WIS 22/WIS 60/US 51 Intersection Improvement Project

6020-00-00/70
US 51
Deforest - Portage
WIS 22/WIS 60 Intersection
Columbia County

Public Involvement Meeting
December 12th, 2017

Agenda

- Introductions
- Project History
- Proposed Roundabout
- Frequently Asked Questions
- Construction Staging
- Schedule
- Questions

Introductions

WisDOT Project Development Supervisor

- William Strobel, PE

WisDOT Project Manager

- Lalitha Balachandran, PE

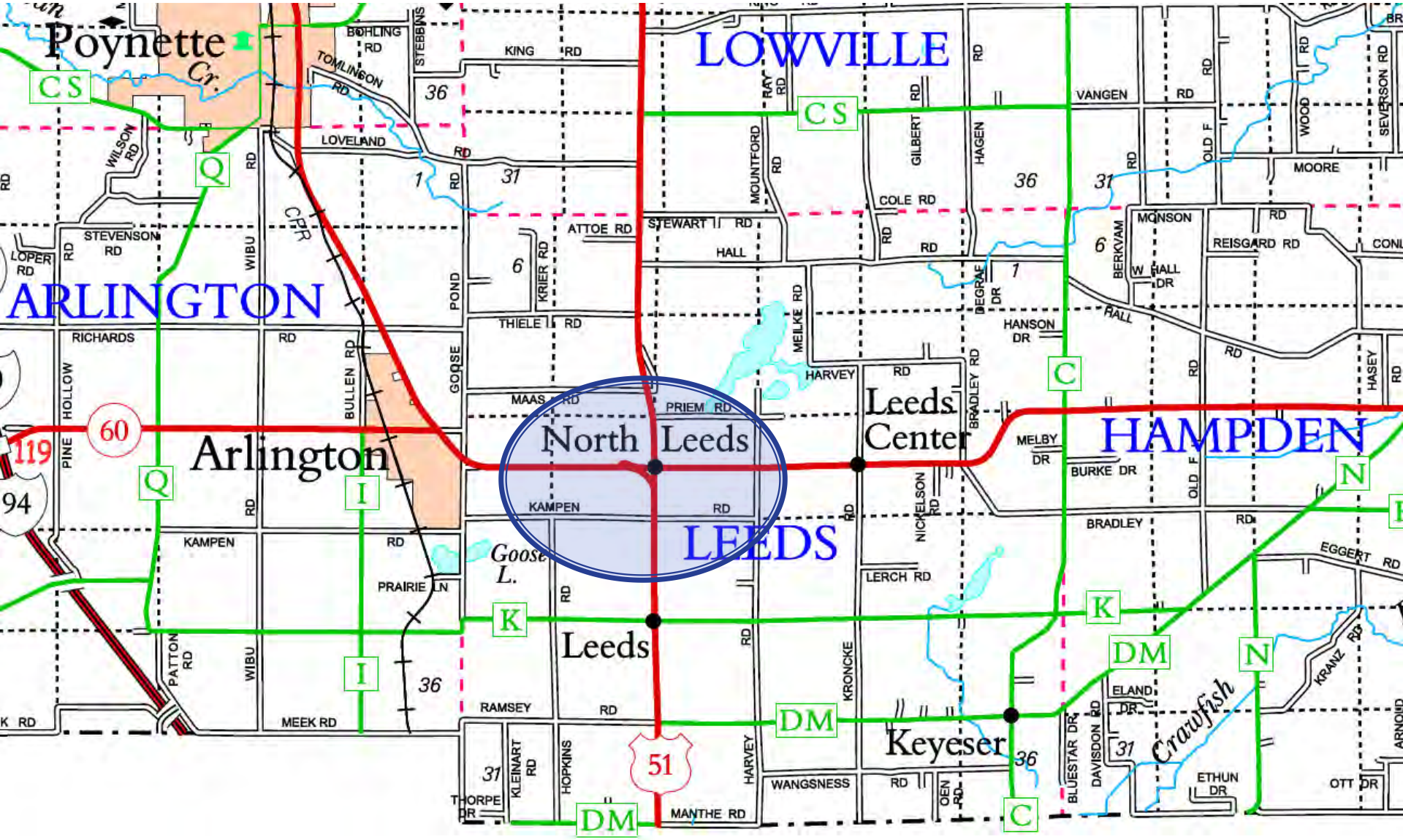
WisDOT Project Leader

- Greg Payne, PE

Project Reviewer

- Ben Wilkinson, PE – MSA

Project Location



Project Aerial

Project Need - Safety

Intersection Crashes 2011-2015

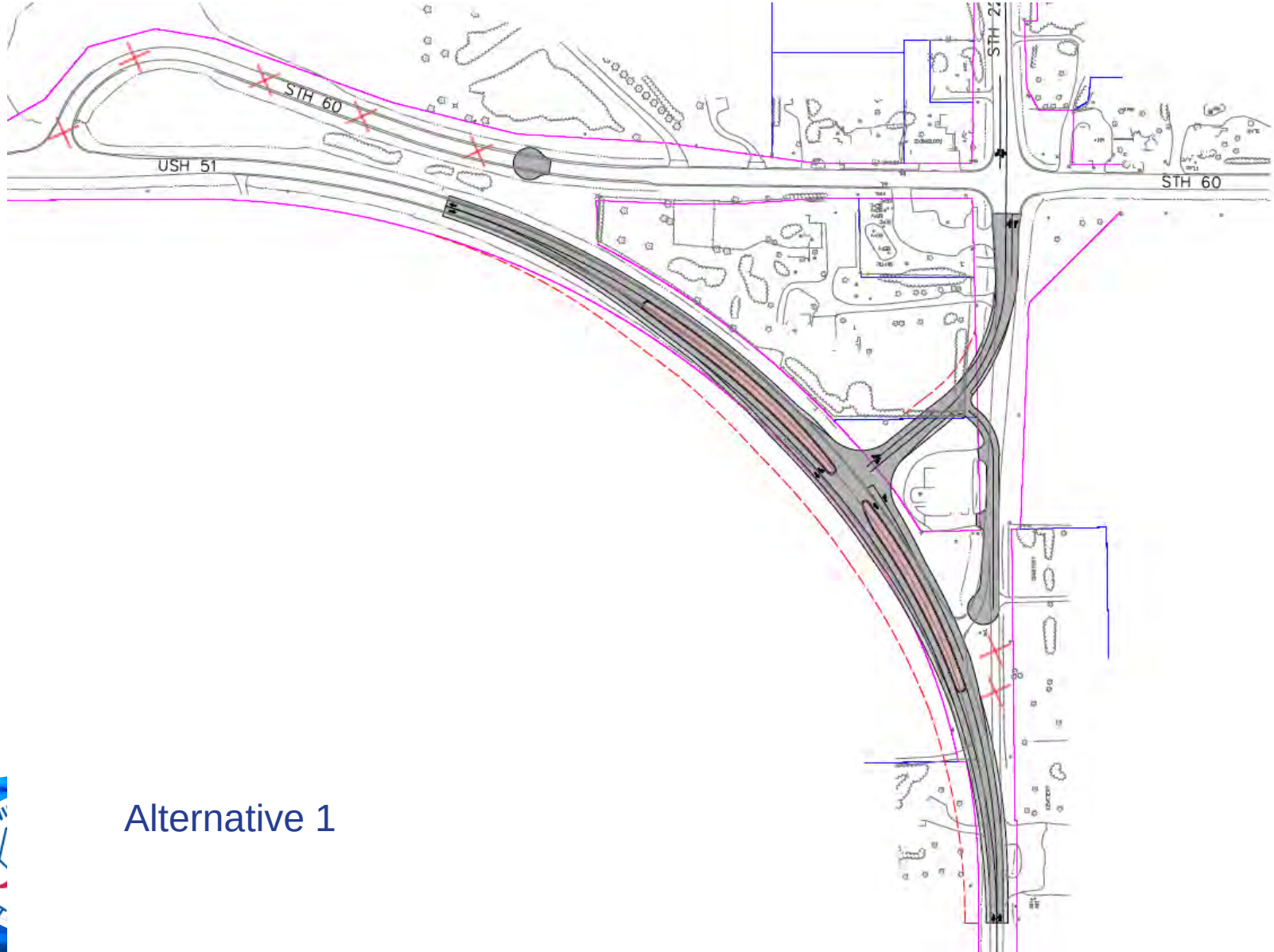
Crash Severity	Number of Crashes
Fatal	2
Injury	17
Property Damage	20
Total	**39**

