

Long-Range Transit and Planning Issues

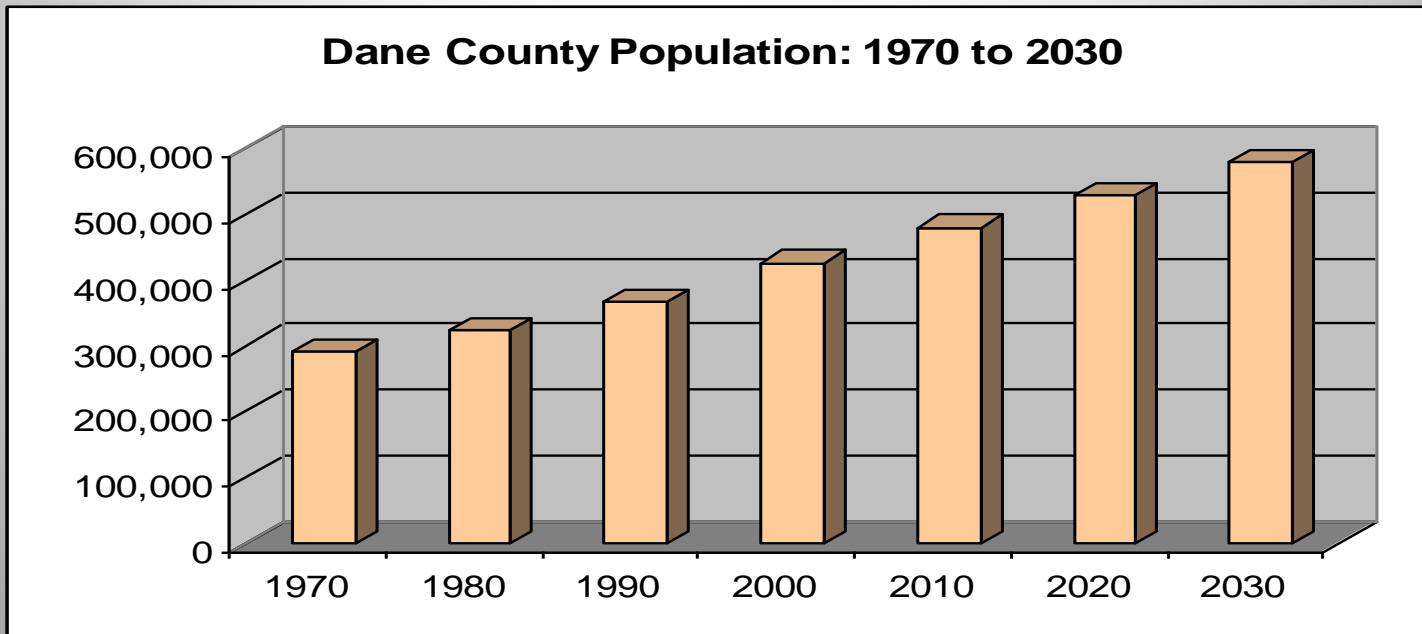
Briefing for

Alliant Energy Center Board

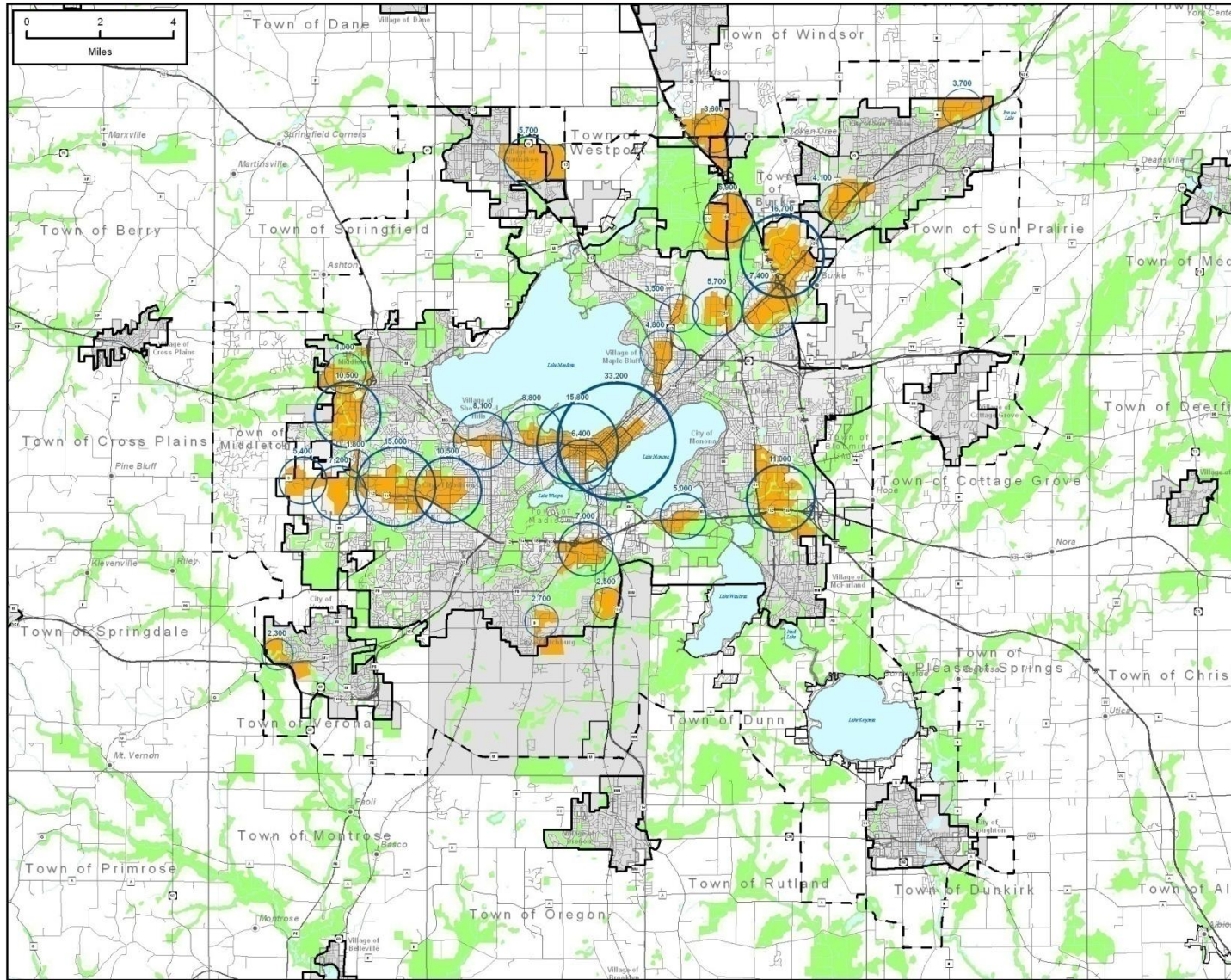
April 18, 2012

Dane County Population Growth

- From 1970-2000: 136,000 residents
 - Annual growth rate of 1.29%
- From 2000-2030: 153,000 residents
 - Annual proj. growth rate of 1.03%
 - Actual growth (2000-10) 62,000 residents (1.44%)



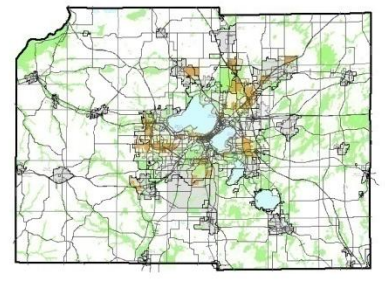
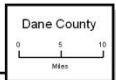
Source: Madison Area MPO



