



Phoenix West Alternatives Analysis Update

MAG Regional Council

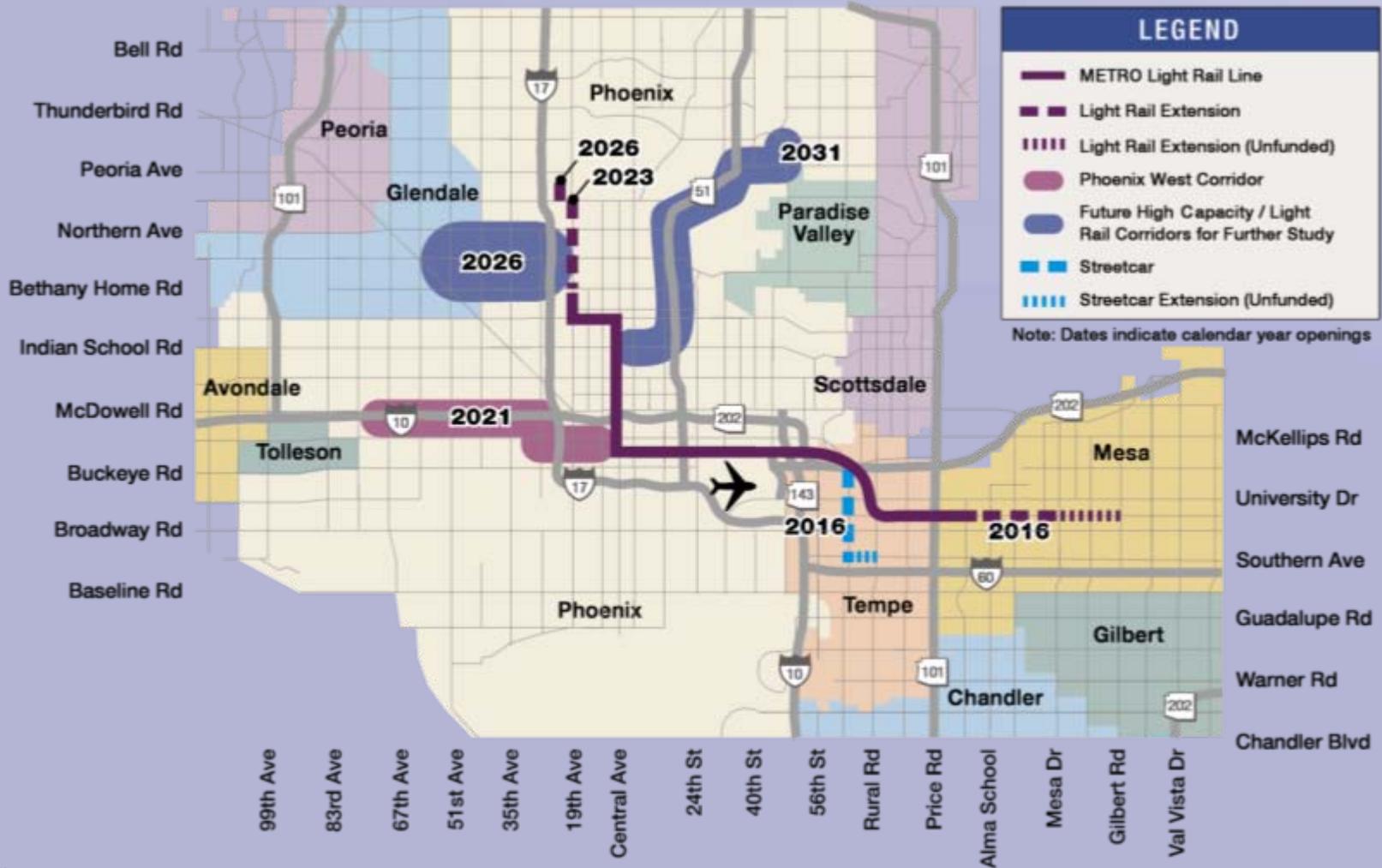
February 23, 2011





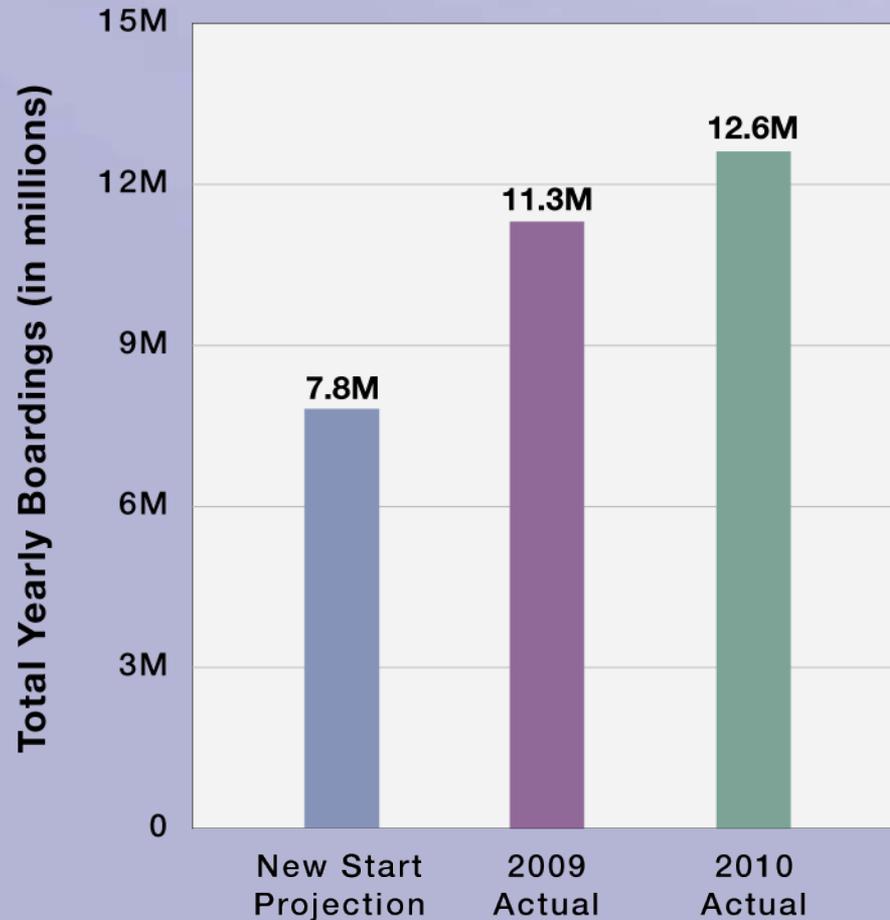
High Capacity / Light Rail Transit

57-Mile System – Adopted 2010





METRO Starter Line Annual Ridership

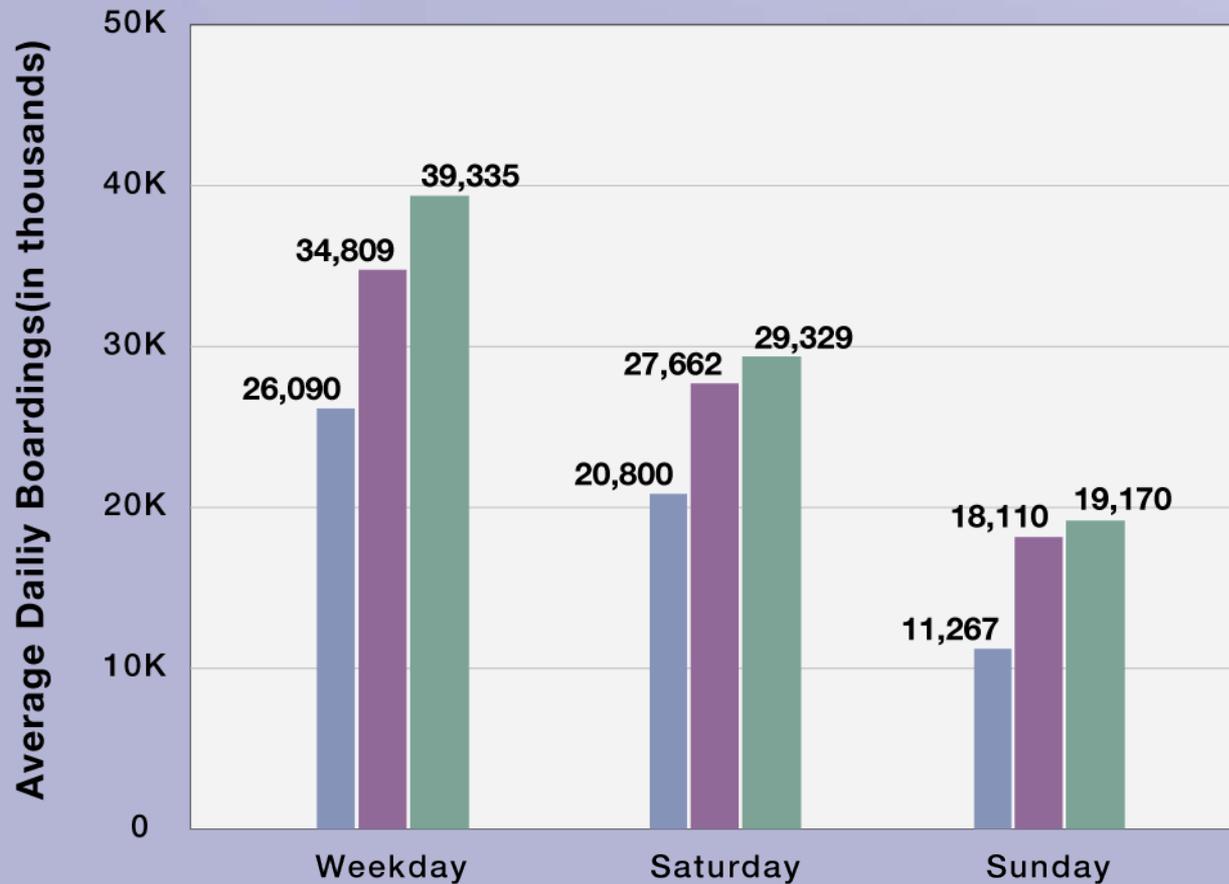


Total ridership to date: 24 million passengers





METRO Starter Line Average Daily Boardings



LEGEND

