232	745
240	15A

CLIENT:  
MCHARTS  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128 TLK/PE-MCA-923A

DATE: 7/9/2020  
ENGINEER: LEDCOR GROUP  
DRAWN BY: S OERMUNDJAN

REVISIONS		
DATE	DESCRIPTION	INITIAL

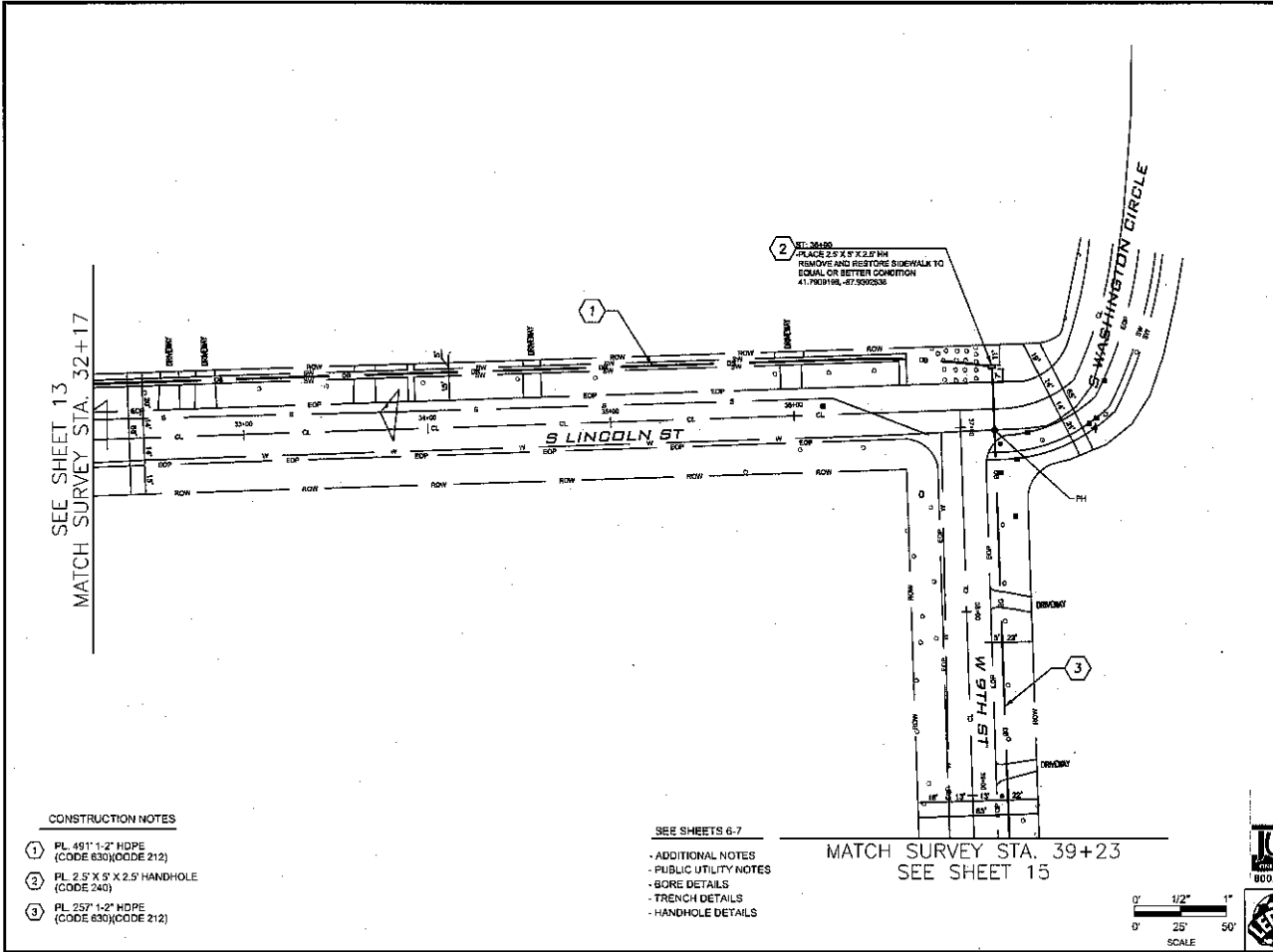
LEDGOR GROUP  
1000 W. WASHINGTON ST. SUITE 100  
MANSFIELD, OH 44880  
PH: 419.326.1100 FAX: 419.326.1101  
WWW.LEDGOR.COM

CRAN HUB:  
V2B DOWNERS GROVE  
PERMIT ID: 3623

SCALE  
HORIZONTAL: 1"=50'

VERTICAL: 1"=50'

MP TO MP  
SHEET 14 OF 26  
FILE: 18128 TLK/PE-MCA-923A



SEE SHEET 13  
MATCH SURVEY STA. 32+17

2  
ST. 36100  
PLACE 2' X 5' X 2.5' HDPE  
REMOVE AND RESTORE SIDEWALK TO  
EQUAL OR BETTER CONDITION  
41.7009198, -87.5005236

1

3

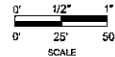
MATCH SURVEY STA. 39+23  
SEE SHEET 15

CONSTRUCTION NOTES

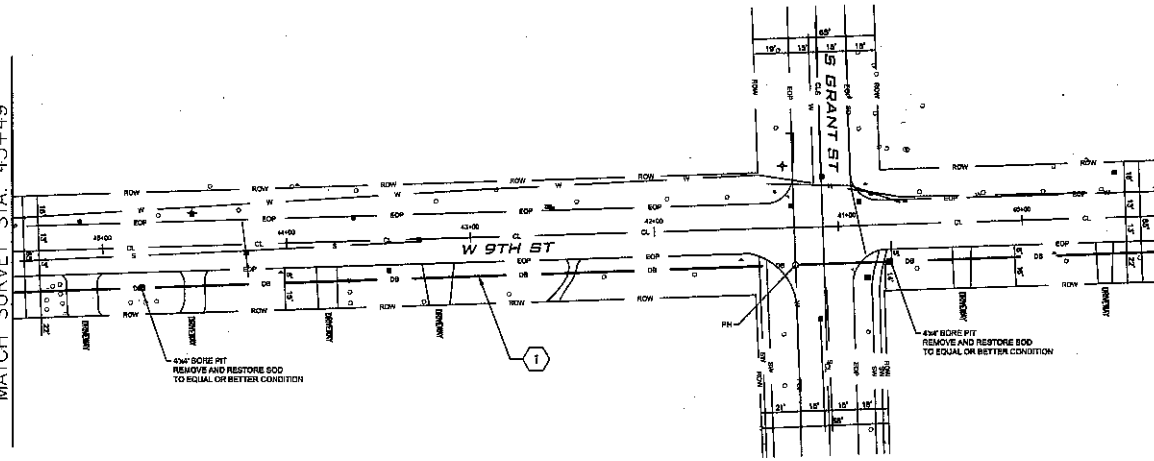
- 1 PL 491 1-2" HDPE (CODE 630)(CODE 212)
- 2 PL 2.5' X 5' X 2.5' HANDHOLE (CODE 240)
- 3 PL 257 1-2" HDPE (CODE 630)(CODE 212)