Type of Crash	Number of Crashes
Head-On	3
Angle (T-bone)	21
Rear End	10
Fixed Object	5
Total	**39**

Project History

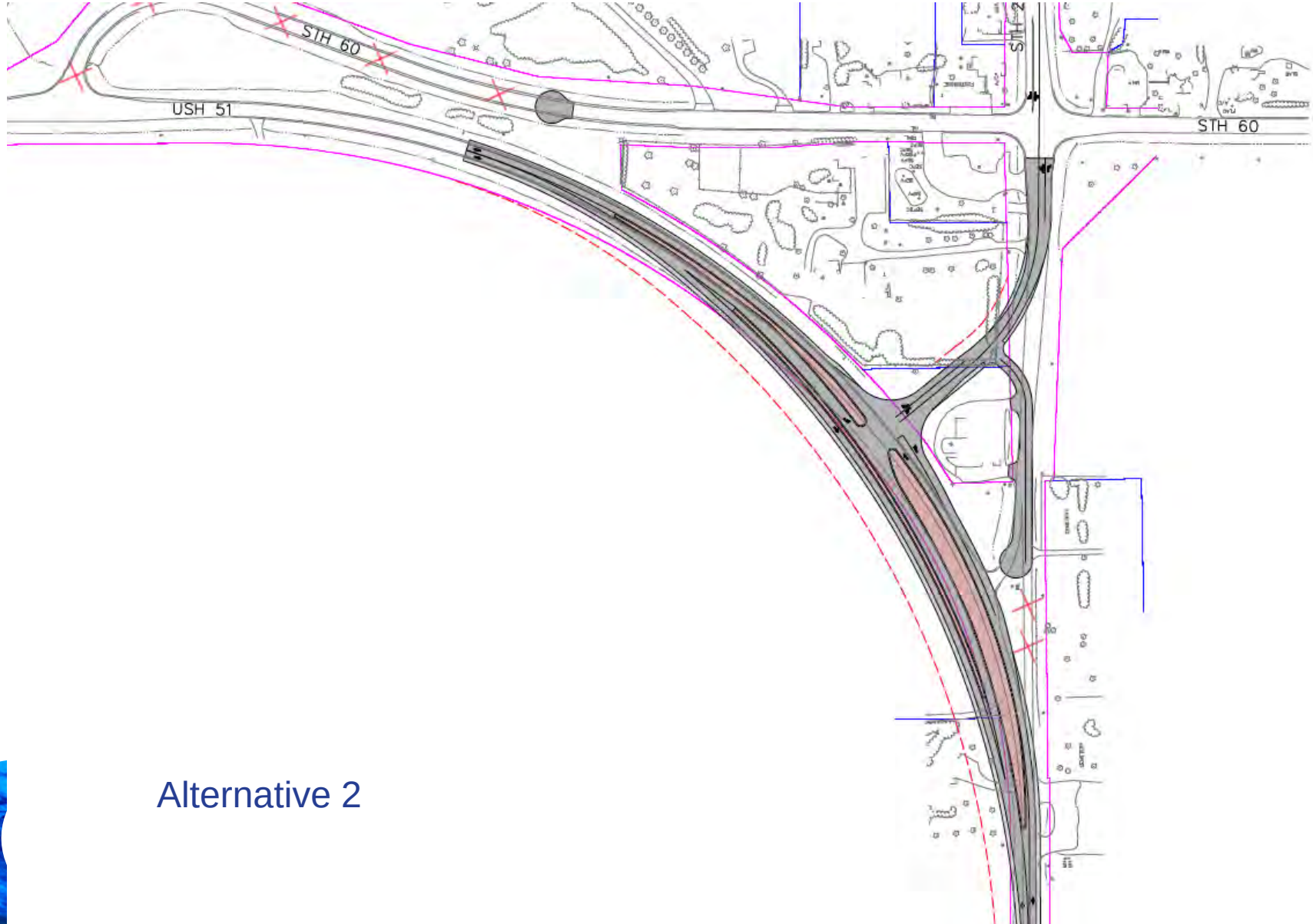
- Safety concern led to an Intersection Control Evaluation of the intersections
- In early 2015 WisDOT consulted Short Elliot Hendrickson (SEH) to perform the evaluation
  - Analyzed existing intersection
  - Proposed 5 alternatives to improve the intersection
- On December 16th, 2015 a local official and public involvement meeting were held

