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

Update to Joint Campus Area Committee (JCAC) – October 30, 2019











Bus Rapid Transit (BRT)

Madison East-West Corridor Project Development



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
- Special **intersection treatments** to help speed up buses in traffic
- 10-15 minute service levels 6 am to 12 midnight



Cleveland's Health Line BRT

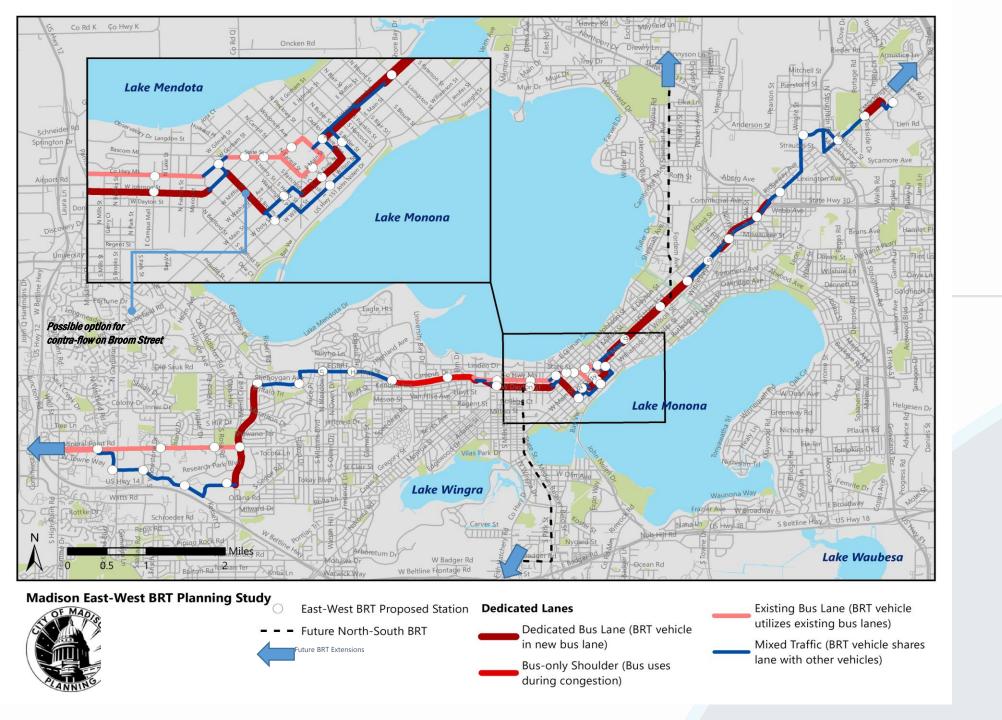


