

Operational Planning Meeting Minutes STH 145 Bridges | Milwaukee County

Project ID: 1360-12-00/70 & 1360-13-00/70

Date: December 13, 2017

Time: 10:00 AM

Location: 141 NW Barstow Street, Waukesha, WI, Room 338A

An Operational Planning Meeting was held for the STH 145 bridges located in Milwaukee, WI. A presentation was given by Greg Gard & Jimmy Schumacher – 30% Design Engineers – and the power point used is attached in accompanying email.

1. Attendance
 - a. See attached sign-in sheet below for meeting attendees
2. Chris Squires stated that documentation will be needed for any structures where bike lanes are not being proposed as part of this project. The scope changing from a deck replacement to a structure replacement due to adding bike lanes is sufficient justification for not providing bike lanes as part of this project. However, the typical section should be investigated further to see if it is possible to narrow or reduce lanes on these bridges to provide bike lanes. Sidewalks are present on all the structures, and there are no issues from that standpoint.
3. Regarding the pedestrian bridges, Rebecca Klein was concerned how this work would be done. Per the FDM, detouring pedestrian traffic should be the last thing to be considered before exhausting all other options. Scott Reay expected this work to take one full day to complete. Night work is a possibility but further investigation needed to determine all possible options. For the other structures, pedestrians could be detoured to the sidewalk on the other side.
4. WisDOT is still waiting on responses from several utilities and determining which utilities are located on the structure.
5. Scott Lee asked if a Type III TMP was expected for this project and in response, it is likely that it will either be a Type I or II TMP. There is also federal funding on this project so a CEC should be the appropriate environmental document.
6. David Locher from MCTS had several concerns with the impacts to bus routes in the area. There is a route on 107th St. that will need to be rerouted during the structure replacement. There are also several routes near the Silver Spring Drive and 76th Street Bridges that would affect approximately 22 bus stops. MCTS would prefer that the bridges could be staged for bidirectional traffic. Rebecca Klein stated that crossovers would be tricky in this area due to the number of ramps/interchanges. Further coordination will need to take place with MCTS.
7. City of Milwaukee has utilities on the 107th St., Silver Spring EB, and 76th St. SB structures and will request a hardship to allow the utilities to remain on the structure.
8. WE Energies has utilities on the 107th St, 76th St, and Silver Spring WB structures.

9. Hans Hallanger said that the drainage report should be similar to what the 30% team has delivered in the past.
10. The project schedule was moved back to a PSE of 2023 to allow for 24/7 for real estate and utility relocation. Scott Reay is investigating if there are any critical structures that need to be addressed before then.

WISCONSIN DEPARTMENT OF TRANSPORTATION OPERATIONAL PLANNING MEETING

Project ID's: 1360-12-00 (70)
1360-13-00(70)
 WIS 145 Bridges Residing over Good Hope Rd., 107th St.
 Silver Spring Dr., STH 181 (76th St), and 2 Pedestrian Bridges
 Milwaukee, Milwaukee County



DATE:	TIME:	LOCATION:	PURPOSE:
Dec. 13 th , 2017	10:00 a.m. ~ 11:00 am	WisDOT Facility, 141 NW Barstow, Waukesha, WI, Room 338A/B	Operational Planning Meeting

ATTENDANCE RECORD

Please Note: The information in this document (including names, addresses, phone numbers, e-mail addresses, and signatures) is not confidential, and may be subject to disclosure upon request, pursuant to the requirements of the Wisconsin open records law, sections 19.31—19.39 of the Wisconsin Statutes.

NAME (Please Print)	STREET ADDRESS CITY/STATE/ZIP CODE	REPRESENTING	PHONE NUMBER	Email (Please fill out if you would like to receive notifications by email)
Roy Stollenwerk	141 NW Barstow St, Waukesha, WI	WisDOT-30% PM	262-548-6474	Roy.stollenwerk@dot.wi.gov
Vida Shaffer	141 NW Barstow St, Waukesha, WI	WisDOT-PDS PM		Vida.shaffer@dot.wi.gov
Greg Gard	141 NW Barstow St, Waukesha, WI	WisDOT-30% Design	262-548-8719	Greg.Gard@dot.wi.gov
James Schumacher	141 NW Barstow St, Waukesha, WI	WisDOT-30% Design	262-521-4428	JamesD.schumacher@dot.wi.gov
Aaron Michelson	"	WisDOT Freight Planning	262-548-8708	aaron.michelson@dot.wi.gov
DAVID LOCHER		MCTS	414-343-1727	DLOCHER@MCTS.ORG
Hans Hallanger	"	WisDOT-TSS	262-548-6706	hans.hallanger@dot.wi.gov
Rodin Burns	"	Planning	262-548-5383	rodin.burns@dot.wi.gov
MIKE BORCK		SAFETY & Regs		michael.borck@dot.wi.gov
Alex Dantinne	WE Energy	WE Energy	920-621-6503	alex.dantinne@we-energy.com
Hans Higdon	WisDOT	Planning		
Tim McElmool	WisDOT Env.	Env.	548-6488	timothy.mcelmool@dot.wi.gov

[illegible]

Operational Planning Meeting

DECEMBER 13TH, 2017



FOR PROJECT(S): 1360-12-00/70 AND 1360-13-00/70

STH 145 BRIDGES OVER:

- **GOOD HOPE RD.**
- **107TH ST.**
- **SILVER SPRING DR.**
- **STH 181 (76TH ST.)**
- **W. 84TH ST. PEDESTRIAN BRIDGE**
- **W.SHERIDAN AVE. PEDESTRIAN BRIDGE**

MILWAUKEE COUNTY

PS&E: MAY 1ST, 2023

LET: SEPTEMBER 10TH, 2024

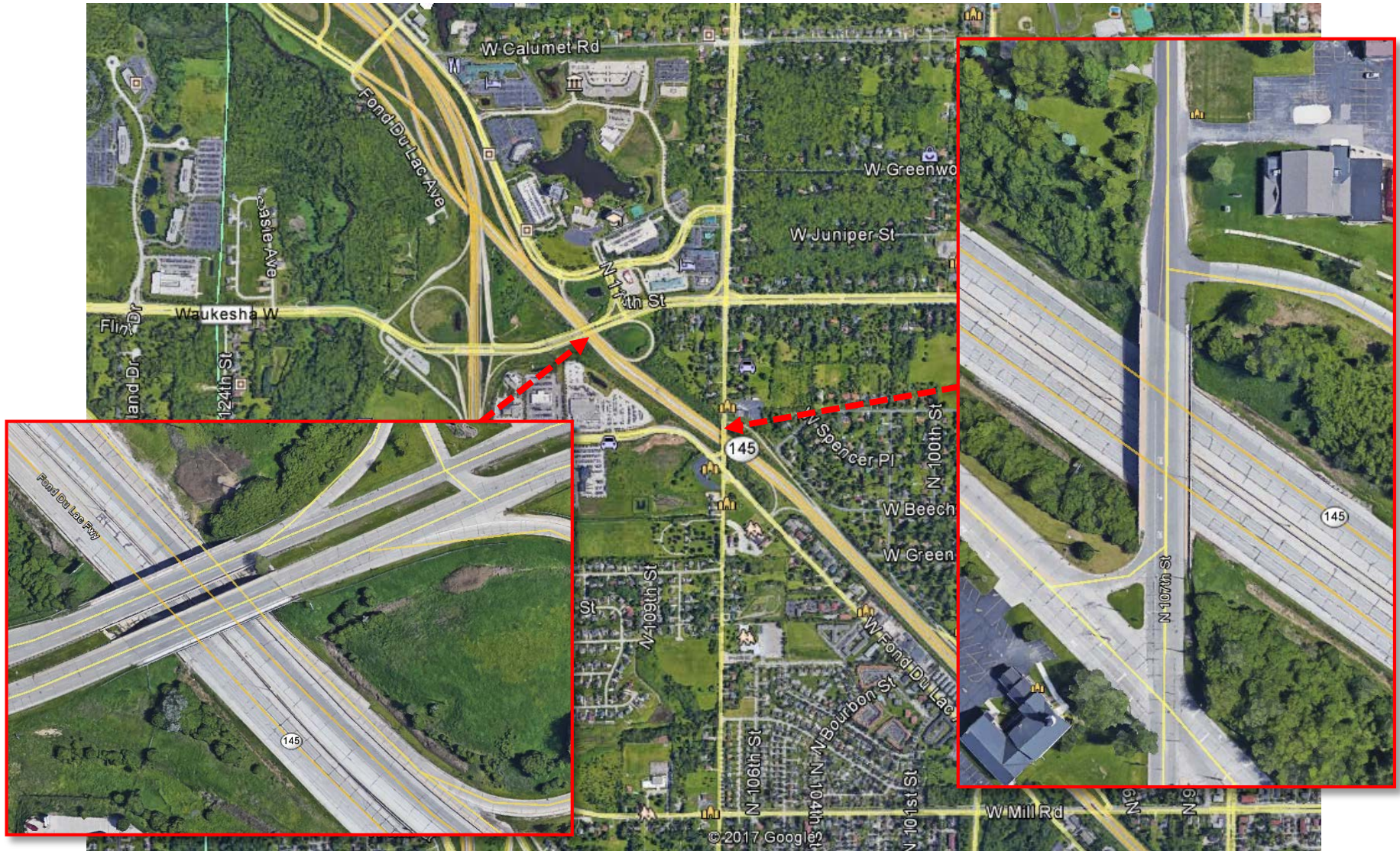
Topics

- Project Location – STH 145 in Milwaukee County
- Purpose & Need – Structure Conditions
- Roadway Information and Classification
- Scope/Existing Conditions
- Crash Data
- Traffic Management Plan
- Utilities
- Environmental Concerns
- Real Estate – Exception Dependent
- Schedule