Alternatives Considered



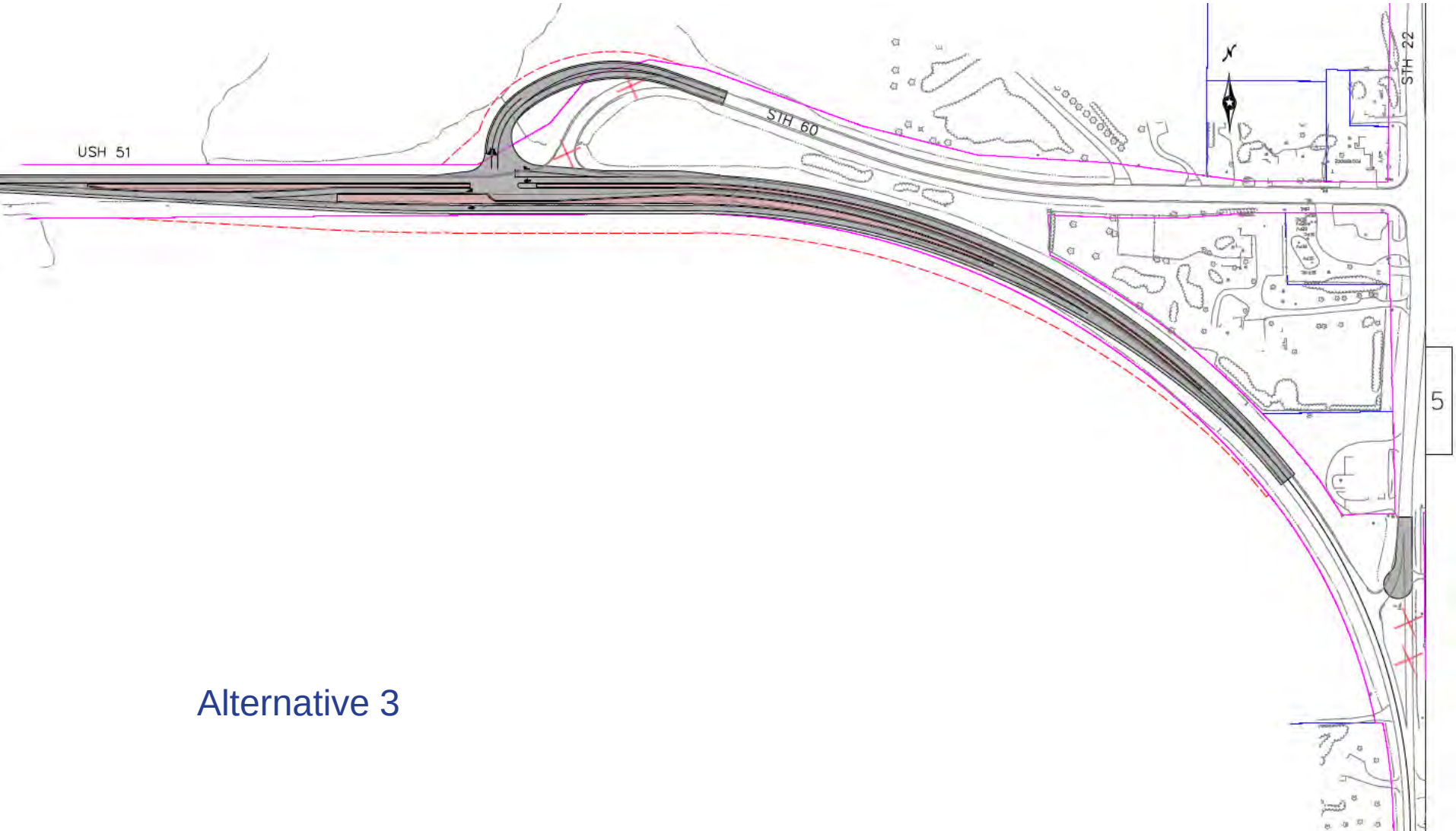
Alternative 1

Alternatives Considered



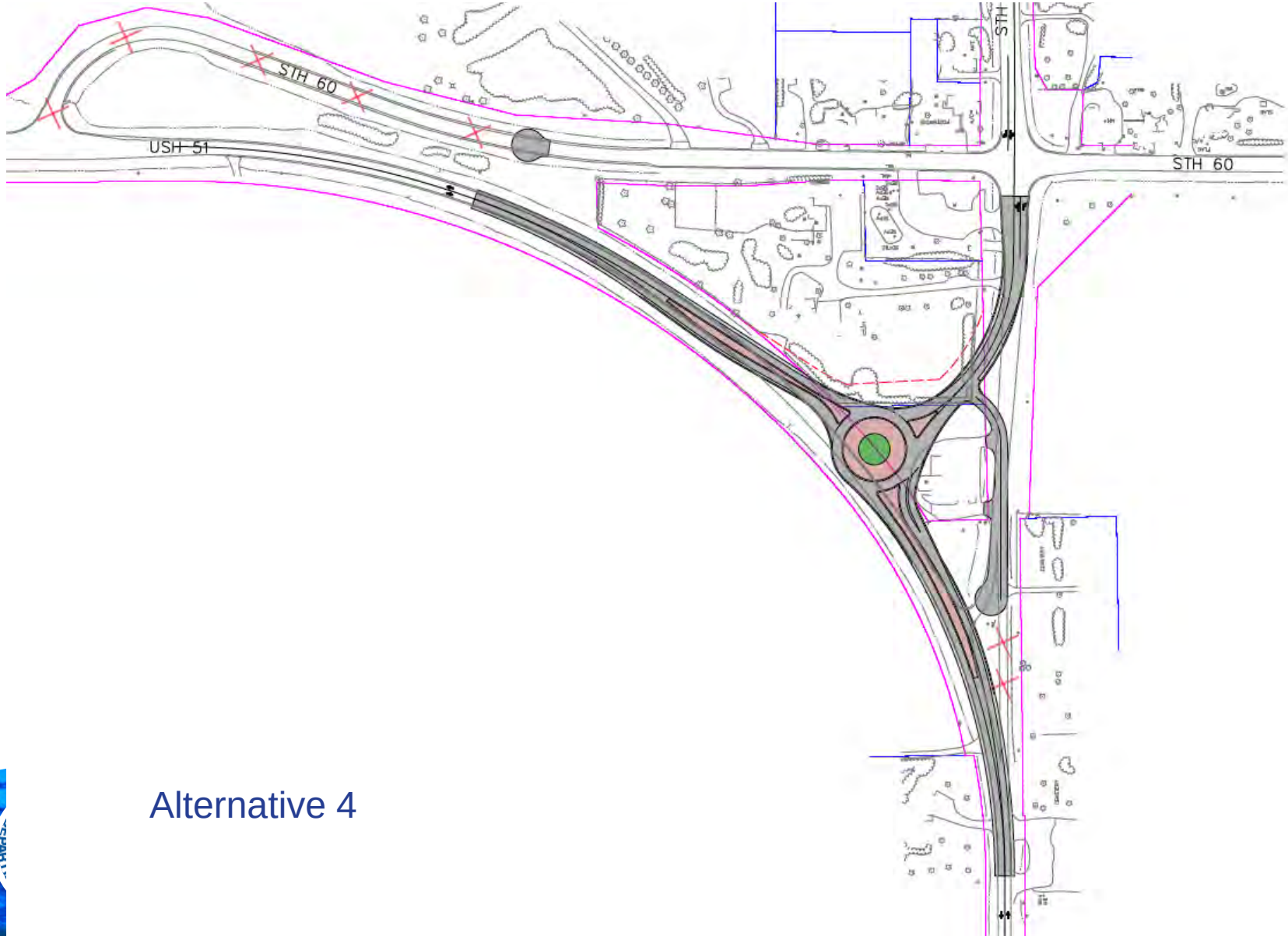
Alternative 2

Alternatives Considered



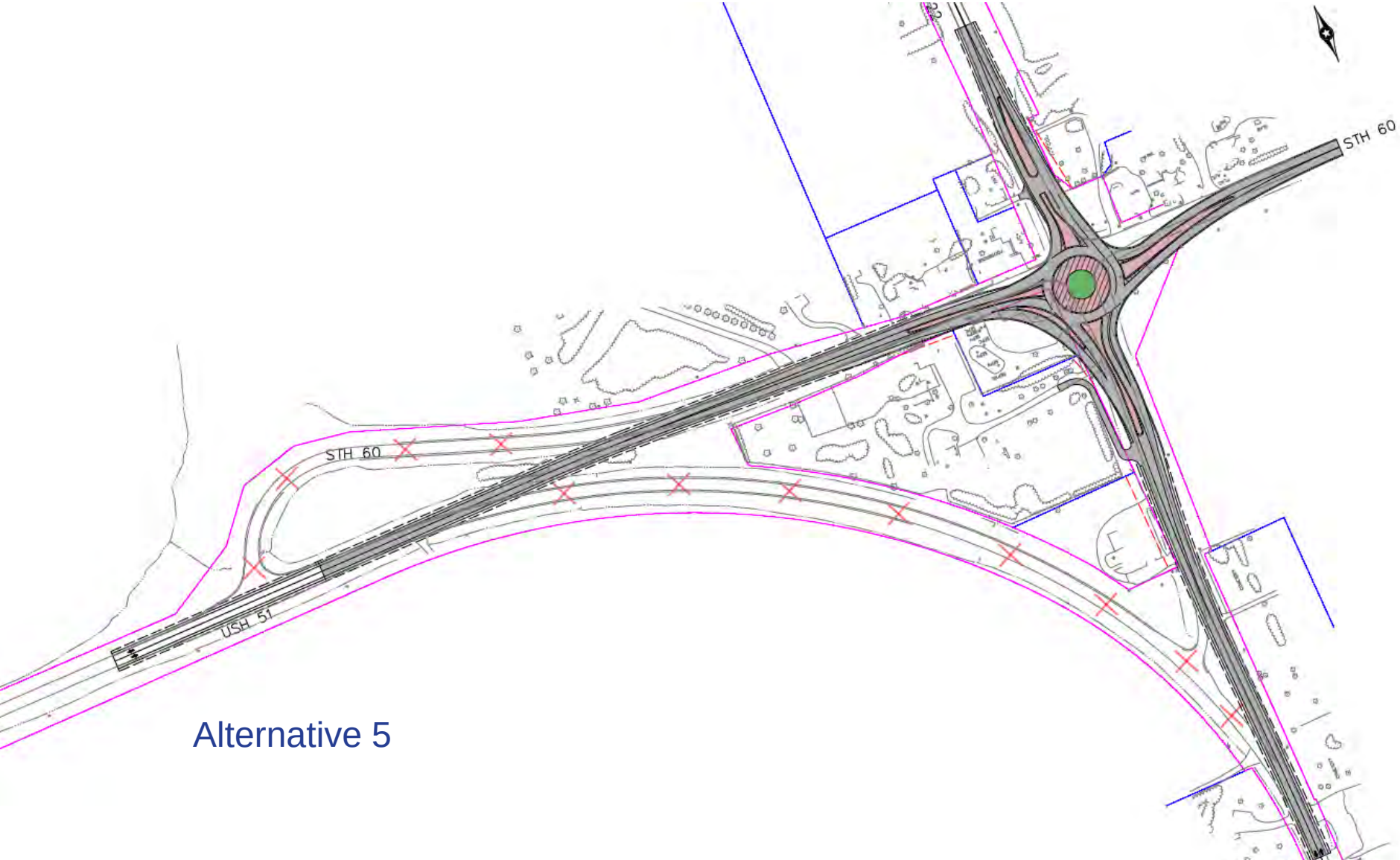
Alternative 3

Alternatives Considered



Alternative 4

Alternatives Considered



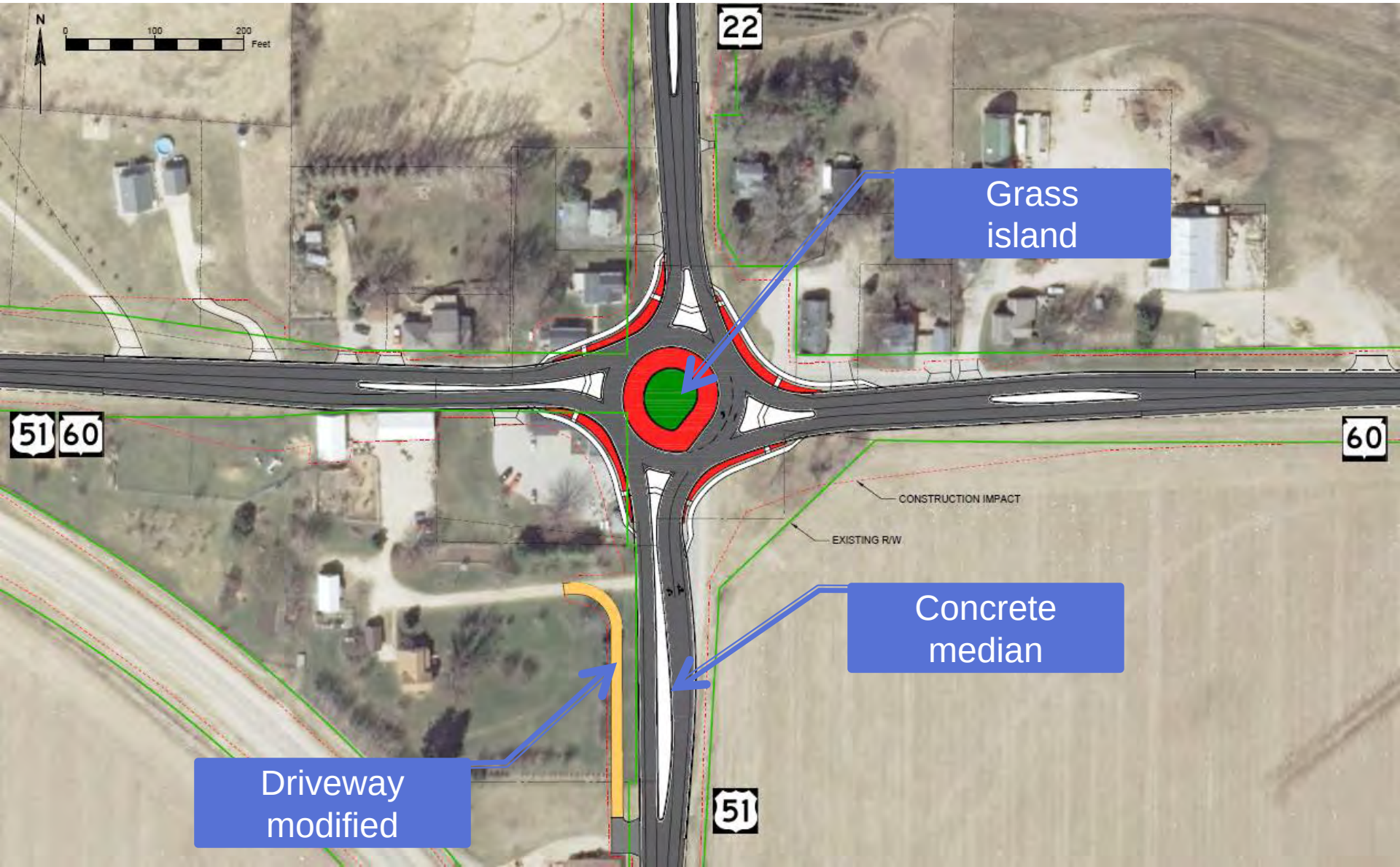
Alternative 5

Project History

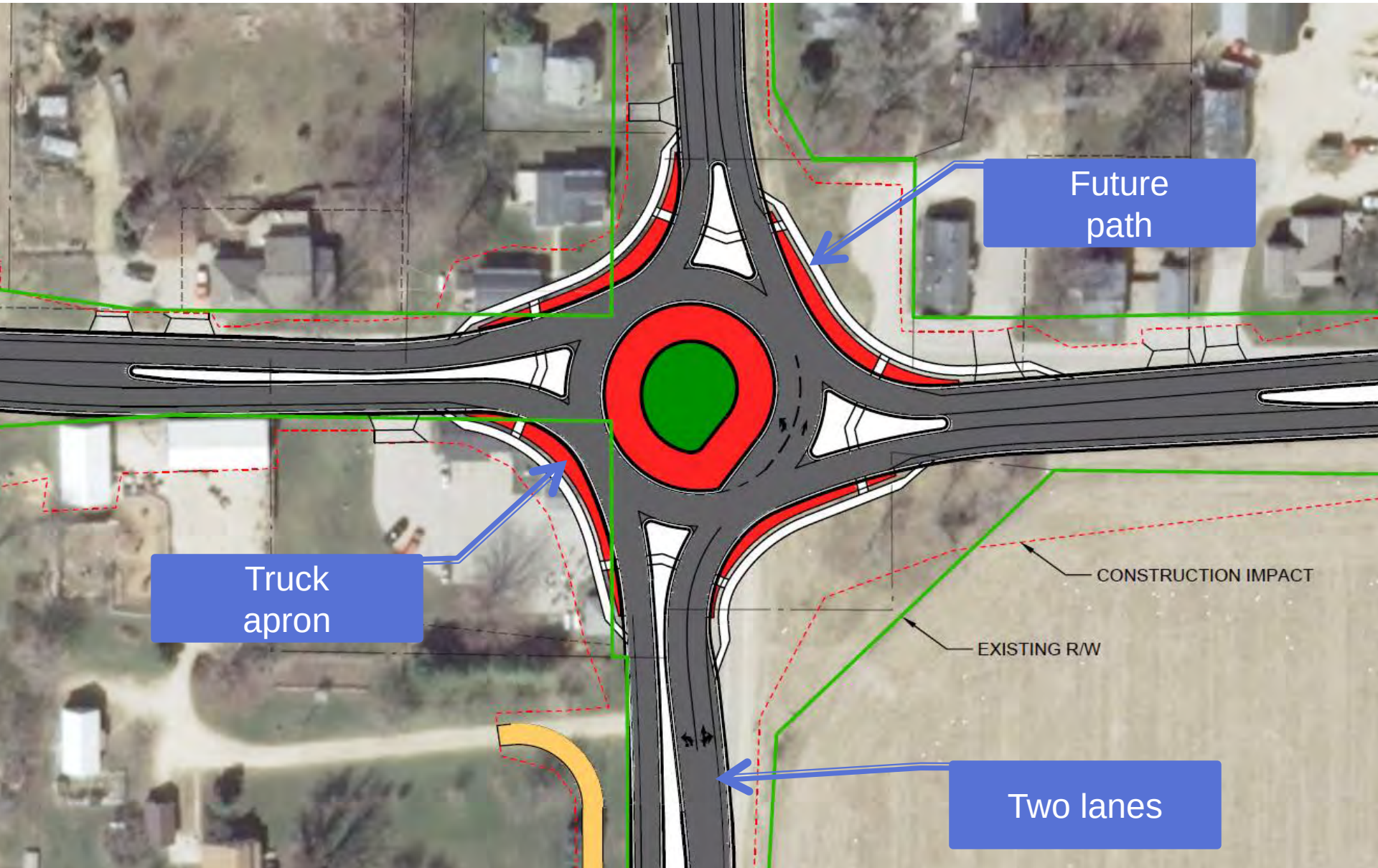
