Madison East-West Bus Rapid Transit (BRT) Planning Study

Public Meeting 3
Working Locally Preferred Alternative

Madison Senior Center | August 29, 2019 | 6:00-7:30 PM













INTRODUCTIONS + AGENDA

City Staff

City of Madison

- Tom Lynch, Director of Transportation
- David Trowbridge, Project Manager
- Mike Cechvala, Planner

Metro Transit

- Drew Beck, Planning Supervisor
- Tim Sobota, Metro Planner

+ Madison Area Transportation Planning Board (MATPB)

- Bill Schaefer, Transportation Planning Manager
- Zia Brucaya, Transportation Planner

Consultant Team



Tonight's Agenda

- 1. Welcome, Presentation and Q+A (40 minutes)
 - Transportation planning context
 - Project overview and public engagement to date
 - Route options and working locally preferred alternative
 - Next steps and schedule
- 2. Upstairs Open House (50 minutes)
 - 3 rooms: west, central, east
- + Please fill out the worksheet with your comments!

Ground Rules

- + Ask clarifying questions as we go (explain a term or repeat a statement).
- + Save other questions for the Q&A we may be planning to answer them!
- + Share your speaking time with others.

BRT PLANNING CONTEXT







Employment

200,000 jobs in 2010

- +85,000 projected for Dane Co 2050
- +45,000 projected for Madison 2050
 - +10,000 in Isthmus







Transit is efficient

http://i.imgur.co m/kw8DaST.gif

What is Bus Rapid Transit?

BRT has:

- Very high level service, similar to but one step down from light rail.
- Typically over 50 percent of the route will have dedicated bus lanes, giving buses an advantage in congestion.
- 10-15 minute service levels 6 am to 12 midnight.



Cleveland's Health Line BRT



Example of dedicated bus lanes

In 2018 the Federal Transit Administration funded more miles of bus rapid transit than any other type of transit improvement.

North American Transit Construction 2018





BRT is Just A Part of an Overall Transit Initiative

Transit Initiative

- Access Low Income/school passes
- Safety Rehabilitate E Washington Avenue Bus Garage
- Expanded Service Satellite Bus Garage
- Bus Rapid Transit
- Service to Outlying Communities
- Improve Peripheral Bus Service
- Expand and Add Park and Ride Lots
- No-emission Buses

