

CTH AB/USH 12-18 Interchange

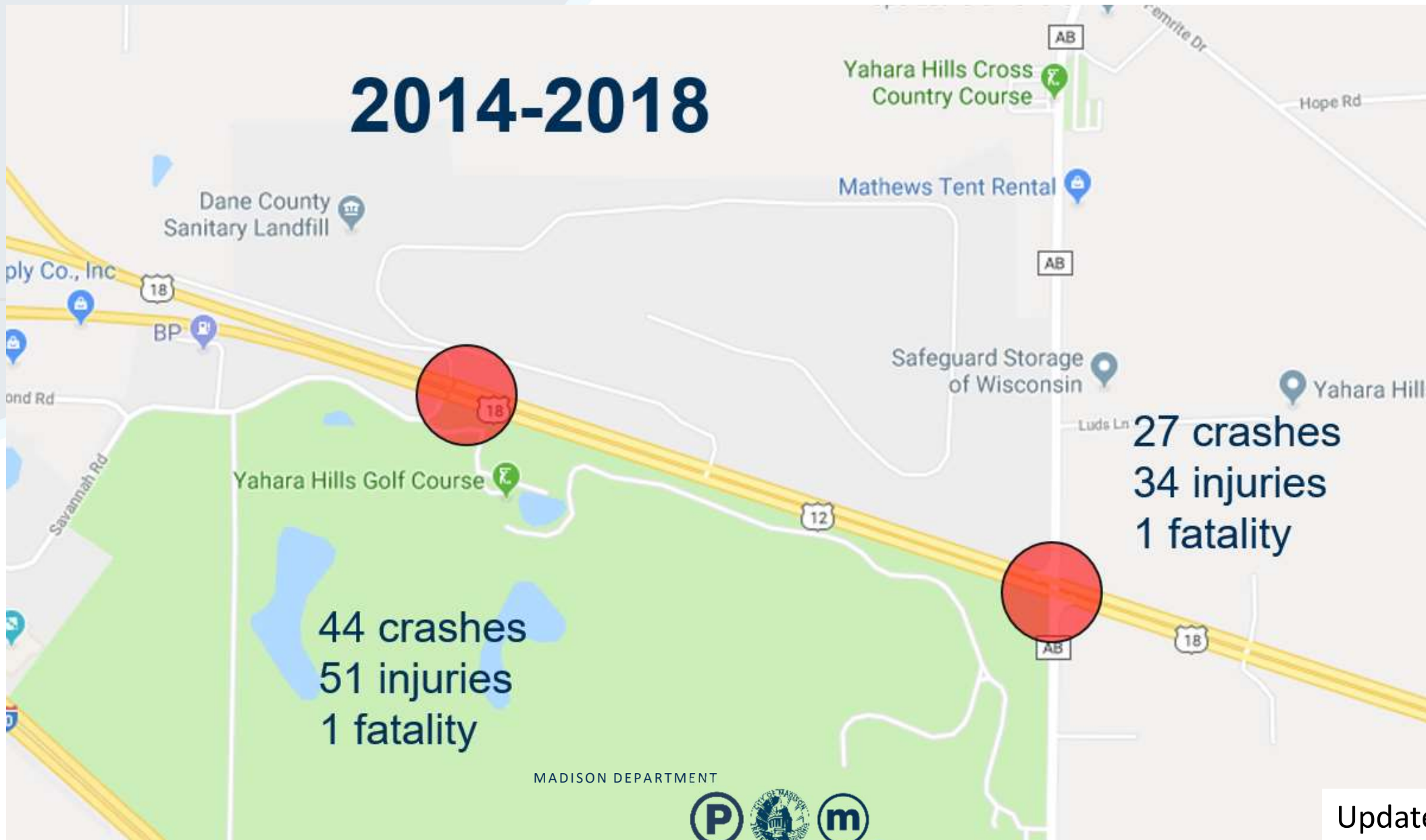
TPPB
5/04/2020

MADISON DEPARTMENT



OF TRANSPORTATION

Millpond Road and County AB are two of Madison's highest crash severity intersections



Updated**

Millpond Road

- Second most dangerous intersection in the City of Madison as measured by crash severity.
- Wisconsin Department of Transportation has identified both of the intersections as having extremely high Potential for Safety Improvement (PSI).
 - The Millpond Rd intersection has the 3rd highest Total Potential for Safety Improvement in the state for two-way stop controlled intersections.
 - If combined with County AB, the Total Potential for Safety Improvement is the highest for two way stop controlled intersections in the entire state



2014-2018 Crashes Ranked by Severity (EPDO)

SEVERITY		CRASH TYPE		
		PED	BIKE	VEH
K	Fatal	135.9	129.4	155.5
A	Incapacitating	17.8	14.9	16.0
B	Non-Incapacitating	4.7	3.7	4.4
C	Possible Injury	3.0	2.5	2.3
O	Property Damage	1.5	2.0	1.0

