Utility Coordination During Construction

Northeast Region Annual Utility Conference January 24, 2018

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Utility Coordination During Construction

Introduction

- Utility Coordination Goals
- Utility Relocation Process
- Trans 220

Pre-Construction Coordination

- Pre-Construction Conference
- Utility Special Provisions and Contacts
- Diggers Hotline

Coordination During Construction

- Concurrent Work
- Potential Conflicts
- Conflict Resolution

Lessons Learned and Best Practices

- WisDOT Single Point of Contact
- As-Built Utility Information
- Timeline for Establishing Services





Introduction

UTILITY COORDINATION GOALS

- Safety
- Prevent Damage to Utility Facilities
- Prevent Delay to Construction projects
- Minimize Construction Costs





Introduction

Relocation Process

- DT1078 Plans
 - Sent to Utilities to review
- Utility Workplan
 - Utilities Identify Conflicts
- Utility Permit
 - Required by Maintaining Authority
- Relocation completed

Trans 220

- Establish Responsibly for Each Party Involved
 - WisDOT
 - Utility Owners
 - Contractors
- It's the Law



Pre-Construction Coordination

Pre-Construction Conference

- Utility, Contractor, and WisDOT representatives in attendance
 - Update contact information
- Discuss relocation progress
- Coordinate any concurrent relocations

Utility Special Provisions and contact information

- Included in bid package
 - Always check addenda
- Special Provisions should detail relocations
- Contact information should be current
 - Update if needed prior to construction



Pre-Construction Coordination

OTHER AGENCIES

DNR AREA LIAISON

JAY SCHIFFE REIN DEPARTMENT OF NATURAL RESOURCES 2984 SHAWANO AVENUE GREEN BAY, WI 54313 (920) 662-5407 JEREMAH, SCHIEFEL BEIN @WISCONSIN, GOV

US ARMY CORP OF ENGINEERS

ANN NYE OLD FORT SQUARE 211 N. BROADWAY, STE 221 GREEN BAY, WI 54303 (920) 448-2824 ANN.M.NYE@USACE.ARMY.ML

COUNTY SURVEYOR OR SURVEYS

CONTACT PERSON

WINNEBAGO COUNTY PLANNING AND ZONING DEPT PO BOX 2808 OSHKOSH, WI 54903 920-232-3335 DCULVER@CO.WINNEBAGO.WLUS

WINNEBAGO COUNTY HIGHWAY COMMISSIONER

ERNE WINTERS 901 WEST COUNTY ROAD Y P.O. BOX 2764 OSHKOSH WI 54903 (920) 232-1700

DESIGN CONTACTS

SCOTT FREE WISDOT - NE REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 920-492-2240 SCOTT.EBEL@URS.COM

JUSTIN ARNOT KAPUR & ASSOCIATES, INC. 7711 PORT WASHINGTON RD. MLWAUKEE, WI 53217 JARDNT@KAPUR-ASSOC.COM

NICHOLAS RECKER LIRS CORPORATION 342 N WATER ST. 7TH FLOOR MLWAUKEE WI 53202 (414) 831-4122 NICK.BECKER@URS.COM

WISCONSIN CENTRAL LTD CONTACTS

MAIN RAILROAD CONTACT

JACKIE MACEWICZ

RAILROAD FLAGGING CONTACT MARY ELLEN CARMODY 2800 LIVERNOIS ROAD, SUITE 330

MANAGER PUBLIC WORKS TROY. M 48083 1625 DEPOT STREET OFFICE: (248) 740-6227 STEVENS POINT, WI 54481 FAX: (248) 740-6036 OFFICE: (715) 345-2503 MARYELLENCARMODY@CN.CA FAX: (715) 345-2507 JACKIEMACEWICZ@CN.CA

24 HOUR EMERGENCY RAILROAD SIGNAL

CALL BEFORE YOU DIG

WISCONSIN CENTRAL LTD IS NOT PART OF DIGGERS HOTLINE. CALL CHRISTINE GRZESIAK, (715) 345-2506, WHEN DIGGING ON RAILROAD RW

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES UTILITY CONTACTS PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS REMOVAL PLAN PLAN DETAIL PAVING GRADES WETLAND DETAILS INVASIVE SPECIES EROSION CONTROL POND DETAILS

STORM SEWER PLAN

STAGE CONSTRUCTION

TRAFFIC CONTROL

ALIGNMENT PLAN

AT&T WISCONSIN MR. GARY LAABS

221 WEST WASHINGTON STREET, 4TH FLOOR APPLETON WI54911 (920) 735-3063 GL1784@ATT.COM

AT&T TCG MS, DEBBE SADDLER

C/O NORTHWIND TECHNICAL SERVICES LLC 3701 W BURNHAM STREET MLWAUKEE, WI 53215 (414) 459-3572

MOBILE: (414) 651-0036 D.SADDLER@NORTHWINDTECH.COM

MENASHA UTILITIES MR, GREG SHULL

321 MLWAUKEE ST PO BOX 340 MENASHA, WI 54952 (920) 967-3422 GSHULL@WPPIENERGY.ORG

UTILITY CONTACTS

2340 AMERICAN DR

TOWN OF MENASHA - SANITARY SEWER MR. MARK SCHMITT UTILITY DISTRICT

NEENAH, WI 54956 (920) 720-7100 MSCHMITT@TOWN-MENASHA.COM

TOWN OF MENASHA - WATER MR, JEFF ROTH UTILITY DISTRICT 2340 AMERICAN DRIVE NEENAH, WI 54956 (920) 720-7175 JEFFR@TOWN-MENASHA.COM

