

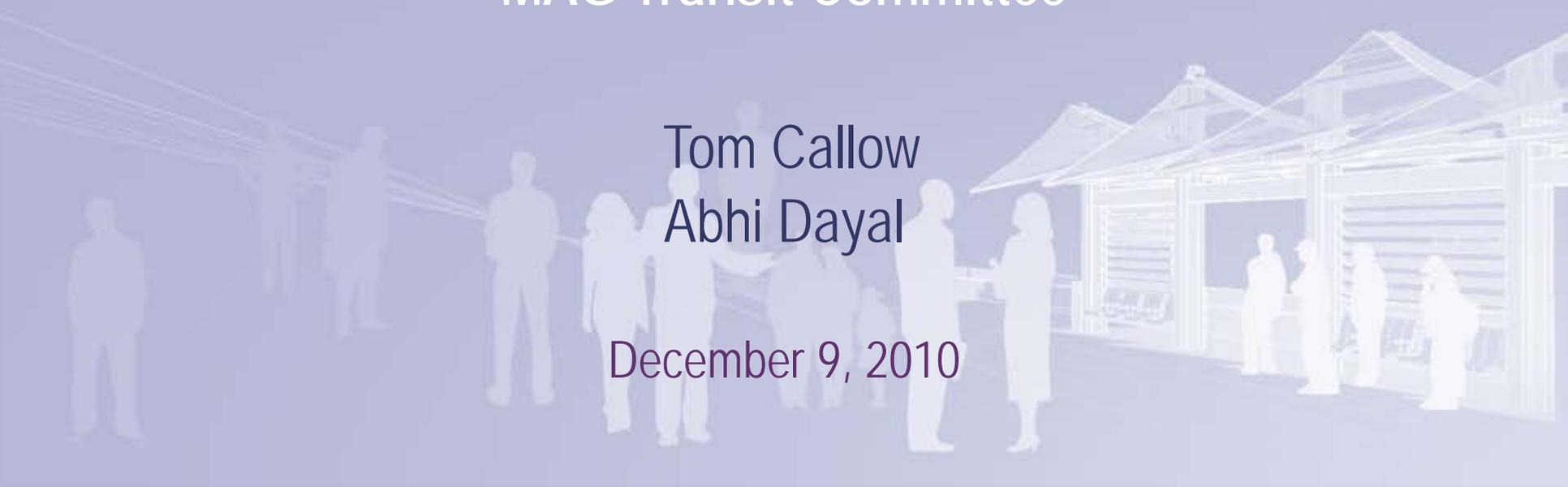


Phoenix West Alternatives Analysis Update

MAG Transit Committee

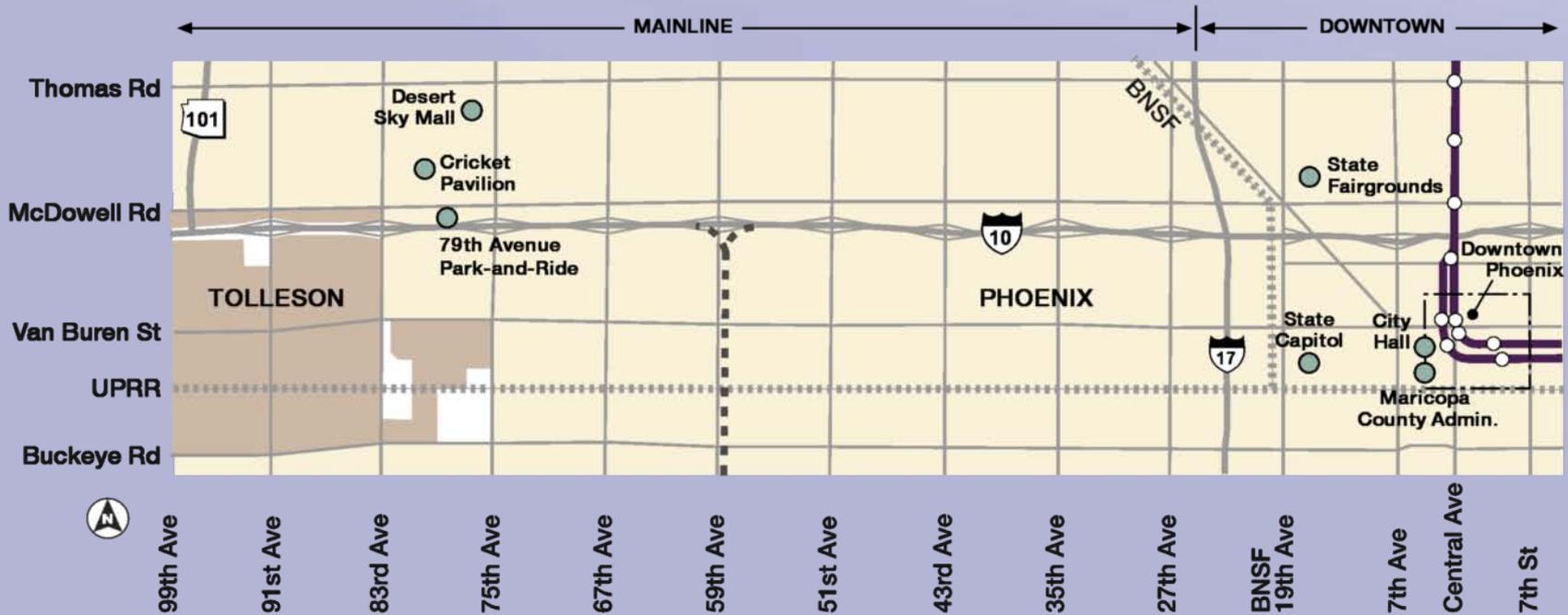
Tom Callow
Abhi Dayal

December 9, 2010





Phoenix West Extension Study Area



LEGEND

- METRO Light Rail Line / Station
- Activity Center
- Proposed South Mountain Freeway
- City of Phoenix
- City of Tolleson
- Unincorporated Maricopa County