Rank	CRSHPLYNAM	LOC_CODE	Traffic Control	EPDO Sum	Crash S
1	N Stoughton Rd & E Washington Ave	CP0010971	Signal	416.7	
2	US Highway 12 & 18 & Millpond Rd	CP0002618	Stop	287.5	
3	US Highway 12 & 18 & Brandt Rd (AB)	CP0012958	Stop	251.7	
4	Campus Dr & Farley Ave	CP0006587	Signal	241.9	
5	Acewood Blvd & Cottage Grove Rd	CP0008213	Signal	210.6	
6	Mineral Point Rd & N Pleasant View Rd	CP0004089	Yield (Round)	205.8	
7	Blossom Ln & E Buckeye Rd	CP0006655	Stop	162.2	
8	N First St & E Washington Ave	CP0009139	Signal	155.2	
9	Ridge St & University Ave	CP0006821	Signal	141.4	
10	Commercial Ave & N Sherman Ave	CP0010337	Signal	139.9	
11	S Gammon Rd & Mineral Point Rd	CP0004157	Signal	136.6	
12	N Lake St & Mendota Ct	CP0007111	No Control	135.9	
13	N Park St & Regent St	CP0005338	Signal	122.6	
14	N Baldwin St & E Washington Ave	CP0008510	Signal	118.3	
15	E Broadway & S Stoughton Rd	CP0012979	Signal	115	
16	Lien Rd & E Washington Ave	CP0011196	Signal	110.7	
17	Buckeye Rd & S Stoughton Rd	CP0006666	Signal	109.3	
18	County Rd M & Valley View Rd	CP0002635	Yield (Round)	105.3	



Department of Transportation

Thomas Lynch, PE, PTOE, PTP, AICP, Director of Transportation

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March 13, 2019

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Acting Assistant Director
FHWA Wisconsin Section
525 Junction Road, Suite 8000
Madison, Wisconsin 53717

John Vesperman
Section Chief
WisDOT SW Region
1101 Wright Street
Madison, Wisconsin 53704

RE: Project ID 1007-10-02
I-39/90 and US 12/18 (Beltline Interchange) EA

Thank you again for the opportunity to comment on the issues surrounding the I-39/90 and US 12/18 Beltline Interchange (BIC). In November of 2018, WisDOT released their Environmental Assessment (EA) for the BIC interchange and the City of Madison submitted a comment letter in January 2019 which is attached. With this letter we would like to re-emphasize the urgent safety need and request a grade separated solution that addresses safety and access to the US 12/18 intersections with Mill Pond and/or County AB. Recent crash statistics from 2014 to 2018 continue to show this safety need:

- Mill Pond – 55 crashes, of which 17 involved injuries and 1 fatality.
- County AB – 35 crashes, of which 19 involved injuries with 1 fatality.

Since 1998, WisDOT has evaluated various solutions for the safety problems that exist at both of these intersections. Over the past 5 years three projects have had the Mill Pond Road and County AB intersections within their logical termini.

- Project ID 3080-10-10 US 12/18 Freeway Conversion study
 - The 2016 EA shows Mill Pond Road and County AB within the project limits
 - The 2016 EA Project Need incorporates Mill Pond Road and states *“the crash rate in the west section is 220 crashes per 100 MVM (million vehicle miles), which is well above the statewide average of 67 for similar roadways. The injury crash rate in the west section is 89 per 100 MVM, which is higher than the statewide average of 23.8 for similar roadways. The crash rate for incidents resulting in fatality on the west section is 7.7 per 100 MVM which greatly exceeds the statewide rate of 0.9 per 100 MVM”*

Madison has made several requests to WisDOT to address safety problems

“With this letter we would like to re-emphasize the urgent safety need and request a grade-separated solution that addresses safety and access to the US 12/18 intersections with Millpond Road and/or County AB”

Travel delays on Millpond Road can be extreme



Traffic recording camera

Delay Study conducted on 4/26/19 showed average delays of up to 516 seconds for some 15 minute periods