- Alternative #5 most supported alternative
  - Most supported from Local Officials
  - Most supported from Property Owners
  - Most supported from Freight industry
  - Reduces 3 intersections down to 1
- In 2016 WisDOT applied for funding through the Highway Safety Improvement Program and funding was approved
- In 2017 my team began working on the design

Proposed Roundabout

Proposed Roundabout



Proposed Roundabout



Frequently Asked Questions

- Can the roundabout handle large trucks and farm equipment?

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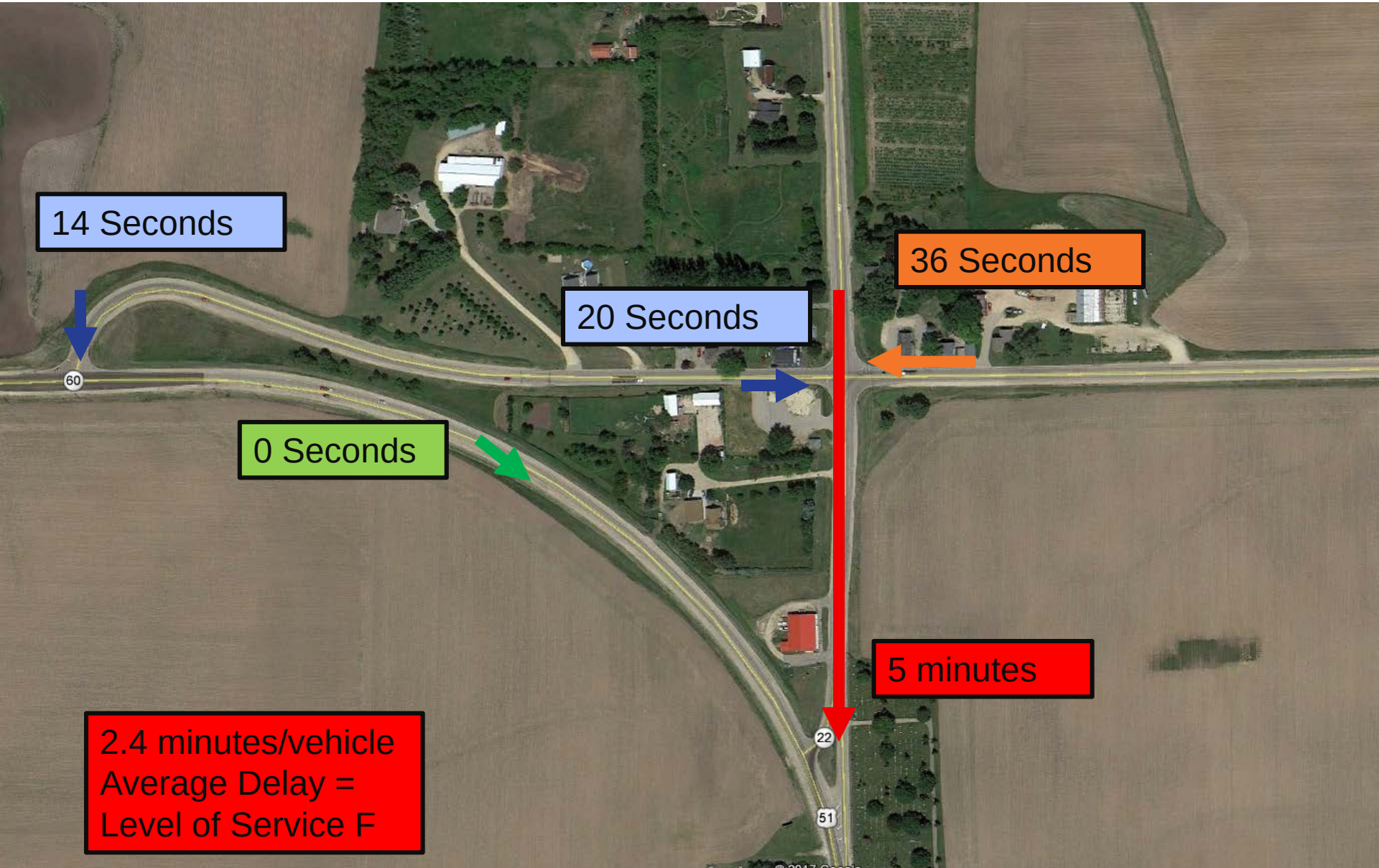
- Can the roundabout handle all of US 51 and WIS 22 traffic?

Level of Service	Delay (S)	Description
A	<10	Very Short Delays
B	10-20	Short Delays
C	21-35	Minimal Delays
D	36-55	Delays
E	56-80	Significant Delays
F	>80	Considerable Delays

What is my delay in 2042 AM?