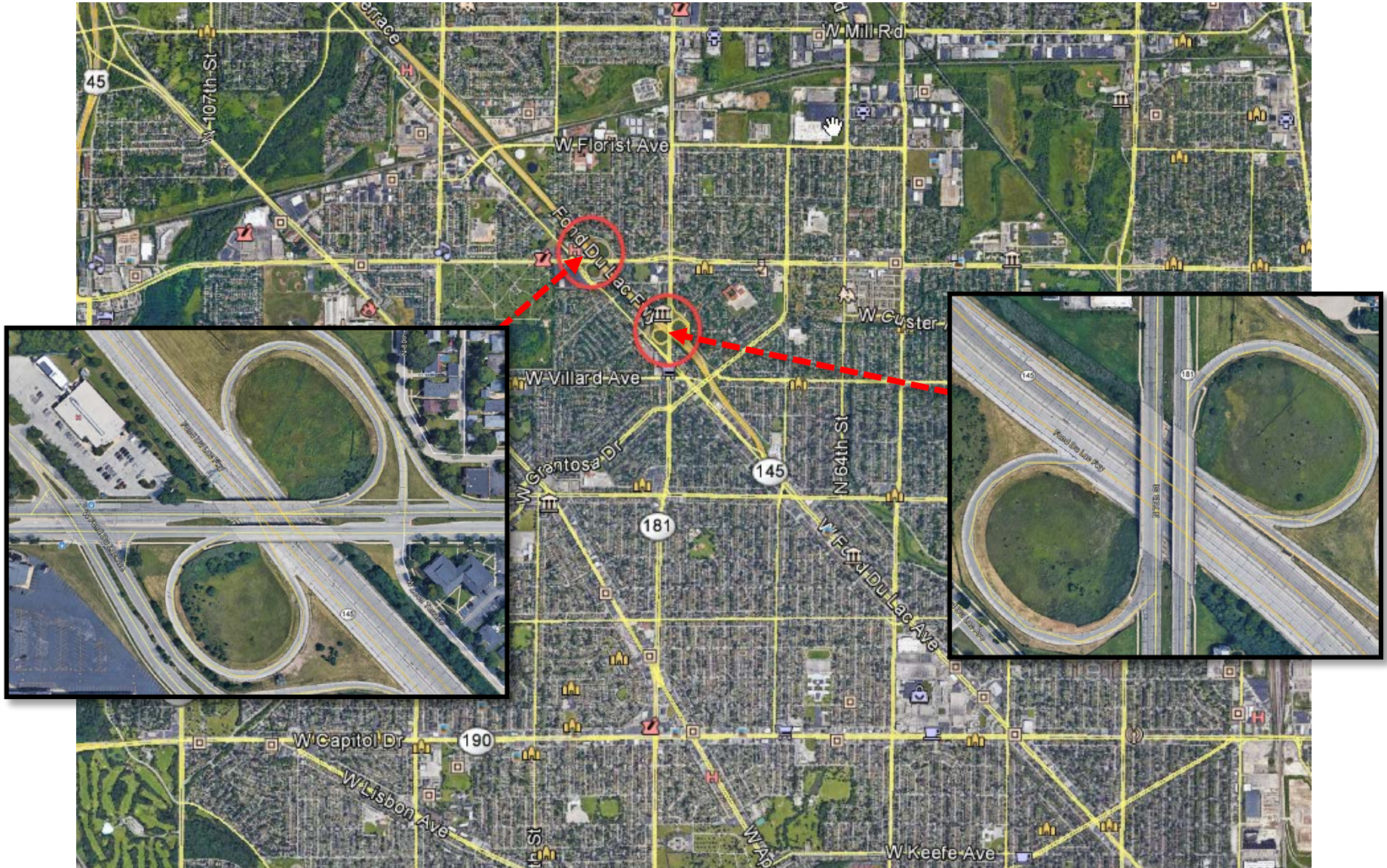
Location: 1360-12-00/70

- **3 Structures located on STH 145 in Milwaukee County**
 - W. Good Hope Dr. - (B-40-0250/0251)
 - 107th St. – (B -40-0252)



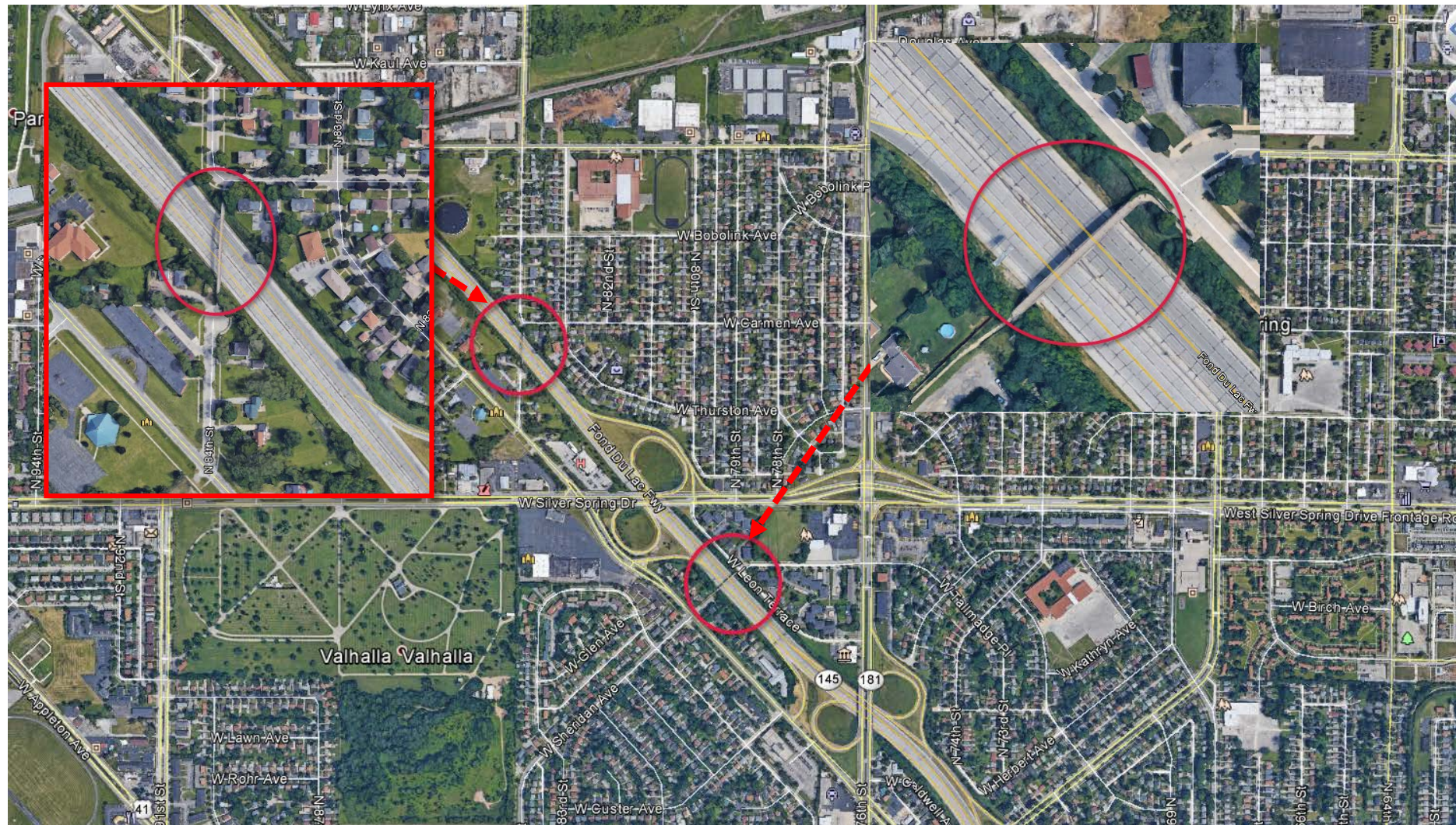
Location:1360-13-00/70

- 4 Structures located on STH 145 in Milwaukee County
 - Silver Spring Dr. - (B-40-0253/0254)
 - STH 181 (76th St.) – (B -40-0255/0256)



Location: 1360-13-00/70

- 2 Pedestrian Structures located on STH 145 in Milwaukee County
 - N. 84th St. Ped. Bridge - (B-40-0297)
 - W. Sheridan Ave. Ped. Bridge - (B-40-0298)



Project Background (Good Hope Rd. and 107th St.)