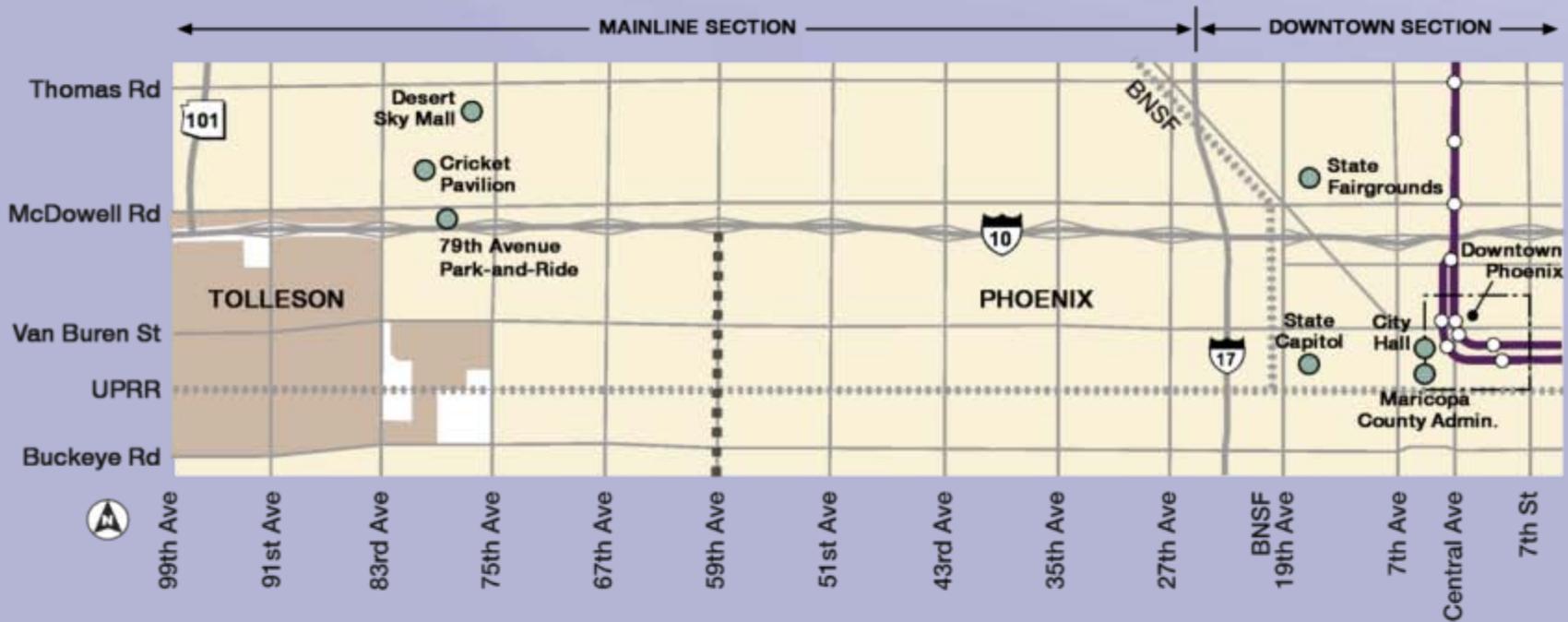
Projected

2009

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



Purpose of the Study

- Develop a recommendation for high-capacity transit improvements in the study area:
 - Technology – *WHAT*
 - Alignment – *WHERE*



Technologies Considered

Light Rail Transit



Bus Rapid Transit



RECOMMENDED



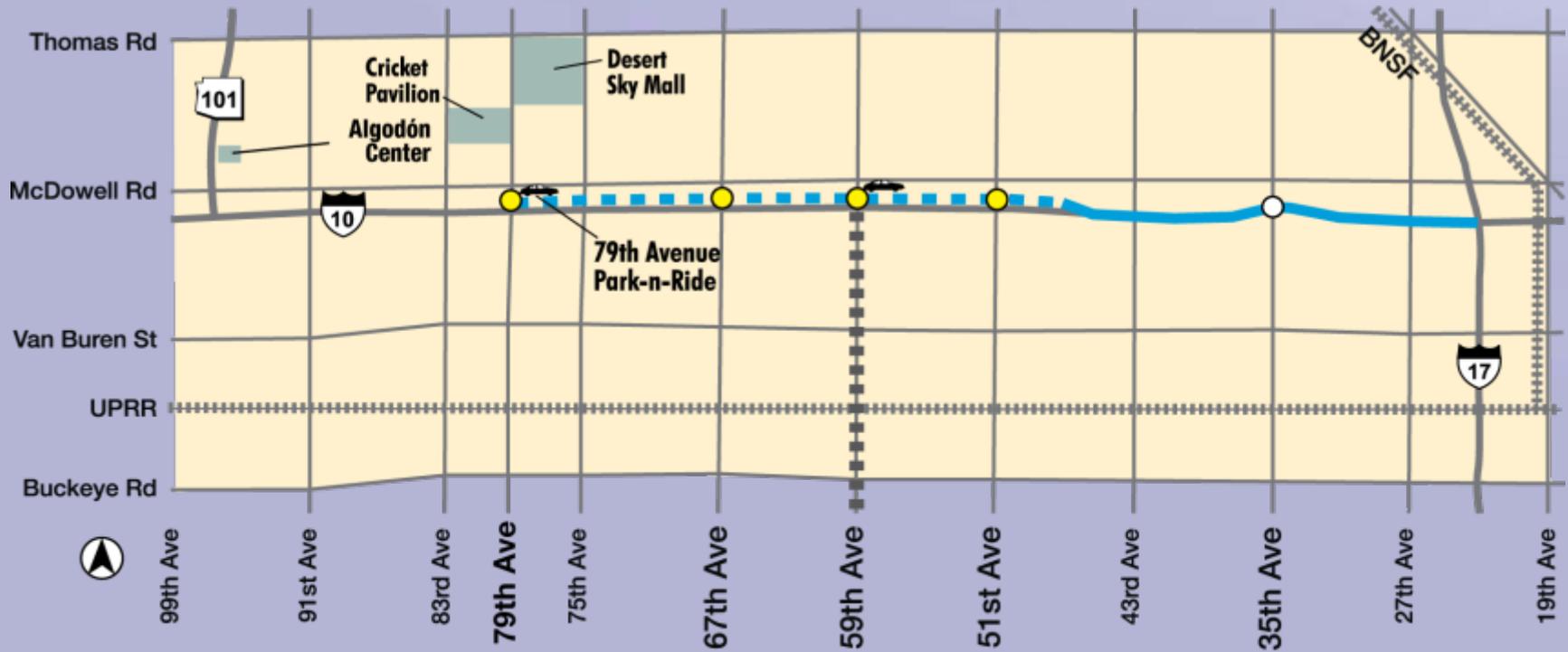
Phoenix West Mainline Alignment: *Approvals to Date*