Example of dedicated bus lanes









Location of Dedicated Lanes for Working LPA

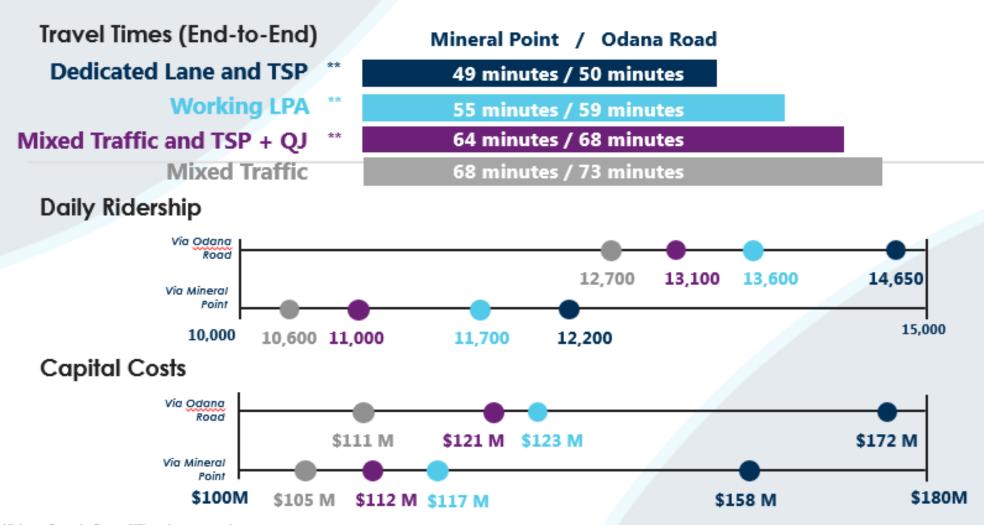
BRT Runningway Options



Curbside dedicated BRT lanes: remove one lane of traffic or parking

MADISON EAST-WEST BRT PLANNING STUDY

BRT Travel Time, Ridership, Capital Costs*

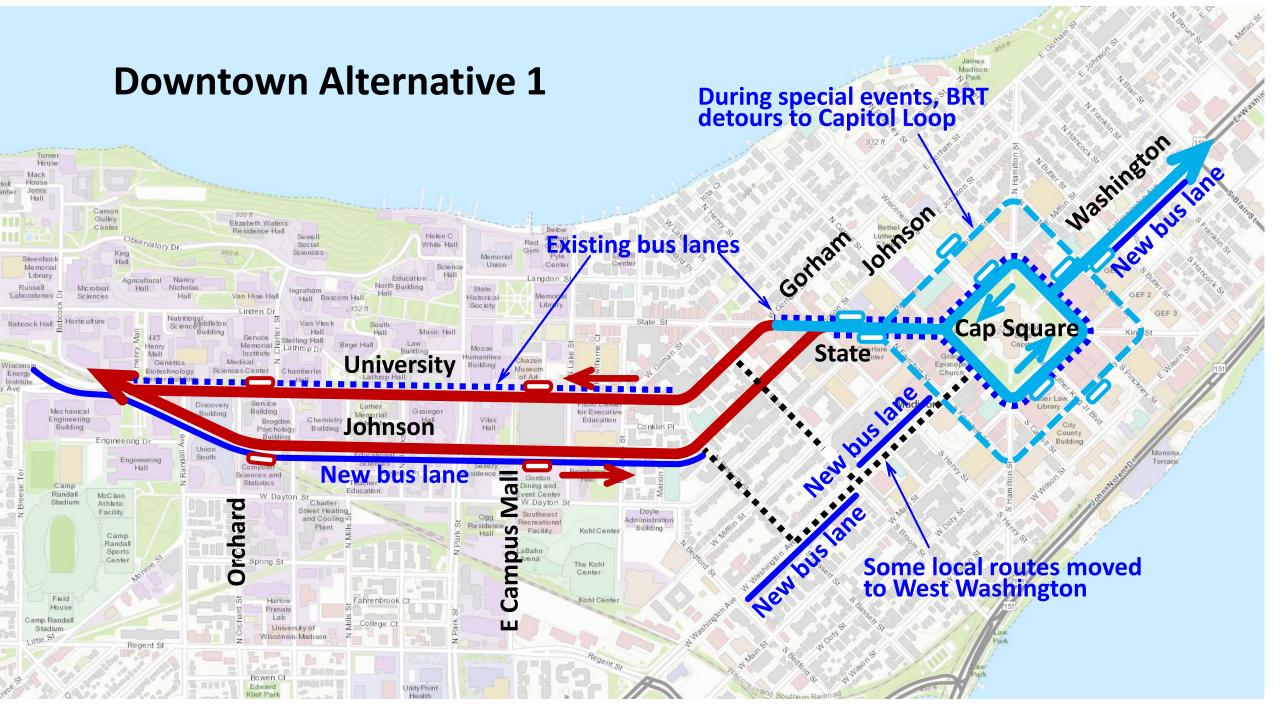


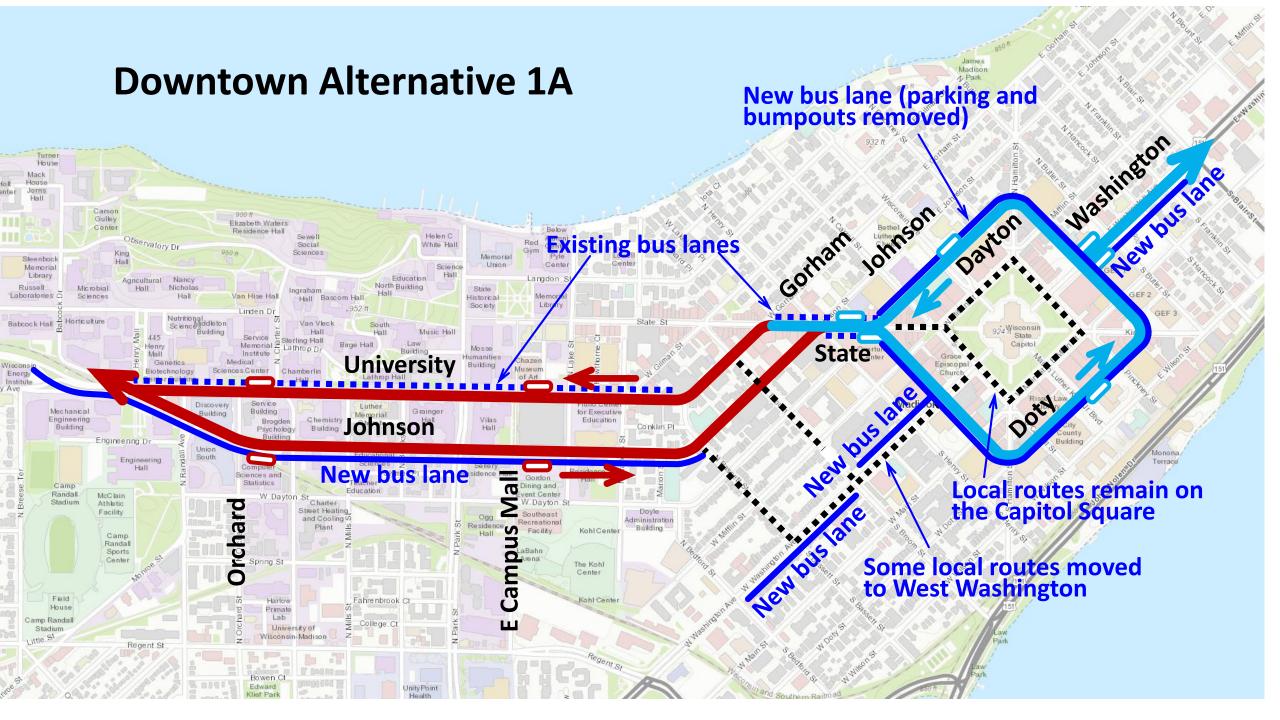
^{*} All data reflects the Broom/Wilson downtown option

