

CTH AB/USH 12-18 Interchange

Board of Public Works
4/22/2020

MADISON DEPARTMENT



OF TRANSPORTATION

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



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





Department of Transportation

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March 13, 2019

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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 numerous 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”

WisDOT Environmental Document acknowledges safety problems

- 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”*

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



Ho-Chunk Plan Approval conditions

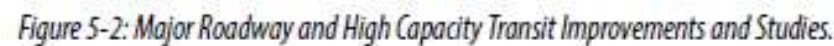
“The PD District plan shall not create traffic or parking demand disproportionate to the facilities and improvements designed to meet those demands”

MADISON DEPARTMENT



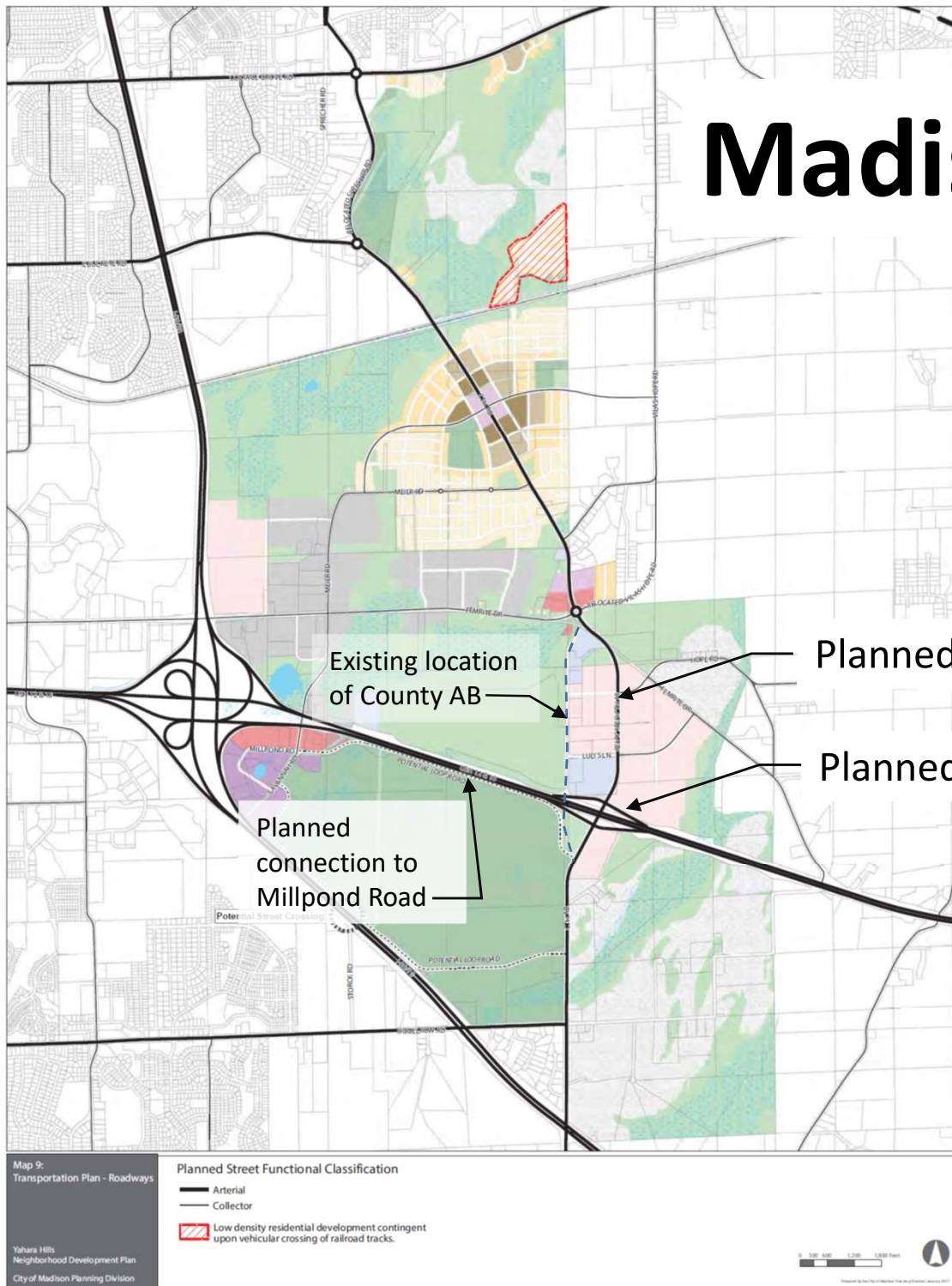
OF TRANSPORTATION

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



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 Proposal

COUNTY AB INTERIM INTERCHANGE CONCEPT
NOVEMBER 11, 2019

X	CLOSED MEDIAN OPENING		HISTORICAL BOUNDARY
	WETLAND		4F RESOURCE
	100-YEAR FLOODPLAIN		PROPERTY LINE
	CEMETERY/BURIAL SITE		EXISTING R/W
			PROPOSED R/W