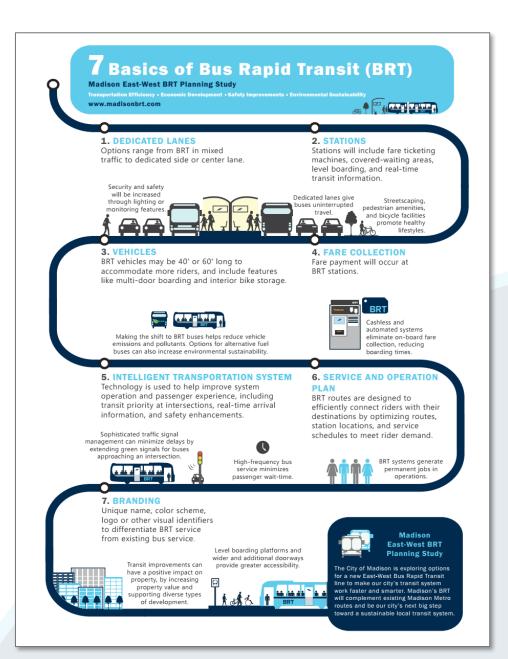


PROJECT OVERVIEW

Goals, Key Steps, Public Engagement Process and Input To Date

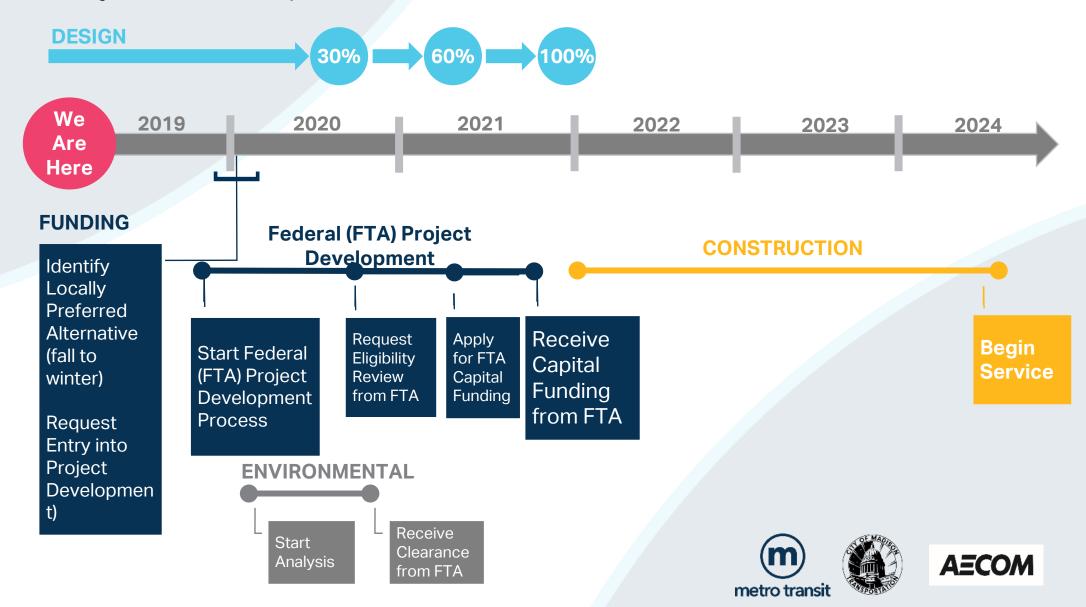
Benefits of BRT

- Improved mobility
- + Future growth and development
- Improved access to employment and education
- + Increased quality of life
- + More sustainable community



MADISON EAST-WEST BRT PLANNING STUDY

Project Development Process



Current Project Study Goals

- Develop a plan for Madison's first BRT route
- + Build community support
- Identify local funding sources
- Set the stage to apply for Federal funding



Current Project Key Steps

We Are Here

Phase I

- Winter 2018-2019
- Develop Initial Options

Phase II

- Spring/Summer 2019
- Evaluate Options (public engagement, engineering)

Phase III

- Fall 2019
- Select Preliminary Locally Preferred Alternative (LPA)
- Refine Details

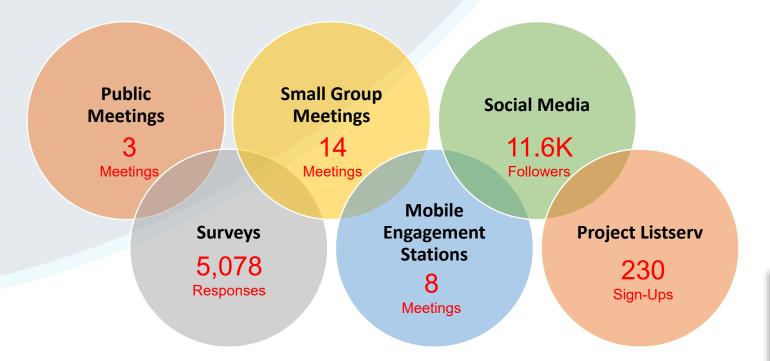
Federal Funding, Design, Construction

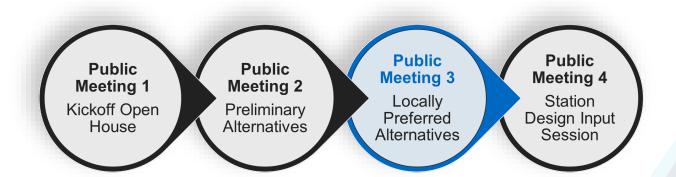
- 2020-2024
- Obtain Federal Capital Funding
- Finalize Local Funding
- Complete Design