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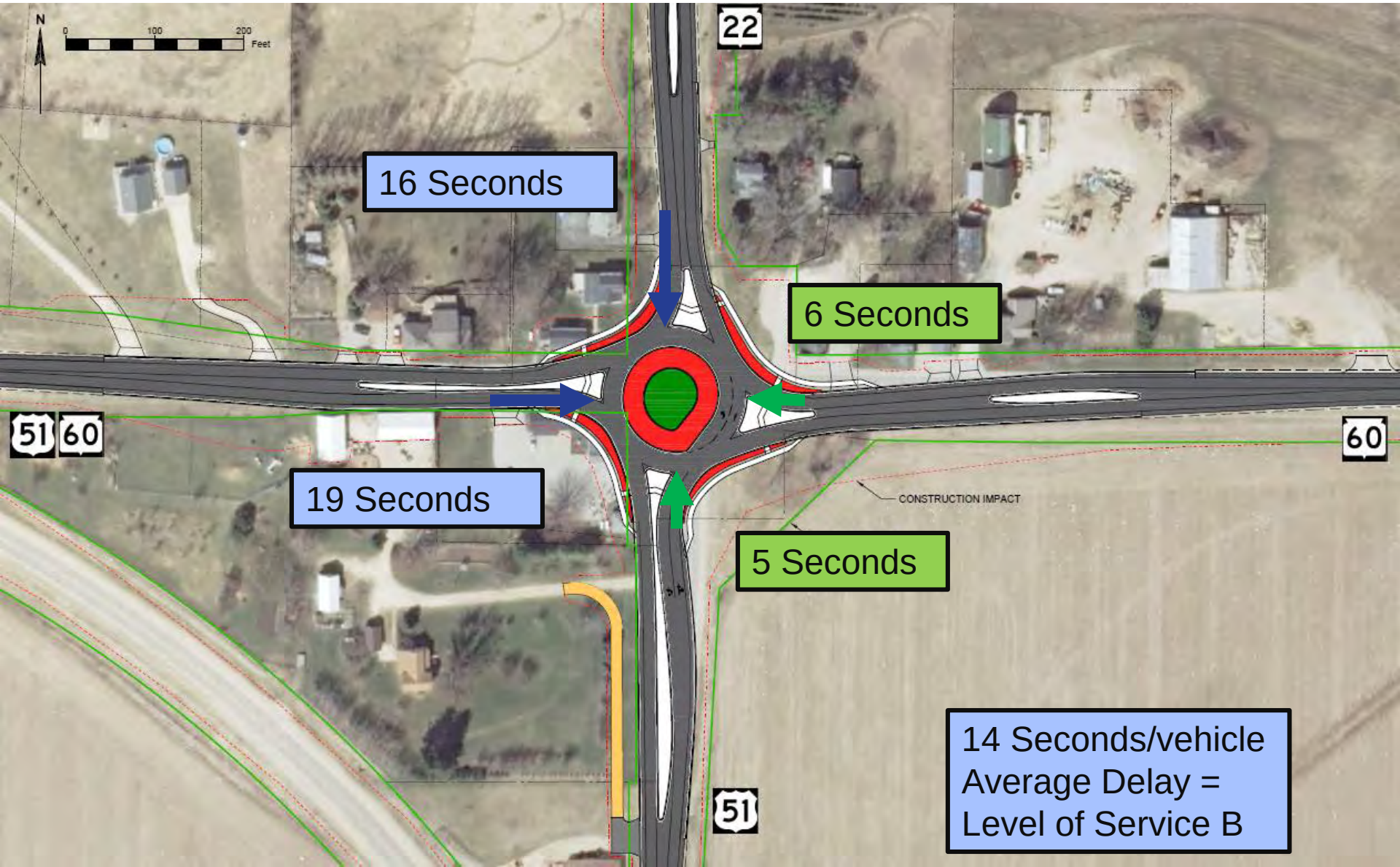
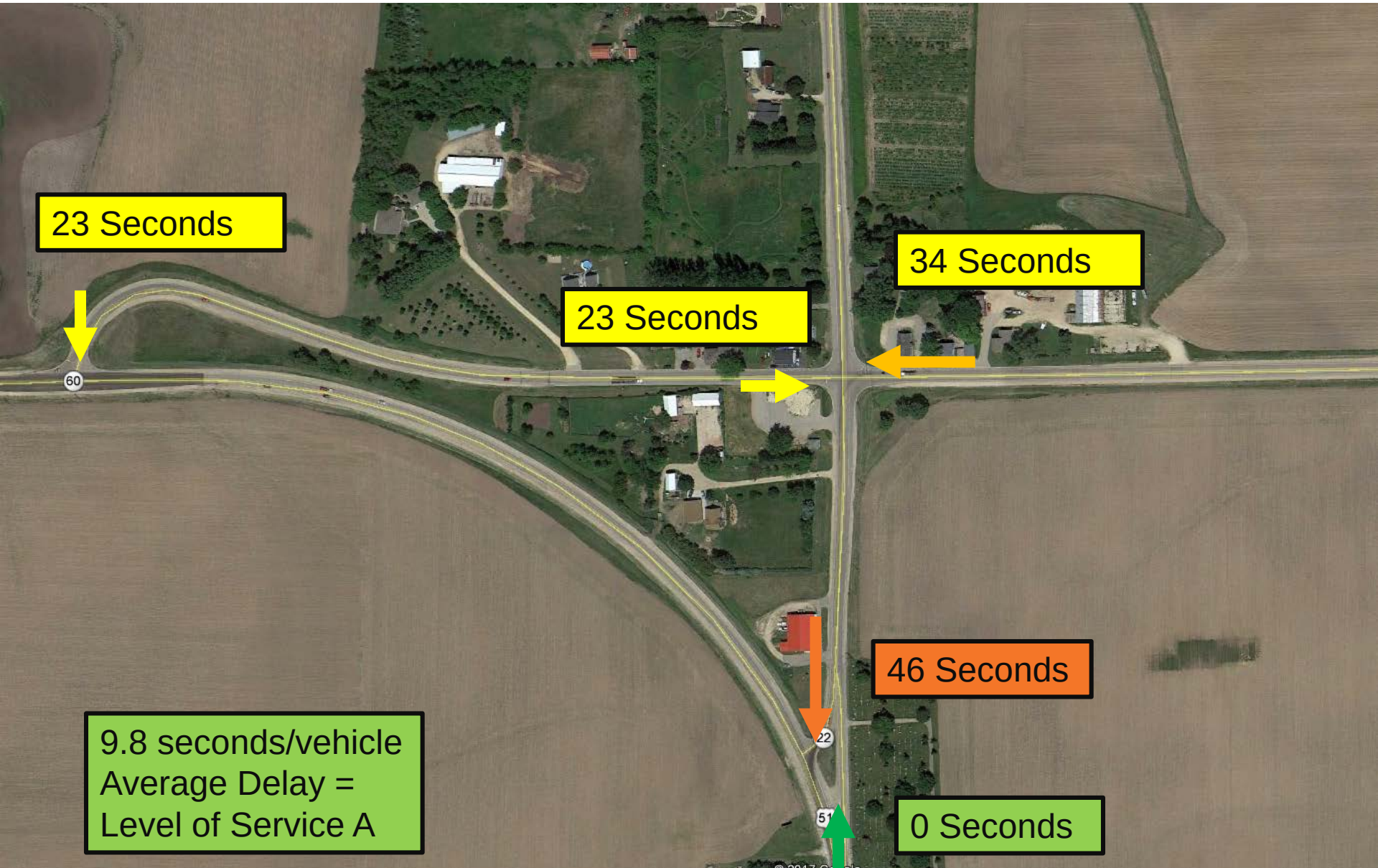


What is my delay in 2042 PM?