DESIGN YEAR: INTERIM: 2035 ULTIMATE: 2045

Future Meier Road Overpass
(Not part of proposal)

NO ACCESS
TO 12/18

NO ACCESS
TO 12/18

ACCESS TO LANDFILL &
HOTEL FROM LONG DRIVE

RIGHT IN ONLY;
NO RIGHT OUT

CONCRETE
BARRIER

MILLPOND ROAD

LONG DRIVE

LUDS LANE

Future extension
of County AB

PROPOSED
TOWN ROAD

DRIVEWAY

MULTI-LANE ROUNDABOUT (RAB) TYP

PROPOSED OVERPASS
NORTHBOUND-2 LANES
SOUTHBOUND-1 LANE

Proposed frontage road
connecting Millpond Road
to Interchange

10' SHARED USE PATH
ALONG SOUTH SIDE
OF MILLPOND ROAD

Proposed County AB
Interchange

ACCESS TO HO-CHUNK GAMING
& YAHARA HILLS GOLF COURSE
FROM MILLPOND ROAD

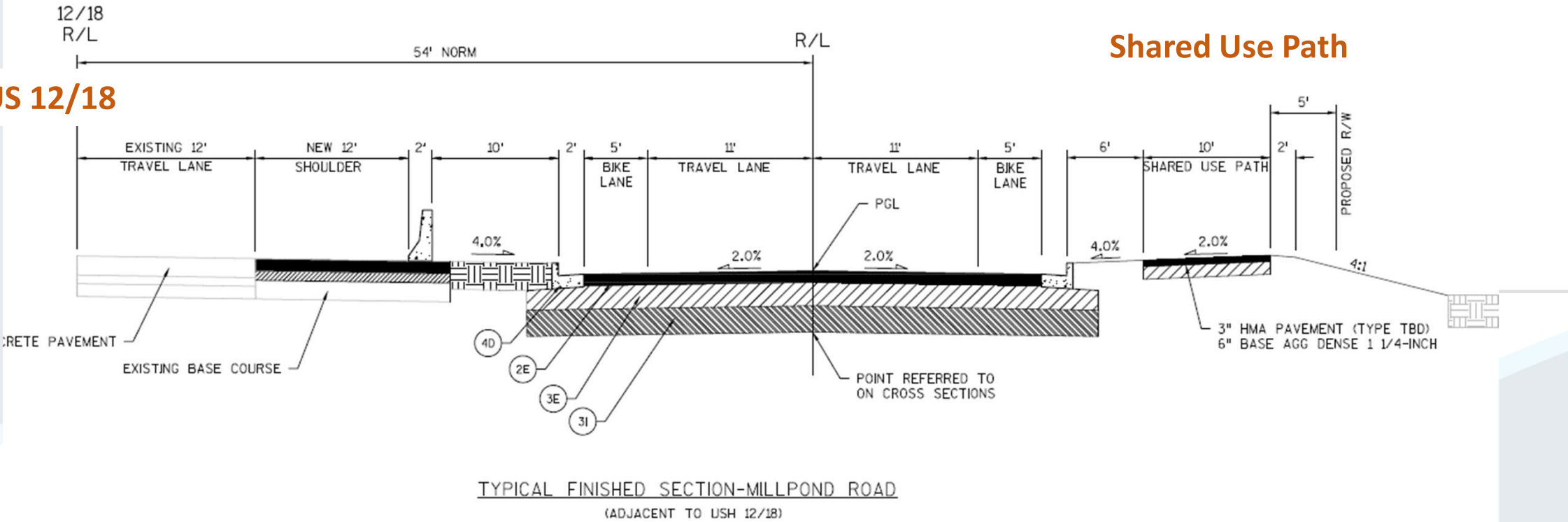
DRIVEWAY

County AB is
relocated to the east