Opening Day Target: August 2024

Public Engagement

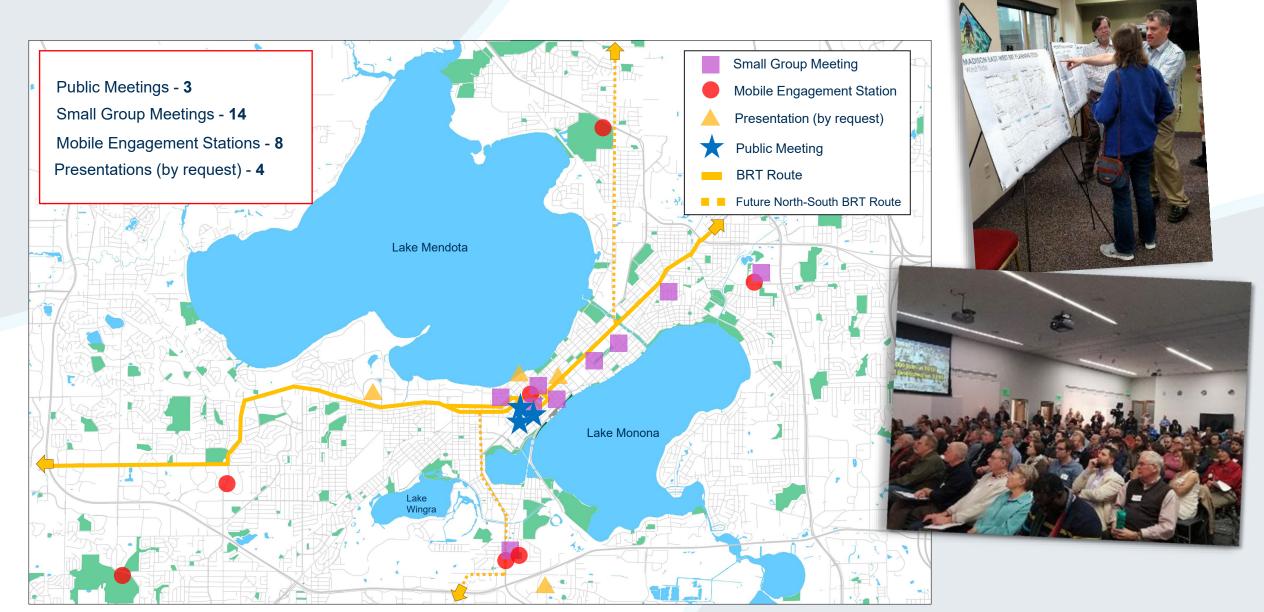
Public Engagement to-Date







Public Engagement Outreach

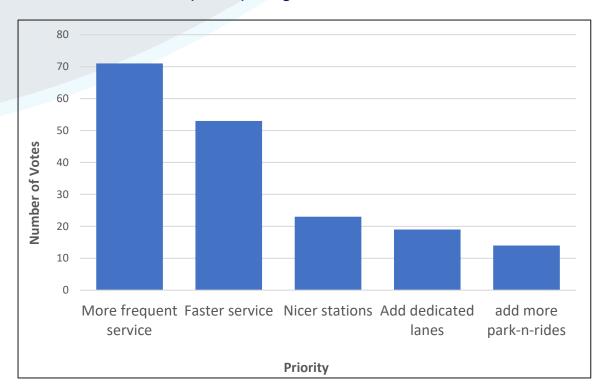


Public Meeting Results

PUBLIC MEETING 1

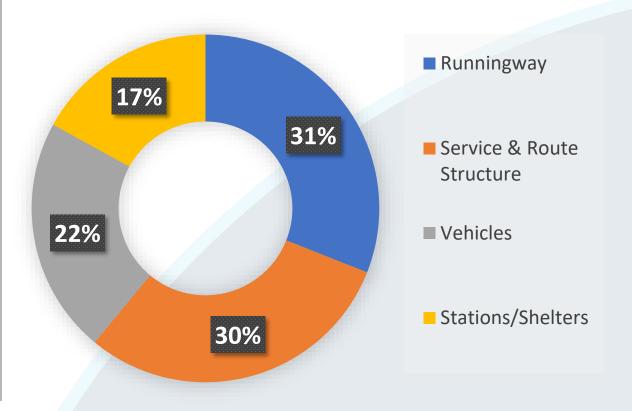
Public Meeting 1 Priorities

Each participant given 3 dots or "votes"