SEE SHEETS 6-7

- ADDITIONAL NOTES
- PUBLIC UTILITY NOTES
- BORE DETAILS
- TRENCH DETAILS
- HANDHOLE DETAILS



SEE SHEET 16  
MATCH SURVEY STA. 45+49



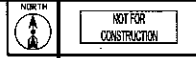
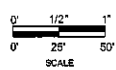
MATCH SURVEY STA. 39+23  
SEE SHEET 14

CONSTRUCTION NOTES

- 1 PL 625' 1-2" HDPE (CODE 630)(CODE 212)

SEE SHEETS 6-7

- ADDITIONAL NOTES
- PUBLIC UTILITY NOTES
- BORE DETAILS
- TRENCH DETAILS
- HANDHOLE DETAILS



PROJECT:	
1812BTLKPE-MCA-8923-A	
HINSDALE, IL	
CLASSIFICATION NO.	QUANTITY
212	629

MICHIGANO ACCESS TRANSMISSION SERVICES CORP.	
OUTSIDE PLANT CONSTRUCTION	
TITLE: 1812BTLKPE-MCA-8923-A	

DATE:	7/9/2020	
ENGINEER:	LEDCOR GROUP	
DRAWN BY:	S.DEREMENDIAN	
REVISIONS		
DATE	DESCRIPTION	INITIAL

PERMIT NO. 1812BTLKPE-MCA-8923-A

CHAN HUB: 1/2B DOWNERS GROVE

PERMIT ID: 9923

SCALE	
HORIZONTAL:	1"=50'
VERTICAL:	1"=50'
MP	TO MP
SHEET	15 OF 28
FILE:	1812BTLKPE-MCA-8923-A





NOT FOR CONSTRUCTION

PROJECT:

1812BLK-PE-MCA-9923-A

HINSDALE, IL

CLARIFICATION NO. QUANTITY

58 622

212 622

MCHERRIC ACCESS TRANSMISSION SERVICES CORP. OUTSIDE PLANT CONSTRUCTION TITLE: 1812BLK-PE-MCA-9923-A

DATE: 7/9/2020

ENGINEER: LEDCOR GROUP

DRAWN BY: B. DEIRRENDJAN

REVISIONS

DATE	DESCRIPTION	INITIAL

THESE PLANS ARE THE PROPERTY OF LEDCOR GROUP. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THESE PLANS WITHOUT THE WRITTEN CONSENT OF LEDCOR GROUP IS STRICTLY PROHIBITED.

CRAN HUB

VZB OWNERS GROVE

PERMIT ID: 9923

SCALE

HORIZONTAL: 1"=50'

VERTICAL: 1"=50'

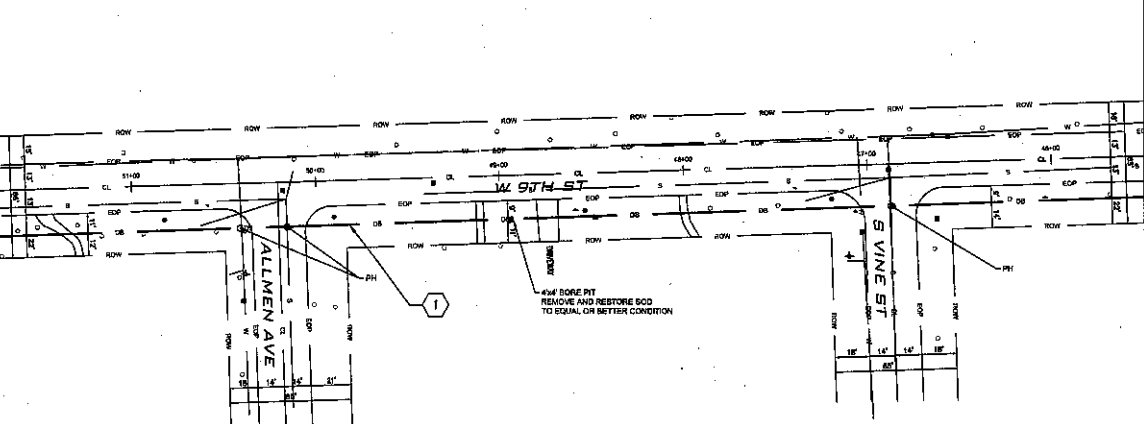
MP TO MP

SHEET 16 OF 26

FILE: 1812BLK-PE-MCA-9923-A

MATCH SURVEY STA. 45+49 SEE SHEET 15

SEE SHEET 17 MATCH SURVEY STA. 51+74

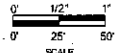


SEE SHEETS 6-7

- ADDITIONAL NOTES
- PUBLIC UTILITY NOTES
- BORE DETAILS
- TRENCH DETAILS
- HANDHOLE DETAILS

CONSTRUCTION NOTES

- 1 PL 825 1-2" HDPE (CODE 630)(CODE 212)