- Recommendation for High Capacity Transit Improvements in the I-10 Right-of-Way west of I-17:
 - Phoenix City Council – April 2008
 - METRO Board – June 2008
 - MAG Regional Council – July 2008





Mainline Detail

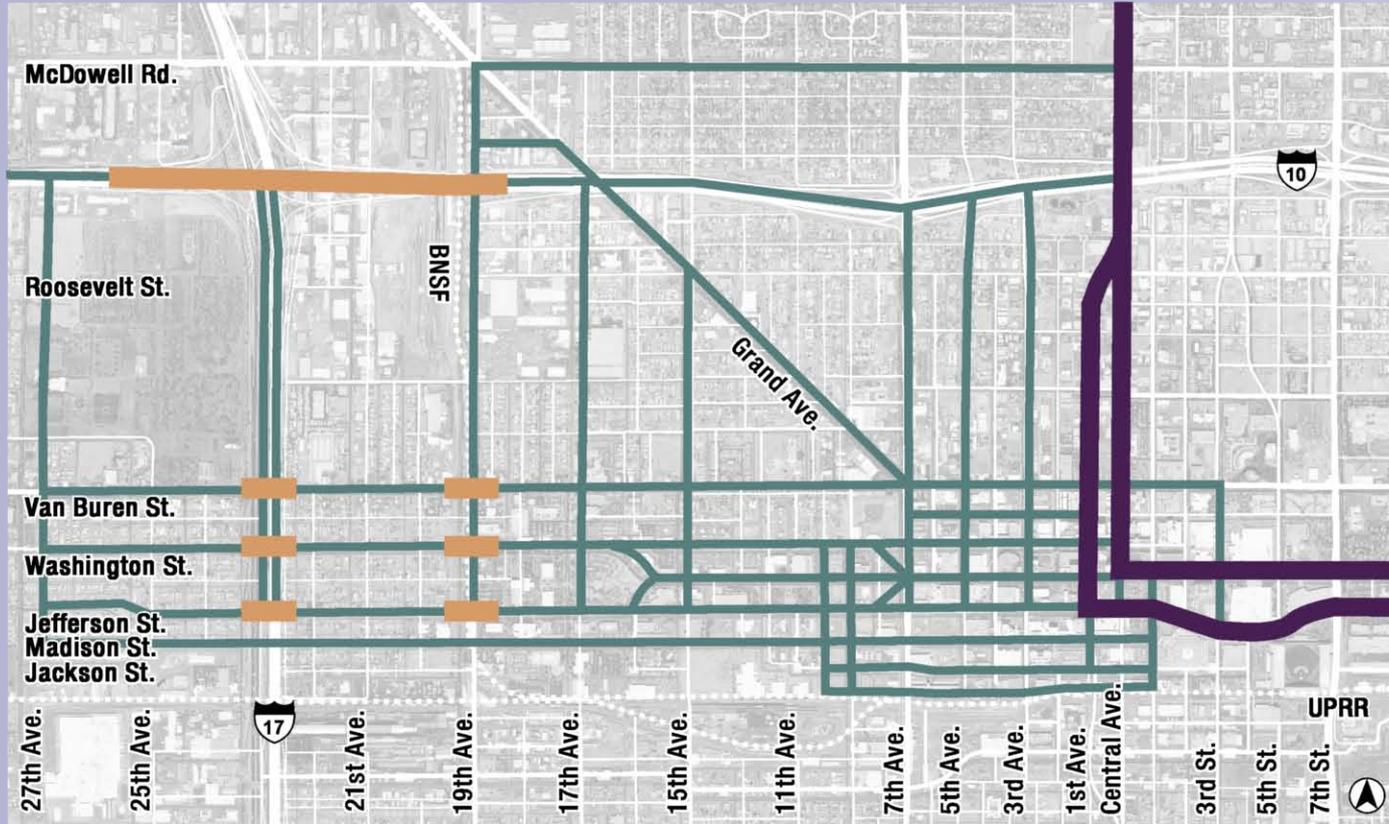


LEGEND

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



Downtown Alternatives Evaluated



LEGEND

- Light Rail Starter Line / Station
- LRT Alternative Alignments
- Grade Separation Required



Downtown Detail



LEGEND

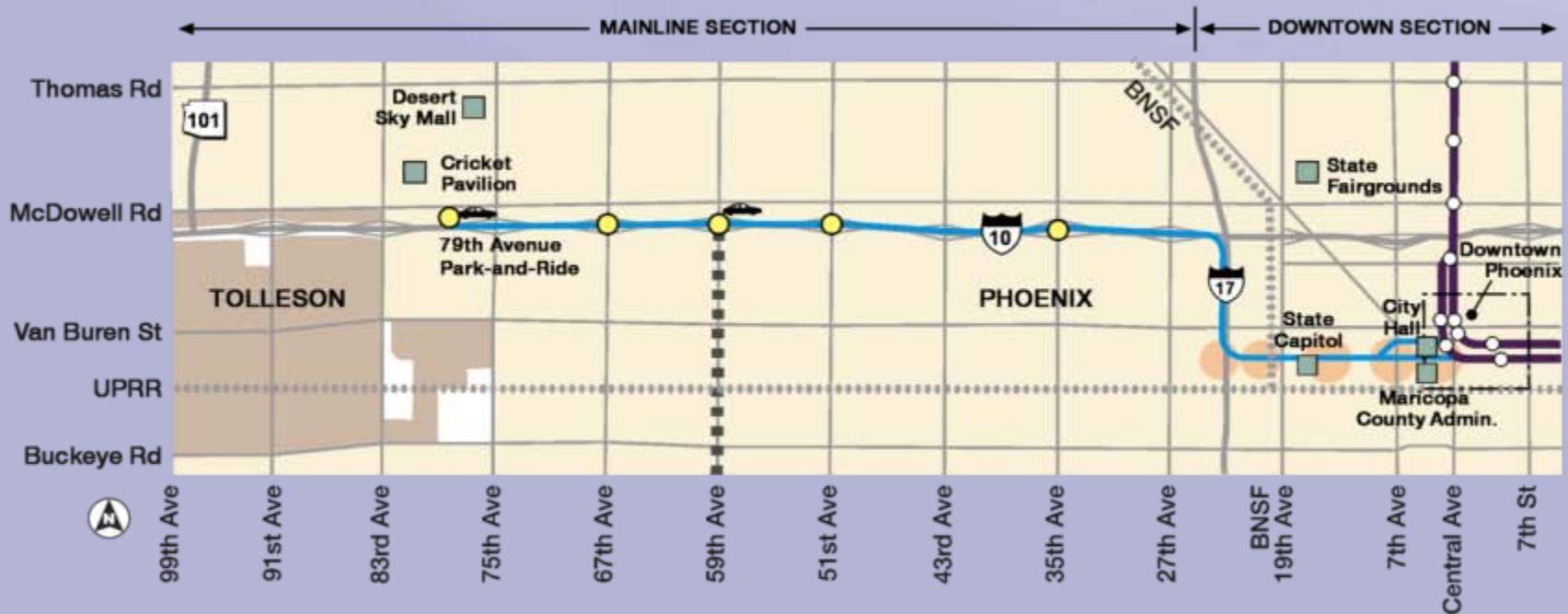
- Light Rail Line/Station
- Preliminary Station Areas
- Bridge