PUBLIC MEETING 2

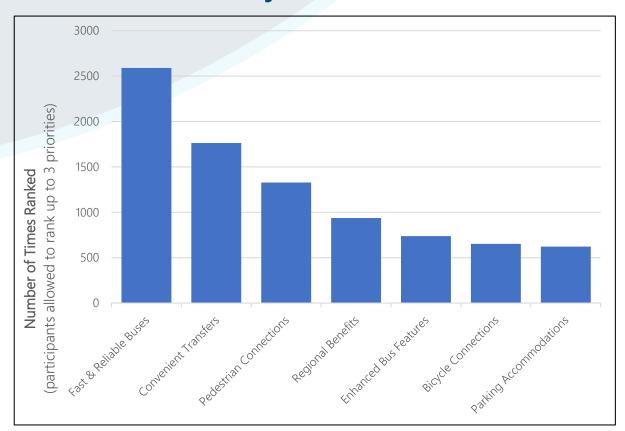
BRT Budget Allocation Priorities



Community Survey Results

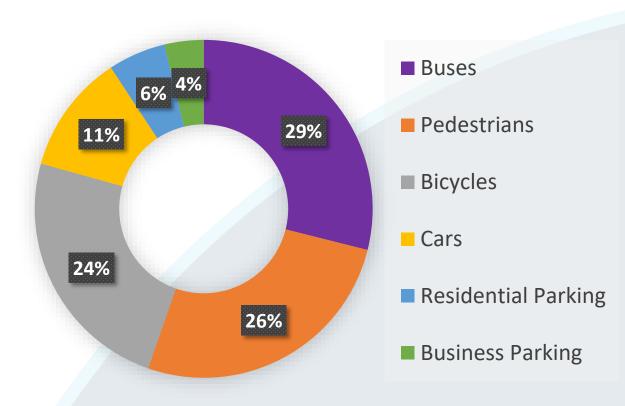
SURVEY 1

Survey 1 Priorities



SURVEY 2

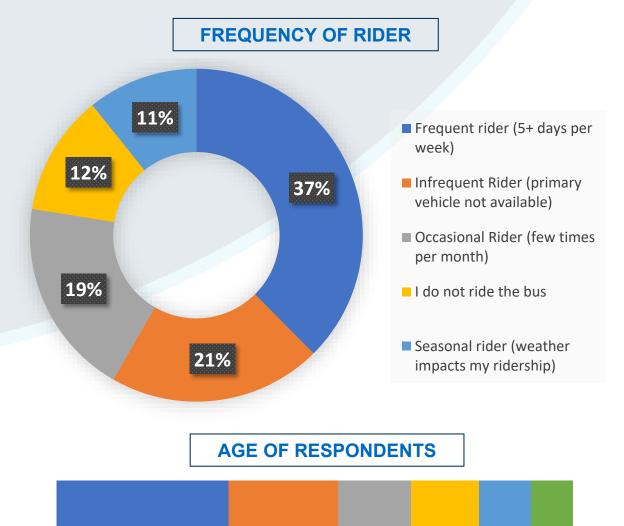