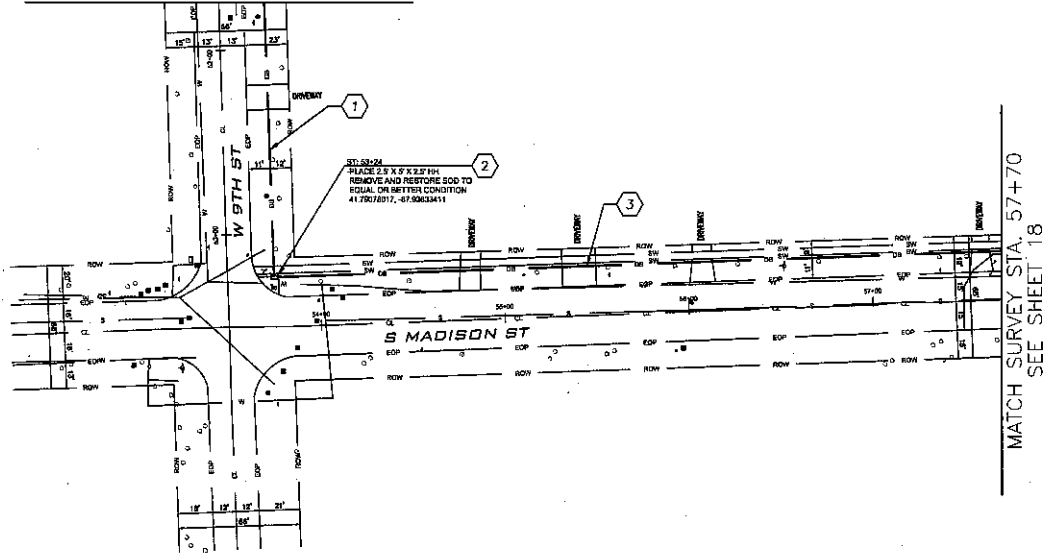


NOT FOR CONSTRUCTION

PROJECT:  
1812BTK-PE-MCA-8923-A  
HINSDALE, IL

CLASSIFICATION NO.	QUANTITY
510	545
512	549
240	1EA

SEE SHEET 16  
MATCH SURVEY STA. 51+74



MATCH SURVEY STA. 57+70  
SEE SHEET 18

MCIMBRO ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 1812BTK-PE-MCA-8923-A

DATE: 7/8/2020  
ENGINEER: LEDCOR GROUP  
DRAWN BY: SIDERMAN, JIAN

REVISIONS		
DATE	DESCRIPTION	INITIAL

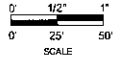
LED CORP. 800.892.0123

CRAN HUB: VZD DOWNERS GROVE  
PERMIT ID: 9923  
SCALE: HORIZONTAL: 1"=50'  
VERTICAL: 1"=50'  
MP TO MP  
SHEET 17 OF 26  
FILE: 1812BTK-PE-MCA-8923-A

CONSTRUCTION NOTES

- ① PL. 149' 1-2" HDPE (CODE 630)(CODE 212)
- ② PL. 2.5' X 5' X 2.5' HANDHOLE (CODE 240)
- ③ PL. 396' 1-2" HDPE (CODE 630)(CODE 212)

- SEE SHEETS 6-7
- ADDITIONAL NOTES
  - PUBLIC UTILITY NOTES
  - BORE DETAILS
  - TRENCH DETAILS
  - HANDHOLE DETAILS



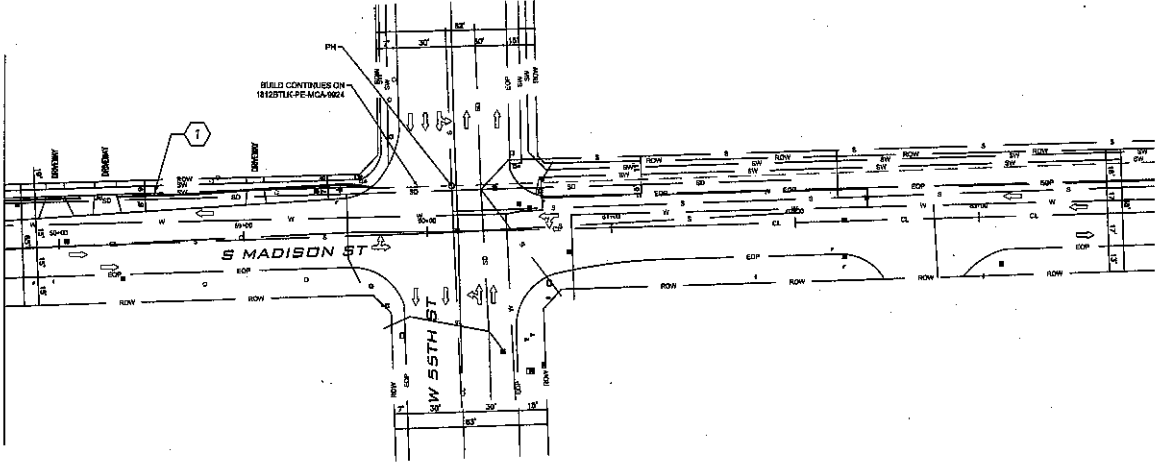
NOT FOR CONSTRUCTION

PROJECT:  
18128TLK-PE-MCA-9923-A  
HINSDALE, IL

CLARIFICATION NO.	QUANTITY
58	334
212	334

5503 S MADISON ST.  
HINSDALE, IL 60521

SEE SHEET 17  
MATCH SURVEY STA. 57+70

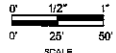


CONSTRUCTION NOTES

- 1 PL 204 1-2" HDPE (CODE 630)(CODE 212)

SEE SHEETS 6-7

- ADDITIONAL NOTES
- PUBLIC UTILITY NOTES
- BORE DETAILS
- TRENCH DETAILS
- HANDHOLE DETAILS



DATE: 7/9/2020  
ENGINEER: LEDCOR GROUP  
DRAWN BY: S. BERMEJAN

REVISIONS

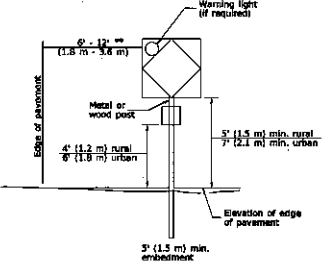
DATE	DESCRIPTION	INITIAL
---	---	---
---	---	---

LED COR GROUP SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HINSDALE, ILLINOIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HINSDALE, ILLINOIS.