- Early Action Street Reinforcement at CityScope
- Grade Separation (Overpass or underpass reviewed further in NEPA process)
- St. Matthew's Neighborhood
- Oakland Historic District
- Murphy Neighborhood





Alignment Recommendation



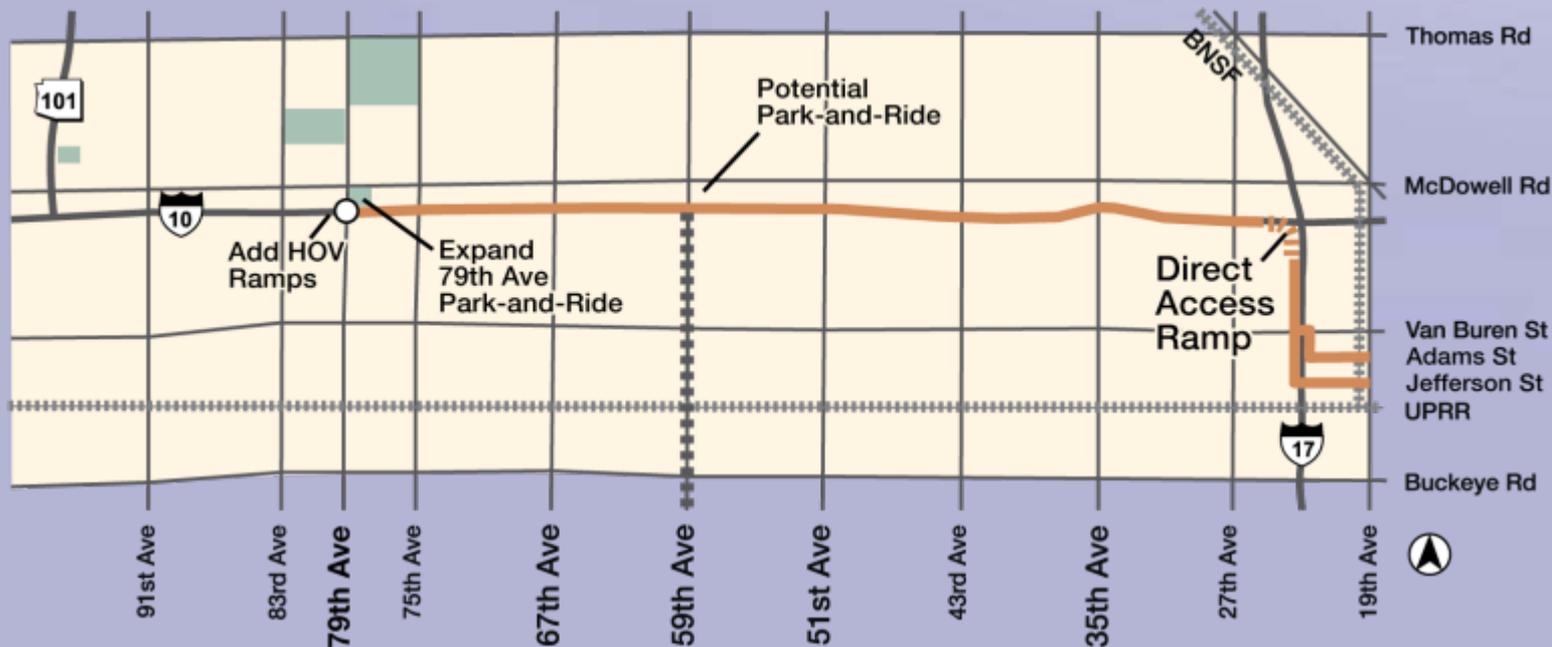
LEGEND

- METRO Light Rail Line / Station
- Activity Center
- Proposed South Mountain Freeway
- Park-and-Ride
- Preferred LRT Alignment
- Preliminary Station Site
- Station Target Area
- City of Phoenix
- City of Tolleson
- Unincorporated Maricopa County





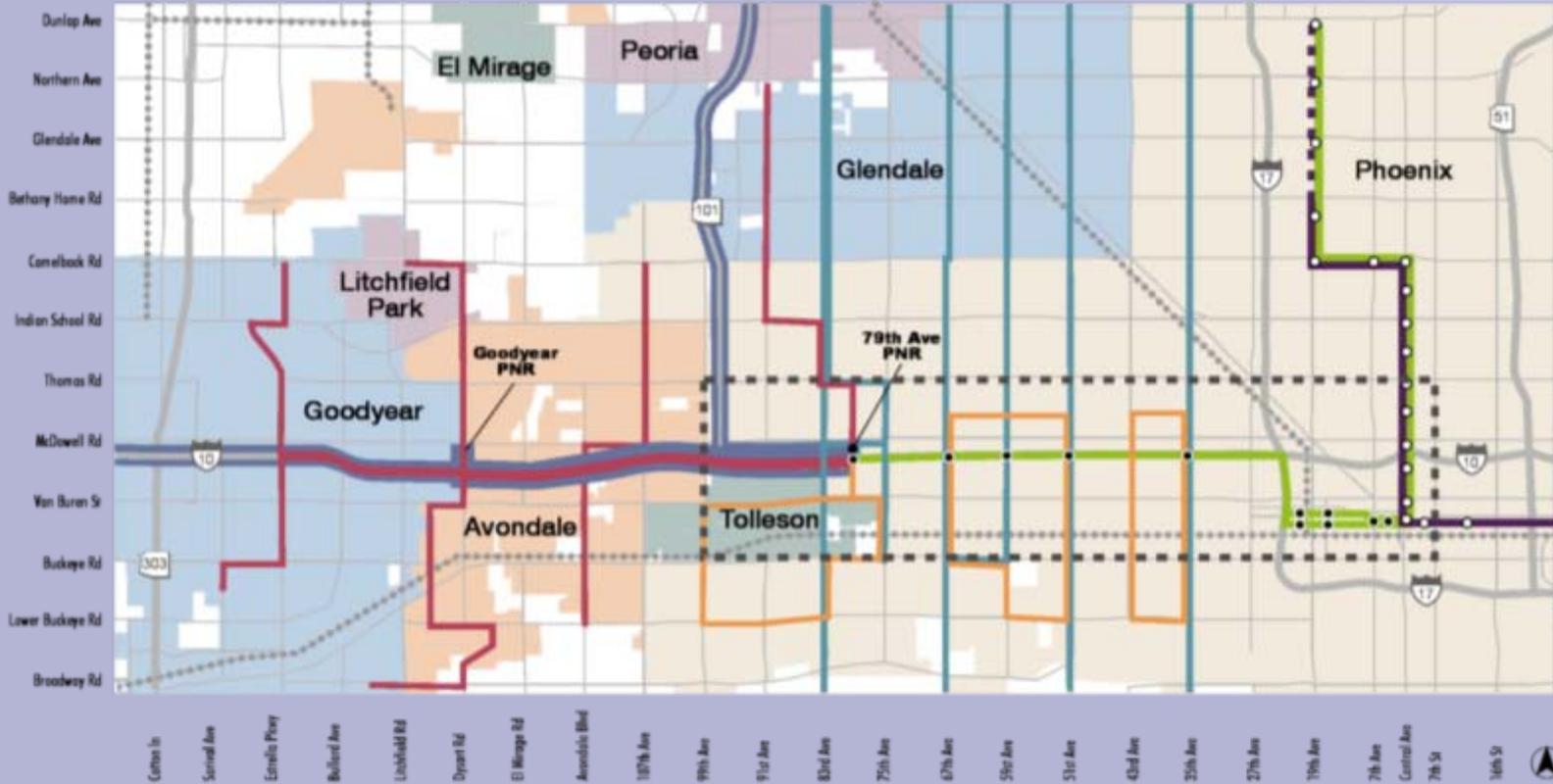
Recommendations for Other Project Elements



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



Recommendations for Related Transit Improvements



LEGEND

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





Next Steps

- Commission/Committees..... Ongoing
 - Citizens Transit Commission – Approved (1/6/11)
 - Central City VPC – Approved (1/10/11)
 - Maryvale VPC – Approved (1/11/11)
 - Estrella VPC – Approved (1/18/11)
 - Planning Commission – Approved (2/9/11)
- Neighborhood Meetings.....Ongoing
- Public Meeting.....March 2, 2011
- City Council Action.....April 2011
- MAG Regional Council Action.....May 2011
- Environmental Impact Statement.....Summer 2011



METRO Phoenix West

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METRO



Jefferson St. West of 19th Ave.