Right-of-way Space Priorities



Who We Heard From - Survey 1&2

65+

18 - 24



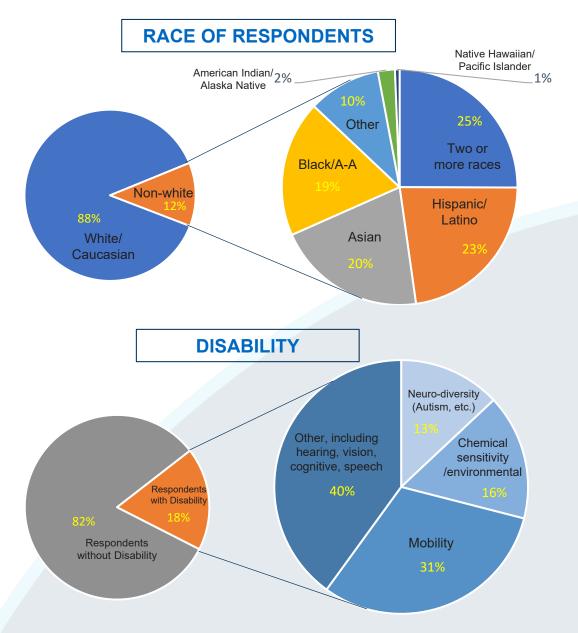
35 - 44

21%

55 - 64

25 - 34

33%



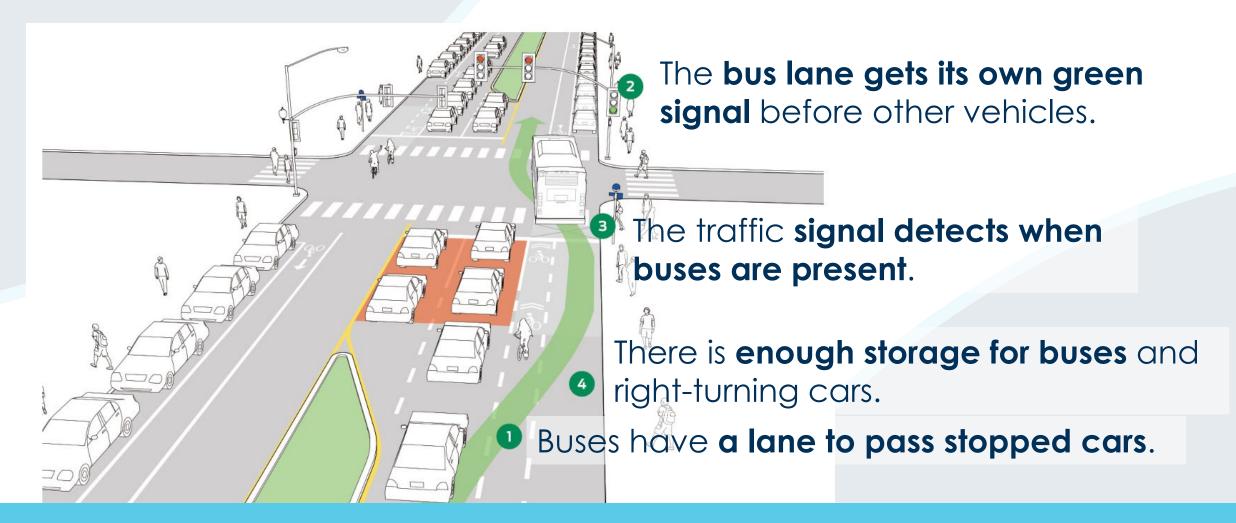
MADISON EAST-WEST BRT Running Way Options