- Bridges originally constructed in 1964
 - Good Hope Rd. – Concrete overlays in 1980 and 2003
 - EB structure widened from 36' to 40' in 1984
 - Substandard vertical clearance and clear roadway width for WB structure
 - Deck replacements proposed
 - 107th St. – Deck overlay in 1999
 - Substandard vertical clearance
 - Structure replacement proposed



Project Background (Silver Spring Dr. and 76th St.)

- Bridges originally constructed in 1964
 - Concrete overlays in 1992
 - Substandard vertical clearance and clear roadway width
 - Deck replacements proposed



Project Background (N. 84th Pedestrian Bridge)

- Just NW of Silver Spring Dr. interchange
 - Bridge originally constructed in 1966
 - Substandard vertical clearance
 - No improvements or maintenance updates done to it since
 - Deck path and thin epoxy overlay proposed



Project Background (W. Sheridan Ave. Pedestrian Bridge)



- Between Silver Spring Dr. and 76th St. (STH 181) interchanges
 - Bridge originally constructed in 1965
 - Substandard vertical clearance
 - No improvements or maintenance updates done to it since
 - Deck path and thin epoxy overlay proposed

Looking North



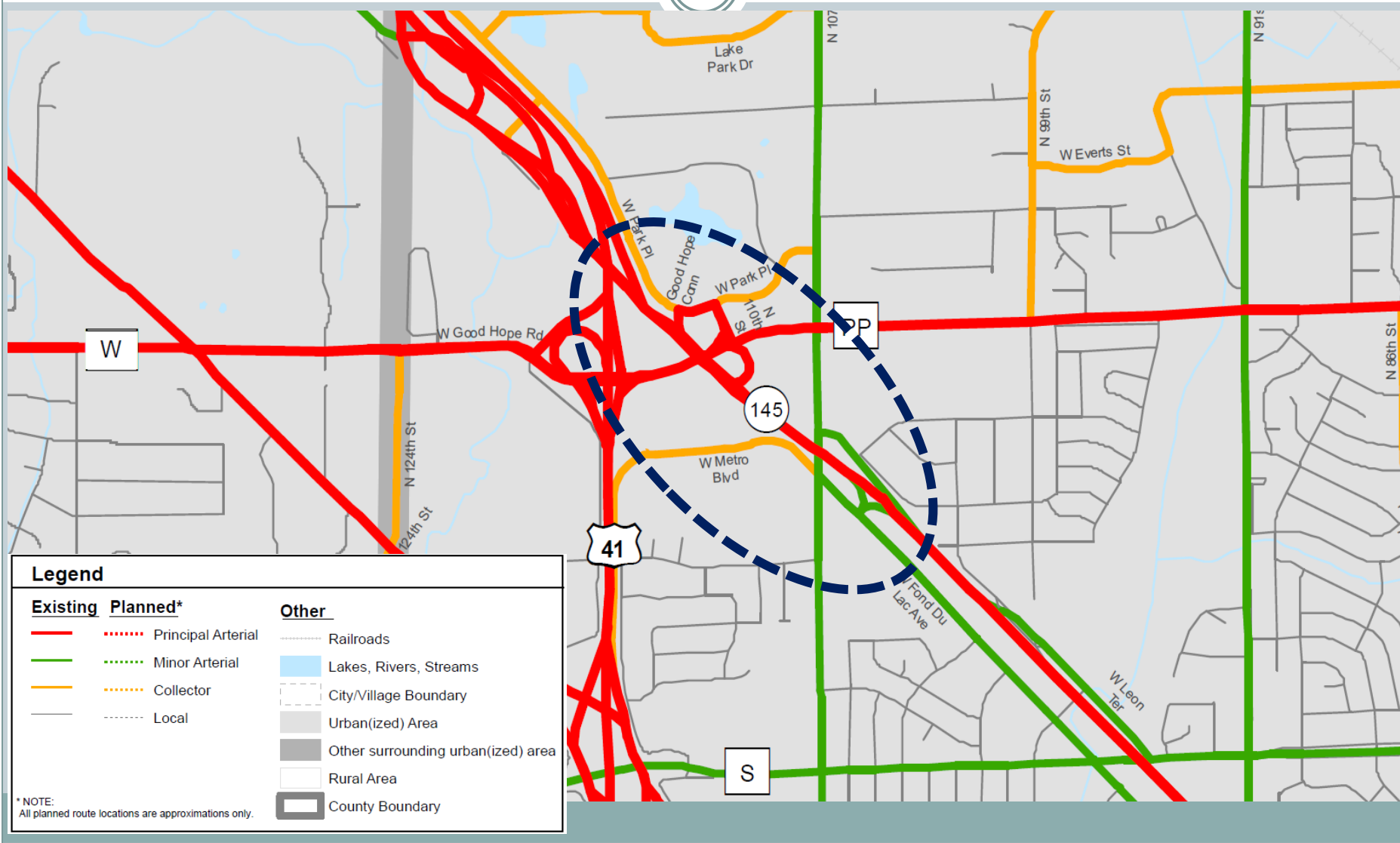
Looking West



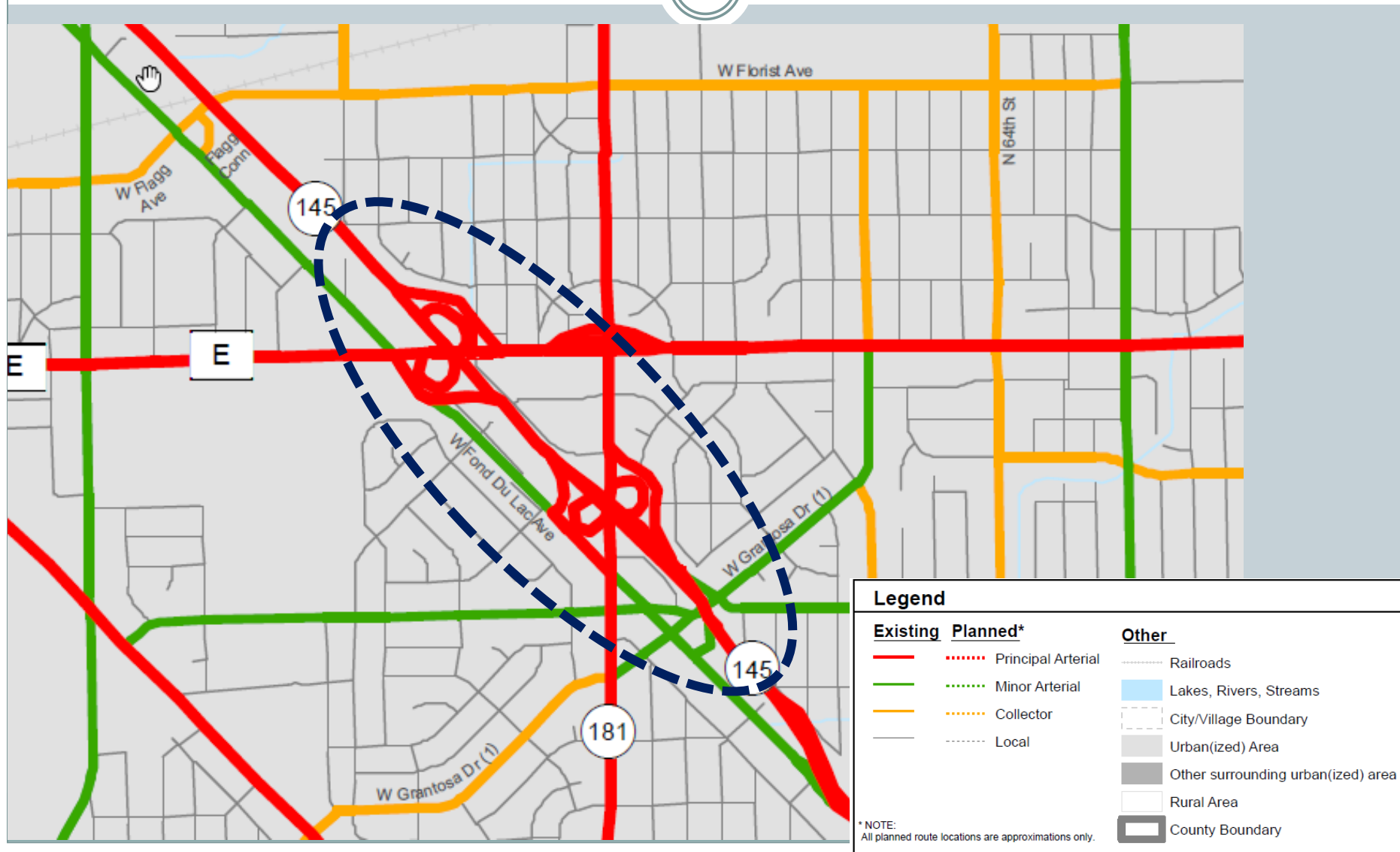
Functional Classification for 1360-12-00/70