Major Employment / Activity Centers

- Major Employment / Activity Center
- Environmental Corridor
- Isolated Resource Feature
- Existing Limited Service Area
- Existing Urban Service Area
- MPO Boundary

1,200
 Projected 2030 Employment



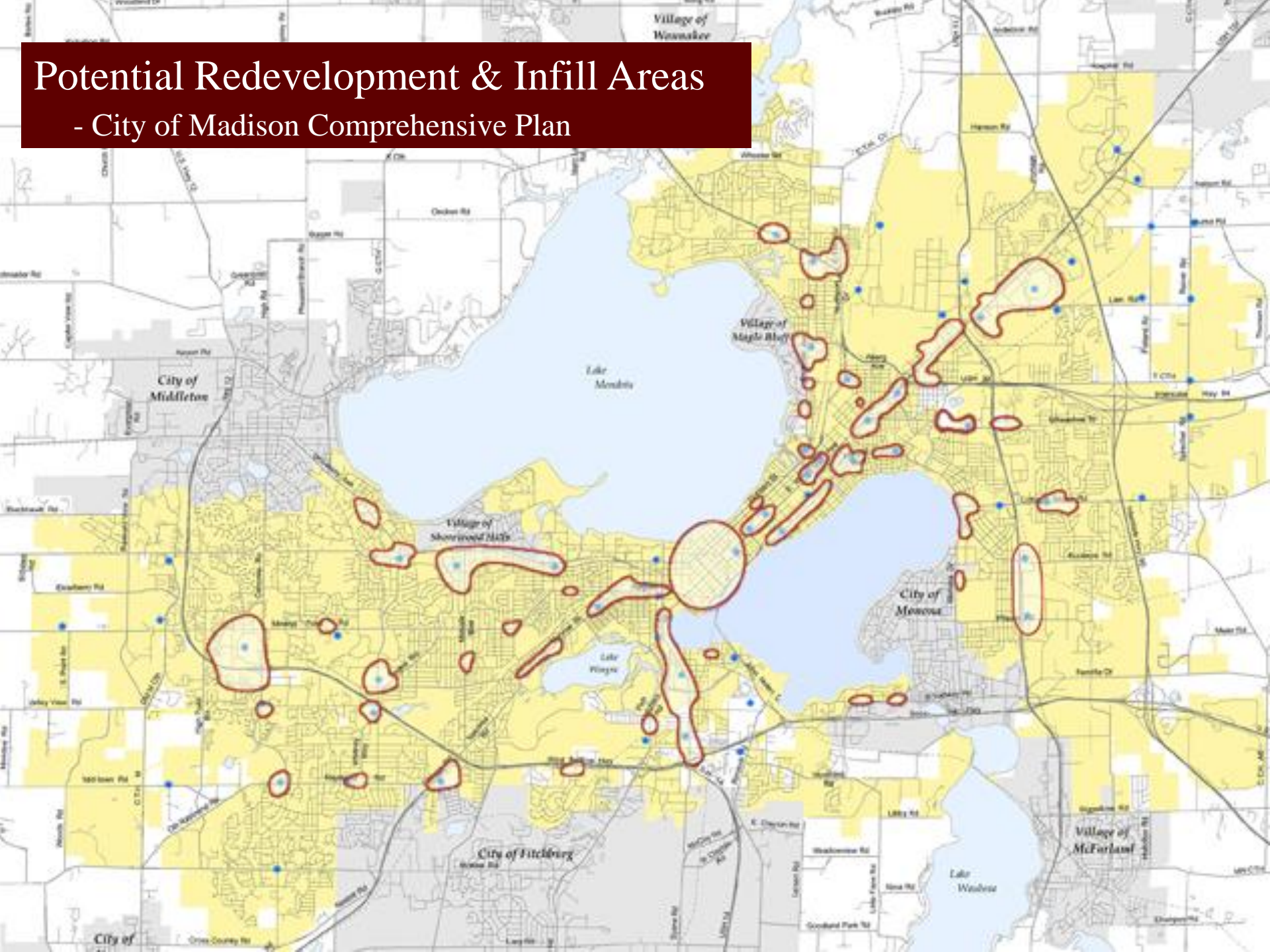
Source: Esri, StreetView, AER, Orthophoto, Terrain (NASDF/DOLO), Aerial Imagery (NASDF/DOLO), National Transportation GIS (NASDF/DOLO), GIS Data (LRS, LRT, Transportation Records (NASDF/DOLO), GIS Boundary (NASDF/DOLO)