BRT Runningway Options



Curbside Dedicated BRT Lanes: remove one lane of traffic or parking

BRT Runningway Options

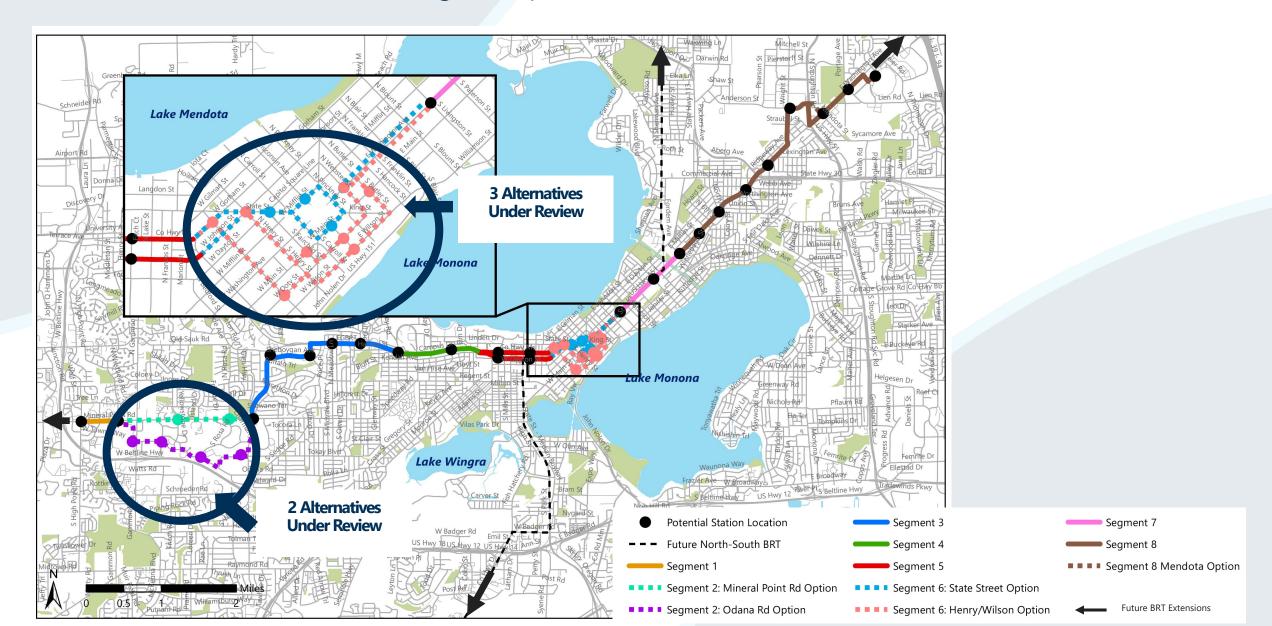


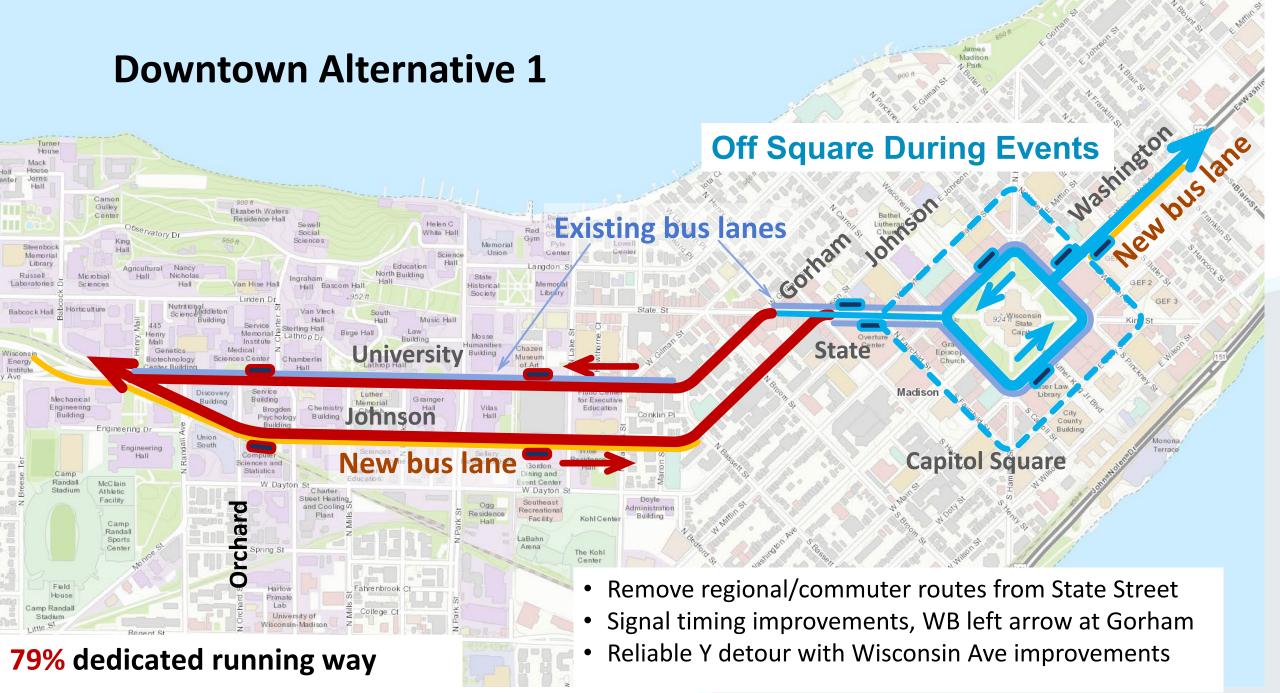
BRT Operates in Mixed Traffic: transit signal priority and queue jumps