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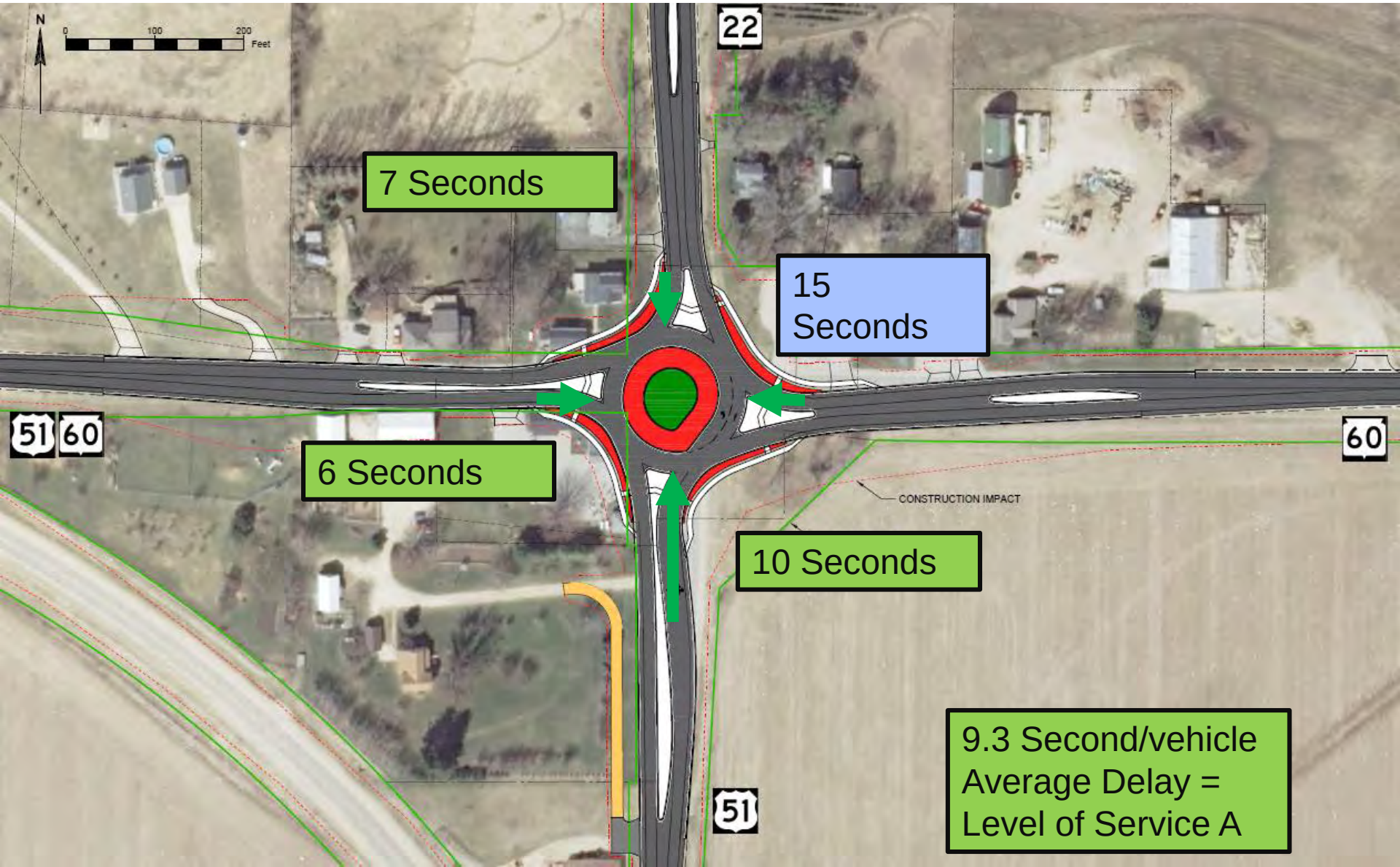


Frequently Asked Questions

- Why are you removing the curve on US 51?
- Bypass Lane Pro and Con List

Pro	Con
• Improved performance at peak hours	• Higher speed merge • More location for conflicts • More expensive

Frequently Asked Questions

- Will there be an increase to noise?

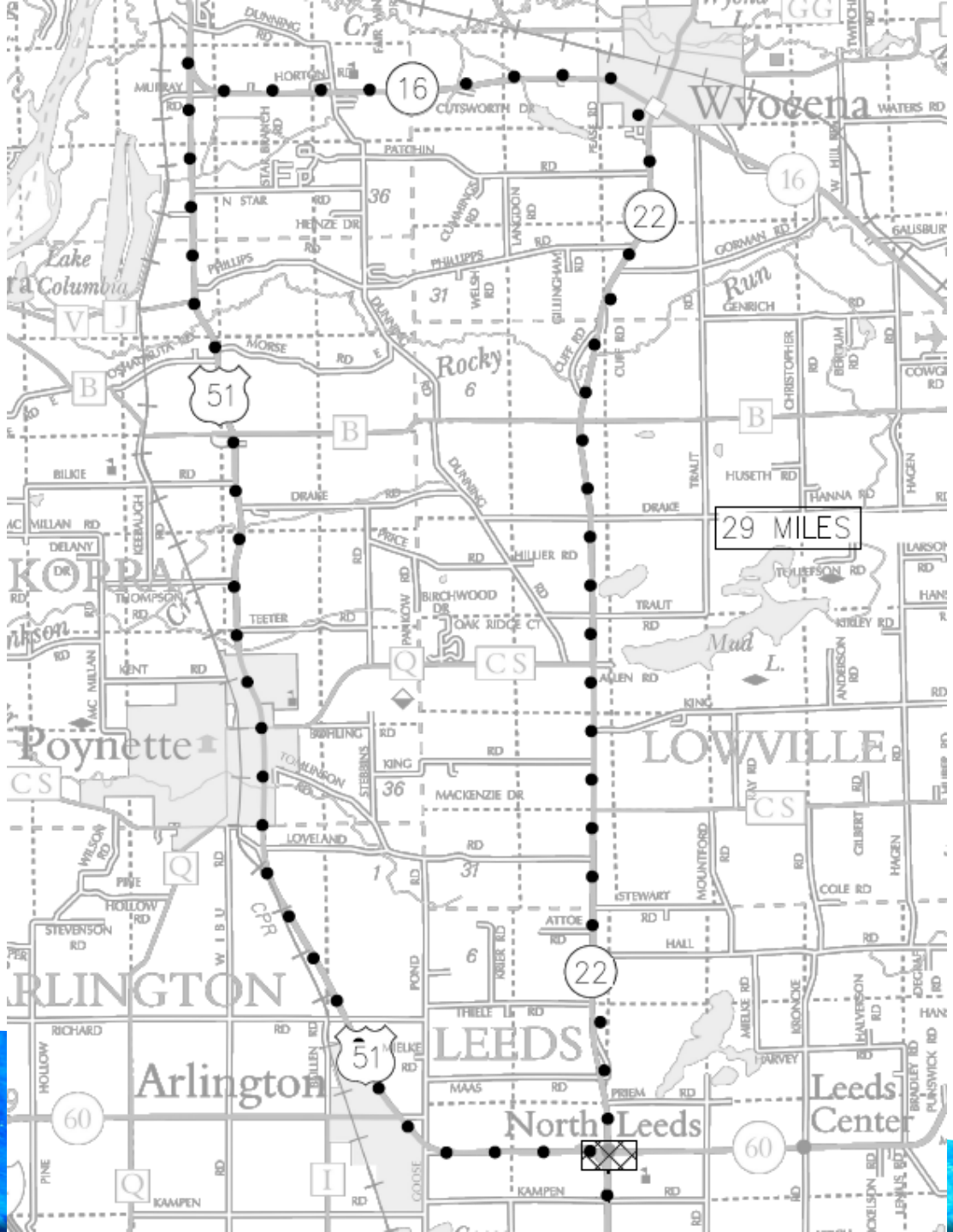
- Noise analysis completed August 2017 by AECOM
  - Small increase to level noise
  - Increase will not approach or exceed the Noise Level Criteria