Ho-Chunk Planned Development Approved by Planning Commission



PROJECT NUMBER - 177893

HO-CHUNK GAMING MADISON
 MADISON, WI DATE 02.27.19

CIRCULATION EXHIBIT



JSD Professional Services, Inc.
 • Engineers • Surveyors • Planners

Ho-Chunk Plan Approval conditions

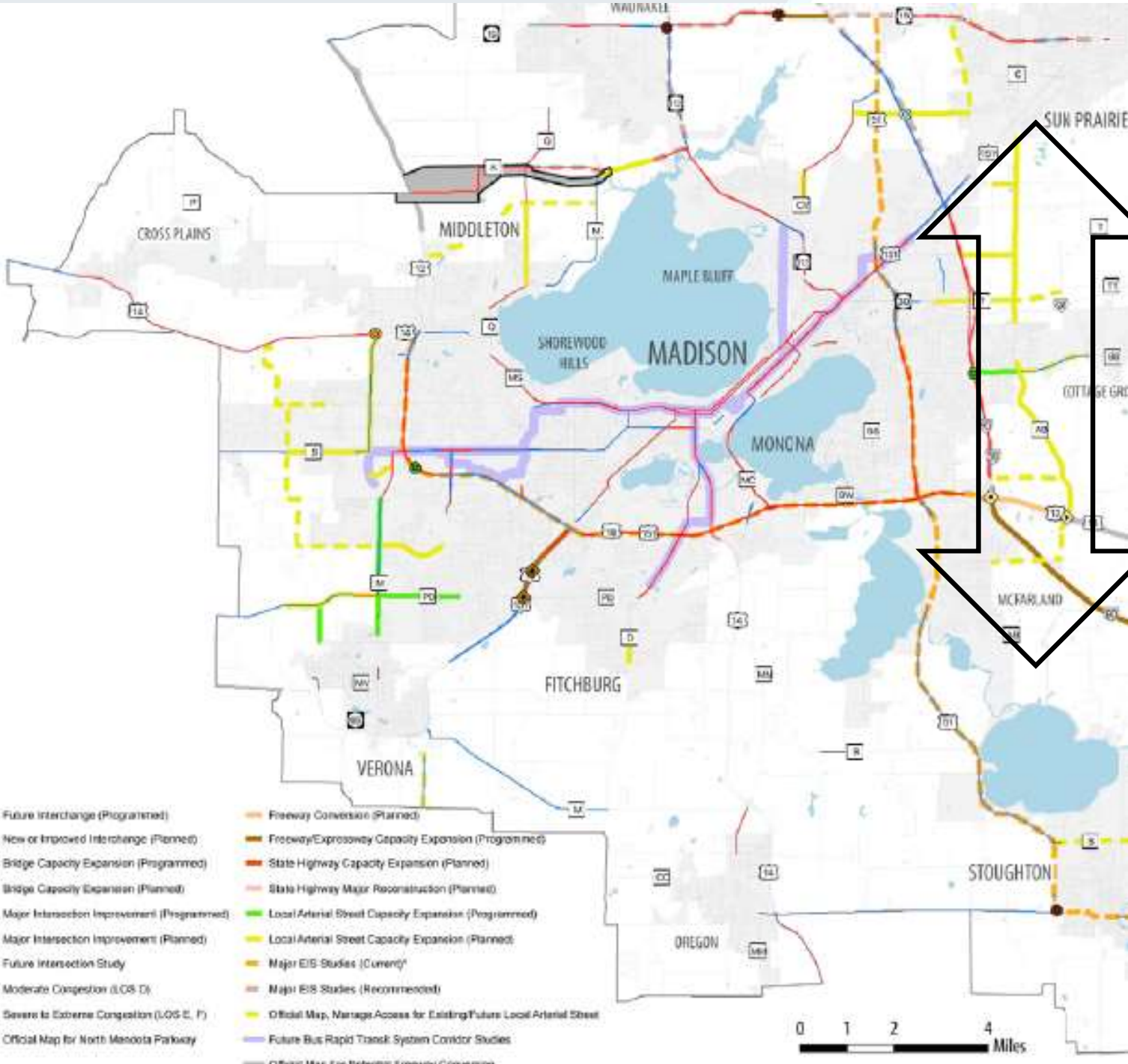
“The PD District plan shall not create traffic or parking demand disproportionate to the facilities and improvements designed to meet those demands”