MADISON EAST-WEST BRT Route Options and Working Locally Preferred Alternative

MADISON EAST-WEST BRT PLANNING STUDY

Working Locally Preferred Alternative Route

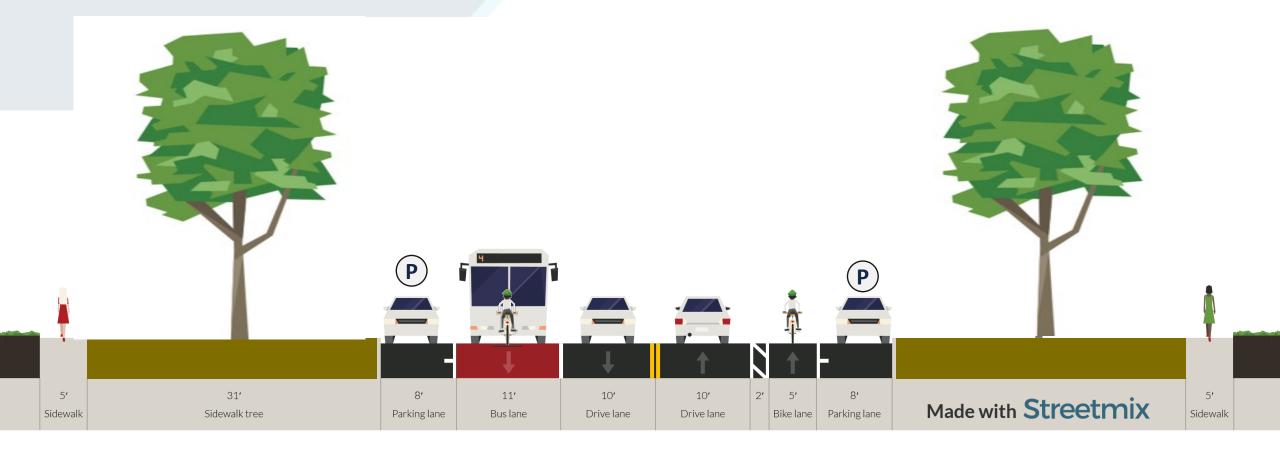








West Washington Changes with Alt 1

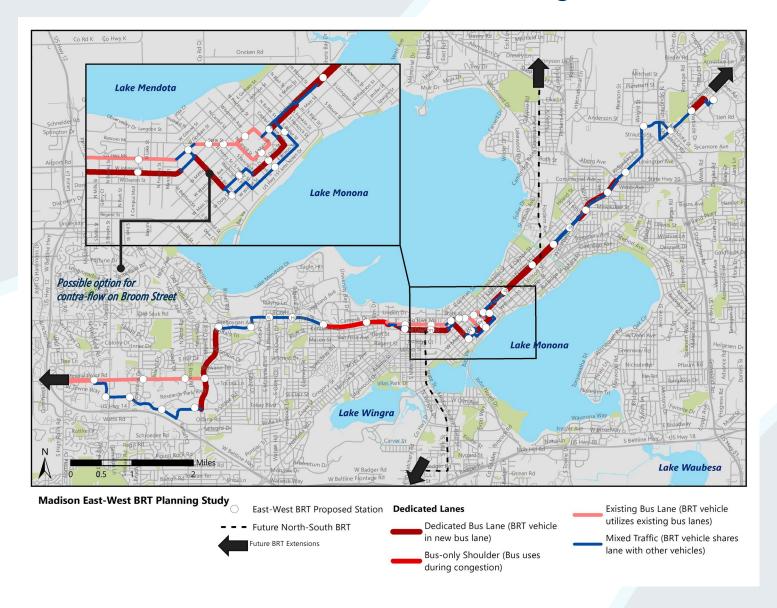


Wilson Street – Two-way Cycle Track



MADISON EAST-WEST BRT PLANNING STUDY

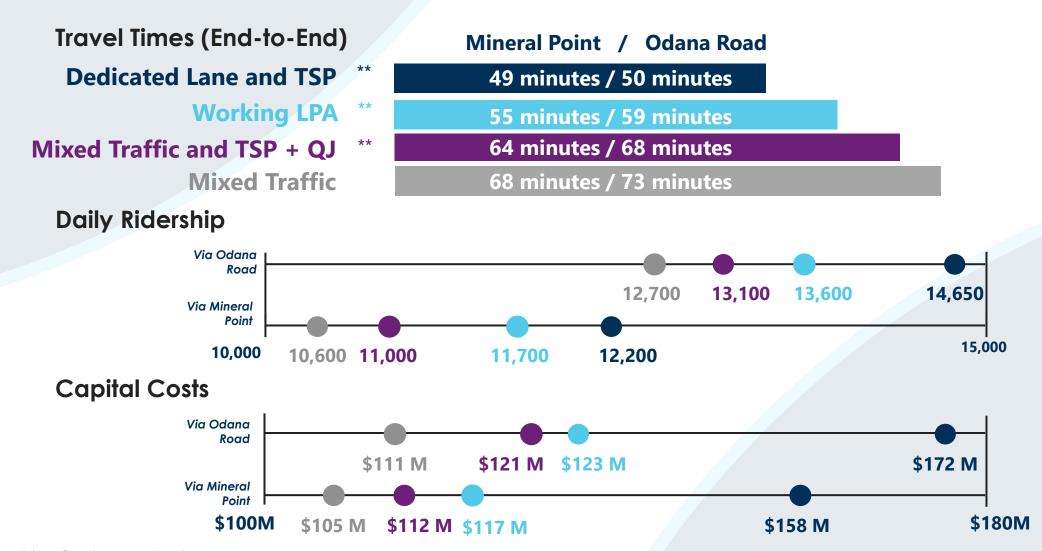
Location of Dedicated Lanes for Working LPA