~ W. Good Hope Rd. - Existing Principal Arterial

~ 107th St. – Minor Arterial



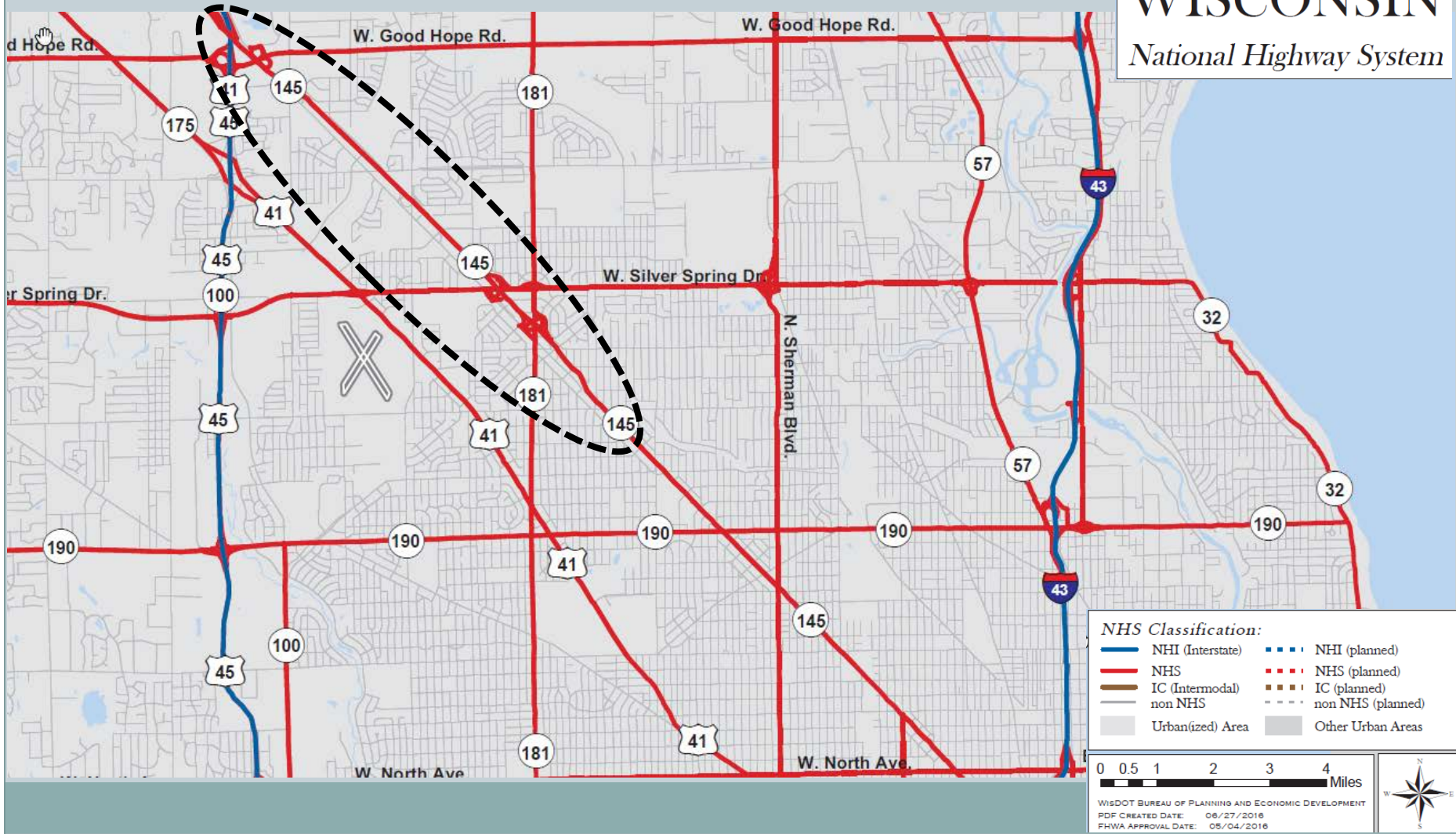
Functional Classification for 1360-13-00/70: ~ Silver Spring Dr. and 76th St. - Existing Principal Arterial



Roadway Classified as an NHS Route



WISCONSIN National Highway System







Identified as a Designated Long Truck Route



August 2017

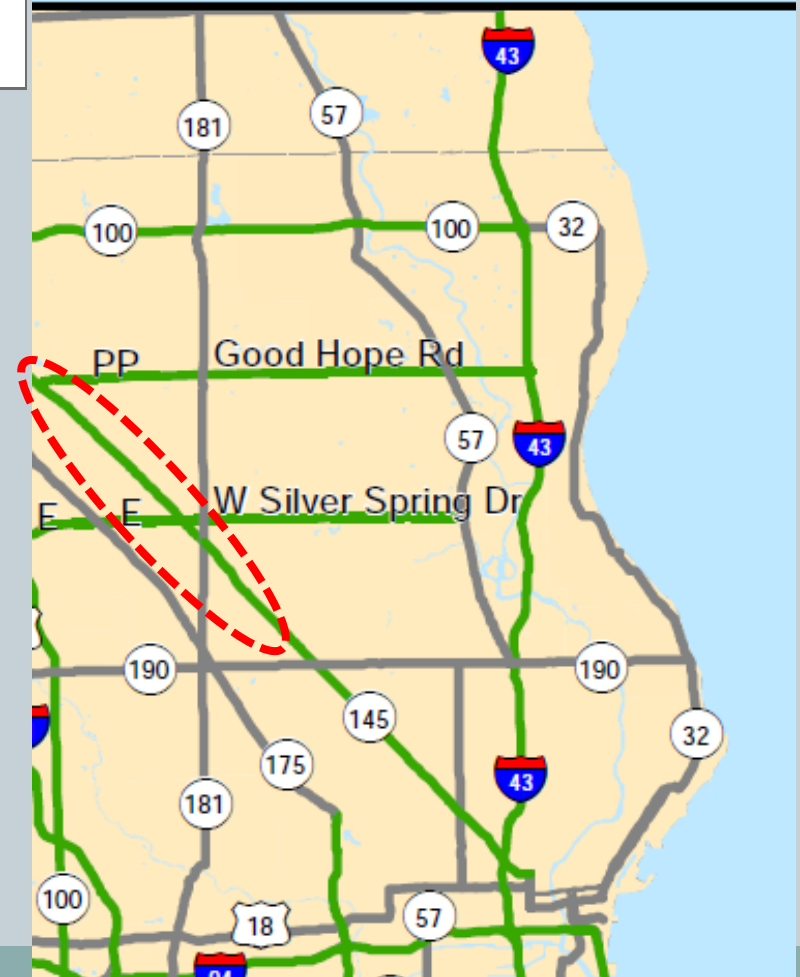
Wisconsin Long Truck Operators Map WisDOT SE Region

Designated Long Truck Routes identified in Trans 276.07

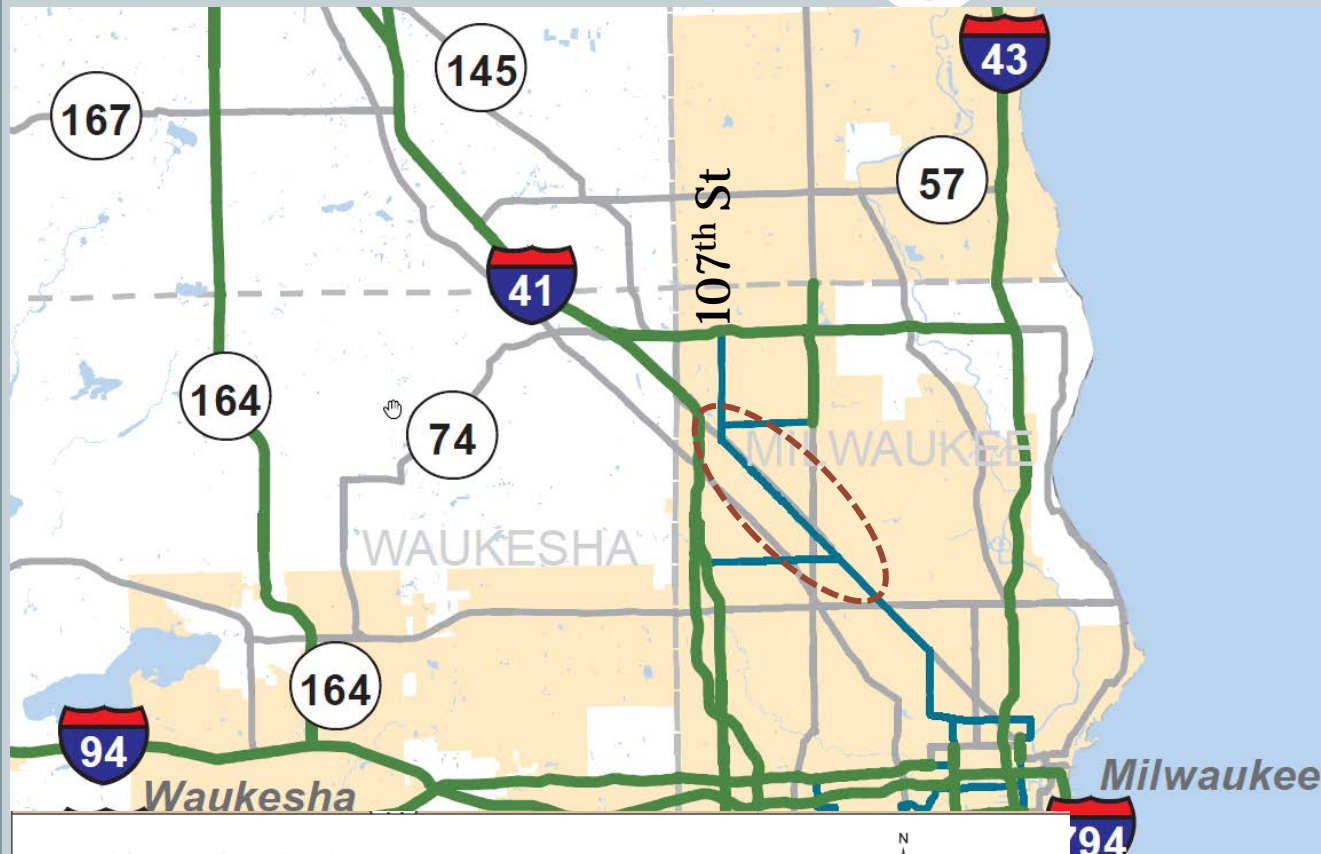
-  Designated Long Truck Route
-  65' Restricted Truck Route
48' semitrailer, no 53' semitrailers,
no double bottoms
-  Other State Highway
-  Rest Area