Jefferson St.



I-17

Frontage Rd.

22nd St.

21st St.

20th St.

UPRR
19th Ave.



Jefferson St. west of 21st Ave. looking east

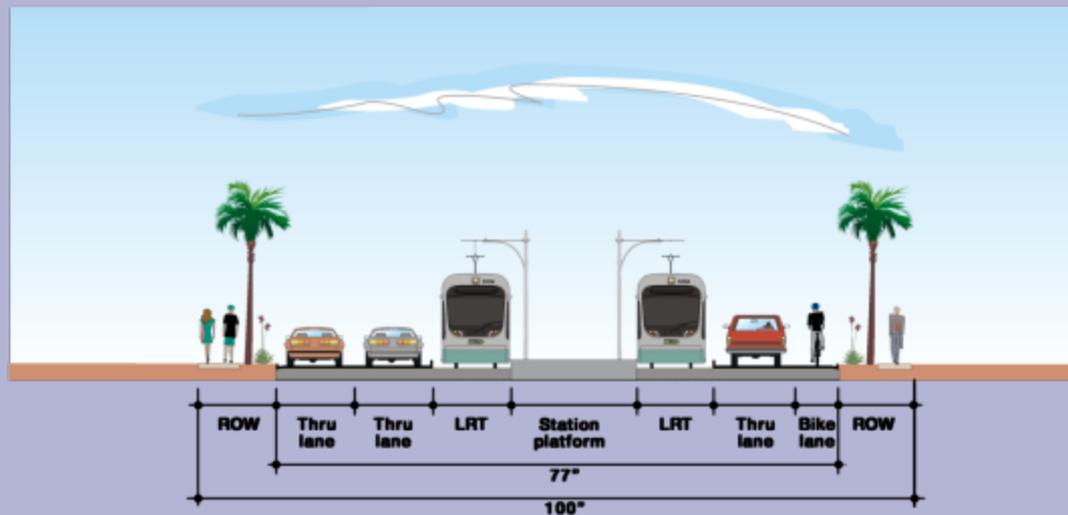
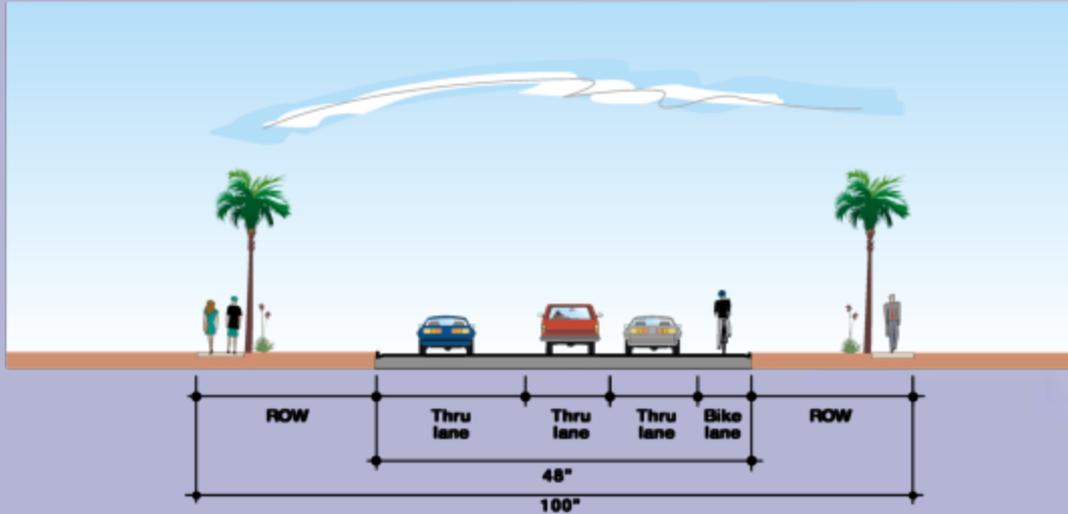


Jefferson St. at 20th Ave. looking east



Cross Section Examples

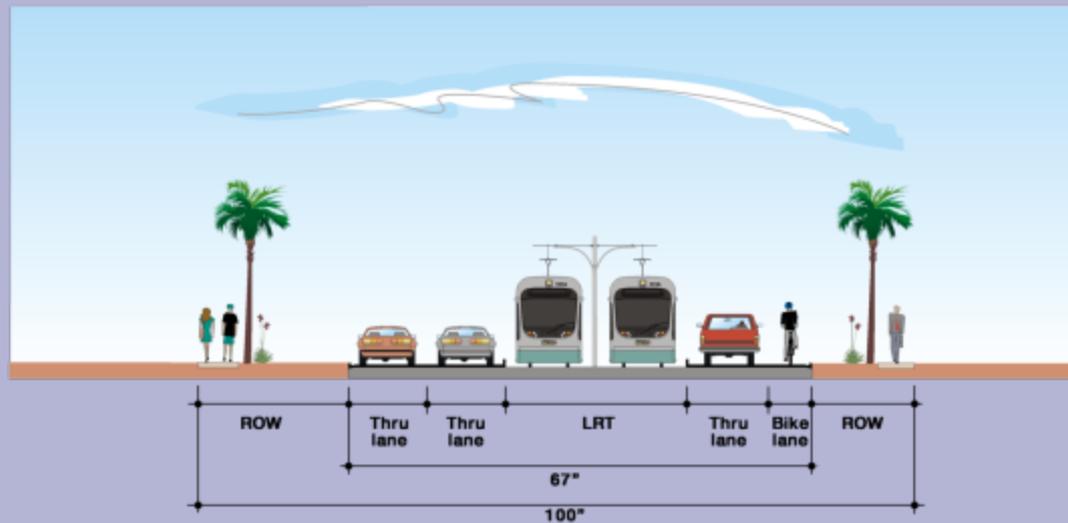
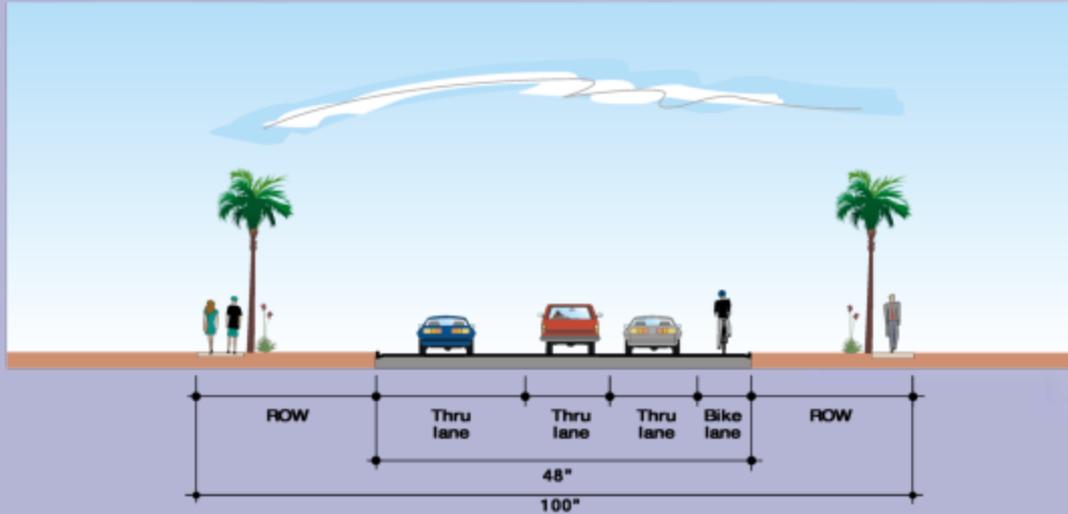
Jefferson St. – 22nd Ave. to 21st Ave.