Technology Recommendation Light Rail Transit

Technologies considered:

Light Rail Transit



Bus Rapid Transit





Phoenix West Mainline I-10 Light Rail Alignment Median Option

- Minimizes utility and property impacts
- Median dimensions accommodate trackway and stations
- Presents difficult access to stations
- Undesirable station environment





Phoenix West Mainline I-10 Light Rail Alignment North Side of I-10 Freeway

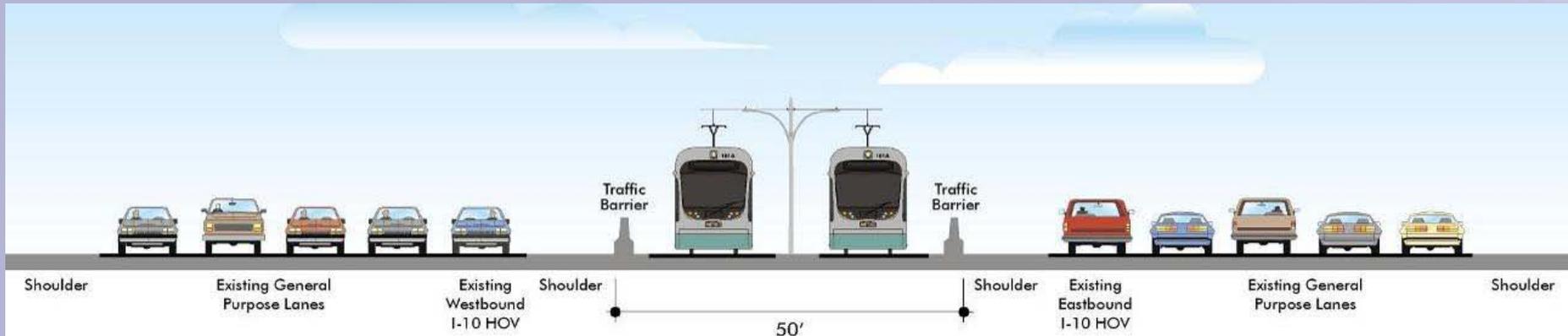
- Better access to stations
- Opportunities for Transit Oriented Development
- Room for freeway improvements
- Cost may be an issue