MADISON DEPARTMENT



OF TRANSPORTATION

MATPB

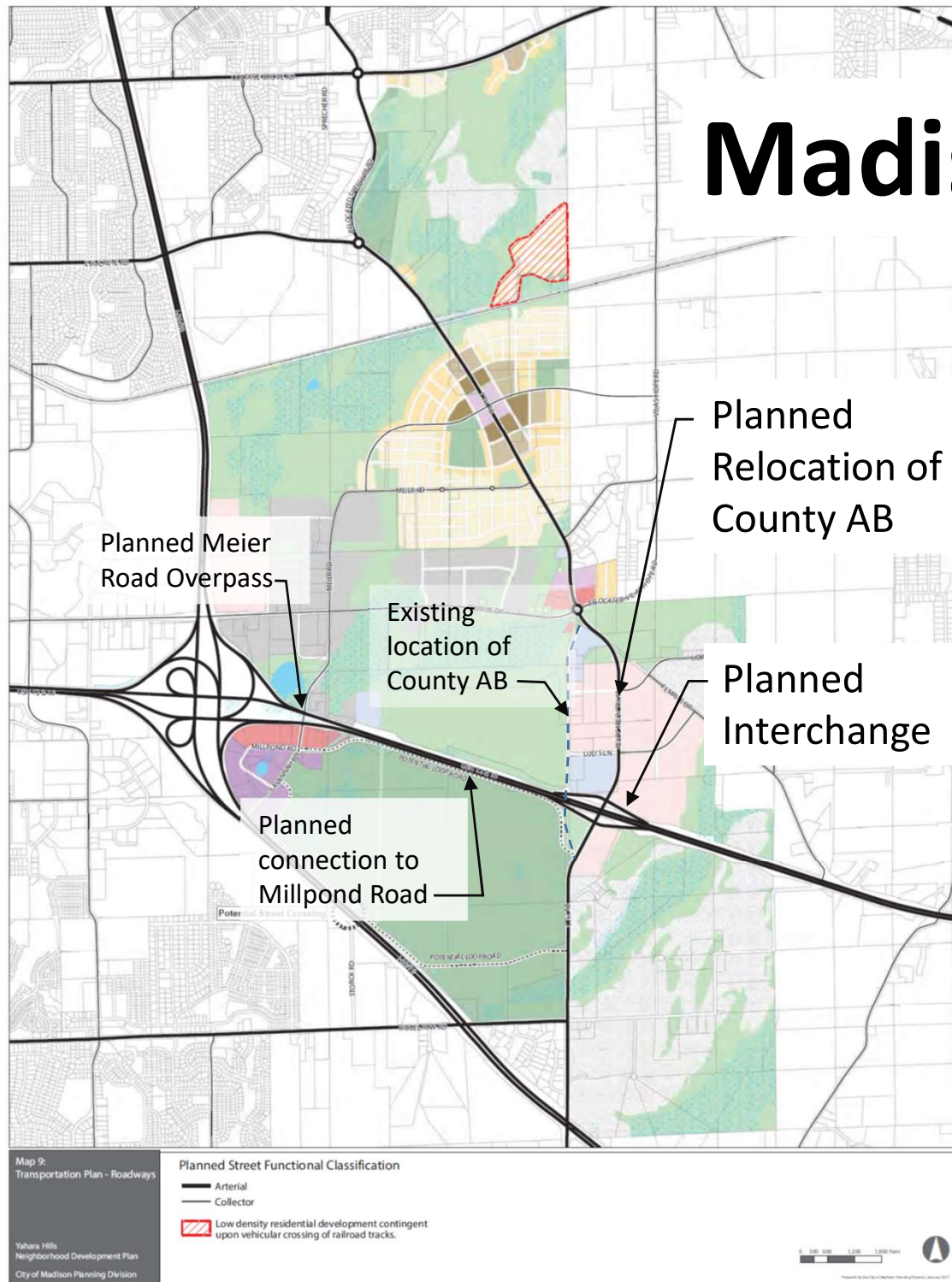


- MPO Regional Transportation Plan (2050)
- Reiner/Sprecher/County AB identified as long-term major arterial corridor
- Capacity expansion recommended in RTP

Figure 5-2: Major Roadway and High Capacity Transit Improvements and Studies.

Madison Yahara Hills NDP

- 3,000-3,500 Additional Dwelling Units
- 5,500-6,000 New Employment



Note: annotations have been added to this graphic since BPW to add clarity

WisDOT's Proposal

Future Meier Road Overpass
(Not part of proposal)

Dane County
Landfill

Future extension
of County AB

12

18

AB

Millpond Rd

Bike lanes

Proposed frontage road
connecting Millpond
Road to Interchange
(Madison's share)
With shared use path

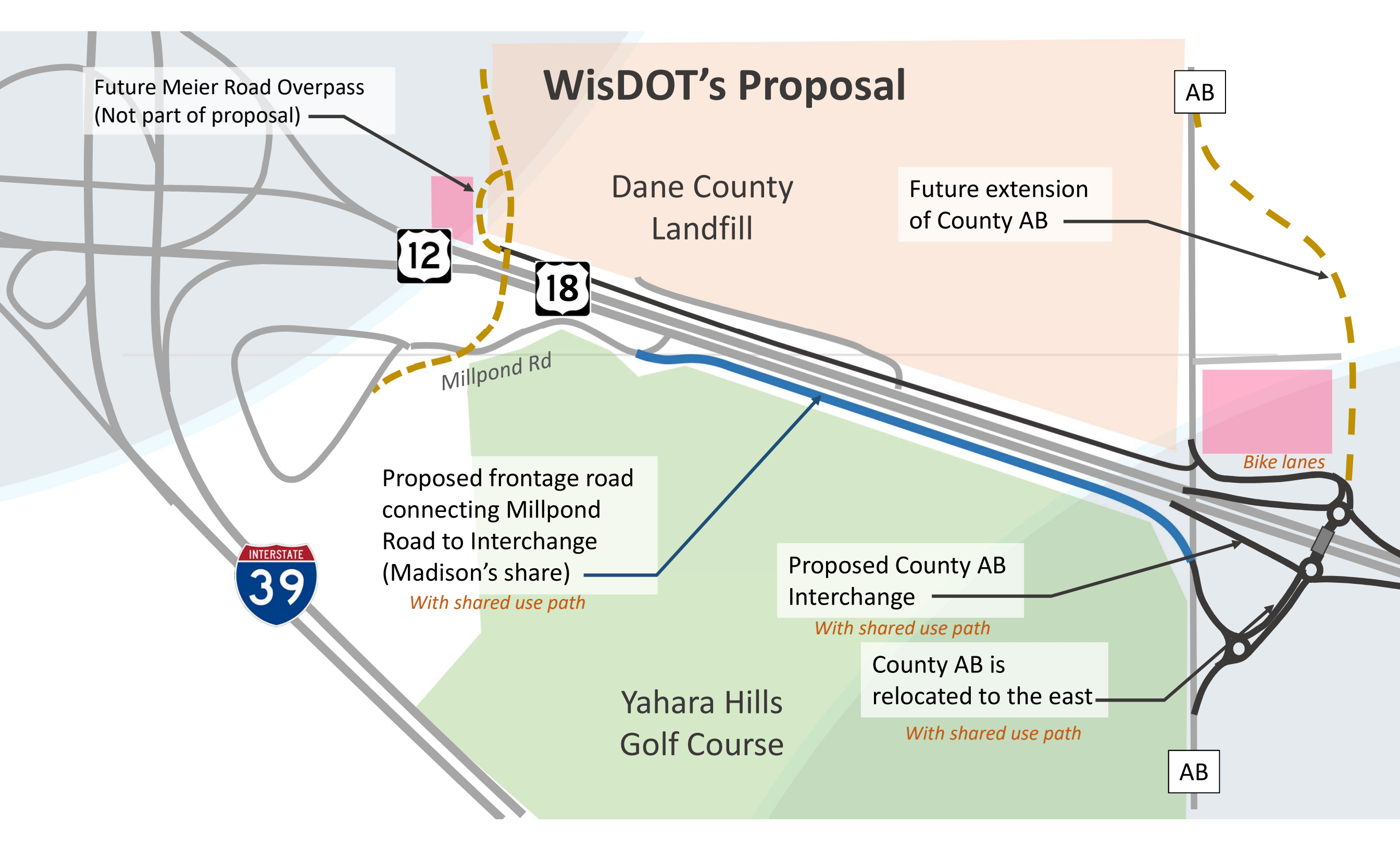
Proposed County AB
Interchange
With shared use path