Cross Section Examples

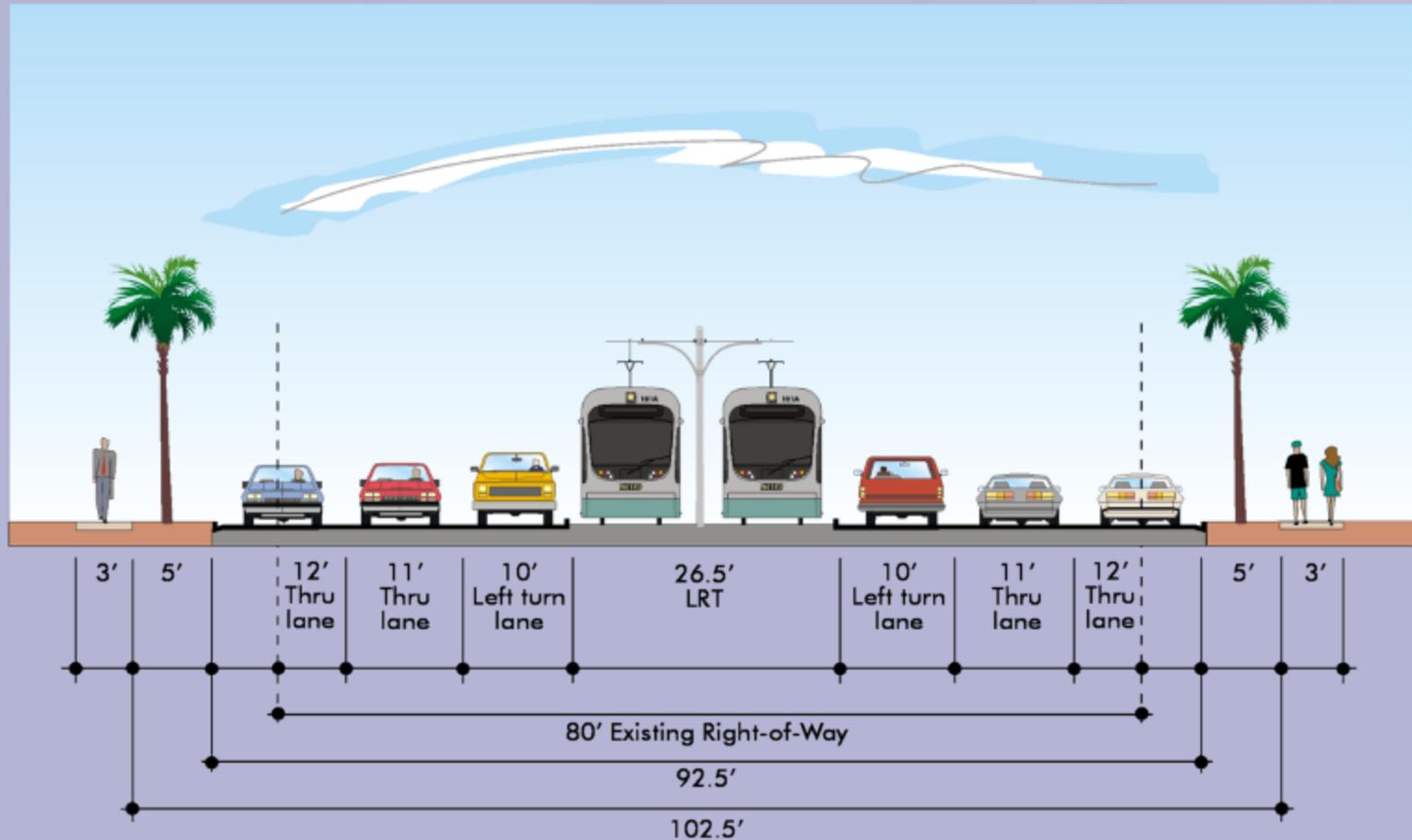
Jefferson St. – 21st Ave. to 20th Ave.





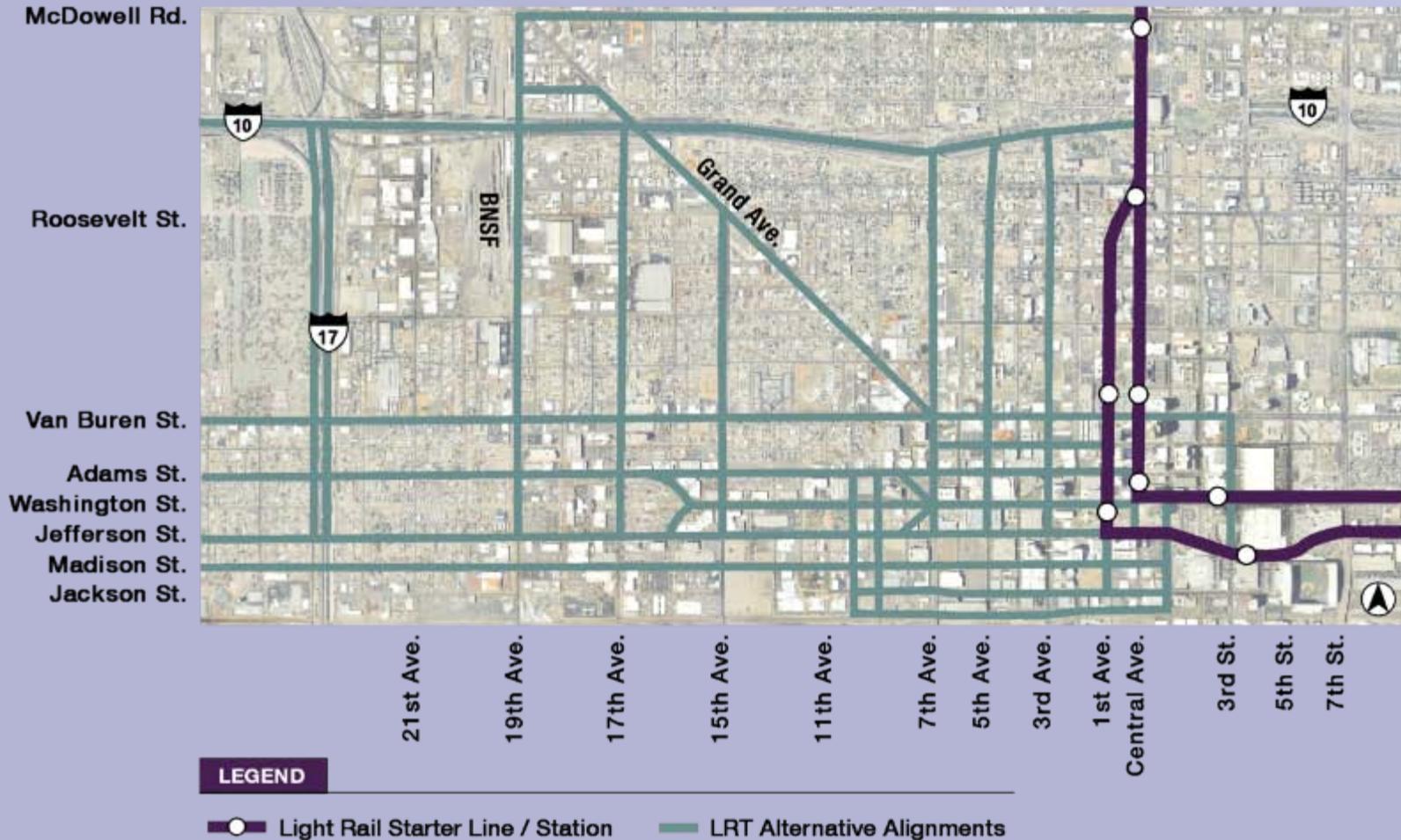
Cross Section Example

Adams St./Van Buren St.



