DRAFT 2020-2024 Transportation Improvement Program Released for Public Review and Comment

The Draft 2020-2024 Transportation Improvement Program (TIP) for the Madison Metropolitan Area & Dane County is available for review and comment. The TIP lists major transportation improvements and studies with approved or committed funding during the next five-year period. MATPB must approve all projects with federal funding and/or that are regionally significant, including those selected or programmed by other agencies such as WisDOT and Metro Transit.

MATPB receives its own allocation of federal funding under two programs: Surface Transportation Block Grant (STBG) Urban and Transportation Alternatives (TA). MATPB solicits applications and selects projects for funding under these programs every two years. Applications for STBG Urban projects were due in June, while applications for TA projects will be due in early 2020.

MATPB is proposing to award STBG Urban funding to the following projects with construction tentatively scheduled to commence for each in either 2023 or 2024:

- County Trunk Highway (CTH) M (Willow Rd. to Oncken Rd.) – Reconstruction and expansion to divided 4-lane urban roadway with bike lanes, intersection improvements, multi-use path, and future park-and-ride facility.
- Pleasant View Road (USH 14 to Timber Wolf Tr.) – Reconstruction and expansion to divided 4-lane urban roadway with bike lanes, intersection improvements, sidewalks, and multi-use path. Vertical and horizontal curve deficiencies will be addressed and a new ped/bike bridge will be constructed at the existing on-street path crossing north of Greenway Boulevard.
- Exchange Street (Farwell St. to Sleepy Hollow Rd.) – Reconstruction with new sidewalk and potential striped bike lanes.

MATPB previously awarded STBG-Urban funding to the following projects, scheduled for construction in 2020 or 2021: McKee Road/CTH PD (Commerce Park Dr. to Seminole Hwy.) Reconstruction; Cottage Grove Road/CTH BB (North Star Dr. to Sprecher Rd.) Reconstruction and expansion to 4 lanes; Gammon Road (Seybold Road to Mineral Point Road) Reconstruction; and University Avenue (Shorewood Blvd. to University Bay Drive) Reconstruction. Federal TA funding was previously awarded for the Garver Path in the City of Madison and the Glacial Drumlin Path extension in the Village of Cottage Grove. Both projects are scheduled for 2021. (cont’d on next page)
MATPB recently completed an intersection safety analysis for all arterial and collector roadway intersections in the Madison MPO Planning area – more than 4,000 intersections in total. Completed with the assistance of the University of Wisconsin Traffic Operations and Safety (TOPS) Lab, the purpose of the analysis was to conduct a network wide screening to serve as a starting point to identify intersections with a need for more detailed study for potential safety improvements and/or targeted enforcement.

The safety analysis ranks intersections by:
- Crash Frequency – Total number of crashes at a given intersection
- Crash Rate – Total number of crashes at a given intersection divided by traffic volume.
- Crash Severity – Relative severity of crashes at a given intersection.

The results of this analysis will be used to help program projects to increase the safety of the Madison area’s roadway network.

### Low-Stress Bike Route Finder

MATPB staff has developed the **Low-Stress Bike Route Finder**, an online GIS application that provides users with directions between points tailored to riders’ comfort level in riding on streets with higher exposure to traffic stress—low stress routes only, moderate, or any route regardless of stress. When directions are provided on moderate and high stress allowed settings, low-stress routes are still preferred.

The tool is designed for use on urban streets as rural roads with high speeds are considered high stress regardless of traffic volumes. The Route Finder offers additional information on slope and traffic signals, as well as road closures in the City of Madison.

MATPB intends to update the network each year to reflect newly constructed bike facilities.

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**Top 50 High Crash Severity Intersections**

Among other notable projects included in the Draft TIP is the reconstruction of S. Blair Street (U.S. Highway 151) and Phase 2 of the Blair/John Nolen/Williamson/Wilson Street intersection reconstruction to further address safety issues at the intersection. Major planned transit capital projects include completing design and constructing a Phase 1 Bus Rapid Transit system in the East-West Corridor, continuing a multi-year renovation of Metro Transit’s bus maintenance facility, and purchasing property and remodeling buildings for a new satellite bus garage at the former Oscar Mayer site.