County AB is
relocated to the east
With shared use path

INTERSTATE
39

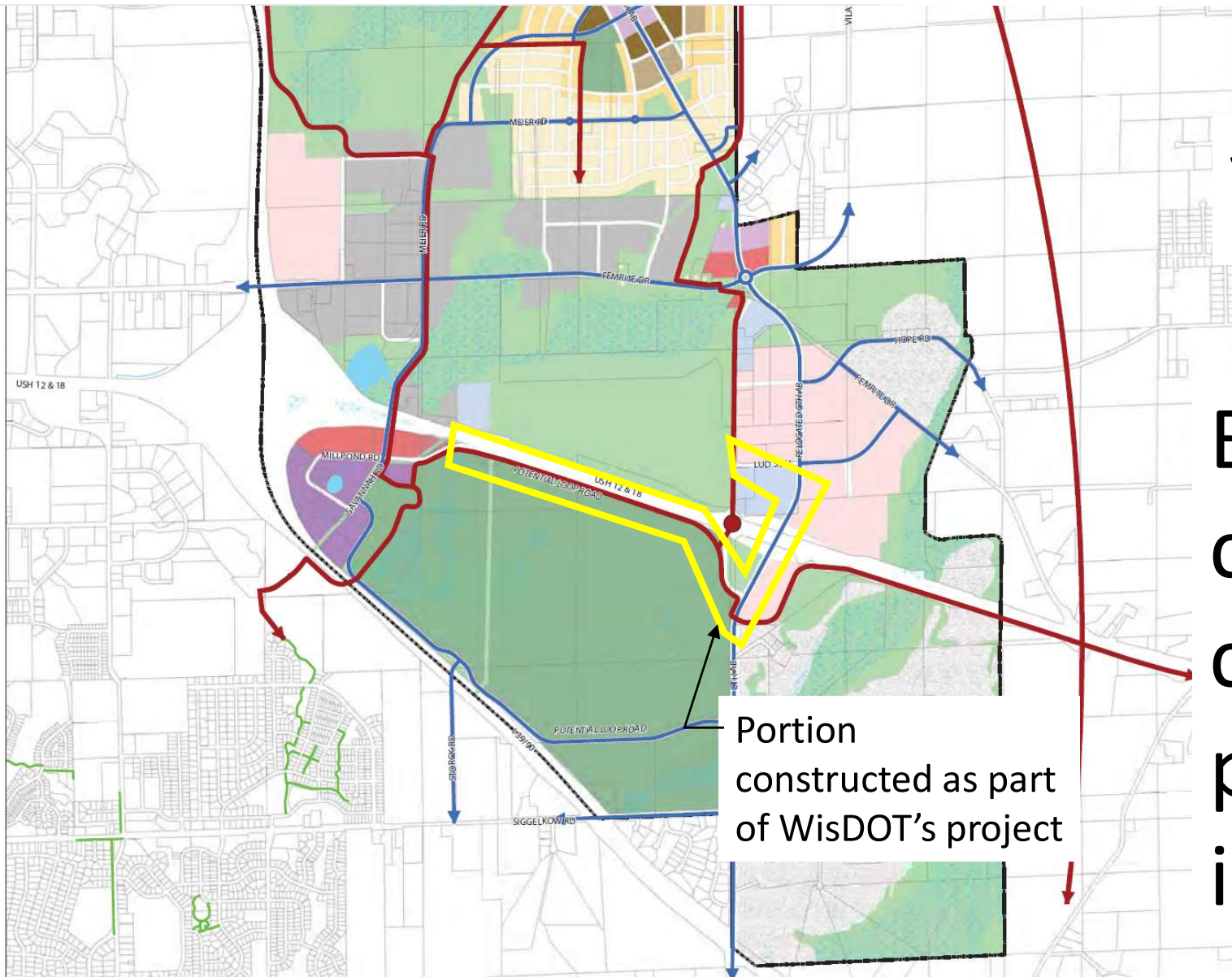
Yahara Hills
Golf Course

AB



Yahara Hills NDP

Bike-Ped connections being constructed with proposed County AB interchange



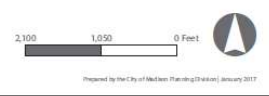
Portion constructed as part of WisDOT's project