Between 45% and 55% Dedicated Running Way

MADISON EAST-WEST BRT PLANNING STUDY

BRT Travel Time, Ridership, Capital Costs*



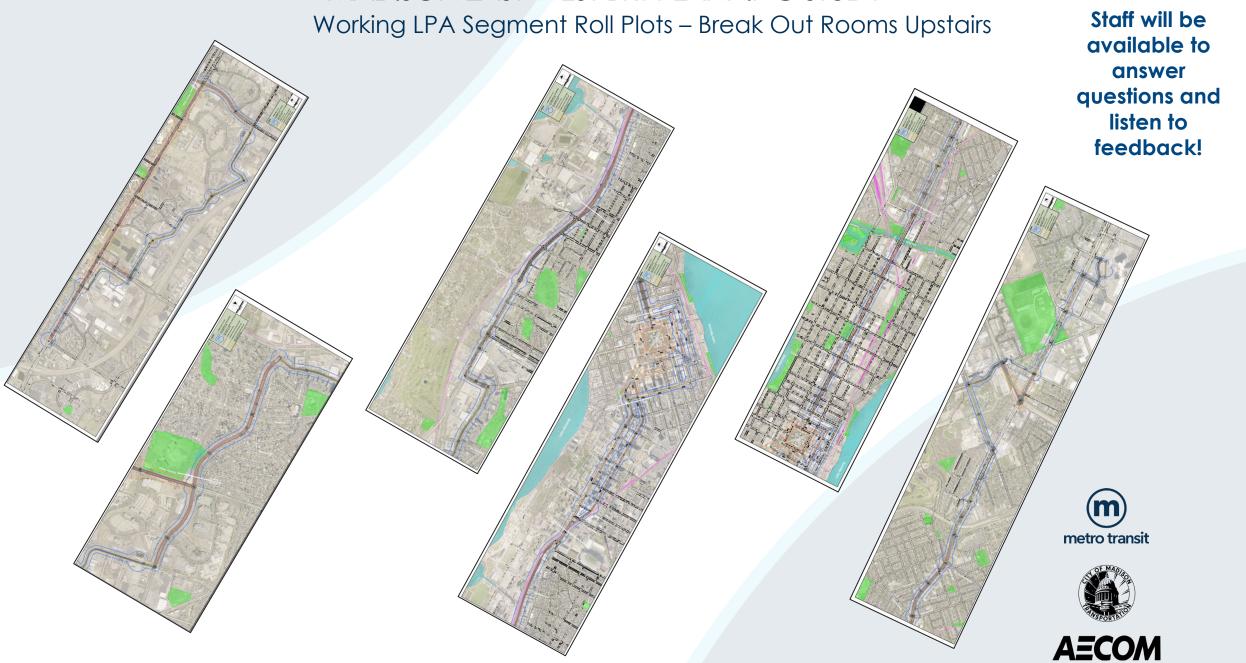
^{*} All data reflects the Broom/Wilson downtown option

^{**}LPA = Locally Preferred Alternative, TSP = Transit Signal Priority, QJ = Queue Jump

MADISON EAST-WEST BRT PLANNING STUDY Capital Costs for Working LPA Odana and Broom/Wilson Options

Cost Categories	Working LPA Cost (\$2019 in millions)
Dedicated Lane Marker (Paint)	\$2
Stations and Shelters	\$24
Maintenance Facility	\$7
Roadway Improvements	\$19
Transit Signals and Intersection Improvements	\$22
Right-of-Way Acquisition	\$1
Electric Buses	\$30
Engineering, Environmental, and Construction Design	\$17
Contingencies	\$4
Total	\$120-\$130 million
Federal Contribution	(up to) \$100 million
Local (Non-Federal) Contribution	\$20-\$30 million

MADISON EAST-WEST BRT PLANNING STUDY



Next Steps

- Fall 2019: PIM #4/Station Design Input Session
 West and Central Routing Input Session
- Fall 2019-Winter 2020: Apply for entry into federal funding process
- + **2020:** Continued planning, community engagement and system design

What we want to hear from you:

- + Questions, concerns, preferences regarding:
 - West side routing alternatives (Odana or Mineral Point Road)
 - Downtown routing (three alternatives)
 - Capital costs
- + Please fill out the worksheet with your comments!

Thank You!

- + www.madisonbrt.com
- + @cityofmadison
- + @mymetrobus
- + Project Contacts:
 - David Trowbridge, City Project Manager dtrowbridge@cityofmadison.com
 - Marcus Pearson, Public Engagement Marcus@urbanassetsconsulting.com