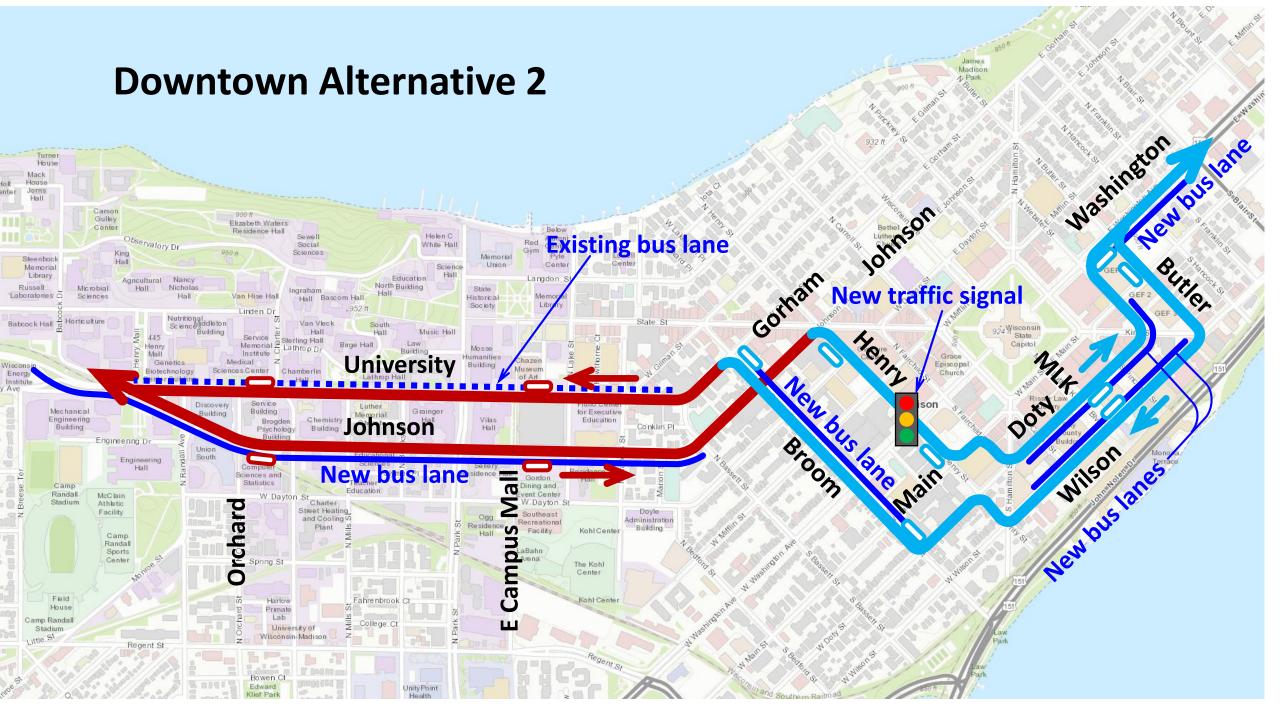
^{**}LPA = Locally Preferred Alternative, TSP = Transit Signal Priority, QJ = Queue Jump