Milwaukee County Detail



NOT an Oversize/Overweight State Highway Fond Du Lac Ave. is a Local OSOW route



OSOW Freight Network - Designation Type

- State OSOW Route (IH, USH, STH)
- Local OSOW Route (Co. Hwy/Local Rd)
- Non-OSOW State Highway
- Interstate Highway
- Other Out of State Highway



0 2.5 5 10 15 20 Miles

Southeast Region

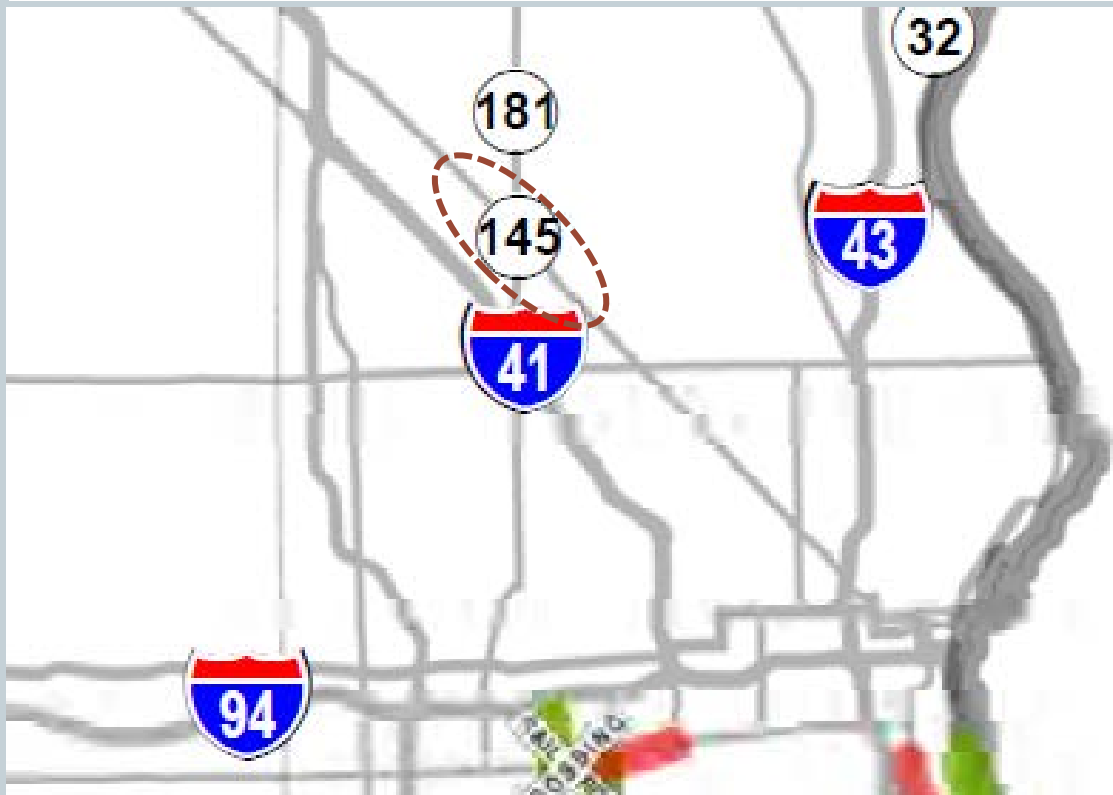
OSOW Truck Route

Data Current as of 3/23/2016













Not a Non-Oversize/Overweight High-Clearance Route

OSOW High Clearance Routes - SE Region



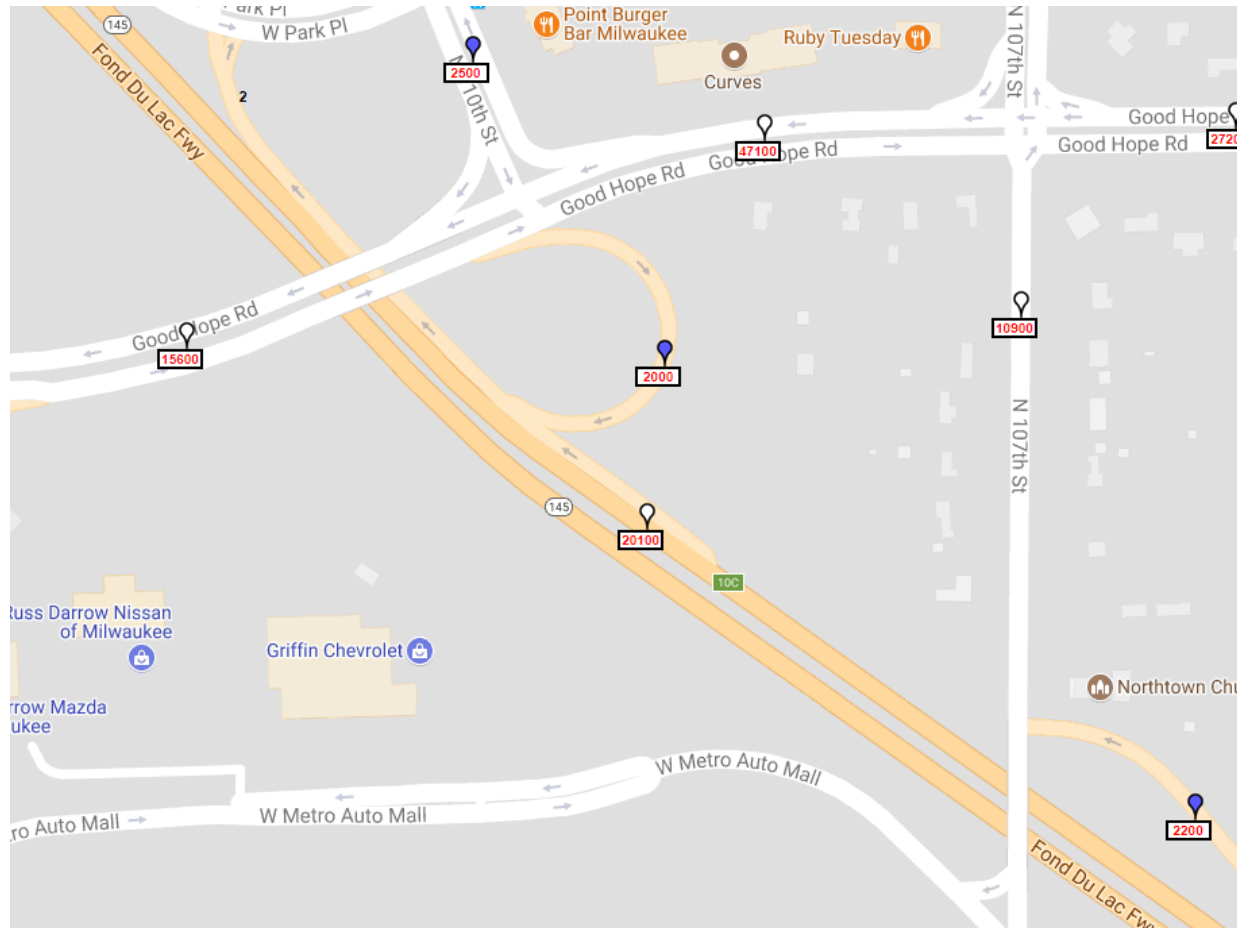
Symbol Legend

- | | |
|---|---|
|  High-Routes |  Bridge Structures |
|  Interstate Highway |  Sign Structures |
|  US Highway |  Railroad Crossings |
|  Wisconsin Highway |  Monotube Structures |
|  Connecting Highways |  Region Boundaries |