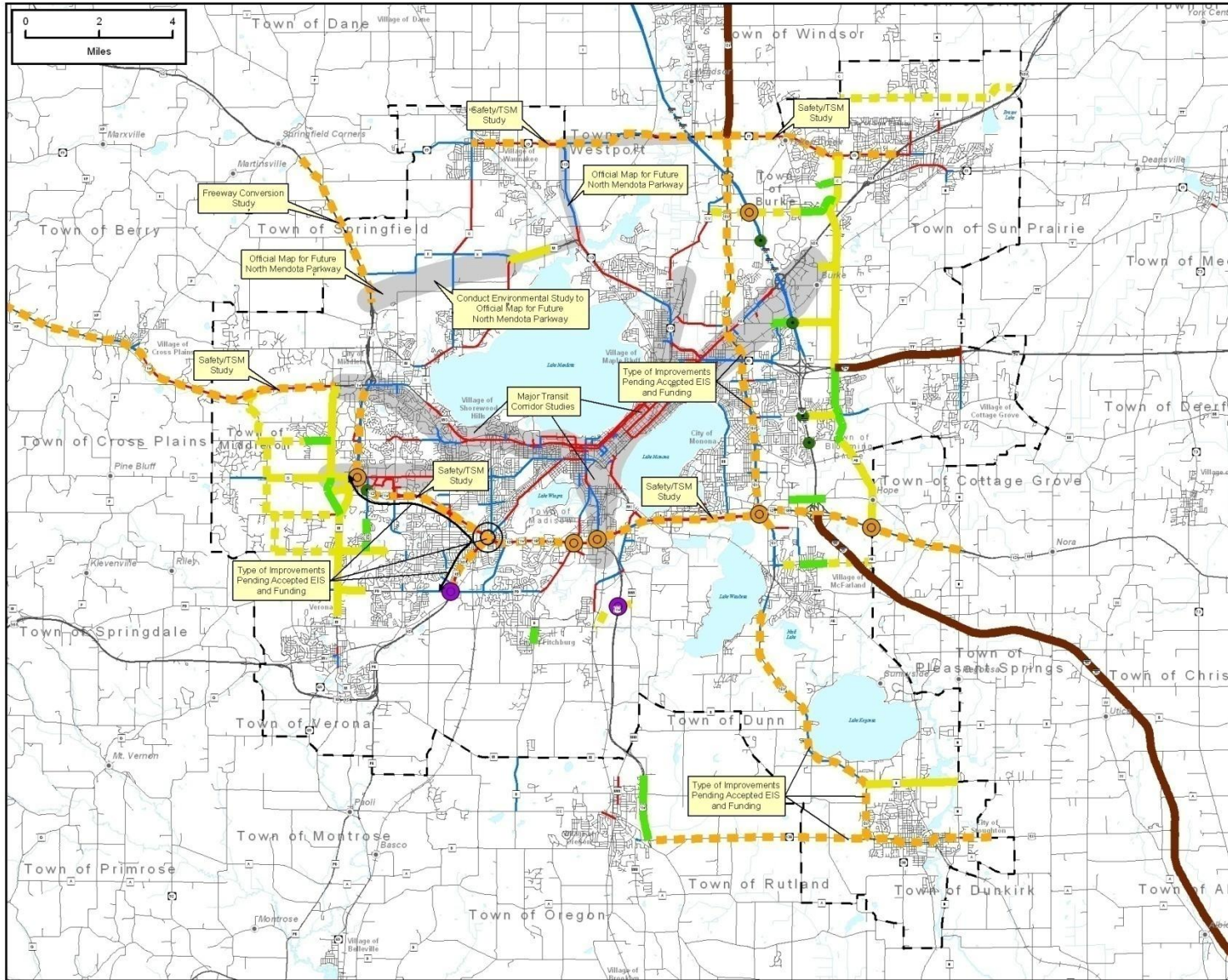
ESRI
 4/10/2010
 4/10/2010
 4/10/2010
 4/10/2010