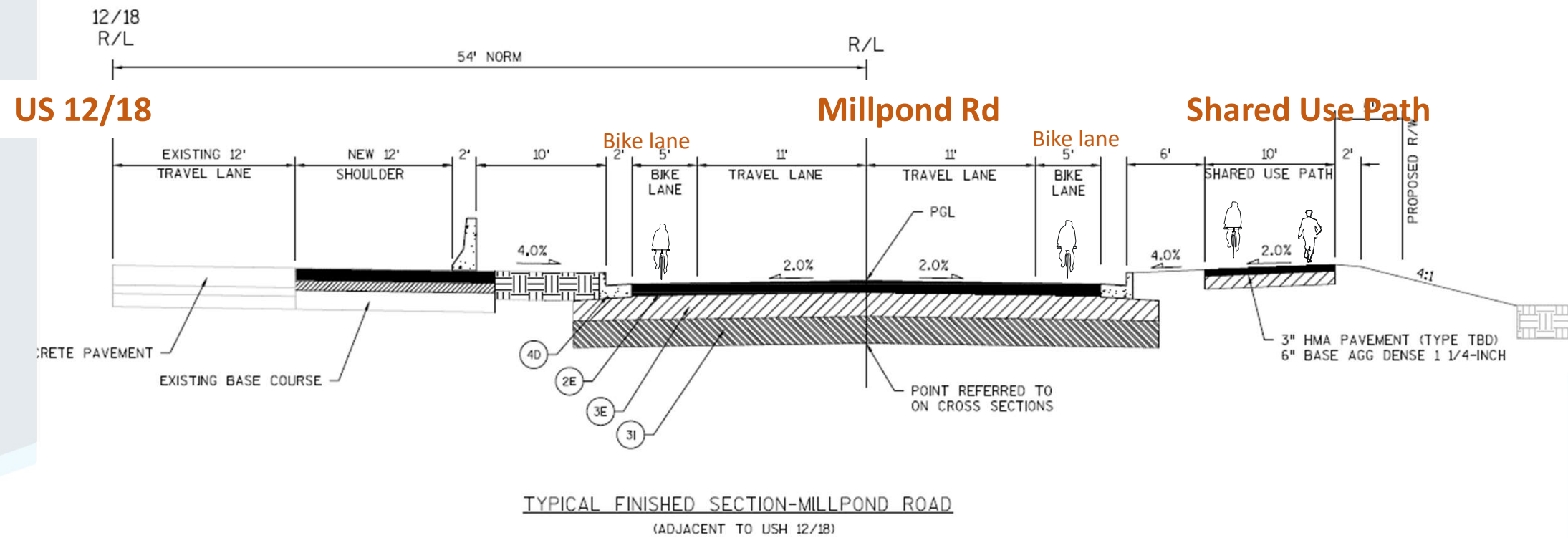
Map 11:
Transportation Plan -
Pedestrian/Bicycle Facilities

Yahara Hills
Neighborhood Development Plan
City of Madison Planning Division

Pedestrian/Bicycle Facilities

- Existing Shared-Use Path
- Proposed Shared-Use Path
- Proposed Bicycle Lane
- Proposed Bicycle/Pedestrian Grade-Separated Crossing
- Low density residential development contingent upon vehicular crossing of railroad tracks.