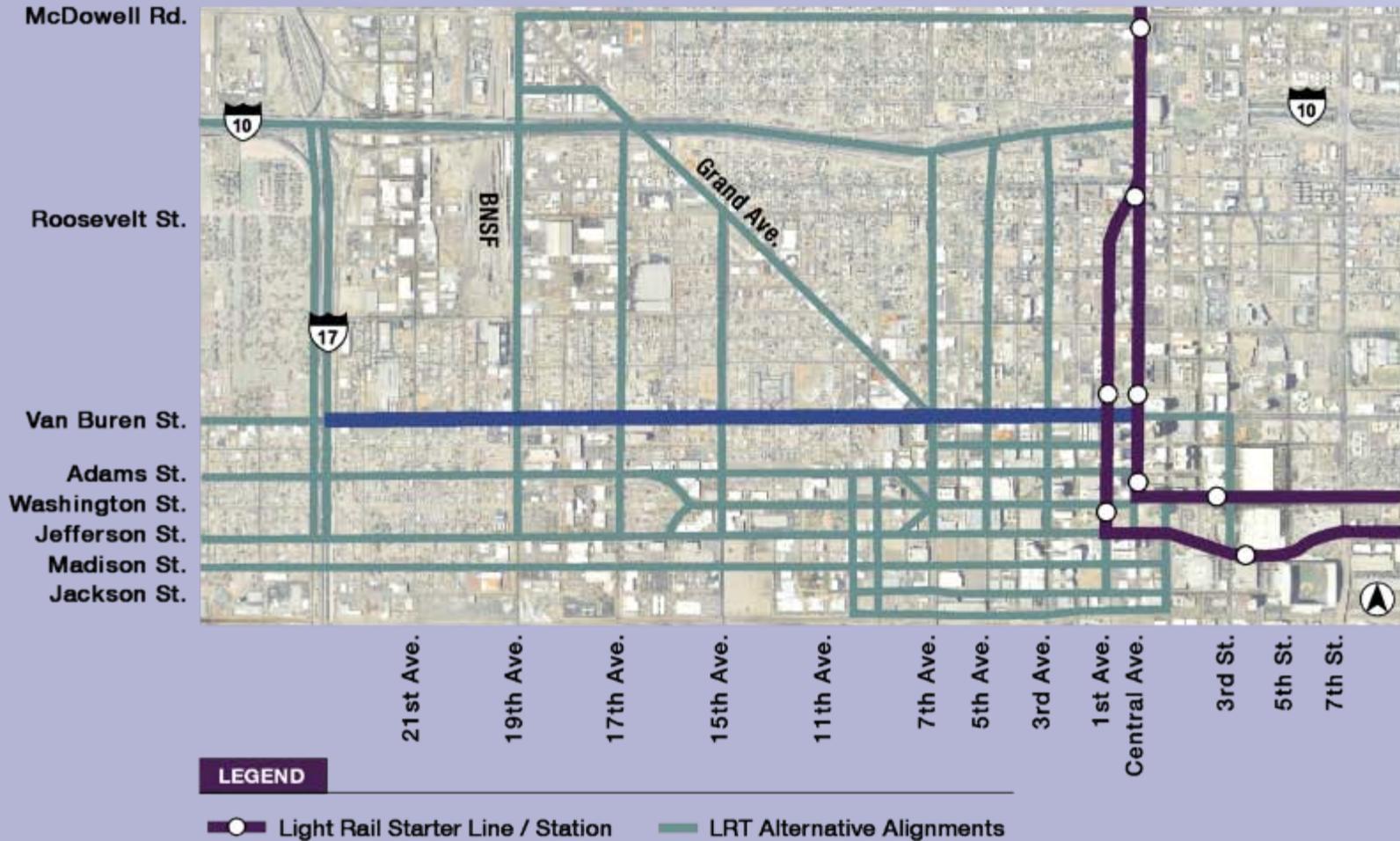


Universe of Alternatives



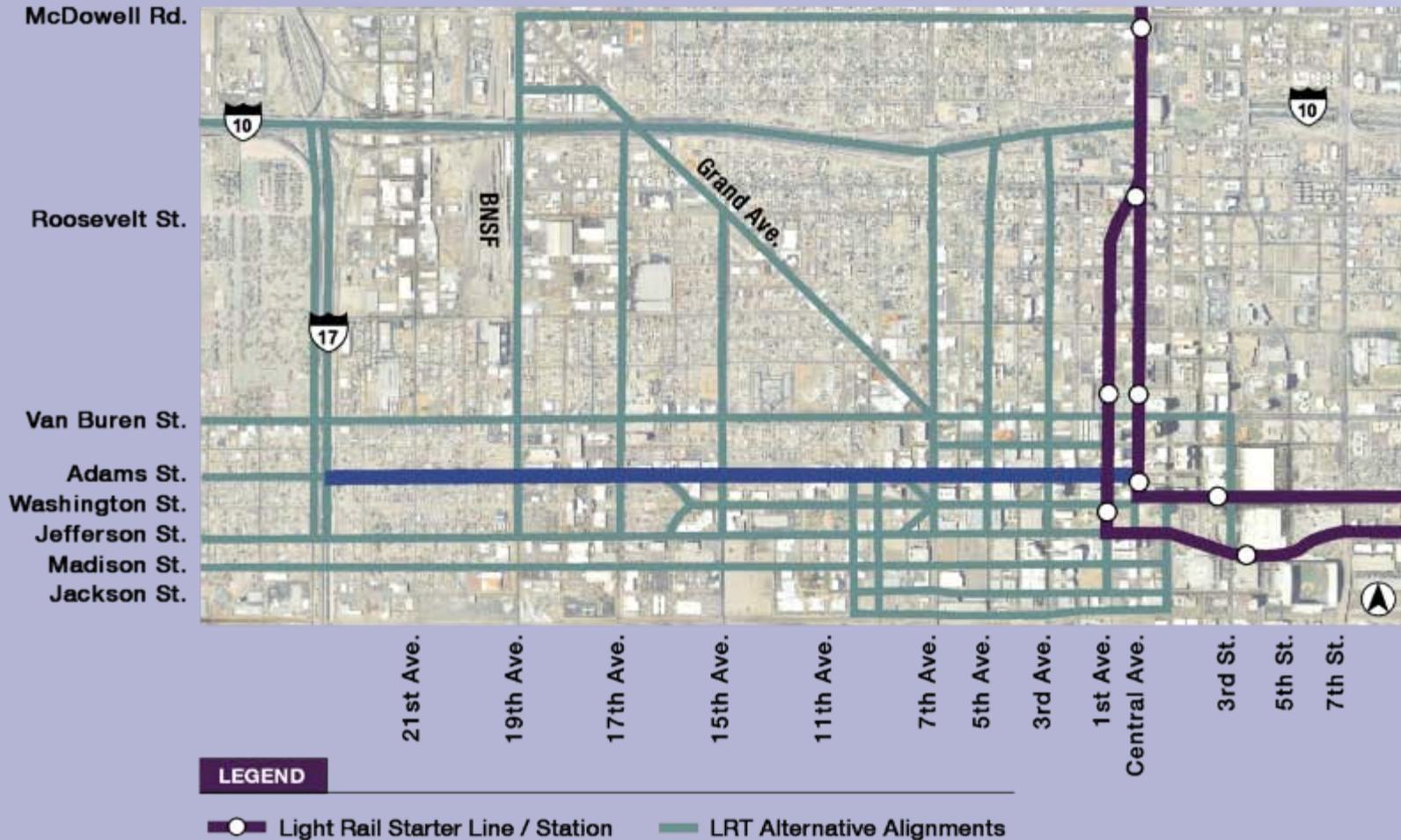


Universe of Alternatives



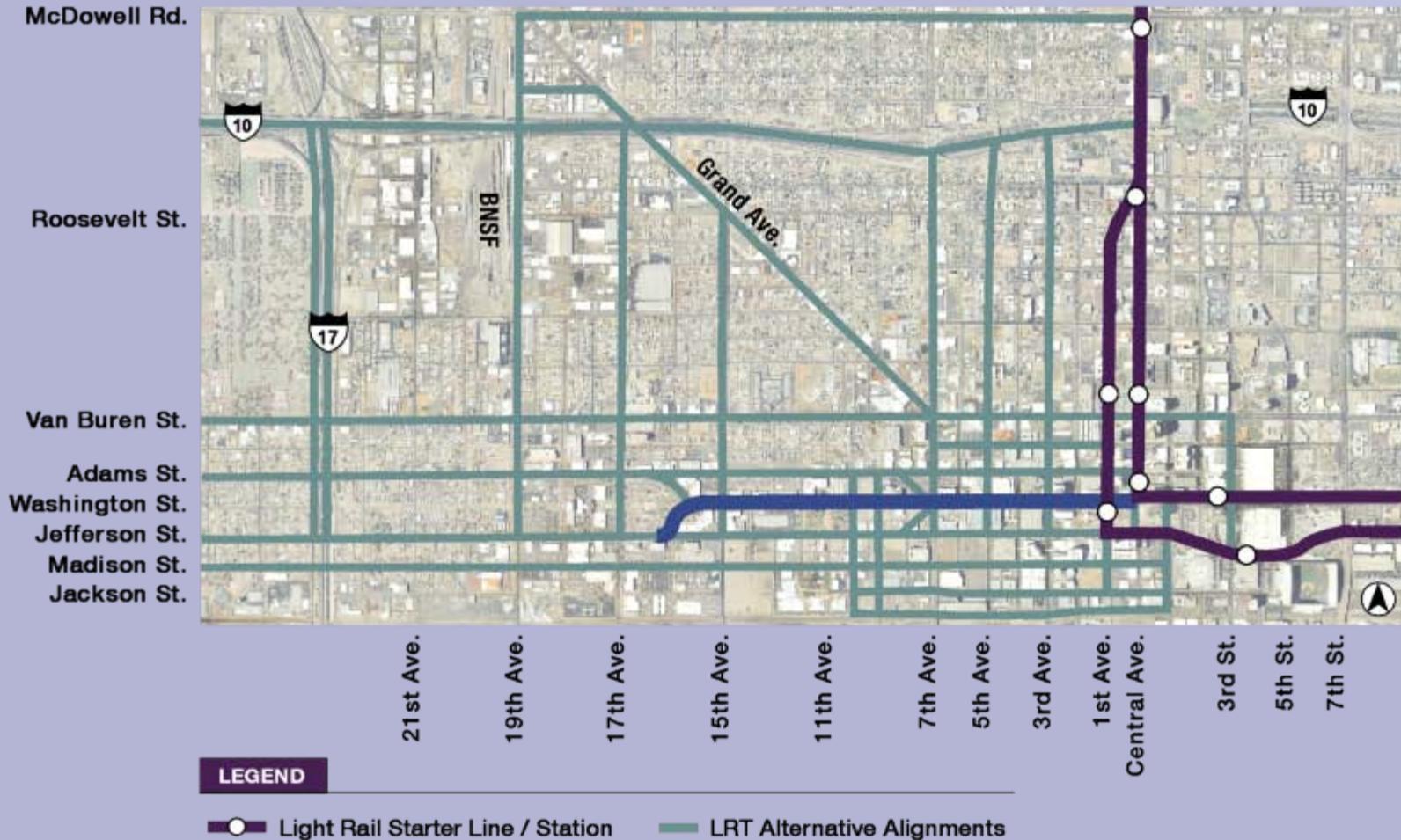