Lambert Conformal Conic Projection
 Dane County Coordinate System - NAD 83(11)
 Rev: 11/1/2017

Potential Redevelopment & Infill Areas

- City of Madison Comprehensive Plan





Major Transportation Improvements and Studies

- Programmed Bridge Improvement
- Potential Future Interchange
- Future Interchange Study
- Expressway/Freeway Capacity Change
- Capacity Change Already Programmed
- Local Arterial Street Capacity Change
- Current and Future Studies
- - - Official Map for Future Local Arterial Street
- Congested (Unmet Need)
- Very Congested (Unmet Need)
- MPO Boundary

Scale 1:50,000
 Sheet No. 485, Geophis (Defunct) (MADP) (O&D)
 Functional Classification: 1004 (MADP), WDOT
 Regulatory Code: 1004 (MADP), WDOT
 Regulatory Code: 1004 (MADP), WDOT
 MPO Boundary 202 (MADP)
 MPO Boundary 202 (MADP)

Rail/Transit Studies: Recent History

Previous Rail/Transit Studies

- 1981 Dane County Transit Technology Corridor Study
 - 1986 Dane County Transit Priority Corridor Study
 - 1992 Light Rail Transit Corridor Study
 - 1996 Study to Evaluate Commuter Rail Implementation
 - 1997 Vision 2020 Dane County Land Use/Transp. Plan (*incl. updates*)
 - 1998 Dane County Commuter Rail Feasibility Study
- 1999-2003 Transport 2020 Alternatives Analysis
- 2005-2010: Transport 2020 Preliminary Engineering/EIS



FOR INTERNAL REVIEW ONLY

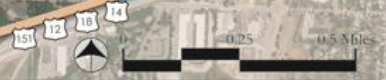


Created July 18, 2009
Revised November 29, 2009

SOUTH

MAP LEGEND

- Streetcar Study Area
- HIGH Service Potential
- MEDIUM Service Potential
- LOW Service Potential
- CR Potential T2020 Commuter Rail Station
- MF Potential Maintenance Facility
- Current Activity Area