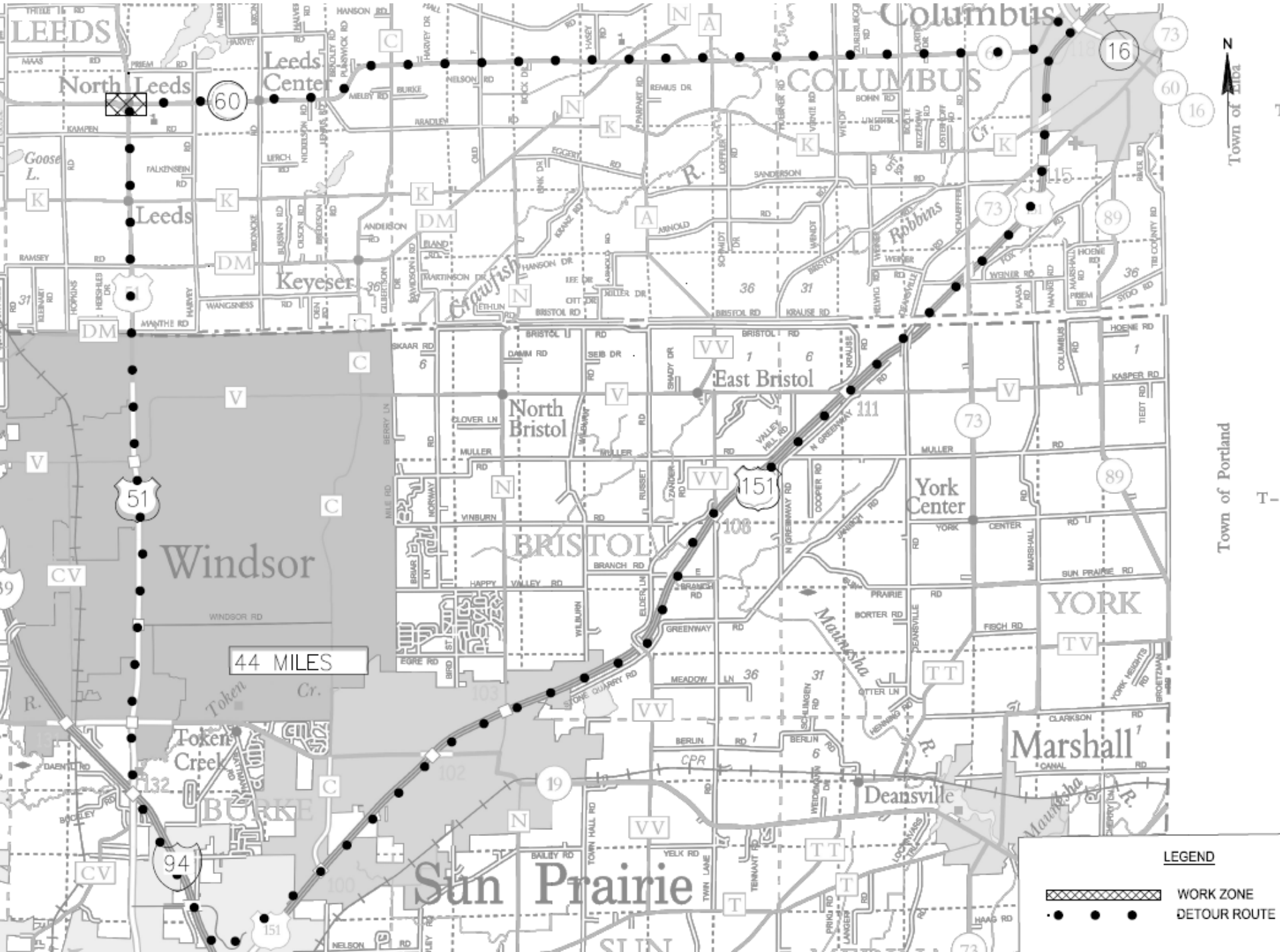
Frequently Asked Questions

- Can the roundabout be constructed at the same time as WIS 22
  - Due to the poor pavement condition, WIS 22 from WIS 60 to WIS 16 Interchange will be resurfaced in 2018
  - The roundabout will require acquisition of real estate and this process can take up to 2 years
  - Unfortunately the two projects cannot be constructed at the same time

Construction Staging

- Plan is to Detour WIS 22 & 60
  - Reduce costs associated with temporary pavement
  - Reduce impacts to residents
  - Reduce construction time
  - Improve the quality of the pavement
- WIS 22
  - Utilize US 51 to WIS 16 back to WIS 22
  - 29 miles
- WIS 60
  - Utilize WIS 16 to USH 151 to IH 94 back to US 51
  - 44 miles


29 MILES
Wyocena
Poynette
LOWVILLE
Arlington
LEEDS
North Leeds
Leeds Center
Lake Columbia
Rocky Run
Mud L.
16
22
51
60
CUTSWORTH DR
PATCHIN RD
N STAR RD
HEINZE DR
PHILLIPS RD
MORSE RD
DRAKE RD
HILLIER RD
TRAUT RD
HUSETH RD
HANNA RD
TOUSEFSON RD
KIRLEY RD
ALLEN RD
KING RD
MACKENZIE DR
LOVELAND RD
STEWART RD
ATTOE RD
HALL RD
COLE RD
THIELE LN RD
MAAS RD
PRIEM RD
KAMPEN RD
GORMAN RD
GENRICH RD
DELANY DR
THOMPSON RD
TEETER RD
KENT RD
BIRCHWOOD DR
OAK RIDGE CT
BILKIE RD
MILLAN RD
RICHARD RD
STEVENSON RD
HOLLOW RD
PINE RD
WISCONSIN DEPARTMENT OF TRANSPORTATION


LEEDS
North Leeds
Leeds Center
Leeds
Keyeser
Goose L.
Columbus
COLUMBUS
Town of Lodi
Town of Portland
Crawfish R.
Robbins Cr.
East Bristol
North Bristol
BRISTOL
York Center
YORK
Windsor
Token Creek
Token Cr.
BURKE
Deansville
Marshall
Sun Prairie
Maunesha R.
44 MILES
N
LEGEND
WORK ZONE
DETOUR ROUTE

Project Schedule

Public Involvement Meeting #2	December 12th 2017
30% Plans	March 2018
Environmental Document	January 2019
60% Preliminary Plans	May 2019
Real Estate Acquisition Begins	August 2019
90% Draft PS&E	June 2021
Final Plans	August 2021
Construction	Spring 2022

Questions?

- Please fill out a comment sheet
- Notify us if you have something on your property we should know about such as:
  - Septic systems
  - Drain tiles
  - Easements

Thank you

- Project Website:

http://wisconsindot.gov/Pages/projects/by-region/sw/wis22wis60us51/default.aspx