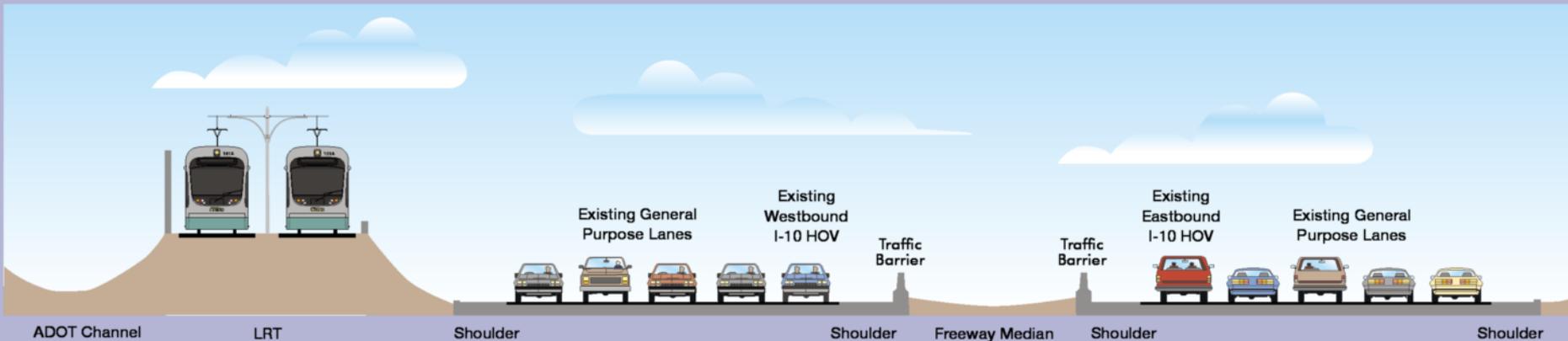


I-10 Mainline Cross Sections

I-10 Median Option

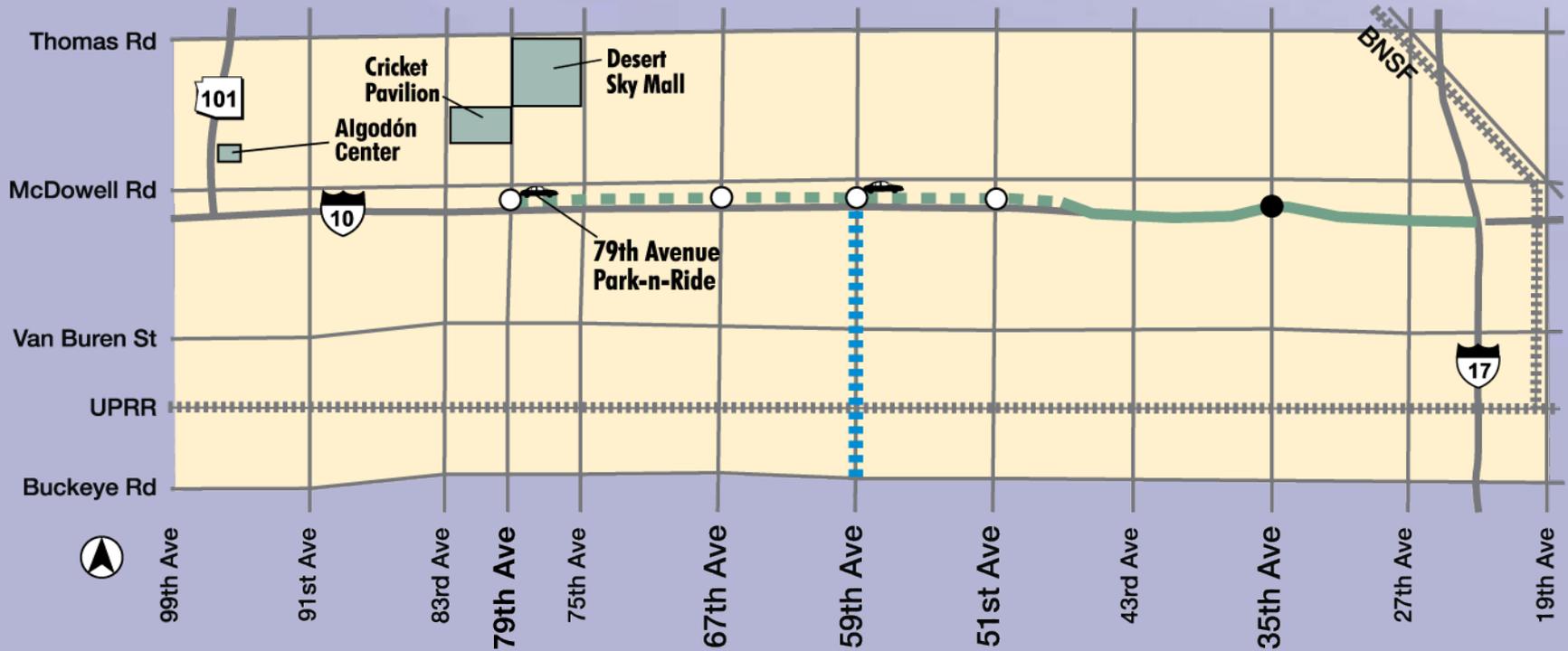


North Side Alignment Option





Preliminary Mainline Station Sites

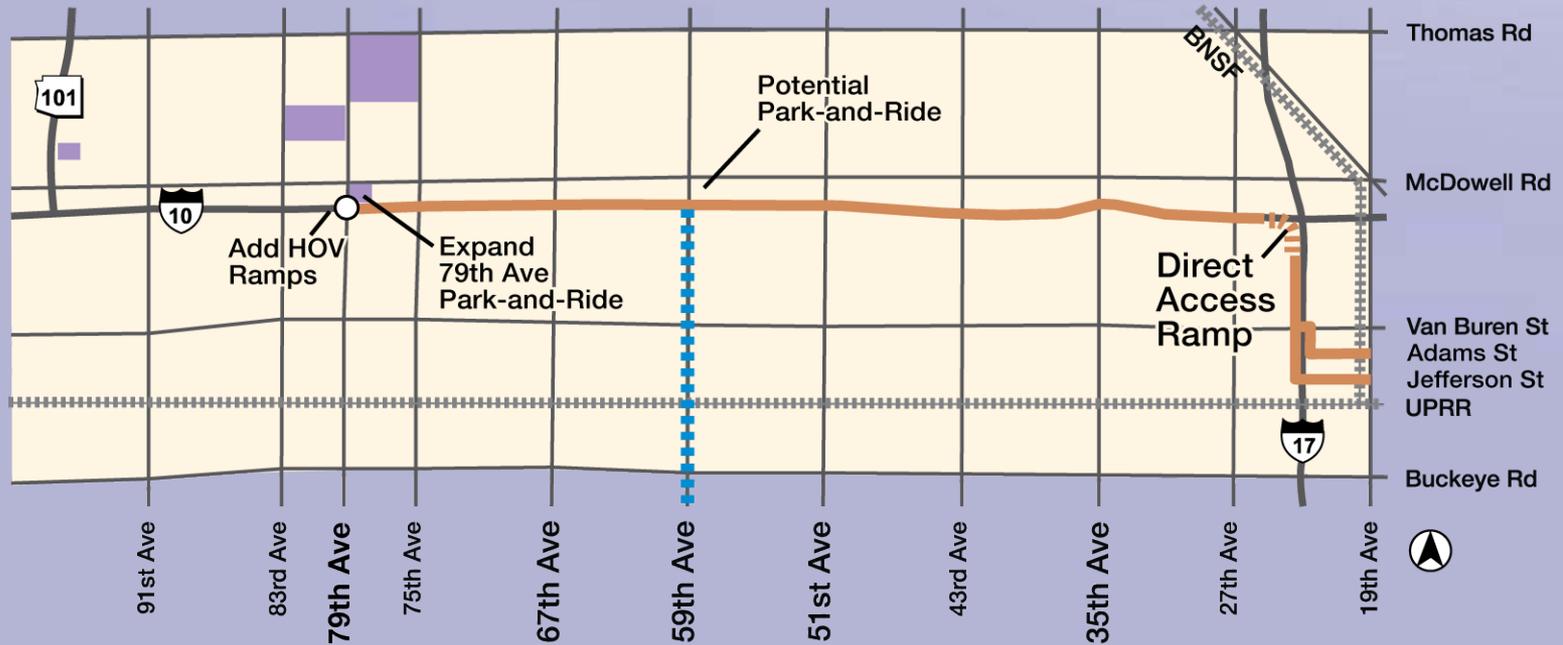


LEGEND

- Median Alignment
- North Side Alignment
- Proposed South Mountain Freeway
- Study Area
- Activity Center