CRAN HUB:  
VZD DOWNERS GROVE  
PERMIT ID: 9923

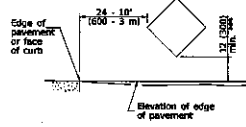
SCALE  
HORIZONTAL: 1"=50'  
VERTICAL: 1"=50'  
MP TO MP  
SHEET 18 OF 28  
FILE: 18128TLK-PE-MCA-9923-A

McClain  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128TLK-PE-MCA-9923-A



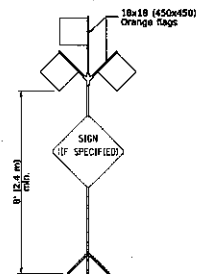
**POST MOUNTED SIGNS**

When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.

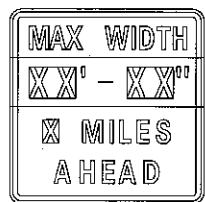


**SIGNS ON TEMPORARY SUPPORTS**

When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.

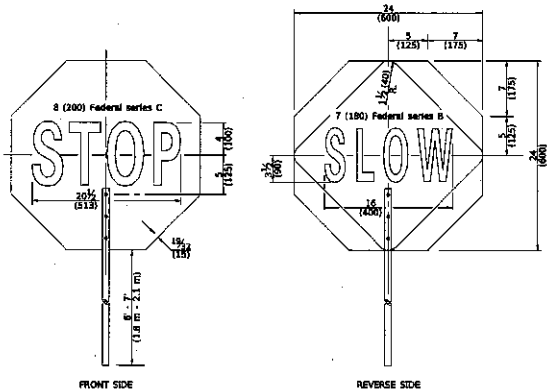


**HIGH LEVEL WARNING DEVICE**



**WIDTH RESTRICTION SIGN**

XX'-XX' width and X miles are variable.



FRONT SIDE

REVERSE SIDE

**FLASHER TRAFFIC CONTROL SIGN**

ROAD CONSTRUCTION NEXT X MILES G20-1104(01)-6036	END CONSTRUCTION G20-1105(01)-6074
---	---------------------------------------

This signing is required for all projects 2 miles (3200 m) or more in length.  
ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.  
END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).  
Dual sign displays shall be utilized on multi-lane highways.

**WORK LIMIT SIGNING**

WORK ZONE	W21-05(01)-3618
SPEED LIMIT XX	R2-1-3648
PHOTO ENFORCED	R10-1109p-3518
1000 FINE MINIMUM	R2-1106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT	G20-1103-6036
---------------------------	---------------

This sign shall be used when the above sign assembly is used.

**HIGHWAY CONSTRUCTION SPEED ZONE SIGNS**

\*\*\* R10-1109p shall only be used along roadways under the jurisdiction of the State.

**TRAFFIC CONTROL DEVICES**

STANDARD 701501-GS

(Sheet 2 of 3)

NOT FOR CONSTRUCTION

PROJECT: 1812BTLK-PE-MCA-9923-A  
HINS DALE, IL

CLARIFICATION NO. QUANTITY

ACCESS TRANSMISSION SERVICES CORP.	
OUTSIDE PLANT CONSTRUCTION	
TITLE: 1812BTLK-PE-MCA-9923-A	

DATE:	7/8/2020	
DESIGNER:	SIDERMINO JIAN	
DRAWN BY:	SIDERMINO JIAN	
REVISIONS		
DATE	DESCRIPTION	INITIALS

CRAN HUB: V28 DOWNERS GROVE  
PERMIT ID: 9823  
SCALE  
HORIZONTAL: NTS  
VERTICAL: NTS  
MP TO MP  
SHEET 19 OF 25  
FILE: 1812BTLK-PE-MCA-9923-A



Illinois Department of Transportation  
APPROVED: [Signature] 2019  
CHIEF OF DIVISION AND CHIEF ENGINEER  
APPROVED: [Signature] 2019  
CHIEF OF CRAN AND CONSTRUCTION

NOT FOR CONSTRUCTION

PROJECT: 18128TLK-PE-MCA-9923-A  
HINSDALE, IL

CLARIFICATION NO. QUANTITY

CLIENT: ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128TLK-PE-MCA-9923-A

DATE: 7/8/2020  
DESIGNER: S. DERVENJUMIAN  
DRAWN BY: S. DERVENJUMIAN

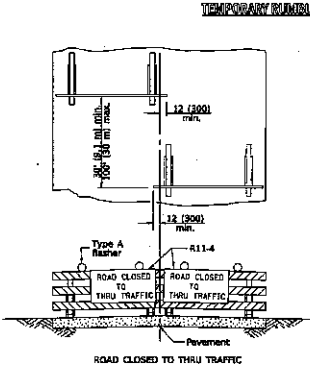
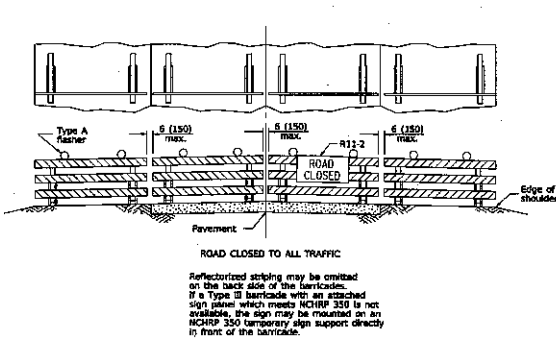
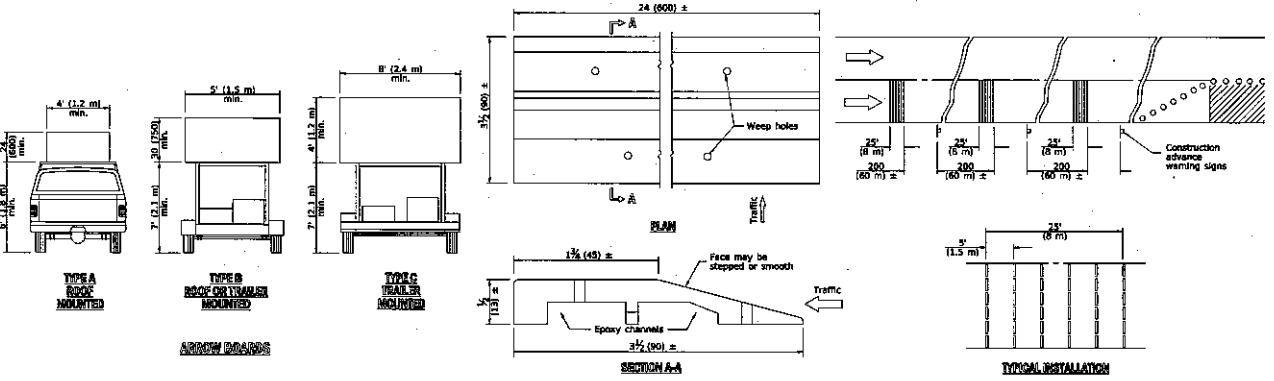
REVISIONS		
DATE	DESCRIPTION	INITIALS