Streetcar Route Options
Madison Streetcar Feasibility Study

DRAFT



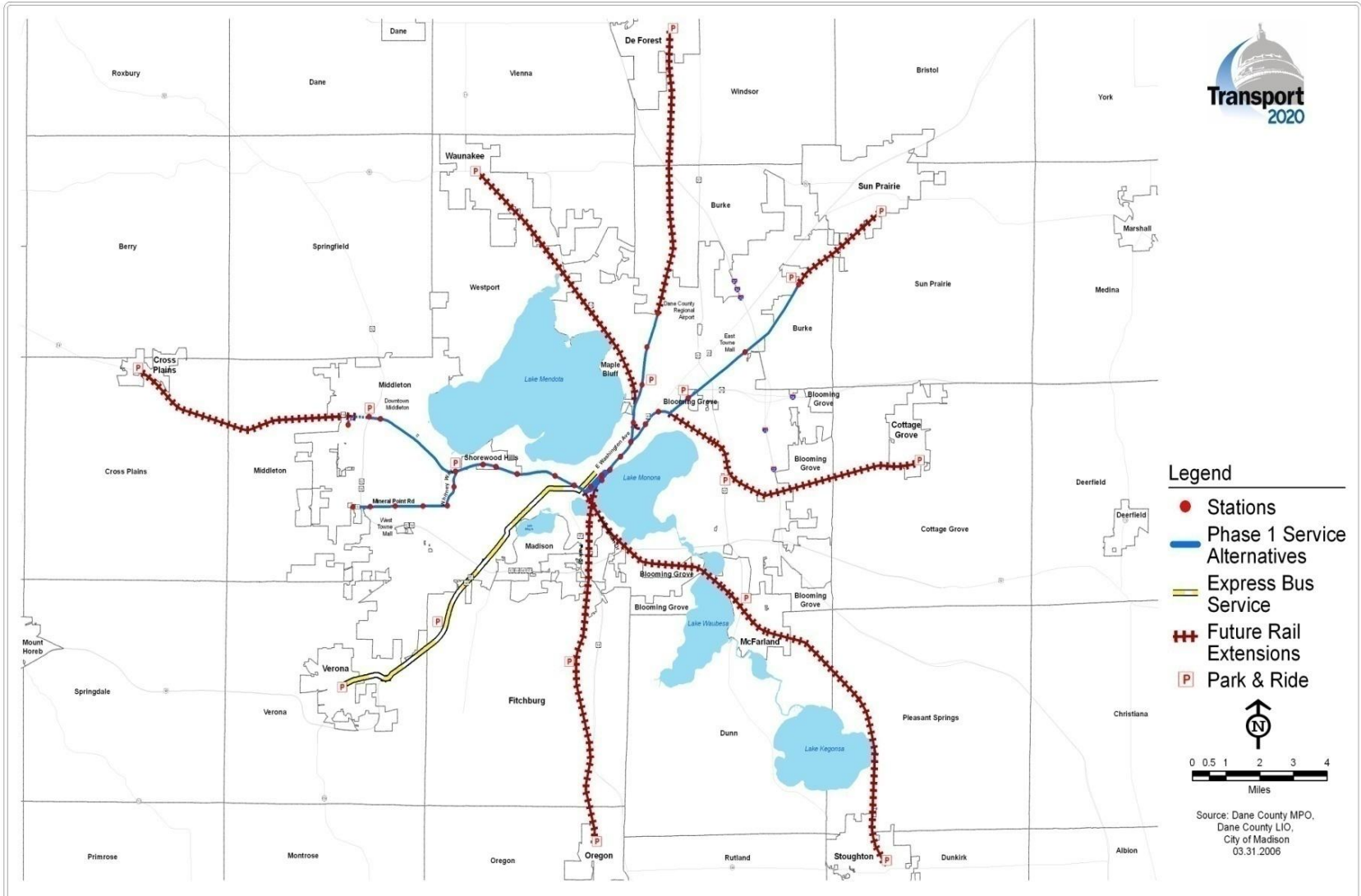
Legend

- Stations
- LPA, Railroad ROW
- - - Possible shuttle service

Source: Dane County MPO,
Dane County LIO,
City of Madison
03.31.2006

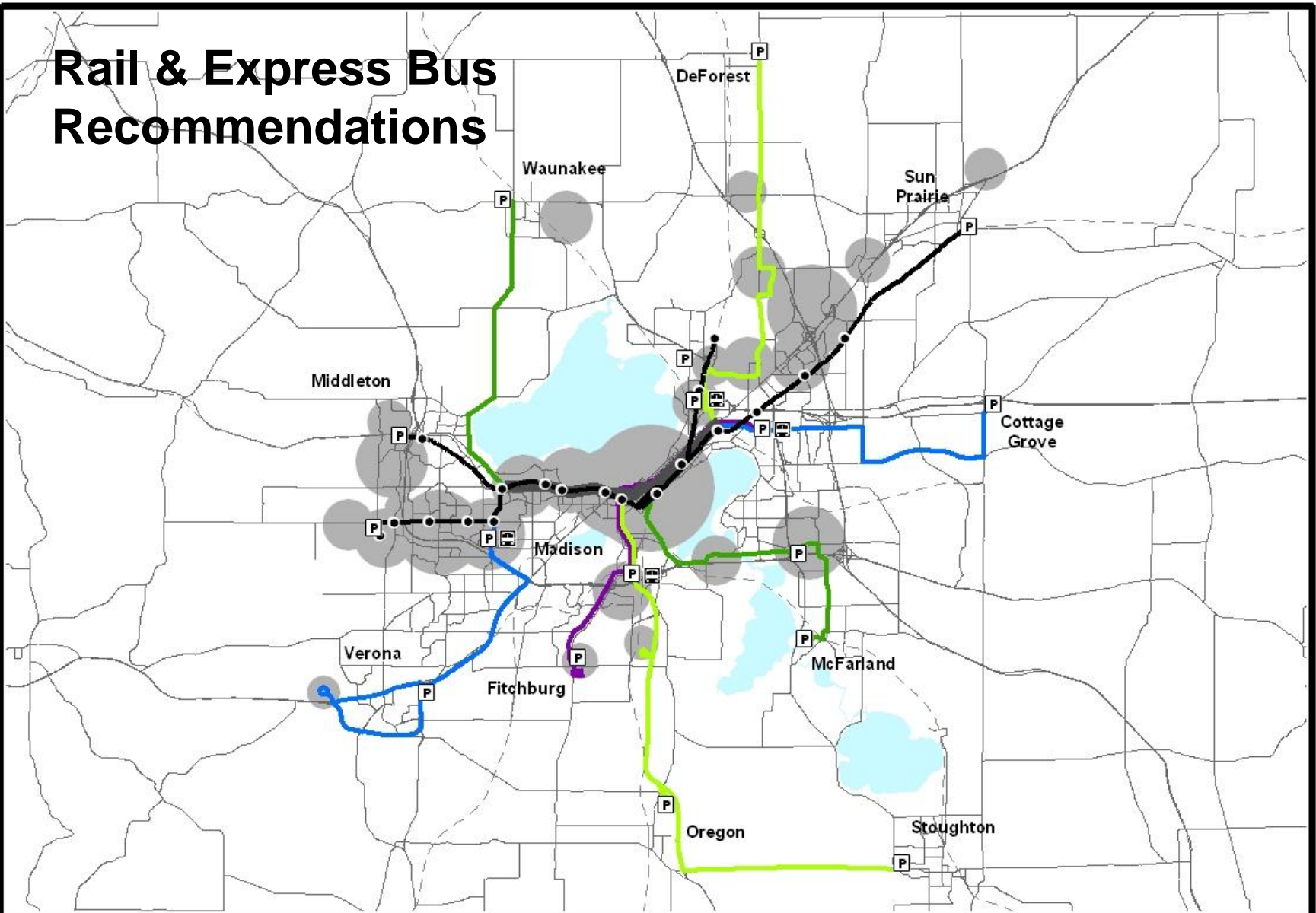
(S:\3274_TR20\Work\GIS\MapAlternatives\Alternatives_071008TRAK2020_1117_A2a.rvt) 7/26/2006 - 12:42:31 PM