- Preliminary North Side Station Sites
- Preliminary Median Station Sites
- Park-and-Ride



Early Action Bus Program

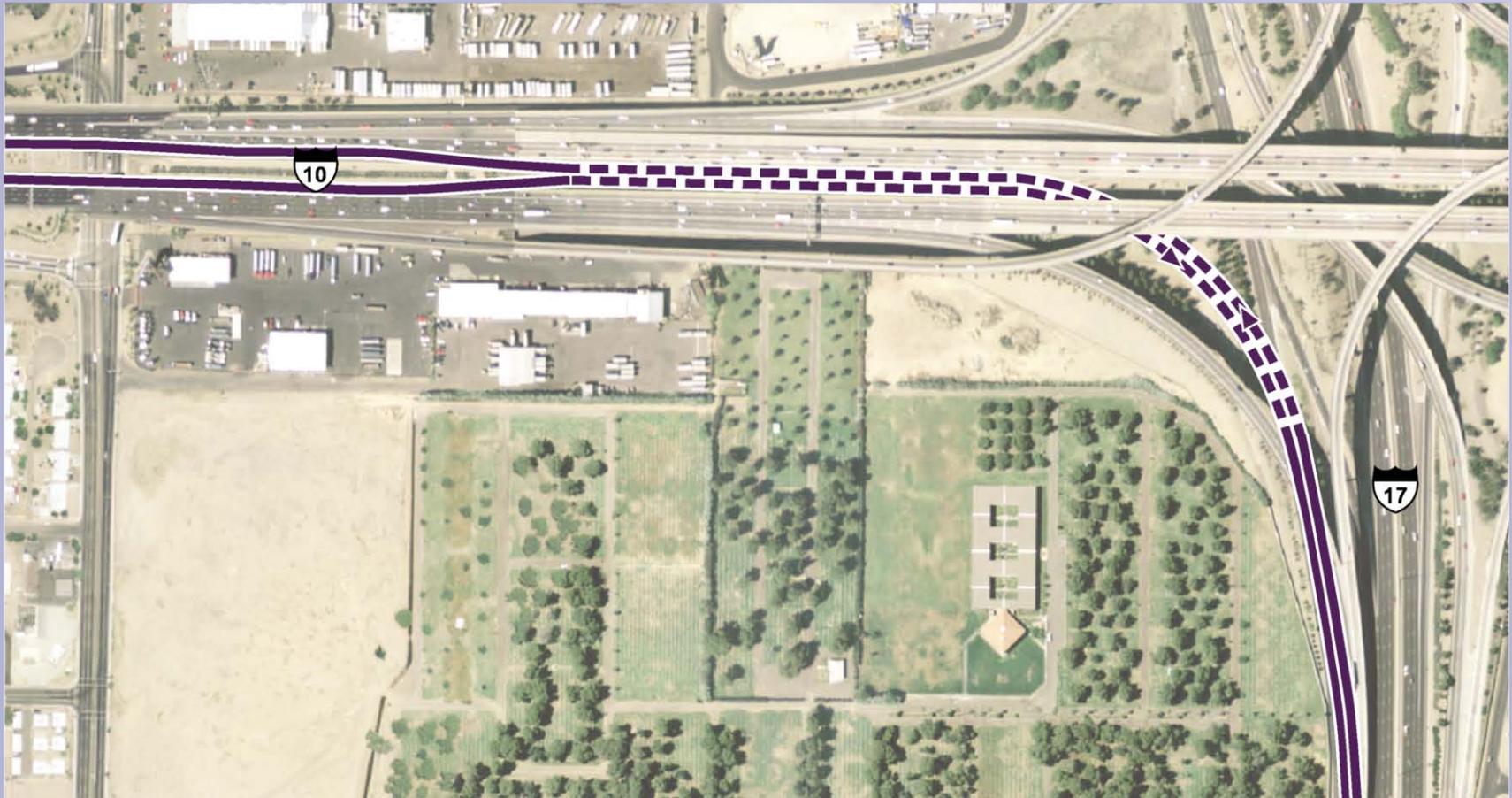


LEGEND

- Express/RAPID Route on HOV
- Existing Station/Expanded Park-and-Ride
- Activity Center
- Proposed South Mountain Freeway
- Direct Access Ramp to I-17 Southbound Frontage Road
- Railroad