CRAN HUB: V2B DOWNERS GROVE  
PERMIT ID: 9923

SCALE

HORIZONTAL: NTS  
VERTICAL: NTS

MP TO MP  
SHEET 20 OF 28  
FILE: 18128TLK-PE-MCA-9923-A



TYPICAL APPLICATIONS OF TYPE II BARRICADES CLOSING A ROAD

Reflectorized striping shall appear on both sides of the barricades. If a Type II barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)  
STANDARD 701901-05

Illinois Department of Transportation  
APPROVED: [Signature] 7/8/20  
CHIEF OF SAFETY, PLANT AND TRANSPORTATION  
APPROVED: [Signature] 7/8/20  
CHIEF OF DESIGN AND ENVIRONMENT

**NOT FOR CONSTRUCTION**

PROJECT: 1812BUKPE-MCA-8923-A  
 HINSDALE, IL

CLARIFICATION NO. QUANTITY

DATE: 7/3/2020

DESIGNER: SIDERMEYER/JAN

DRAWN BY: SIDERMEYER/JAN

**REVISIONS**

DATE	DESCRIPTION	INITIAL

CRAN HUB: VZB OWNERS GROVE

PERMIT ID: 8923

SCALE

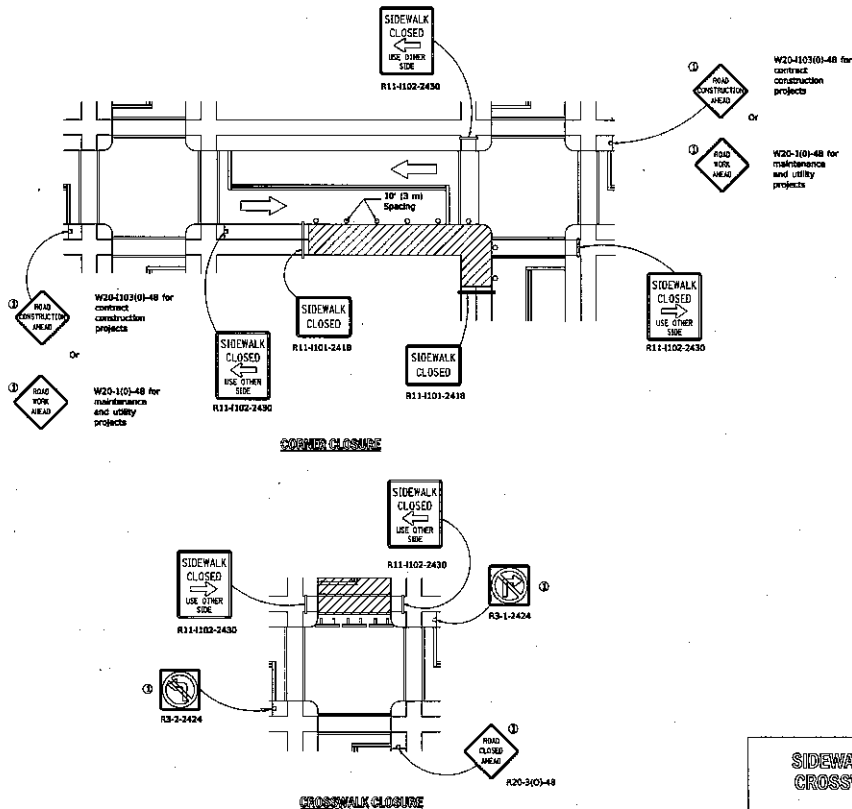
HORIZONTAL: NTS

VERTICAL: NTS

MP TO MP

SHEET 21 OF 28

FILE: 1812BUKPE-MCA-8923-A



**SIDEWALK, CORNER OR CROSSWALK CLOSURE**  
 (Sheet 2 of 2)  
 STANDARD 701801-08

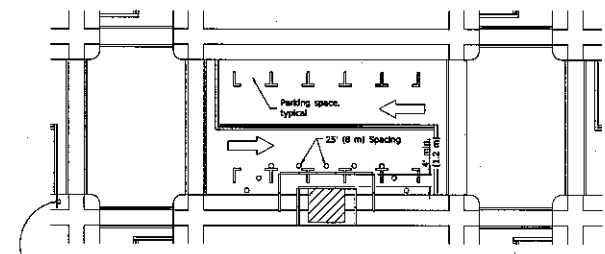
Illinois Department of Transportation

NAME: [Signature] DATE: 7/3/2020

APPROVED BY: [Signature] DATE: 7/3/2020

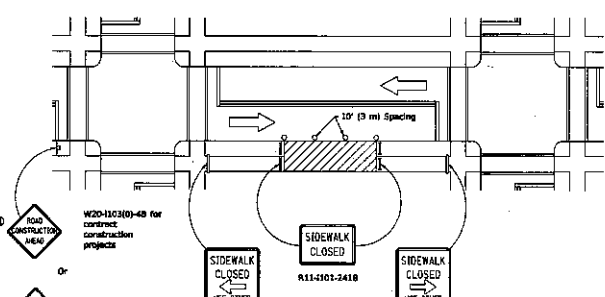
ILLINOIS DEPARTMENT OF TRANSPORTATION





ⓐ ROAD CONSTRUCTION AHEAD W20-1103(0)-48 for contract construction projects

Or  
 ⓑ ROAD AHEAD W20-1101-48 for maintenance and utility projects



ⓐ ROAD CONSTRUCTION AHEAD W20-1103(0)-48 for contract construction projects

Or  
 ⓑ ROAD AHEAD W20-1101-48 for maintenance and utility projects

ⓐ Drill whenever duplicated by road work traffic control.