Traffic Volumes for ID: 1360-12-00



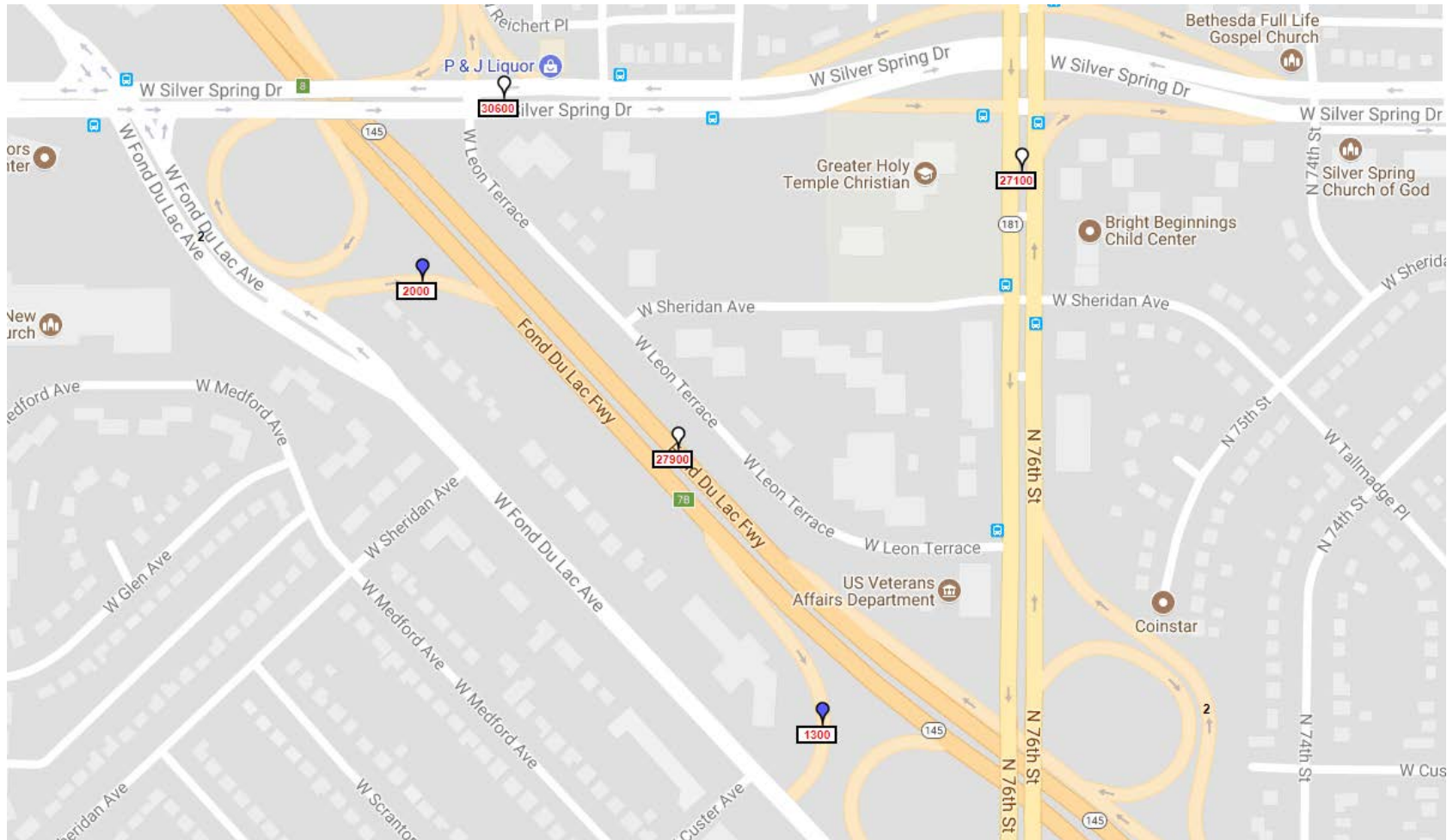
- Good Hope Rd. – 15600 AADT
- 107th St – 10900 AADT
- STH 145 – 20100 AADT



Traffic Volumes for ID: 1360-13-00



- Silver Spring Dr.—30600 AADT
- 76th St. – 27100 AADT
- STH 145 – 27900 AADT



STH 145 – Structure Existing Typical Sections



1360-12-00

- **B-40-0250 – W. Good Hope Road (EB) over STH 145**
 - 3 – 12' lanes, 2' shoulders = 40' clear roadway width
 - No bike lanes present
 - 6' sidewalk on south side of structure
- **B-40-0251 – W. Good Hope Road (WB) over STH 145**
 - 3 – 12' lanes (Does not meet clear roadway width of 40')
 - No bike lanes present
 - 6' sidewalk on north side of structure
- **B-40-0252 – 107th St. over STH 145**
 - 44' clear roadway width
 - 6' sidewalks present on both sides
 - No bike lanes present

1360-13-00

- **B-40-0253 – W. Silver Spring Dr. (EB) over STH 145**
 - 2 – 12' lanes (Does not meet clear roadway width of 40')
 - 6' sidewalk on south side of structure
 - Bike lanes present
- **B-40-0254 – W. Silver Spring Dr. (WB) over STH 145**
 - 2 – 12' lanes (Does not meet clear roadway width of 40')
 - 6' sidewalk on south side of structure
 - Bike lanes present
- **B-40-0255 – 76TH St. (STH 181) (SB) over STH 145**
 - 2 – 12' lanes (Does not meet clear roadway width of 40')
 - 6' sidewalk on south side of structure
 - No bike lanes present
- **B-40-0256 – 76TH St. (STH 181) (NB) over STH 145**
 - 2 – 12' lanes (Does not meet clear roadway width of 40')
 - 6' sidewalk on south side of structure
 - No bike lanes present
- **B-40-0297 – Pedestrian Bridge over STH 145 connecting W. 84th St.**
 - 8' walkway
- **B-40-0298 – Pedestrian Bridge over STH 145 by W. Sheridan Ave.**
 - 8' walkway

****Exceptions to standards will be pursued for clear roadway width. Widening of the structures would result in extensive substructure work and would likely trigger scope being changed to structure replacements.**

STH 145 – Structure Vertical Clearances

FDM 11-35 Attachment 1.8 Minimum Vertical Clearance for New Bridges and Replacement Bridges

1360-12-00

- B-40-0250 – W. Good Hope Road (EB) over STH 145
 - **Existing VC: 14.45'**
- B-40-0251 – W. Good Hope Road (WB) over STH 145
 - **Existing VC: 15.84'**
- B-40-0252 – 107th St. over STH 145
 - **Existing VC: 14.46'**

1360-13-00

- B-40-0253 – W. Silver Spring Dr. (EB) over STH 145
 - **Existing VC: 15.26'**
- B-40-0254 – W. Silver Spring Dr. (WB) over STH 145
 - **Existing VC: 14.83'**
- B-40-0255 – 76TH St. (STH 181) (SB) over STH 145
 - **Existing VC: 14.93'**
- B-40-0256 – 76TH St. (STH 181) (NB) over STH 145
 - **Existing VC: 16.24'**
- B-40-0297 – Pedestrian Bridge over STH 145 connecting W. 84th St.
 - **Existing VC: 14.69'**
- B-40-0298 – Pedestrian Bridge over STH 145 by W. Sheridan Ave.
 - **Existing VC: 14.75'**

Vertical Clearance for Construction of New Bridges, Replacement Bridges, and Bridges on which the Superstructure is being replaced¹

Overpass Facility →	Freeway, Expressway, or STH		Railroad ⁴ , CTH, Town Road, Local Road, or Street	Pedestrian or Shared-use Structures	Sign Structures ²
Underpass Facility ↓	Interchange	Grade Separation			
Non-arterial either STH, CTH, Town Road, Local Road, or Street	15'-9" Desirable	15'-3" Desirable	16'-9" Desirable	16'-9" Desirable	18'-3" Minimum
	15'-3" Minimum	14'-9" Minimum			
Arterial either CTH, Town Road, Local Road, or Street (excludes freeway and expressway; also excludes arterial STH)	16'-9" Desirable	15'-3" Desirable	17'-9" Desirable	17'-3" Desirable	
	16'-3" Minimum	14'-9" Minimum			
Freeway ³ or Expressway or arterial STH	16'-9" Desirable		17'-9" Desirable		
	16'-4" Minimum		17'-4" Minimum		
Railroad ^{4,5,6,7}	23'-0" Minimum to 23'-3½" Maximum				