Proposed Bus Ramp



LEGEND

— At grade - - - Grade separation

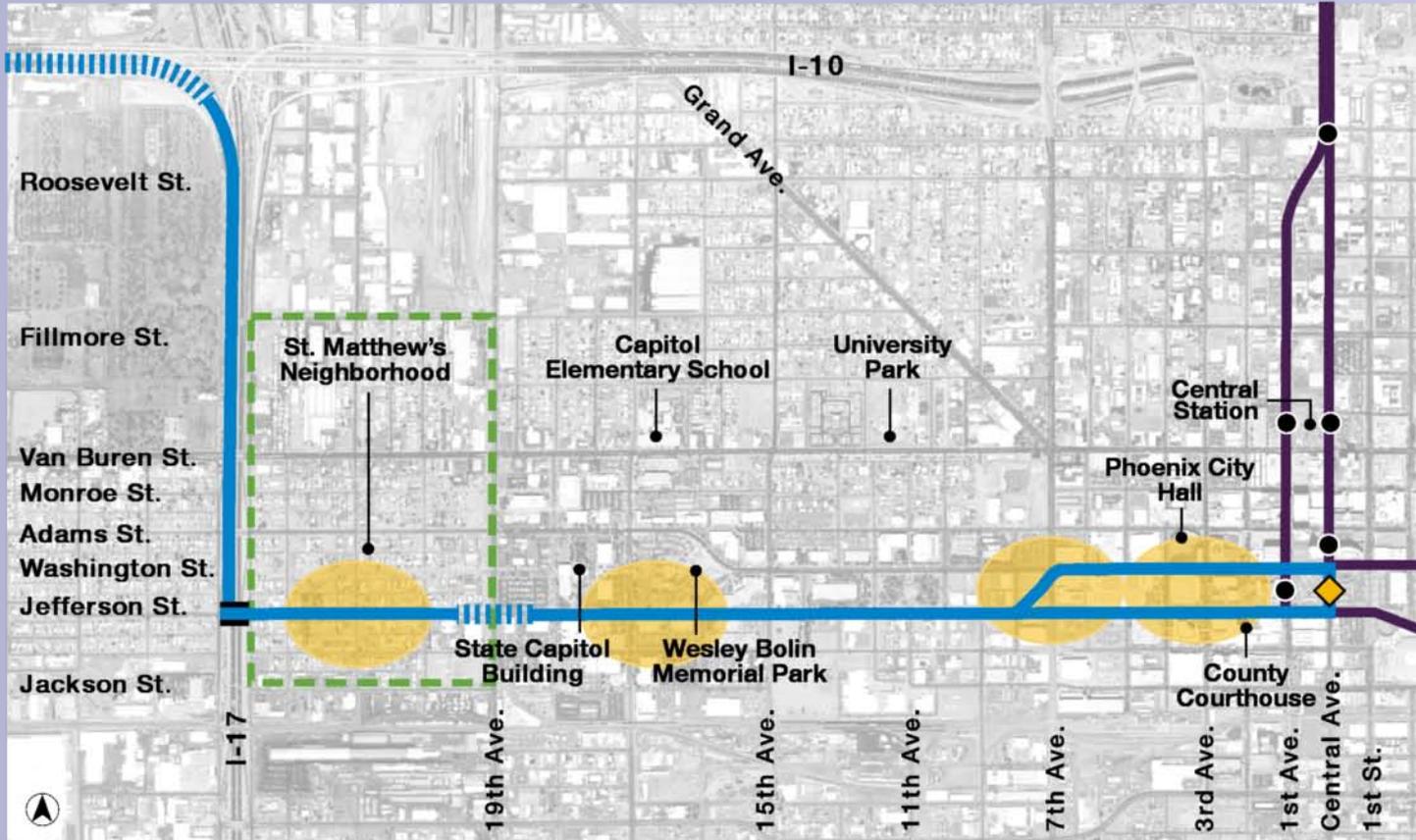


Early Action Bus Program Benefits

- Establishes a permanent I-10 transit presence
- Enhanced connectivity to employment
 - State Capitol and Downtown Phoenix
- 6 to 8 min. bus travel time savings to State Capitol
 - Travel times to Downtown Phoenix remain the same
- \$175k to \$250k annual reduced operating cost
- Conversion to LRT with minimal cost/impact
- Reduces the cost of future LRT investment