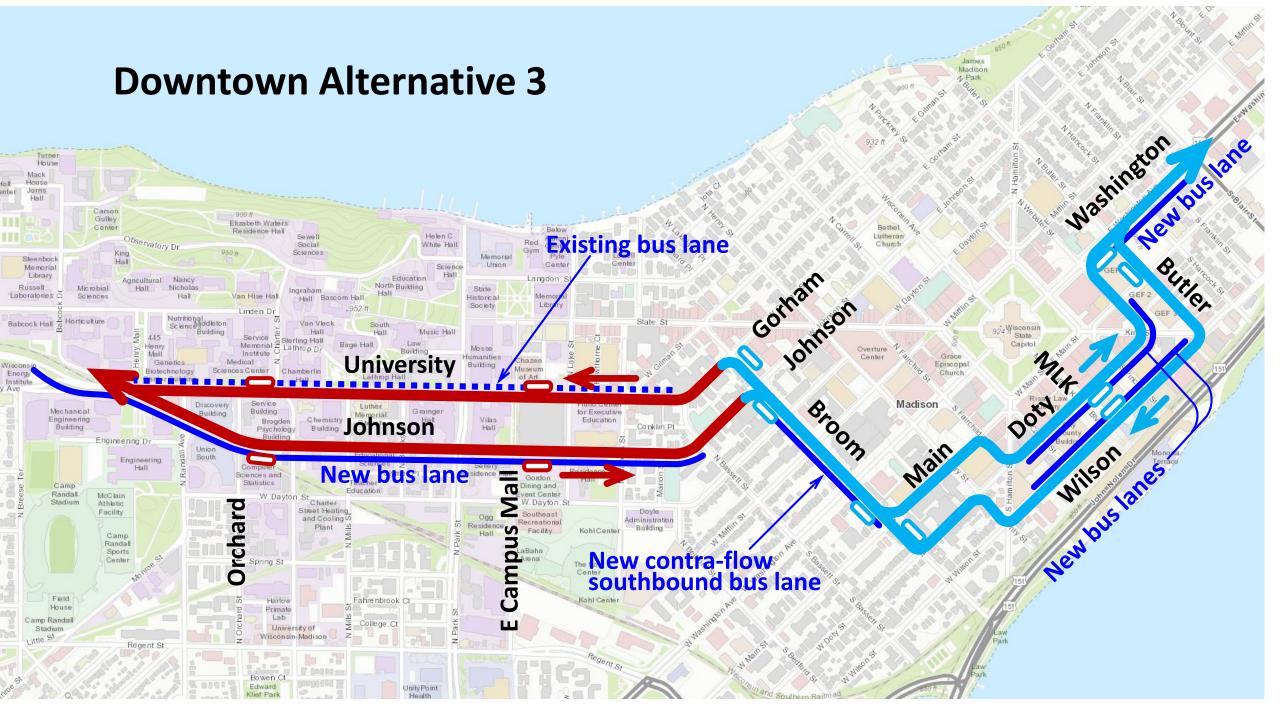
MADISON EAST-WEST BRT PLANNING STUDY Capital Costs for Working LPA

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

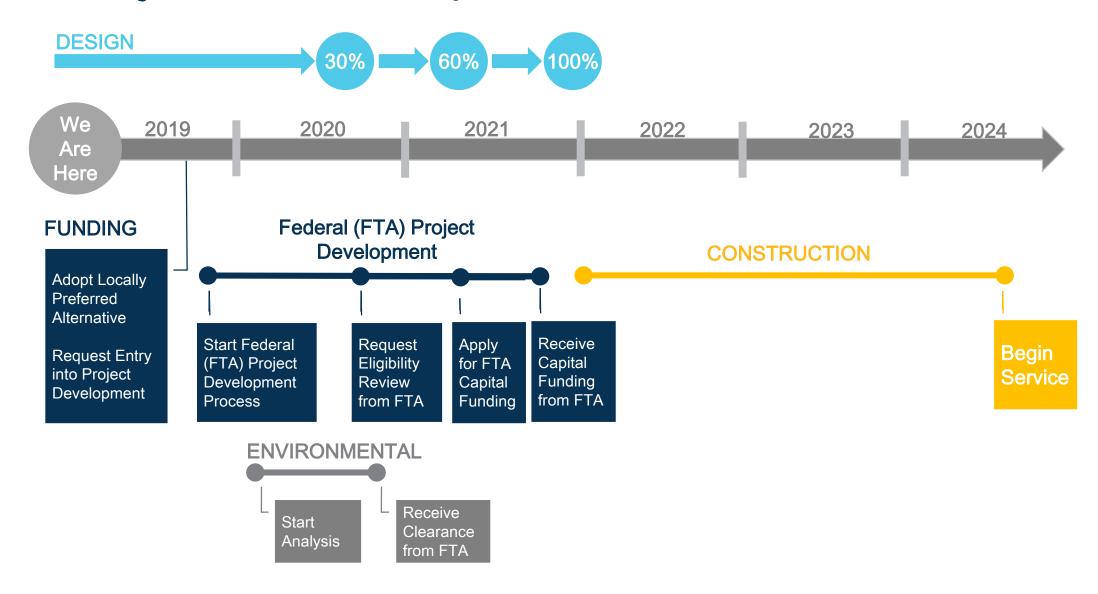








Project Development Process



Questions/Comments?

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