Overpass Facility →	Freeway, Expressway, or STH		Railroad ⁴ , CTH, Town Road, Local Road, or Street	Pedestrian or Shared-use Structures	Sign Structures ⁶
Underpass Facility ↓	Interchange	Grade Separation			
Non-arterial either STH, CTH, Town Road, Local Road, or Street	15'-3" min. or ES ³	If existing is < 14'-0" then increase to 14'-0" min. or ES ³	16'-3" min. or ES ³	17'-0" min. or ES ³	18'-0" min. or ES ³ for existing sign structures on new construction projects or reconstruction projects;
		If existing is ≥ 14'-0", but < 14'-6" then maintain existing min. or ES ³			
		If existing is ≥ 14'-6" then 14'-6" min. or ES ³			
Arterial either CTH, Town Road, Local Road, or Street (excludes freeway and expressway; also excludes arterial STH)	If existing is < 15'-3" then increase to 15'-3" min. or ES ³ If existing is ≥ 15'-3", but < 16'-0" then maintain existing min. or ES ³ If existing is ≥ 16' 0" then 16' 0" min. or ES ³	If existing is < 14'-0" then increase to 14'-0" min. or ES ³	17'-0" min. or ES ³	17'-0" or ES ³ for existing sign structures on 3R projects	
		If existing is ≥ 14'-0", but < 14'-6" then maintain existing min. or ES ³			
		If existing is ≥ 14'-6" then 14'-6" min. or ES ³			
Arterial STH (excludes freeway and expressway)	If existing is < 15'-3" then increase to 15'-3" min. or ES ³ If existing is ≥ 15'-3", but < 16'-0" then maintain existing min. or ES ³ If existing is ≥ 16' 0" then 16' 0" min. or ES ³	If existing is < 14'-0" then increase to 14'-0" min. or ES ³	17'-0" min. or ES ³		
		If existing is ≥ 14'-0", but < 16'-0" then maintain existing min. or ES ³			
		If existing is ≥ 16' 0" then 16' 0" min. or ES ³			
Freeway ⁴ or Expressway	16'-0" min. or ES ³				
Railroad ⁵	Railroads and Harbors Section to determine the adequacy of the existing clearance.				



STH 145 – REAL ESTATE

- Currently, no Real Estate is anticipated for either of these projects. However, if Exception to Standards is not granted, Real Estate may need to be acquired.

Reasons to pursue exception to standards

- Impacts to adjacent intersections
- Impacts to local business's
- Real Estate
- Longer construction period
- Increased roadway/bridge costs

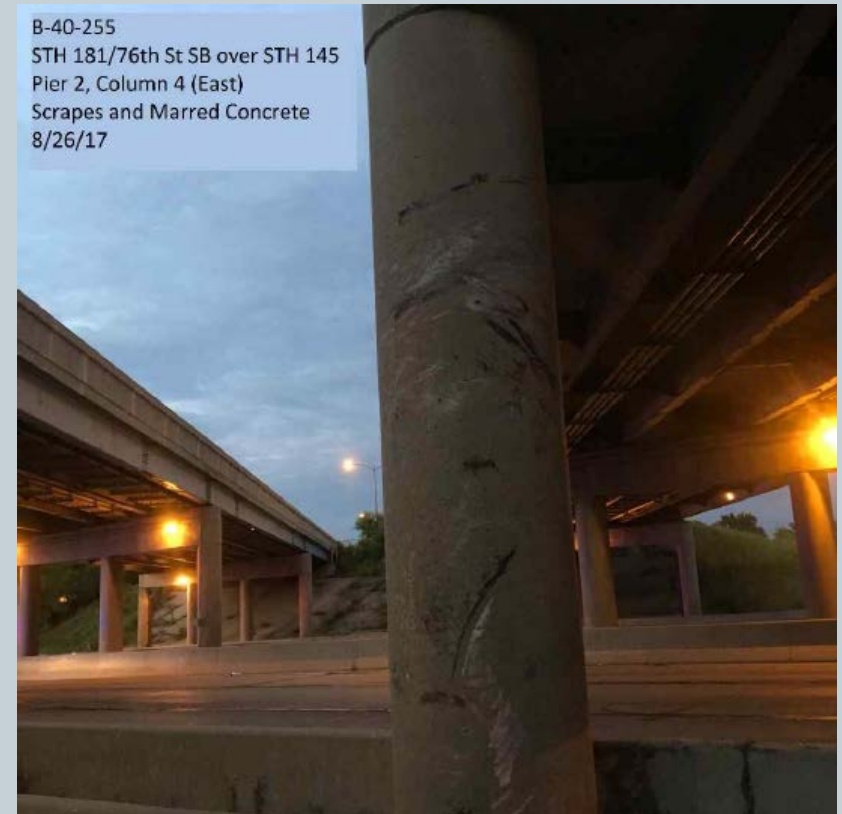


Crash Data

No bridge hits except for B-40-0255 – 76th St. (STH 181) SB over STH 145

12/13/16

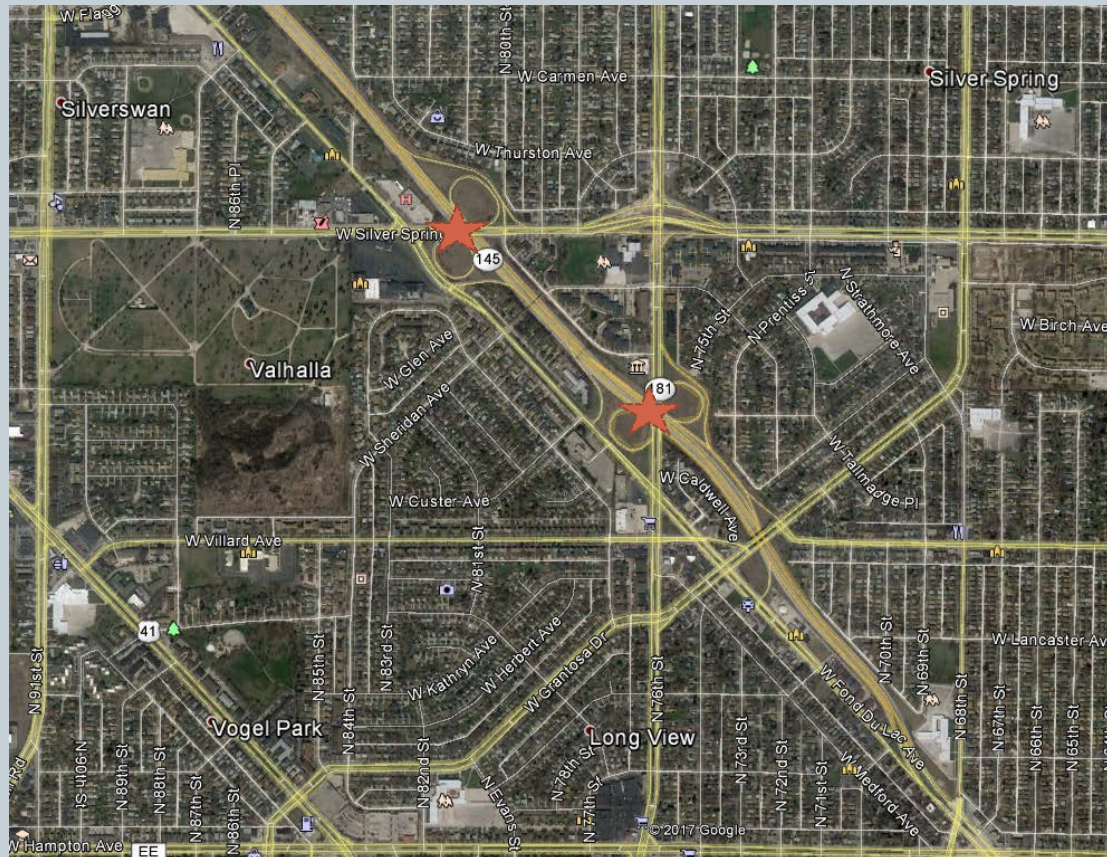
8/26/2017



Conceptual Traffic Management Plan (TMP)