Downtown LRT LPA Recommendation I-17 Southbound Frontage Road

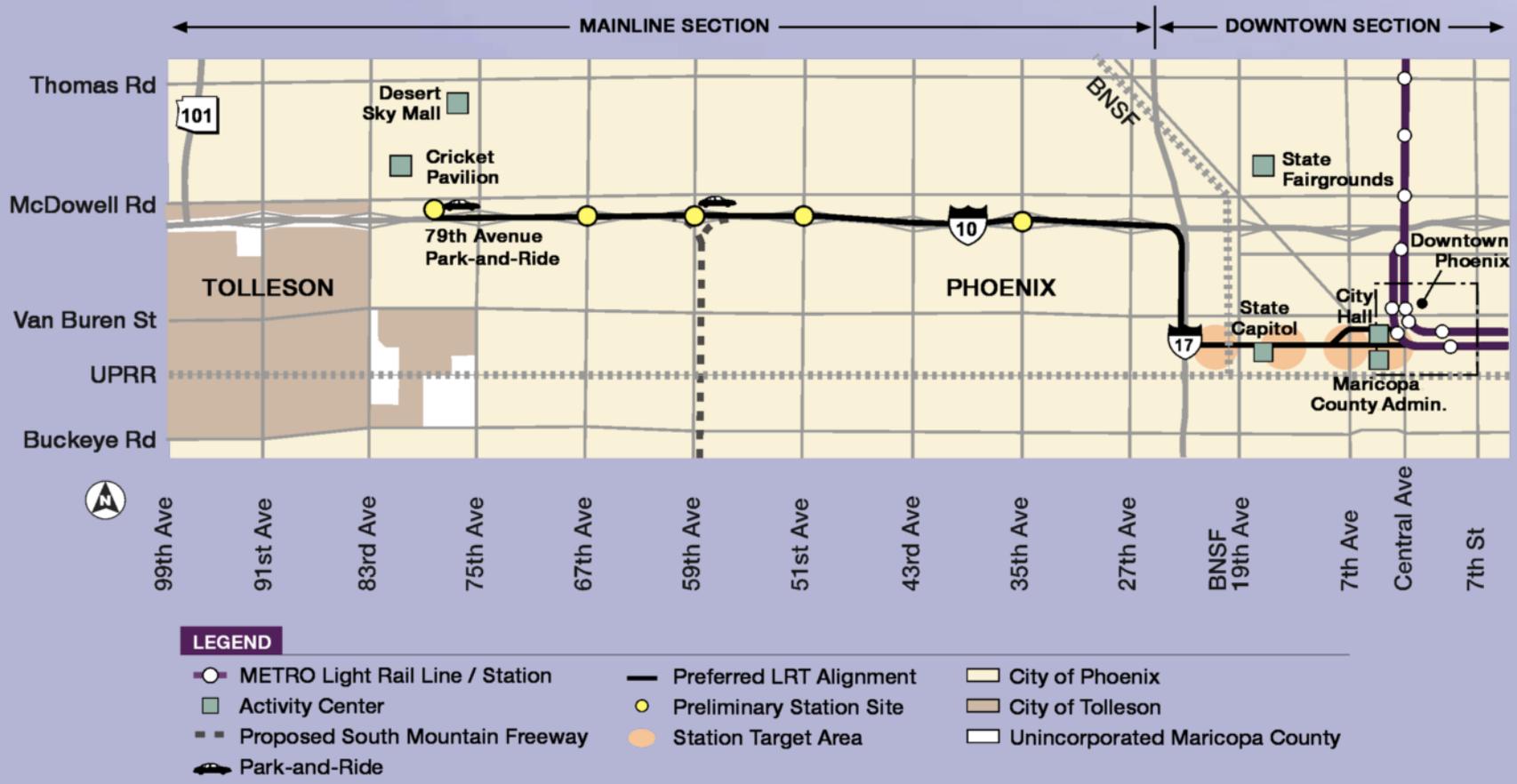


LEGEND

- Light Rail Line/Station
- Preliminary Station Areas
- Bridge
- ◆ Early Action Street Reinforcement at CityScope
- ▭ St. Matthew's Neighborhood Association
- ▨ Grade Separation (Overpass or underpass reviewed further in NEPA process)