TDS METROCOM MR, STEVE JAKUBIEC

10 COLLEGE AVE STE 218A APPLETON, WI 54911 (920) 882-4166 MOBILE: (920) 562-7221 STEVE.JAKUBEC@TDSTELECON.COM

TIME WARNER CABLE

MR. VINCE ALBIN 3520 DESTINATION DR APPLETON WI 54915 (920) 831-9249 MOBILE (920) 378-0444 VINCEALBIN@TWCABLE.COM

TRANSCANADA MR. ROBERT BIBELHAUSEN

ANR PIPELINE COMPANY N 4956 OAKCREST DR BONDUEL, WI 54107 (715) 758-3343 MOBILE: (715) 460-4001 ROBERT_BIBELHAUSEN@TRANSCANADA.COM

WE ENERGIES - ELECTRIC MR, KEN VAN OSS

P.O. BOX 1699 APPLETON, WI 54912 (920) 380-3318 KENNETH,VAN-OSS@WE-ENERGIES.COM

WE ENERGIES - GAS

MR, CODY BECKMAN 800 SOUTH LYNNDALE DRIVE P.O. BOX 1699 APPLETON, WI 54912 (920) 380-3422 CODY.BECKMANN@WE-ENERGIES.COM

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS, STATUTE 182,0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



www.DiggersHotline.com

PROJECT NO: 1517-07-76

HWY: USH 10

COUNTY: WINNERAGO

UTILITY CONTACTS

PLOT SCALE : 1:1

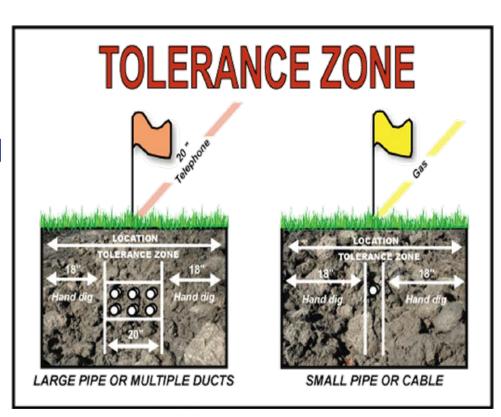


SHEET:

Pre-Construction Coordination

DIGGERS HOTLINE

- Request locations prior to construction
- Request re-mark as needed
- Protect utility markings as possible
- ▶ 18-inch tolerance
- Does <u>not</u> locate discontinued facilities







Concurrent Utility Work

- Coordinate work schedules in advance
 - Discuss location of work, work area, and access needs
 - Consider material deliveries
- Contractor required by contract to accommodate utility work



Potential conflicts

- Plan Changes
 - Varying Field Conditions
 - Plan Errors/Omissions
- Failure to Follow Workplan
 - New Facility Location
 - Schedule
- Human Error
 - Mismarked utilities
 - Operator mistakes
- Discontinued Utilities

Conflict resolution

- Time is Money
 - Detect potential conflicts early
 - Notify all parties as soon as conflict arises
- Follow Trans 220
 - Contractor and Utility coordinate directly

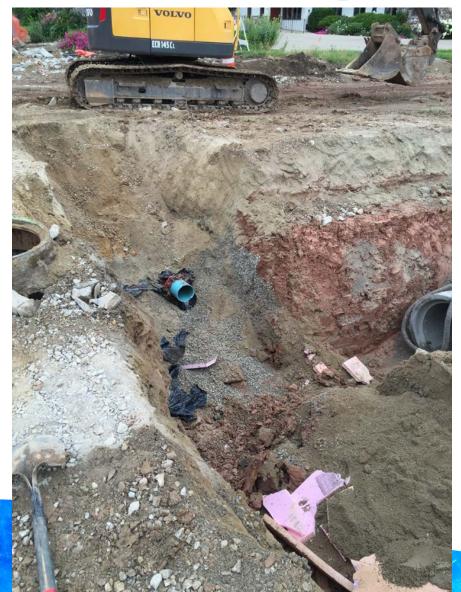




















Lessons Learned

WisDOT single point of contact

- One member of the project team should be familiar with utility work plans
 - Improve communication between contractor, utility, and WisDOT
 - Recognize potential issues

Timeline to establish electrical services

- Contractor requests services for:
 - Traffic Signals
 - Street Lighting
 - Intelligent Transportation System (ITS)
- Confirm duration for service installation
- WisDOT reimburse actual service cost



Lessons Learned

As-built utility information



Advantages:

- Ensure workplan was followed
- Double check coordinates against proposed work
- Recognize potential issues prior to construction
- Technology
 - GPS survey
 - SPAR survey
 - 3D Scanning



In Conclusion

- Utility Coordination Goals
- Pre-Construction Coordination
- Coordination During Construction
- Lessons Learned from "441" Project
- Questions