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**Top 10 High Crash Intersections**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Crash Frequency</th>
<th>Crash Rate</th>
<th>Crash Severity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stoughton Rd @ Buckeye Rd</td>
<td>CTH A @ Glenway Rd</td>
<td>Stoughton Rd @ Buckeye Rd</td>
</tr>
<tr>
<td>2</td>
<td>Pleasant View @ Mineral Point Rd</td>
<td>Badger Ln @ Nob Hill Rd</td>
<td>Stoughton Rd @ Pflaus Rd</td>
</tr>
<tr>
<td>3</td>
<td>Fish Hatchery Rd @ Greenway Cross</td>
<td>CTH MN @ Door Creek Rd</td>
<td>Fish Hatchery Rd @ Greenway Cross</td>
</tr>
<tr>
<td>4</td>
<td>Stoughton Rd @ Pflaus Rd</td>
<td>Pleasant View @ Mineral Point Rd</td>
<td>Stoughton Rd @ Broadway</td>
</tr>
<tr>
<td>5</td>
<td>Gammon Rd @ Watts Rd</td>
<td>CTH AB @ CTH MN</td>
<td>East Washington Ave @ First St</td>
</tr>
<tr>
<td>6</td>
<td>Stoughton Rd @ Broadway</td>
<td>W Beltline Frontage Rd @ Kingston Dr</td>
<td>Gammon Rd @ Watts Rd</td>
</tr>
<tr>
<td>7</td>
<td>East Washington Ave @ Mendota St</td>
<td>Verona Frontage Rd @ Red Arrow Trl</td>
<td>East Washington Ave @ Mendota St</td>
</tr>
<tr>
<td>8</td>
<td>Odana Rd @ Whitney Way</td>
<td>Bird St @ Egre Rd</td>
<td>Gammon Rd @ Mineral Point Rd</td>
</tr>
<tr>
<td>9</td>
<td>East Washington Ave @ First St</td>
<td>CTH MM @ CTH M</td>
<td>Midvale Blvd @ University Ave</td>
</tr>
<tr>
<td>10</td>
<td>Midvale Blvd @ University Ave</td>
<td>E Mifflin St @ N Blair St</td>
<td>Odana Rd @ Whitney Way</td>
</tr>
</tbody>
</table>

*Based upon 2012-2016 crash data obtained from the WisTransPortal database*  
*Does not include intersections that are strictly under WisDOT jurisdiction*
Area Communities Apply for Bicycle Friendly Communities Awards

The Madison area is renowned for its bicycle facilities, and the League of American Bicyclists’ Bicycle Friendly Community award program showcases the hard work and investments that have made the region such a marvelous place to bike, whether for commuting, recreation, or fitness.

Five area communities and the UW-Madison received awards in 2015: the City of Fitchburg (Silver); City of Middleton (Bronze); City of Monona (Bronze); City of Madison (Platinum - one of only five in the country!); Dane County (Bronze), and UW-Madison (Gold). These five communities make up 28% of all of the Bicycle Friendly Communities in Wisconsin.

The Cities of Fitchburg and Madison, and the UW-Madison, recently re-applied for certification. The Cities of Sun Prairie and Verona applied for certification for the first time this year. Dane County and the Cities of Middleton and Monona were unable to re-apply in this round, but plan to do so in spring 2020. The Village of Oregon plans to apply for the first time in 2020. The League requests that bicyclists familiar with any of the communities that applied complete a survey for each community they ride in to assist in evaluating the local cycling environment. The survey is open through September 22, 2019.

In partnership with the Healthy Kids Collaborative, MATPB assisted these communities in gathering the information required to complete the roughly 52-page application, which is organized around the “Five E’s”: Enforcement, Education, Engineering, Evaluation, and Encouragement. Dozens of metrics are required, including: lane miles of various types of on-street and off-street facilities; number of traffic crashes involving bicyclists; participation in programs such as Safe Routes to Schools; number of police officers trained regarding bicycle safety; and maintenance of bicycle facilities. In addition to providing data and maps, MATPB provides ongoing support of bicycle-friendly policies and projects (more information here).

The 2019 Bicycle Friendly Community awards will be announced in November – watch the MATPB Facebook page for an announcement of how each community scored!

Bicycle Friendly Business Applications

The Madison area is also home to 16 of the 44 Bicycle Friendly Businesses in Wisconsin (36%). With Bicycle Friendly Business applications due October 10, we hope to grow the number of local award-winners!
Zia Brucaya, AICP, joined MATPB as the transportation options program manager/transportation planner in July 2019. She will provide support for transportation demand management (TDM) initiatives in the Madison MPO Planning Area, including managing the Rideshare Etc. program and working with partners to expand the availability and use of transportation options.

Prior to joining the MPO, Zia was a senior planner with Urban Assets, leading public engagement for major area projects including the East-West BRT Corridor Study, North Fish Hatchery Road reconstruction, and Monroe Street reconstruction. Prior to returning to Madison in 2014, Zia worked with partners throughout Indiana to advance active transportation policy and planning.

Zia earned her M.S. in urban and regional planning from the UW-Madison and her B.A. in art history from Beloit College. She is a volunteer coach for Girls on the Run of South Central Wisconsin and enjoys hiking, biking, and exploring new places.

To learn more about Rideshare Etc., Guaranteed Ride Home, and other resources, call Zia at 608-266-7433 or email rideshare@cityofmadison.com.