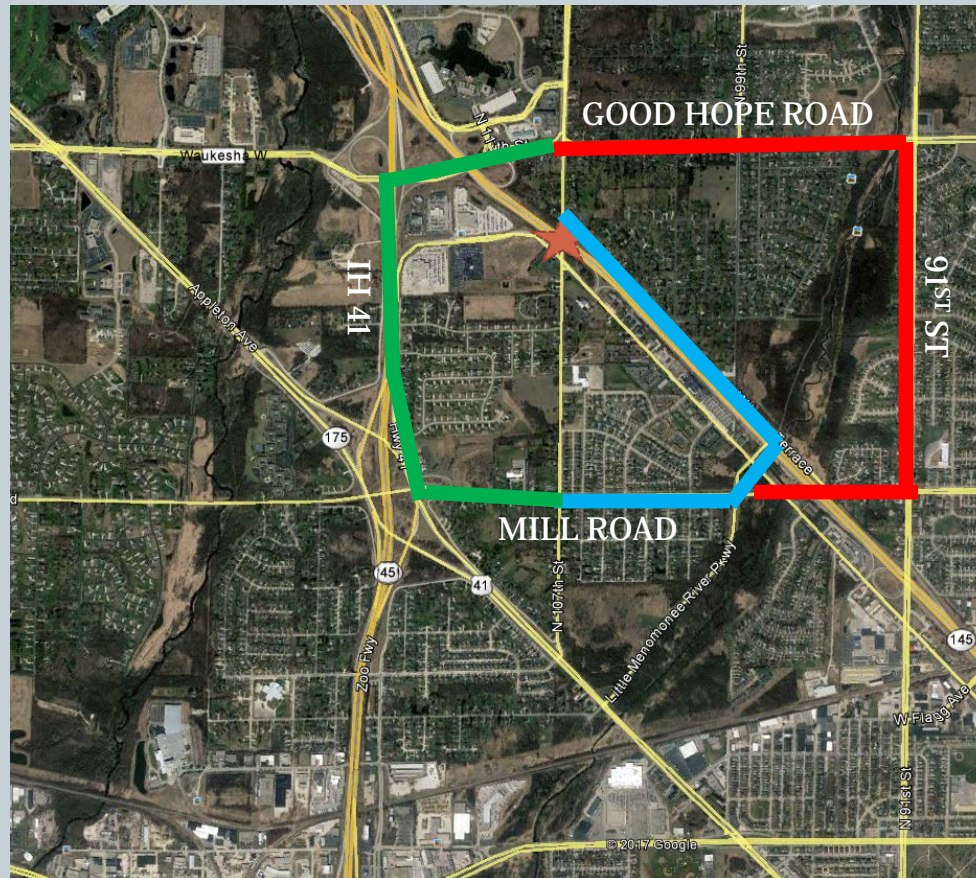
- TMP Options for 1360-13-00
 1. Full closure for Silver Spring Dr. and divert traffic to 76th St. or Grantosa Dr. and vice versa
 2. Re-deck structure one half at a time and keep traffic open in one direction (Example for 76th St: Re-deck NB, detour NB traffic and keep SB traffic open)



Conceptual Traffic Management Plan (TMP)

107th St. – Full closure

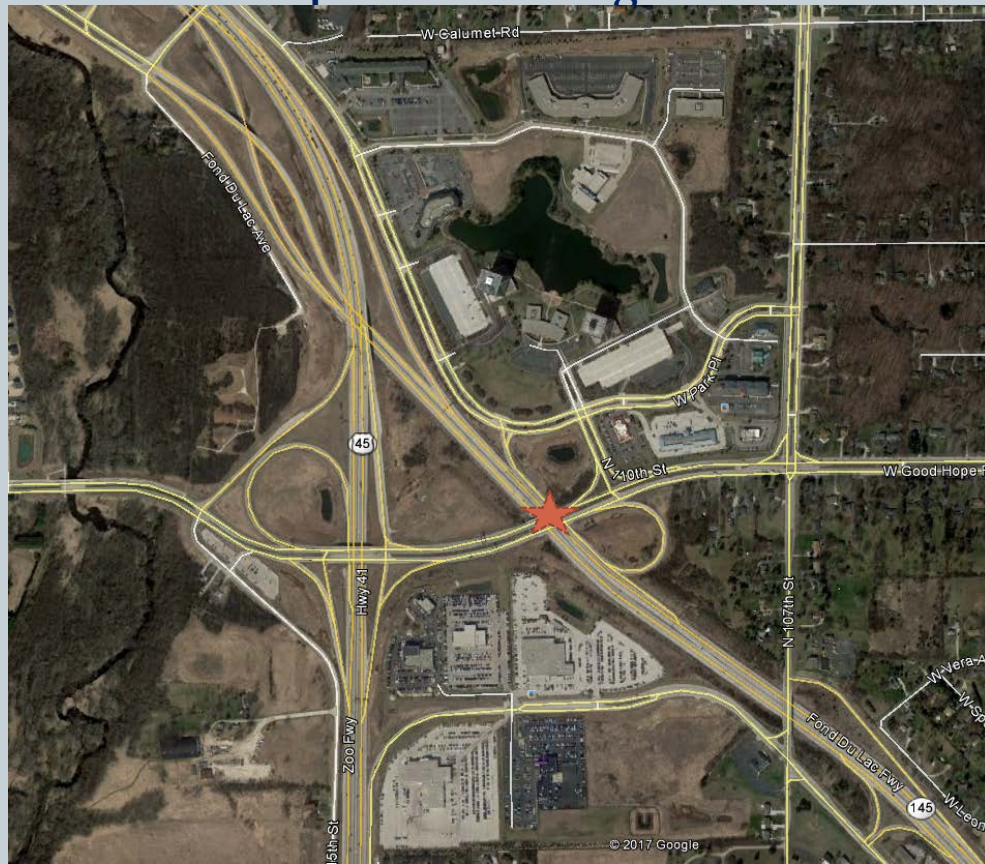
- Possible detours
 - IH 41, Little Menomonee River Parkway, 91st St



Conceptual Traffic Management Plan (TMP)



- TMP Options for Good Hope Road
 1. Re-deck structure one half at a time and keep traffic open in one direction
 2. Re-deck structure one half at a time and keep traffic open one lane in each direction (crossovers)
- **Ramp closures expected for either option. Further TMP analysis needed due to number of complex interchanges in area.**



Utilities - Trans 220 – 1360-12-00



- Utilities that have responded and **do** have facilities within project limits:
 - AT&T WI
 - Charter Communications
 - City of Milwaukee – Electric/Sewer/Water
 - Level 3 Communications
 - Midwest Fiber Networks
 - WisDOT Street Lighting
 - WE Energies – Gas/Electric
- Utilities that have responded and **do not** have facilities within project limits:
 - Milwaukee County DPW – Road Facility
 - PaeTEC
 - Windstream KDL/NTI, LLC
- Utilities that have not responded yet:
 - MMSD
 - WisDOT - Communication Line
 - WisDOT - Signals
 - West Shore Pipeline

Utilities - Trans 220 – 1360-13-00



- Utilities that have responded and **do** have facilities within project limits:
 - AT&T
 - City of Milwaukee – Street Lighting/Sewer/Water
 - MMSD
 - PaeTEC
 - TCA
 - Time Warner Cable
 - Windstream
 - WisDOT Lighting
- Utilities that have responded and **do not** have facilities within project limits:
 - Milwaukee County DPW – Road Facility
 - Sprint
 - TDS Metrocom
 - West Shore Pipeline
- Utilities that have not responded yet:
 - AT&T Mobility
 - ATC
 - City of Wauwatosa
 - Level 3 Communications
 - Milwaukee County Parks
 - Timmerman Airport
 - WE Energies
 - WisDOT ATR
 - WisDOT Signals

Utilities on structures



1360-12-00

- **B-40-0250 – W. Good Hope Road (EB) over STH 145**
 - No utilities on structure
- **B-40-0251 – W. Good Hope Road (WB) over STH 145**
 - No utilities on structure
- **B-40-0252 – 107th St. over STH 145**
 - Two utilities on structure
 - ATT
 - Other unknown at this time
- **DOT policy is to not allow utilities to remain on structures for deck replacements and structure replacements unless a hardship is determined**
- **Any Other utilities located on/within structures that are known?**

1360-13-00

- **B-40-0253 – W. Silver Spring Dr. (EB) over STH 145**
 - 1 utility on structure - unknown
- **B-40-0254 – W. Silver Spring Dr. (WB) over STH 145**
 - Two utilities on structure - unknown
- **B-40-0255 – 76TH St. (STH 181) (SB) over STH 145**
 - WE Energies
 - Other unknown at this time
- **B-40-0256 – 76TH St. (STH 181) (NB) over STH 145**
 - Two utilities on structure
 - Windstream/PaeTEC
 - Other unknown at this time
- **B-40-0297 – Pedestrian Bridge over STH 145 connecting W. 84th St.**
 - None
- **B-40-0298 – Pedestrian Bridge over STH 145 by W. Sheridan Ave.**
 - None

Environmental



- Anticipate a Categorical Exclusion Checklist (CEC)
- DNR Coordination with Kristina Betzold
 - ❖ DNR Initial Review Letter Request will be sent out soon
- USFWS Coordination
 - ❖ IPaC and Official Species List to be generated
 - ❖ Final Coordination – need DNR Initial Review Letter before submittal
- Section 106
 - ❖ Applying for Screening List
- Hazardous Materials /Asbestos Report
 - ❖ Phase I initiated
 - ❖ Asbestos Investigation was scheduled and we are waiting for report.
- Tribal Notification
 - ❖ Letters sent October 9th, 2017
 - ❖ 1 response received for 1360-12-70
- Wetland Delineation
 - ❖ Field work to be completed next year.



Full Project Schedule

- OPM – Today
- Survey Data Final Delivery – June 2018
- **PIM 1 – November 2018 (LOM 1 – two weeks prior)**
- 30% Plan Meeting – January 2019
- Environmental Document – June 2019
- **PIM 2 – Spring 2019 (LOM 2 – two weeks prior)**
- 60% Meeting – November 2019
- DSR – February 2020
- DT 1078 Start – May 2020
- PS&E – May 2023
- LET – September 2023

Thank-You for Coming



- Are there any other Questions or Concerns?



LOCATION MAP (MILWAUKEE COUNTY)