Setting the Stage for the Future



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Rail & Express Bus Recommendations

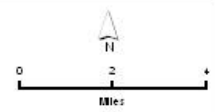


Commuter Rail (Hybrid*) Transit Alternative

- Park and Ride Lot
- Transfer Station
- Employment / Activity Center

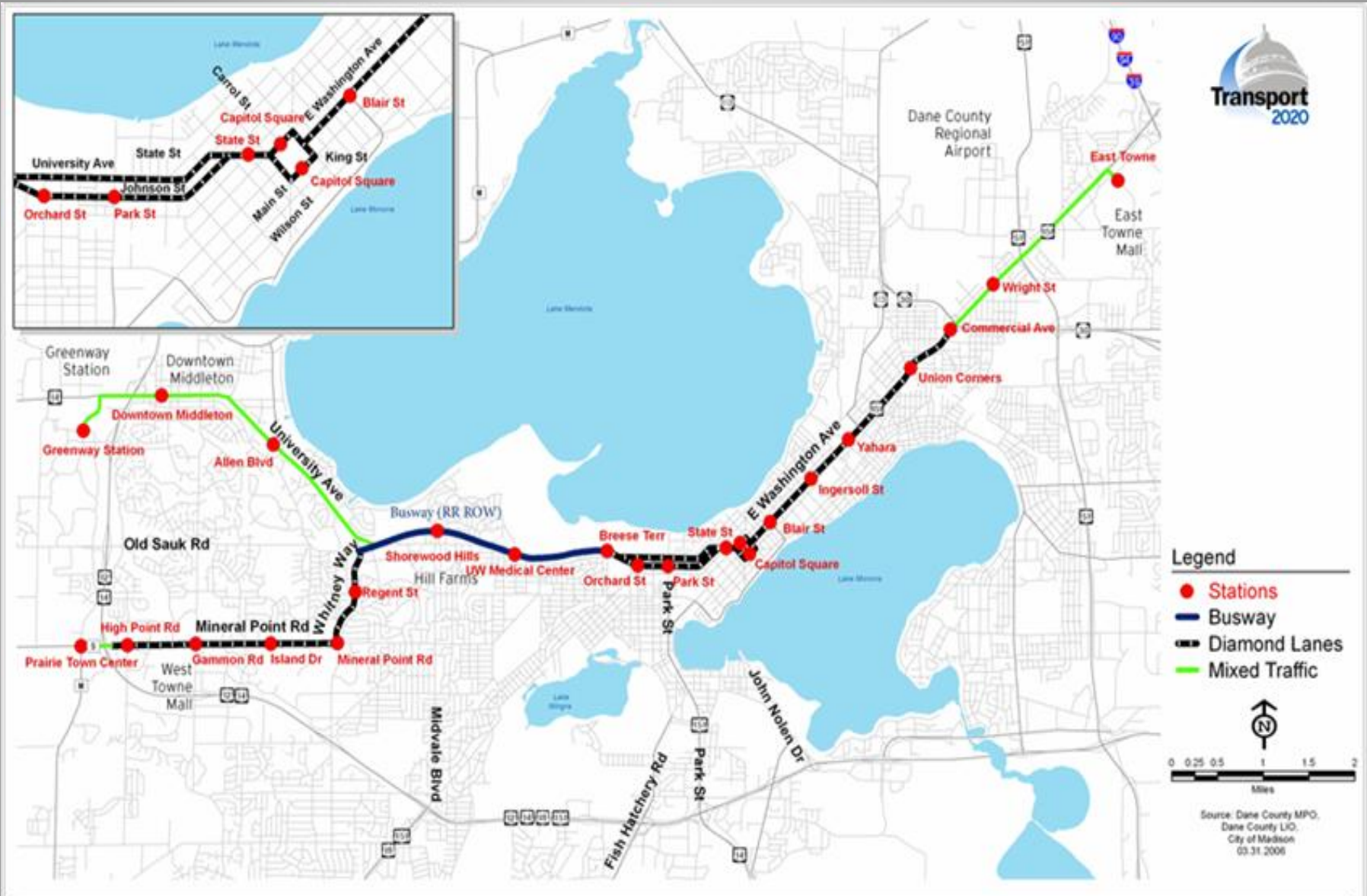
- Express Bus Routes
- Express Bus Routes
- Commuter Rail & Station