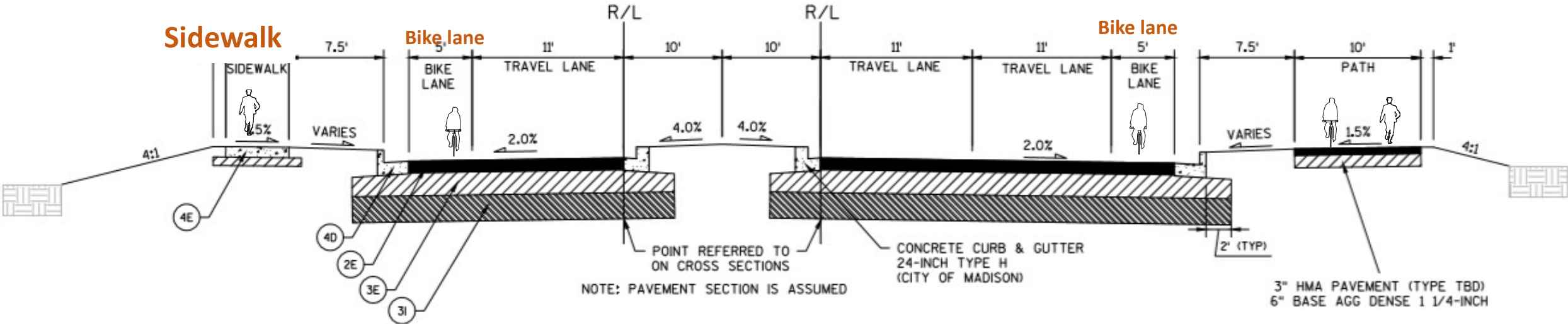




Typical Section Proposed for Millpond Road

County AB

Shared Use Path



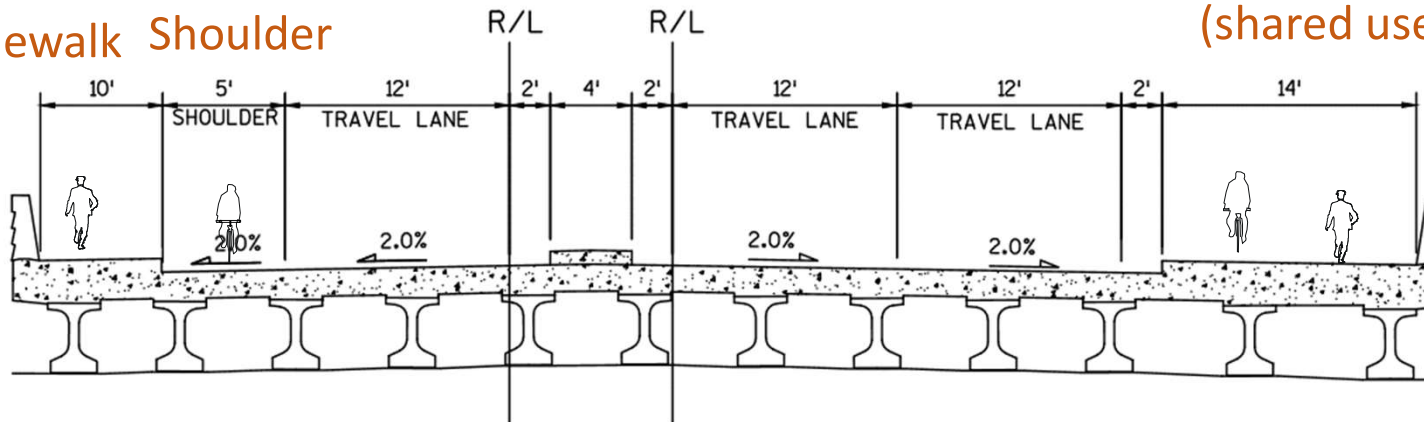
TYPICAL FINISHED SECTION-CTH AB
(BETWEEN MILLPOND ROAD AND USH 12/18)
(NO BYPASS LANE)

Typical Section Proposed for County AB between Millpond Rd and US 12/18

10-foot
raised
sidewalk

5-foot
Shoulder

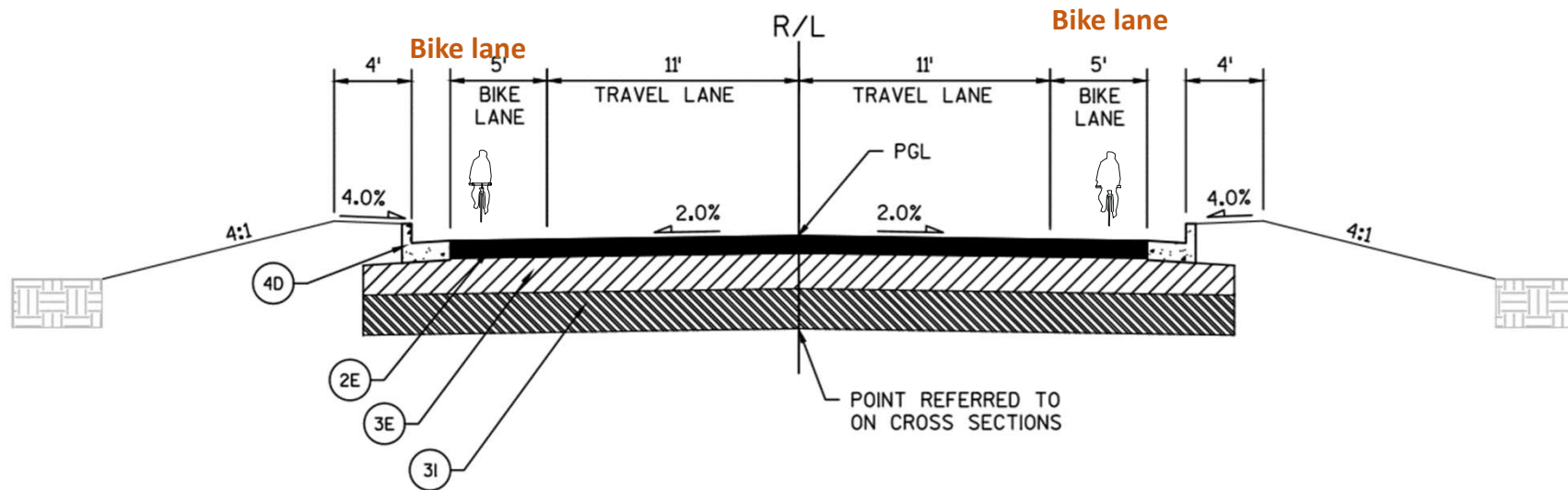
14-foot raised sidewalk
(shared use)



NOTE: PAVEMENT SECTION IS ASSUMED

TYPICAL FINISHED SECTION-CTH AB (OVER BRIDGE)

Typical Section Proposed for Bridge over US 12/18



NOTE: PAVEMENT SECTION IS ASSUMED

TYPICAL FINISHED SECTION-INTERIM CTH AB
(NORTH OF USH 12/18)

Interim Typical Section Proposed for County AB north of US 12/18
(Long-term matches that south of US 12/18)

Federal BUILD Grant Application

- \$10-15 million request
- Grant applications due May 2020
- Project Financing Partners: WisDOT, Ho-Chunk Nation, City of Madison
- Total project cost \$37,000,000
- Need commitment of funding from local partners

MADISON DEPARTMENT



OF TRANSPORTATION

NOW THEREFORE BE IT RESOLVED that the City of Madison agrees to contribute up to \$5 million toward the construction local frontage roads that serve City of Madison parcels; and,

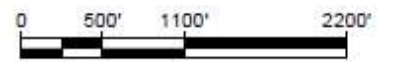
BE IT FURTHER RESOLVED that, the Mayor and the City Clerk are hereby authorized to enter into project agreements with the Wisconsin Department of Transportation, Dane County, the Town of Cottage Grove and the Ho-Chunk Nation.