Universe of Alternatives



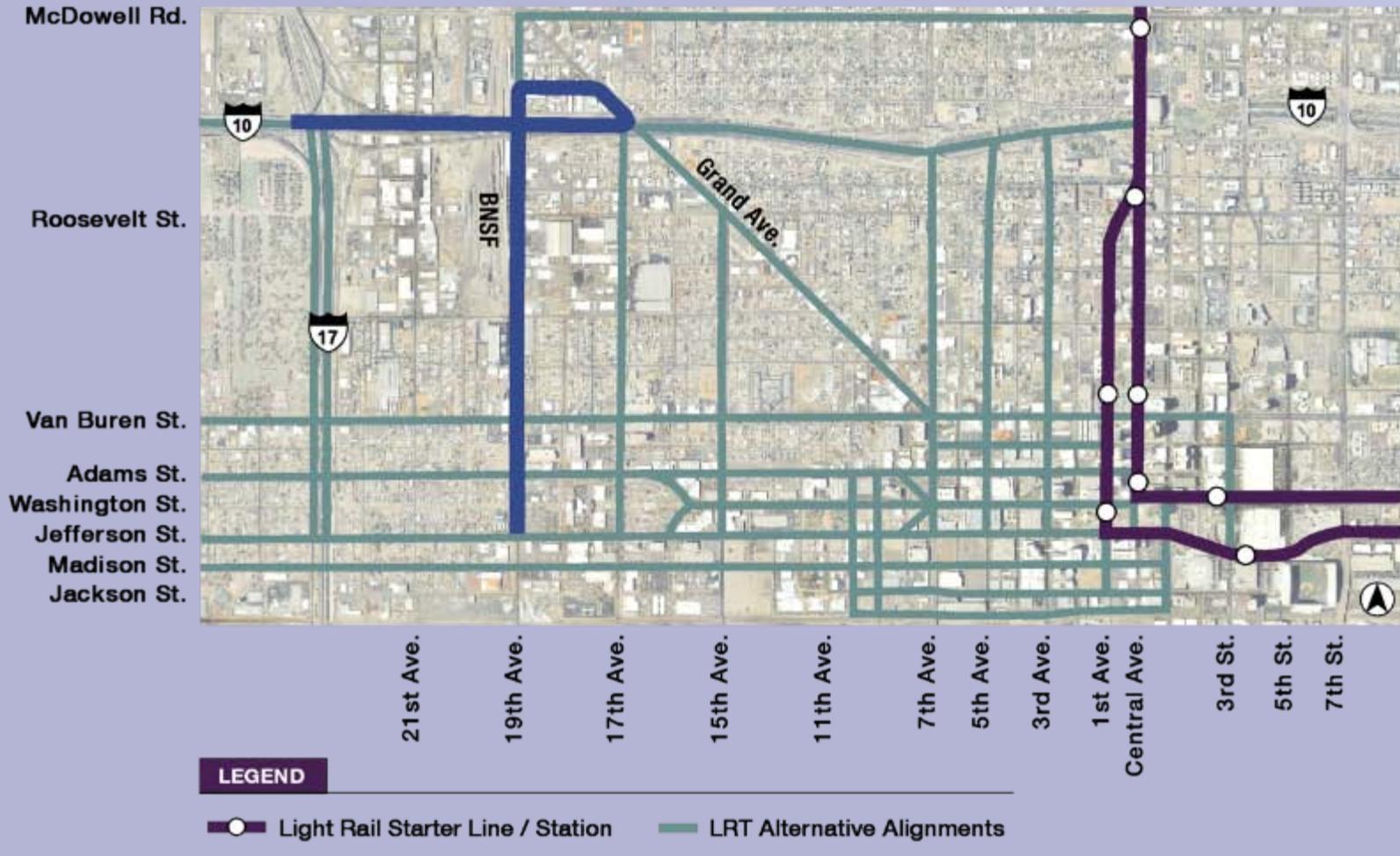


Universe of Alternatives





Universe of Alternatives





19th Ave. – Approximate Right of Way Required North of Van Buren Street