Prepared by staff to the:

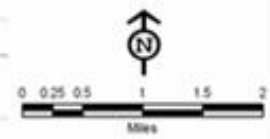


*Technology allows running on street as well as rail line.

Bus Rapid Transit (BRT)



- Legend**
- Stations
 - Busway
 - Diamond Lanes
 - Mixed Traffic



Source: Dane County MPO,
Dane County LID,
City of Madison
03.31.2008



Alternative 1 Bus Rapid Transit (BRT)

Bus Rapid Transit (BRT)

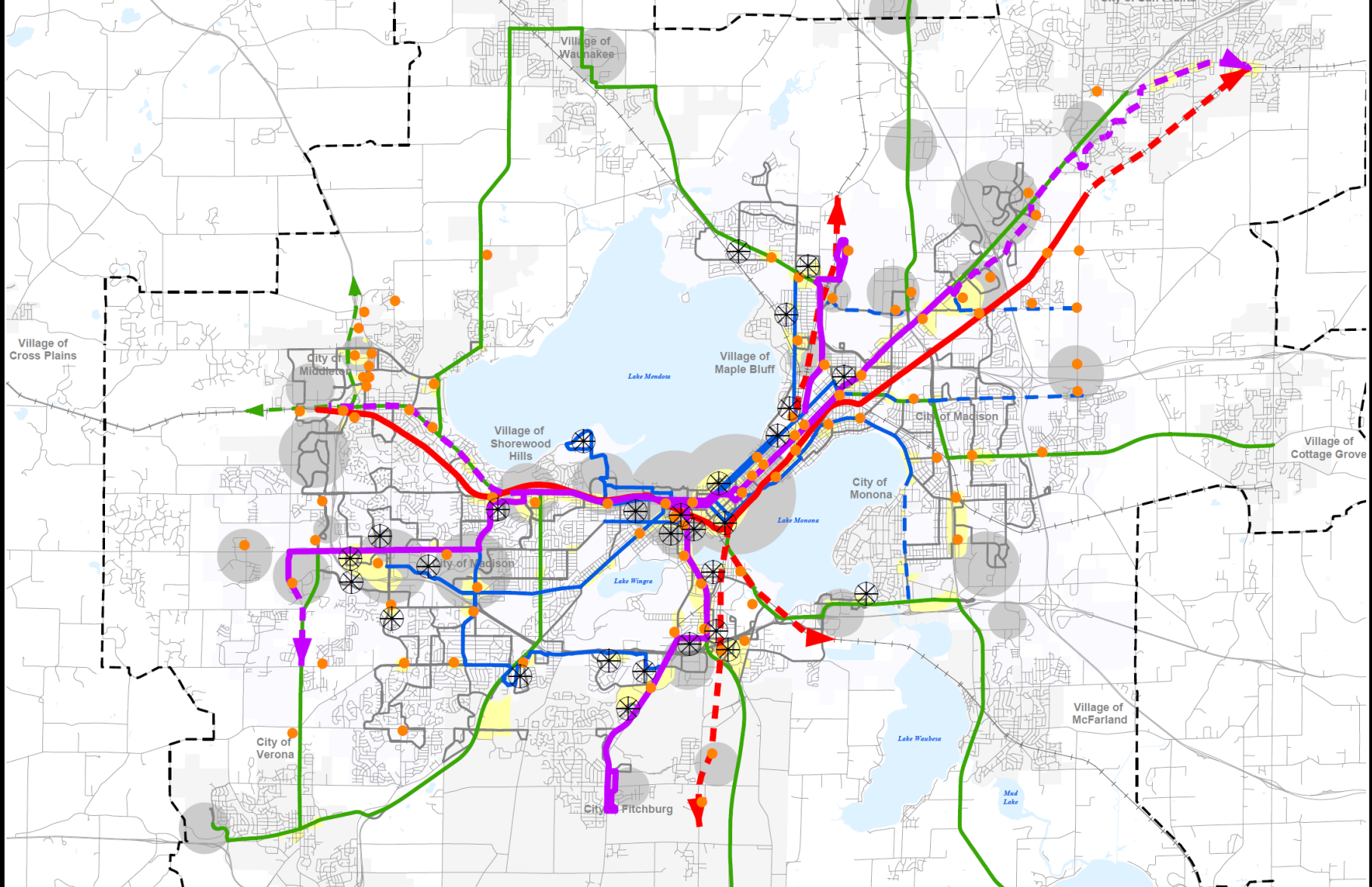


Bus Rapid Transit (BRT)