BE IT FURTHER RESOLVED, that the Common Council approves indemnification of the State of Wisconsin Department of Transportation as set forth in the agreement in order to use federal funds for the improvement project.

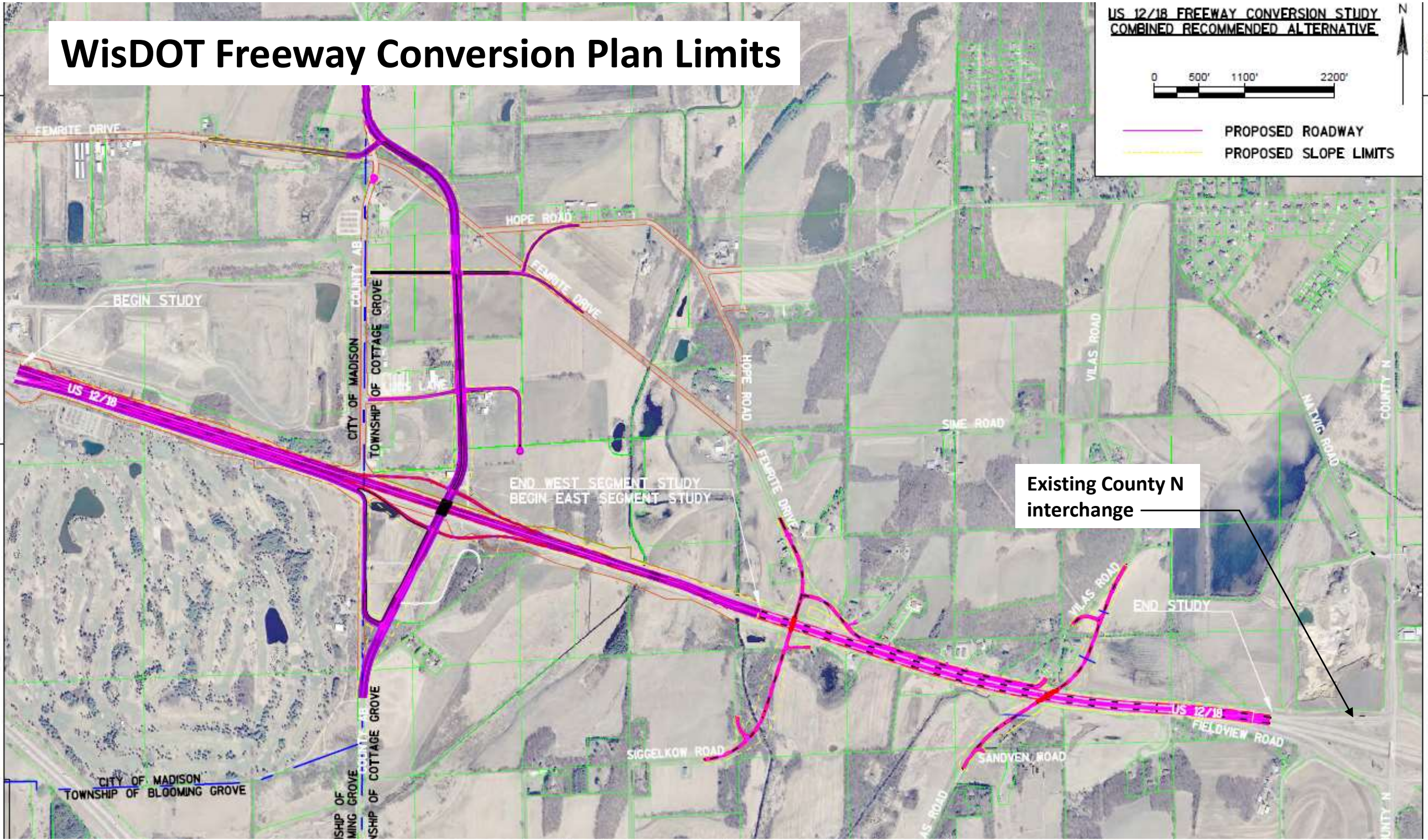
THEREFORE BE IT FINALLY RESOLVED, that the Mayor and City Attorney is authorized to allocate city property for the establishment of frontage roads that serve the County AB interchange, subject to approvals by Park Commission, if necessary.

WisDOT Freeway Conversion Plan Limits

US 12/18 FREEWAY CONVERSION STUDY
COMBINED RECOMMENDED ALTERNATIVE



- PROPOSED ROADWAY
- PROPOSED SLOPE LIMITS



Existing County N
interchange