**GENERAL NOTES**

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4820 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

- SYMBOLS**
- Work area
  - Sign on portable or permanent support
  - Barricade or drum
  - Cone, drum or barricade
  - Type III barricade
  - Detectable pedestrian channelizing barricade

Illinois Department of Transportation

DATE: 08/20/20

DESIGNER: S. DEWENDJIAN

DRAWN BY: S. DEWENDJIAN

APPROVED: [Signature]

DATE	REVISIONS
4-1-16	Added orange safety fence
1-1-12	From standard as this is covered in the SBL sign.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views. Reformat Std.

**SIDEWALK, CORNER OR CROSSWALK CLOSURE**

(Sheet 1 of 2)

STANDARD 701801-03

**NOT FOR CONSTRUCTION**

PROJECT: 1812BLX-PE-MCA-8923-A  
 HINSDALE, IL

CLARIFICATION NO. QUANTITY

McChesno ACCESS TRANSMISSION SERVICES CORP. OUTSIDE PLANT CONSTRUCTION TITLE: 1812BLX-PE-MCA-8923-A

DATE: 7/8/2020

DESIGNER: S. DEWENDJIAN

DRAWN BY: S. DEWENDJIAN

DATE	DESCRIPTION	INITIAL
---	---	---
---	---	---
---	---	---

CRAN HUB: VZE DOWNERS GROVE

PERMIT NO: 9923

SCALE

HORIZONTAL: NTS

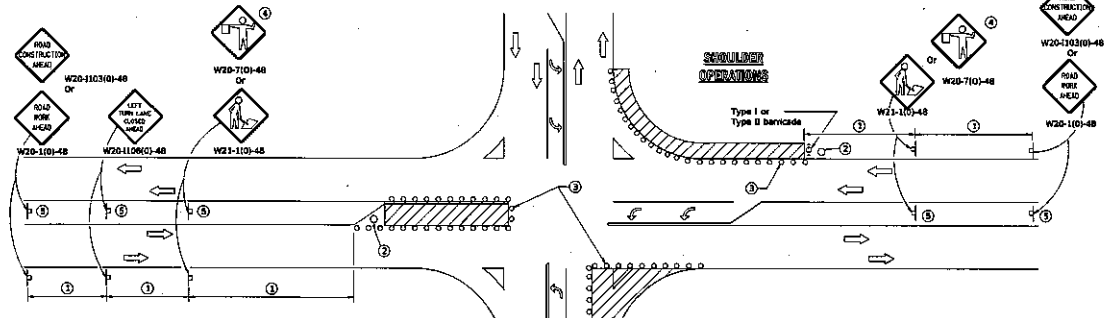
VERTICAL: NTS

MP TO MP

SHEET 22 OF 28

FILE: 1812BLX-PE-MCA-8923-A





**LEFT TURN LANE OR CENTER MEDIAN OPERATIONS**

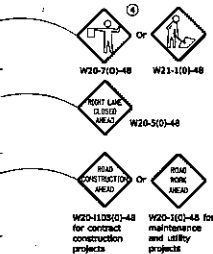
- 1 Refer to SIGN SPACING TABLE for distance.
- 2 Required for speed > 40 mph.
- 3 Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- 4 Use flagger sign only when flagger is present.
- 5 Omit this sign when median is less than 10' (3 m) or for bidirectional turn lanes.
- 6 Cones, drums or barricades at 20' (6 m) centers in taper.
- 7 Advanced arrow board required for speeds > 45 mph.
- 8 Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
35	250' (75.0 m)
50-65	350' (106.7 m)
>65	200' (60.9 m)

- SYMBOLS**
- ▨ Work area
  - Cone, drum or barricade
  - ⊢ Sign on portable or permanent support
  - ➡ Arrow board
  - ⊕ Barricade or drum with flashing light
  - ⊙ Flagger with traffic control sign

**SHOULDER OPERATIONS**

**CORNER ISLAND OPERATIONS**



**GENERAL NOTES**

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

**SPEED LIMIT**

40 mph (70 km/h) or less

45 mph (80 km/h) or greater

W = Width of offset in feet (meters)

S = Normal posted speed mph (km/h)

All dimensions are in inches (millimeters) unless otherwise shown.

**FORMULAS**

English Metric

$L = \frac{WS}{S}$   $L = \frac{WS}{1.6S}$

$L = (W)(S)$   $L = (0.6S)(W)(S)$

Illinois Department of Transportation

PROJECT: 18128TLK-PE-MCA-9223-A

DRAWN BY: S. DEREMENDJIAN

DATE: 7/8/2023

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

**URBAN LANE CLOSURE, MULTILANE INTERSECTION**

STANDARD 701701-10

**NOT FOR CONSTRUCTION**

PROJECT: 18128TLK-PE-MCA-9223-A

HINSDALE, IL

CLARIFICATION NO. QUANTITY

ACCESS TRANSMISSION SERVICES CORP.

OUTSIDE PLANT CONSTRUCTION

TITLE: 18128TLK-PE-MCA-9223-A

DATE: 7/8/2023

DESIGNER: S. DEREMENDJIAN

DRAWN BY: S. DEREMENDJIAN

REVISIONS

DATE DESCRIPTION AUTH

CRAN HUB: VZB DOWNERS GROVE

PERMIT ID: 9223

SCALE

HORIZONTAL: NTS

VERTICAL: 5/8

MP TO MP

SHEET 23 OF 26

FILE: 18128TLK-PE-MCA-9223-A



NOT FOR CONSTRUCTION

PROJECT:

18128TLKPE-MCA-9923-A

HINSDALE, IL

CLARIFICATION NO. QUANTITY

CLARIFICATION NO.	QUANTITY

NICTD  
ACCESS TRANSMISSION SERVICES CORP.  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128TLKPE-MCA-9923-A

DATE: 7/9/2020

DESIGNER: S.DERWENDJAN

DRAWN BY: S.DERWENDJAN

REVISIONS

DATE	DESCRIPTION	INITIALS

CRAI HUB:  
V28 DOWNERS GROVE

PERMIT ID: 9923

SCALE

HORIZONTAL: NTS

VERTICAL: NTS

MP TO MP

SHEET 24 OF 28

FILE: 18128TLKPE-MCA-9923-A

**URBAN LANE CLOSURE**  
**2L, 2W, WITH BIDIRECTIONAL**  
**LEFT TURN LANE**  
(Sheet 2 of 2)  
**STANDARD 701502-09**

Illinois Department of Transportation

APPROVED: *[Signature]* 7/9/20

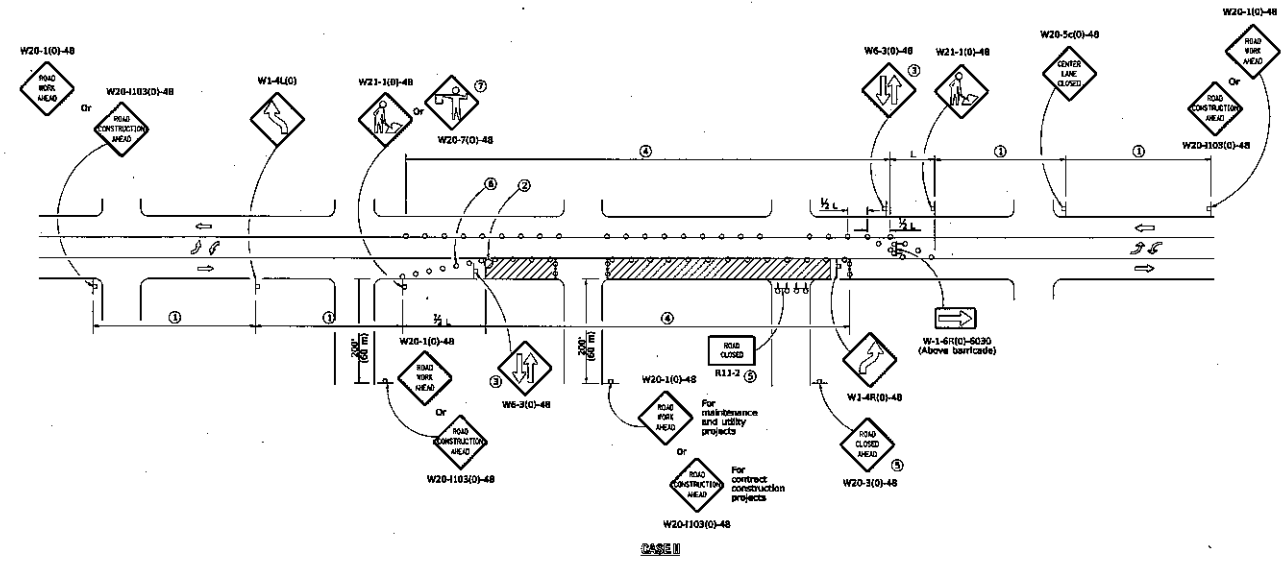
DESIGNED BY: *[Signature]* 7/9/20

DESIGNED: *[Signature]* 7/9/20

APPROVED: *[Signature]* 7/9/20

DESIGNED BY: *[Signature]* 7/9/20

DESIGNED: *[Signature]* 7/9/20



CASE II



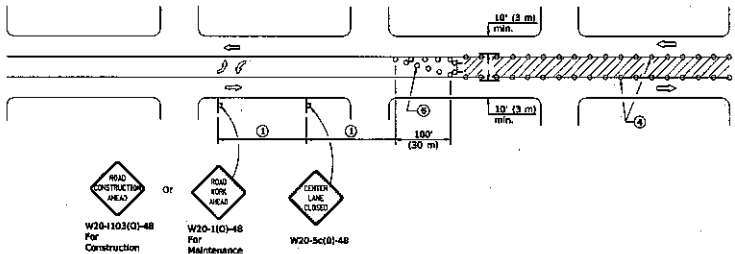


NOT FOR CONSTRUCTION

PROJECT:  
18128TLX-PE-MCA-4923-A  
HINSDALE, IL  
CLARIFICATION NO. QUANTITY

ACCESS TRANSMISSION SERVICES CORP.  
NICHOLS  
OUTSIDE PLANT CONSTRUCTION  
TITLE: 18128TLX-PE-MCA-4923-A

DATE: 7/9/2022  
DESIGNER: S DERMEKIAN  
DRAWN BY: S DERMEKIAN  
DATE DESCRIPTION REVISE  
SCALE  
HORIZONTAL: NTS  
VERTICAL: NTS  
MP TO M/P  
SHEET 25 OF 28  
FILE: 18128TLX-PE-MCA-4923-A



SKIN SPACINGS	
Posted Speed	Sign Spacing
45	500' (150 m)
50-65	350' (100 m)
<45	200' (60 m)

CASE I  
(Signs required for both directions)

- 1 Refer to SKIN SPACING TABLE for distances.
- 2 Required for speeds > 40 mph (70 km/h).
- 3 Required if work exceeds 500' (154 m) or 1 block.
- 4 Cones at 20' (6 m) centers for 250' (75 m) on approach. Additional cones may be placed at 50' (15 m) centers. When drums or type I or II barricades are used, the interval between devices may be doubled.
- 5 For approved roadside closures.
- 6 Cones, drums or barricades at 20' (6 m) centers in taper.
- 7 Use flagger sign only when flagger is present.

- SYMBOLS**
- Work area
  - Barricade or drum with flashing light
  - Flagger with traffic control sign
  - Cone, drum or barricade
  - Sign on portable or permanent support
  - Type II barricade with flashing lights

**GENERAL NOTES**

This Standard is used to close one lane of an urban, two lane, two way roadway with a bidirectional turn lane.  
Case I applies when no workers are present. When workers are present, two lanes shall be closed and traffic control shall be according to Standard 701501.

Calculate L as follows:

SPEED LIMIT	FORMULAS
	English (Metric)
40 mph (70 km/h) or less:	$L = \frac{WS}{60}$ $L = \frac{WS}{100}$
45 mph (80 km/h) or greater:	$L = (W)(S)$ $L = 0.65(W)(S)$

W = Width of offset in feet (meters).  
S = Normal posted speed mph (km/h).