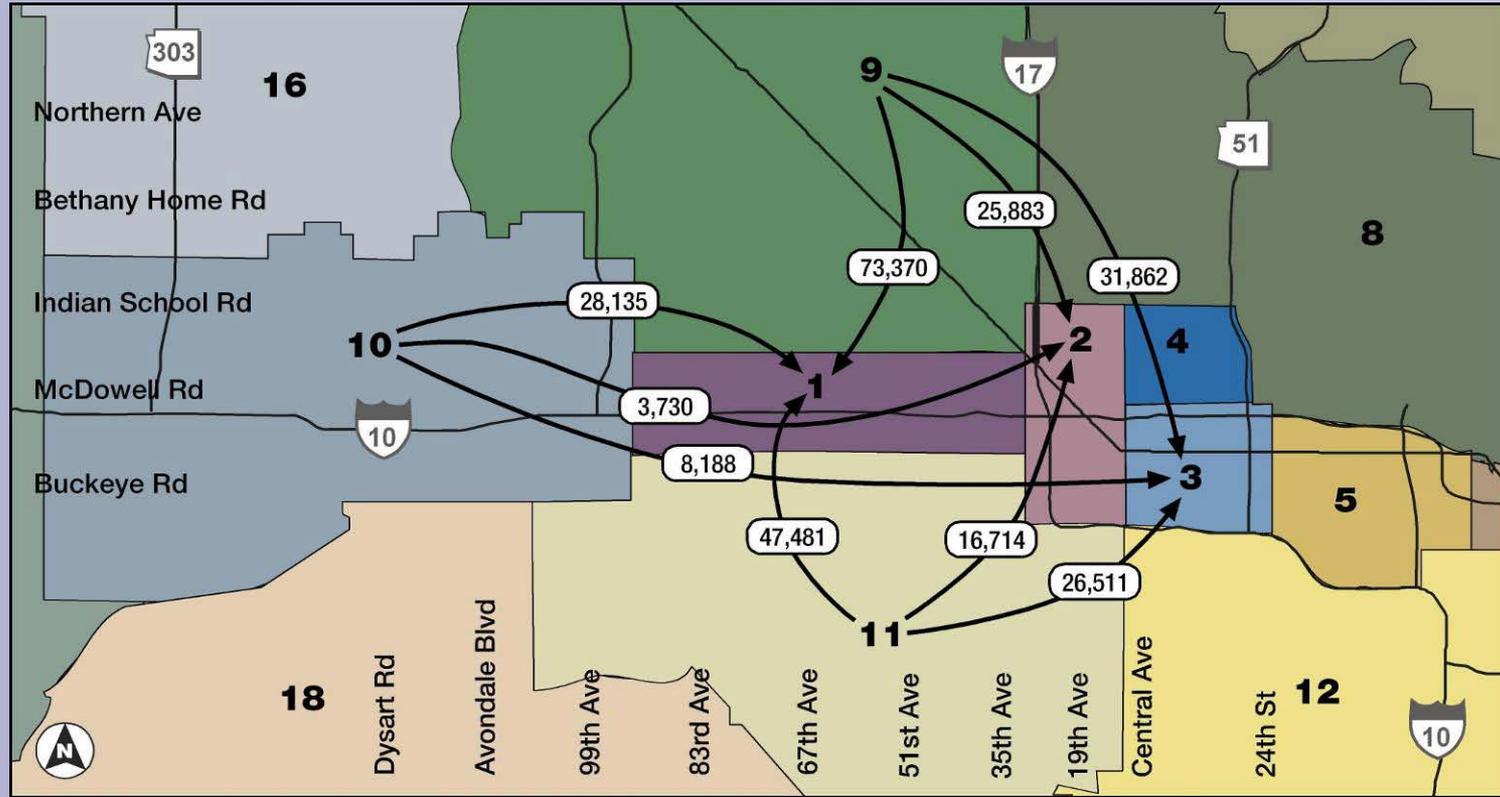
Preliminary Staff LPA Recommendation





Phoenix West Travel Markets

2030 AM Peak Travel - Inbound



LEGEND

Person trips from District to District

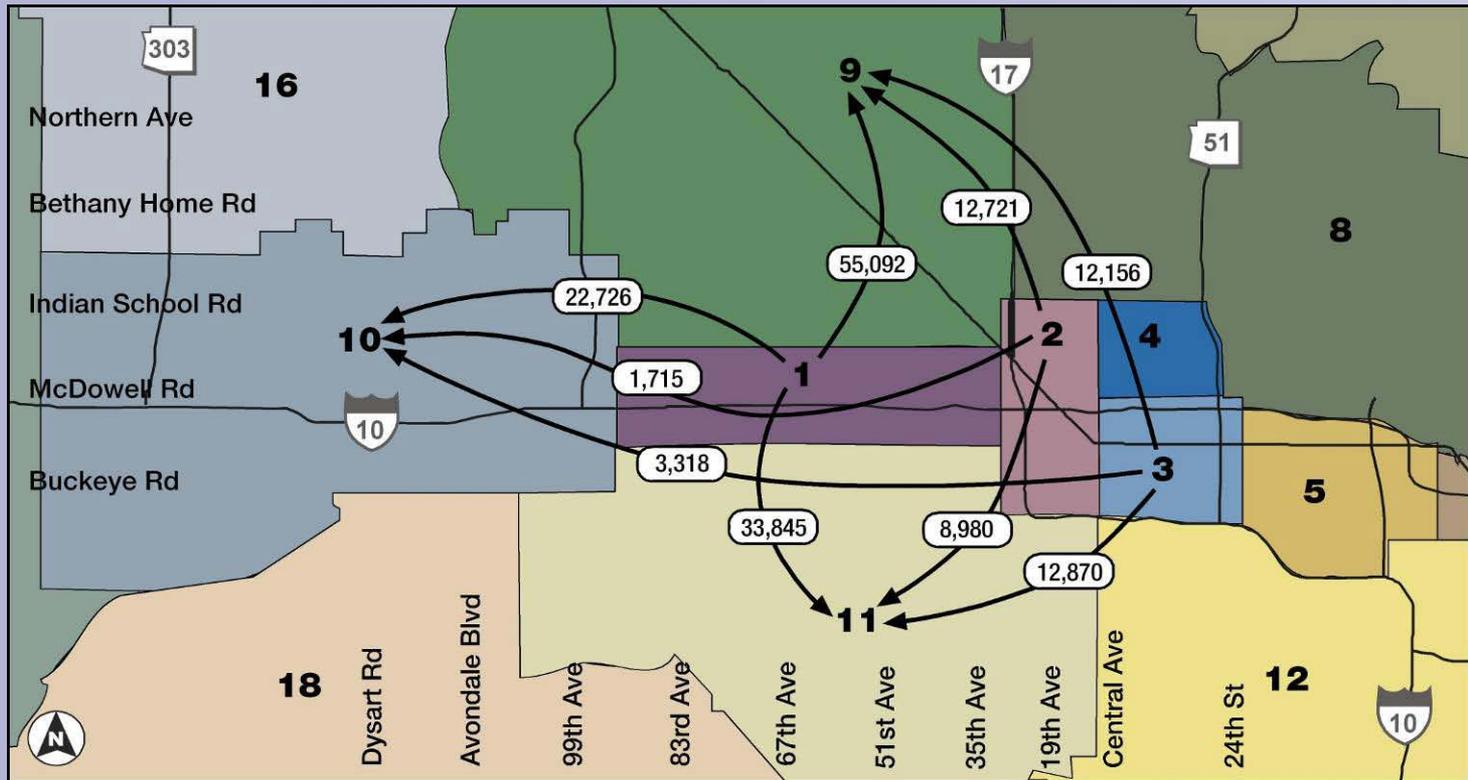


Source: 2007 - MAG



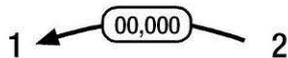
Phoenix West Travel Markets

2030 AM Peak Travel - Outbound



LEGEND

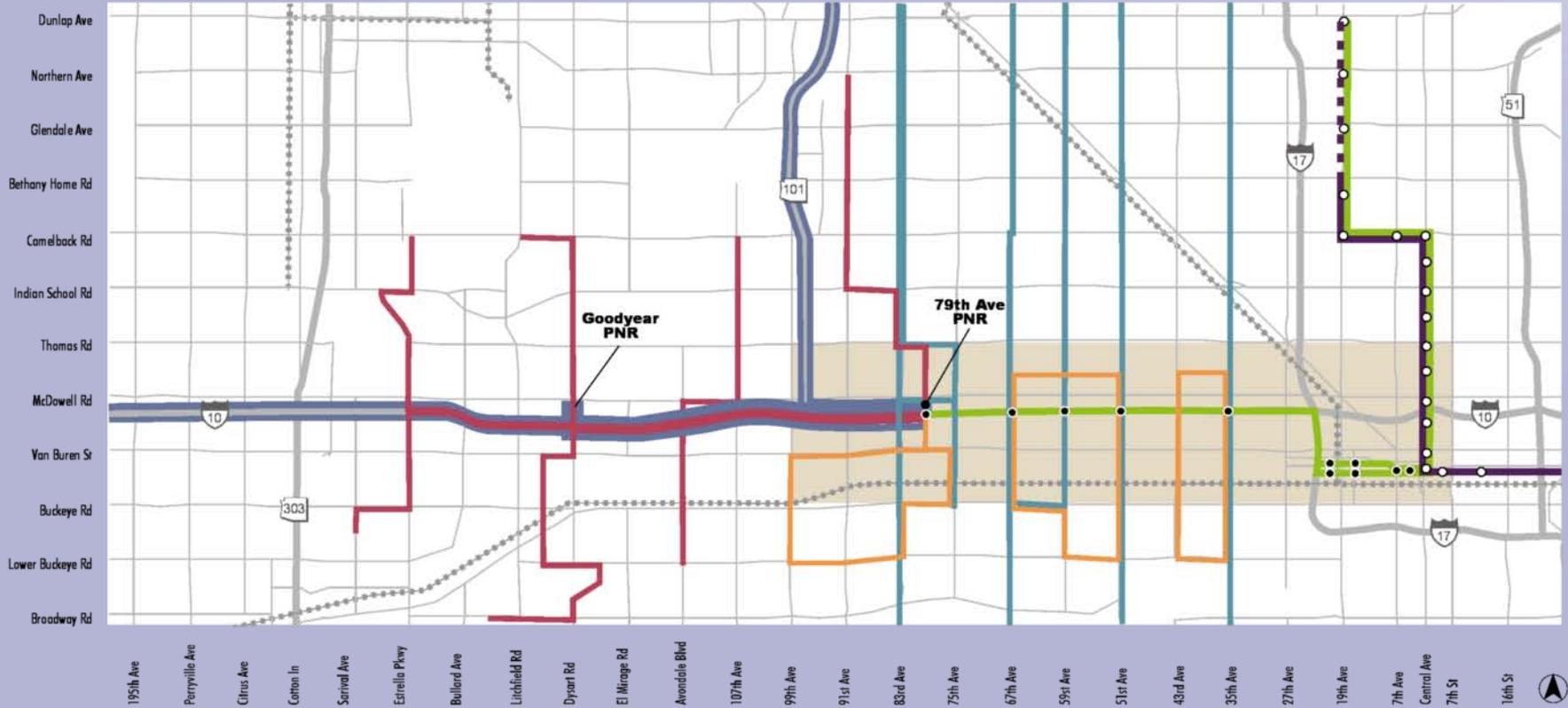
Person trips from District to District



Source: 2007 - MAG



Transit Operating Plan



LEGEND

- Existing Light Rail Line with Additional Service
- Existing Express Bus Routes (Peak Only)
- Proposed LRT Route / Station
- I-10 West Study Area
- Existing Local Bus Routes
- Proposed Neighborhood Circulator
- Proposed Feeder Route
- Railroad



Next Steps/LPA Adoption Schedule

- Neighborhood Meetings.....Winter 2010
- Public Meetings.....Late 2010
- City Council Action.....Spring 2011
- Maricopa Association of Governments
Regional Council Action.....Spring 2011
- LPA Adoption.....Spring 2011