Bus Lane (University Ave)



Map 2
Regional Transit Corridors
 Madison Metropolitan
 Planning Area

- Rapid Transit (Bus)
- Rapid Transit (Rail)
- High Frequency Bus
- Express Commuter Bus
- - - Long Term Future Extension
- - - Long Term Future Extension
- - - Long Term Future Extension
- - - Long Term Future Extension

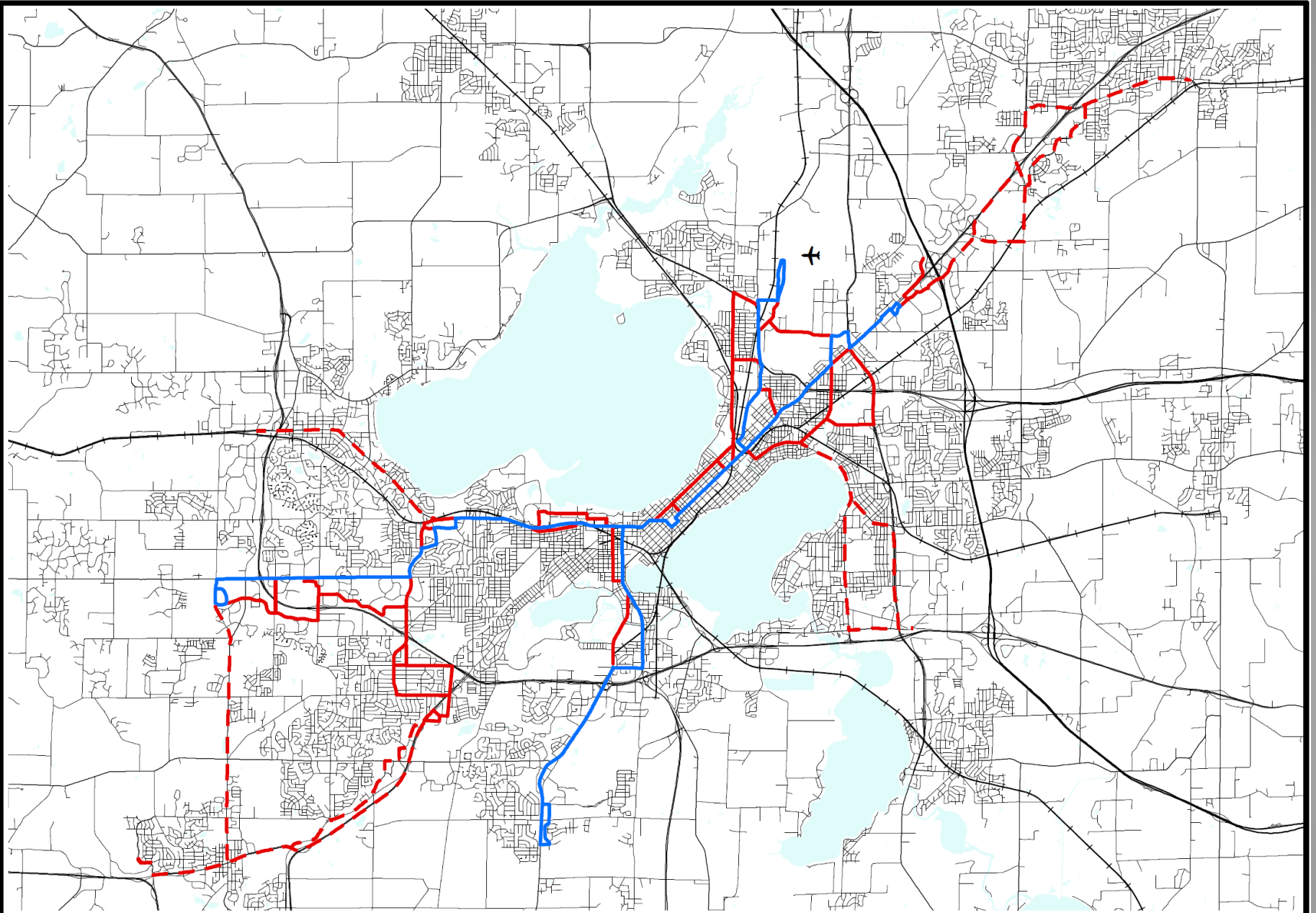
- Potential Transit Oriented Development Areas
- Transit Dependent Locations
- Potential Redevelopment & Infill Areas
- MPO Boundary
- Metro Transit Routes (2011)
- 2035 Employment Centers

Prepared by staff to the:

Madison Area
T.P.B.
 Transportation Planning Board
 A Metropolitan Planning Organization (MPO)

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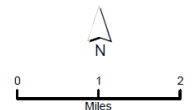
Date: 12/19/2011



Map 1
Bus Rapid Transit - Routing Alternatives
 Madison Metropolitan
 Planning Area

- Baseline Routing
- Alternative Routing
- - Potential Extension Alternative

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