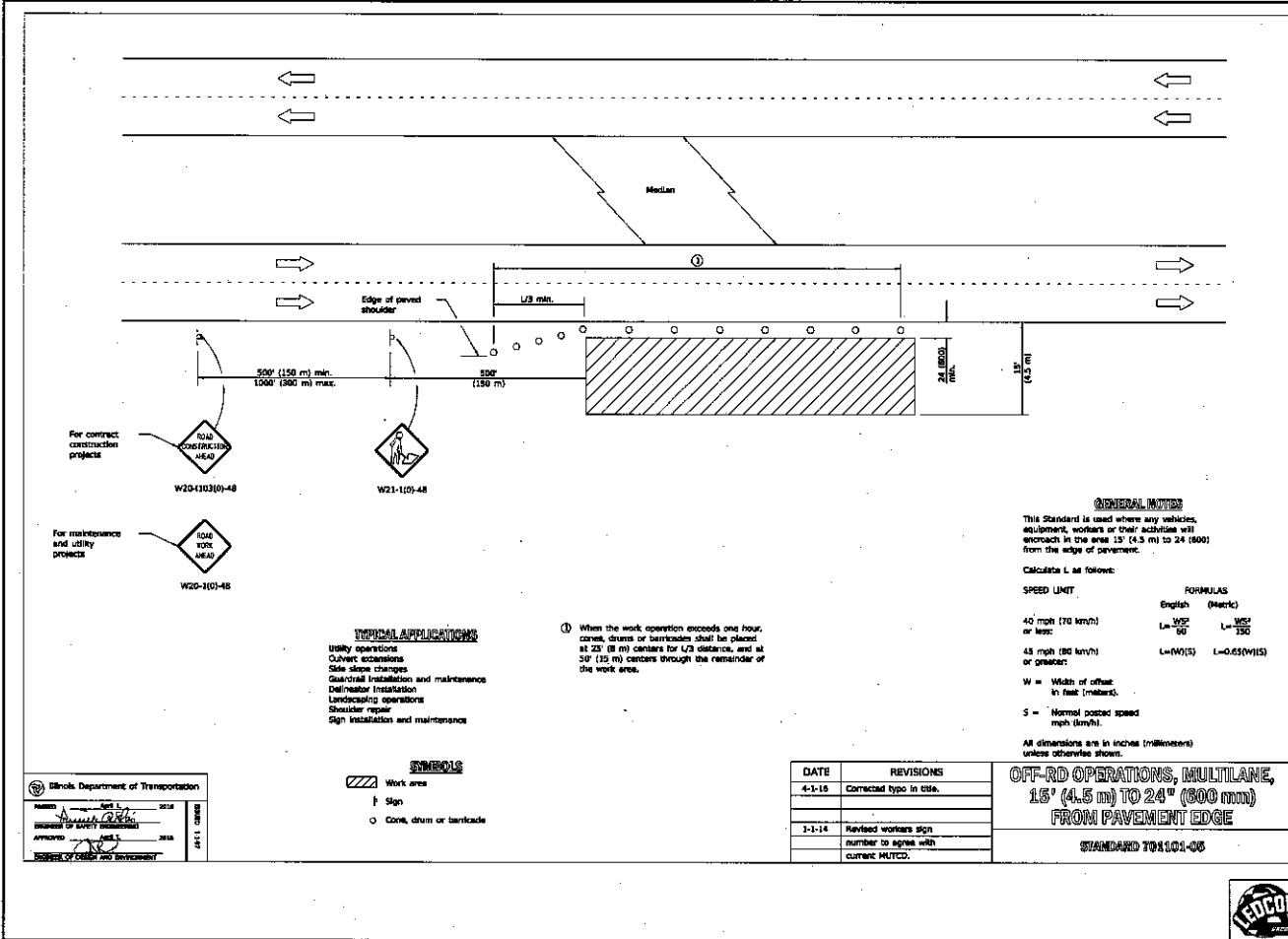
All dimensions are in inches (millimeters) unless otherwise shown.

**URBAN LANE CLOSURE**  
**2L, 2W, WITH BIDIRECTIONAL**  
**LEFT TURN LANE**  
STANDARD 701502-00  
(Sheet 1 of 2)

DATE	REVISIONS
1-1-19	Revised to allow cones at night.
1-1-18	Corrected sign number for TWO WAY TRAFFIC sign for CASE II.

Illinois Department of Transportation  
APPROVED: 2019  
DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
DATE: 2019  
DIVISION OF DESIGN AND CONSTRUCTION





**NOT FOR CONSTRUCTION**

PROJECT: 1812BTLKPE-MCA-9923-A  
 HINSDALE, IL

CLARIFICATION NO. QUANTITY

MICHIGAN ACCESS TRANSMISSION SERVICES CORP.  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: 1812BTLKPE-MCA-9923-A

DATE: 7/9/2020  
 DESIGNER BY: S. DERMEHOJIAN  
 DRAWN BY: S. DERMEHOJIAN

REVISIONS		
DATE	DESCRIPTION	INITIAL

EXCEPT AS MAY BE OTHERWISE INDICATED BY CIRCUMSTANCES, THE DIMENSIONS AND SPECIFICATIONS SHALL BE AS SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SPECIFICATIONS AND FOR OBTAINING NECESSARY PERMITS FROM ALL AFFECTED AGENCIES AND UTILITIES PRIOR TO CONSTRUCTION.

CRAN HUB: V2B DOWNERS GROVE  
 PERMIT ID: 5923

SCALE  
 HORIZONTAL: NTS  
 VERTICAL: NTS

MP TO MP  
 SHEET 26 OF 28

FILE: 1812BTLKPE-MCA-9923-A

**GENERAL NOTES**

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (6000) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{90}$	$L = \frac{WS^2}{130}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).  
 S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

**TYPICAL APPLICATIONS**

Utility operations  
 Culvert extensions  
 Side slope changes  
 Gravel/trail installation and maintenance  
 Delineator installation  
 Landscaping operations  
 Shoulder repair  
 Sign installation and maintenance

**SYMBOLS**

Work area  
 Sign  
 Cone, drum or barricade

DATE	REVISIONS
4-1-15	Corrected typo in title.
1-1-14	Revised workers sign number to agree with current MUTCD.

**OFF-ROAD OPERATIONS, MULTILANE**  
**1.5' (4.5 mm) TO 24" (600 mm)**  
**FROM PAVEMENT EDGE**

STANDARD T01101-05

Illinois Department of Transportation

DESIGNED BY: [Signature] 2018  
 CHECKED BY: [Signature] 2018  
 APPROVED BY: [Signature] 2018  
 PROJECT OF COURTESY AND ENVIRONMENT