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

Shared Use Path

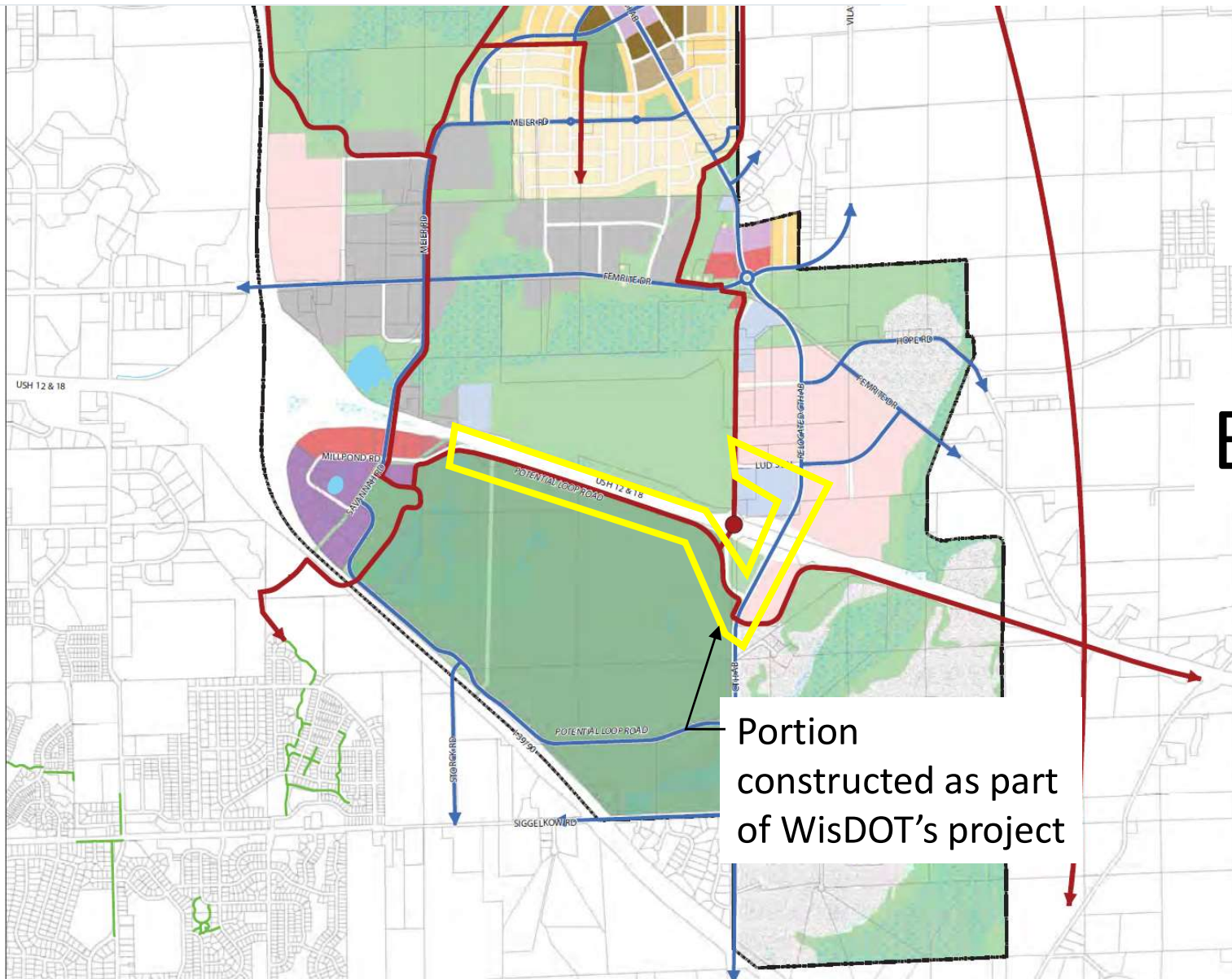
US 12/18



Typical Section Proposed for Millpond Road

Yahara Hills NDP

Bike-Ped connections



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.

2,100 1,050 0 Feet

Prepared by the City of Madison Planning Division | January 2017

Federal BUILD Grant Application

- \$10-15 million request
- Grant applications due May 2020
- Project Financing Partners: WisDOT, Ho-Chunk Nation, City of Madison
- Will likely require a signed partner agreement prior to submitting the BUILD grant
- 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

0 500' 1100' 2200'

PROPOSED ROADWAY
PROPOSED SLOPE LIMITS

