

Final Report

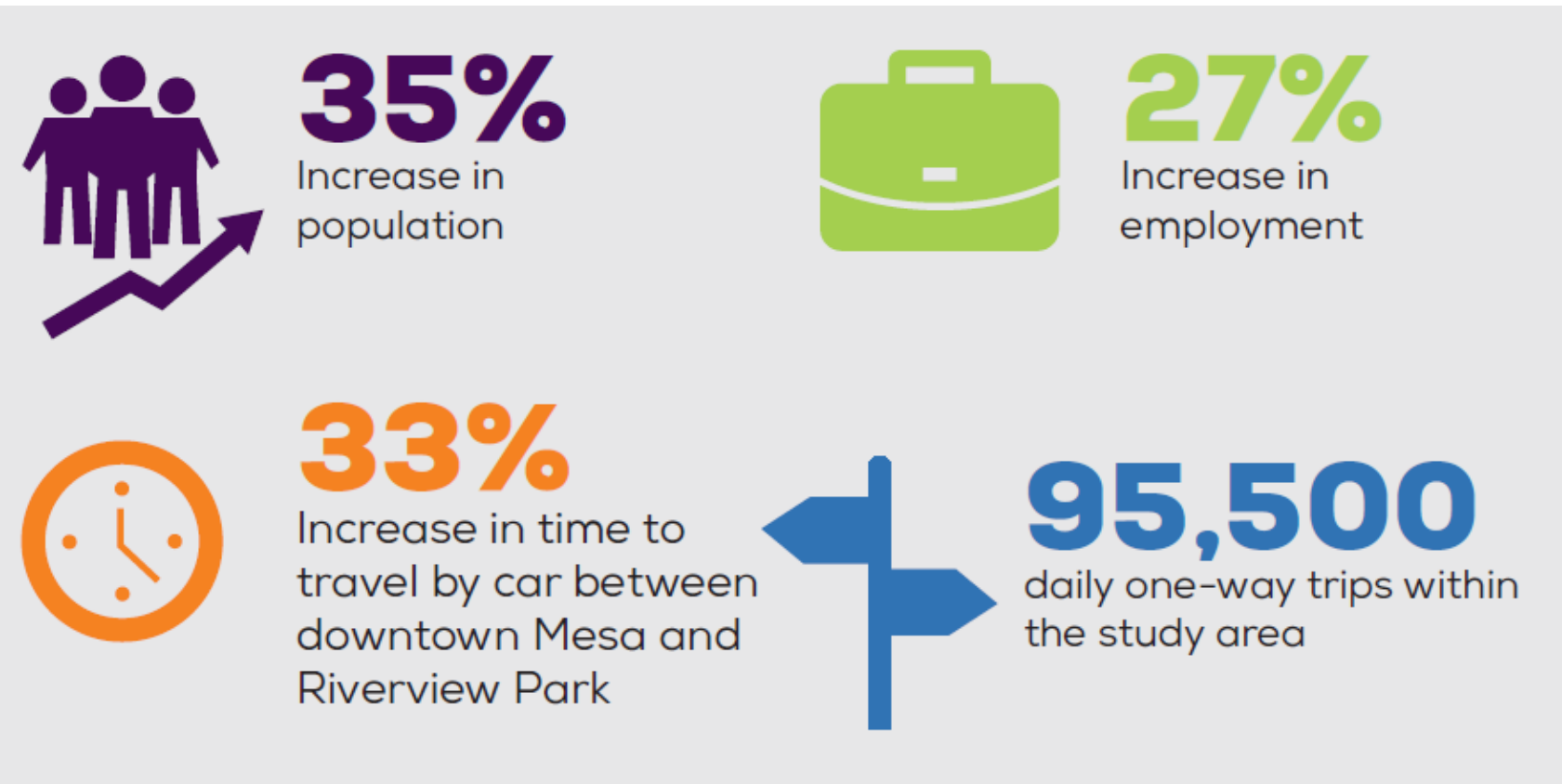
Fiesta District Alternatives Analysis Tempe/Mesa Streetcar Feasibility Study

Purpose

- **Identify potential high capacity transit corridors for possible inclusion in an extension of Proposition 400**

Multi-Modal Needs in Mesa

Based on data from the MAG Regional Travel Forecasting Model, by 2040 the study area* is predicted to have...



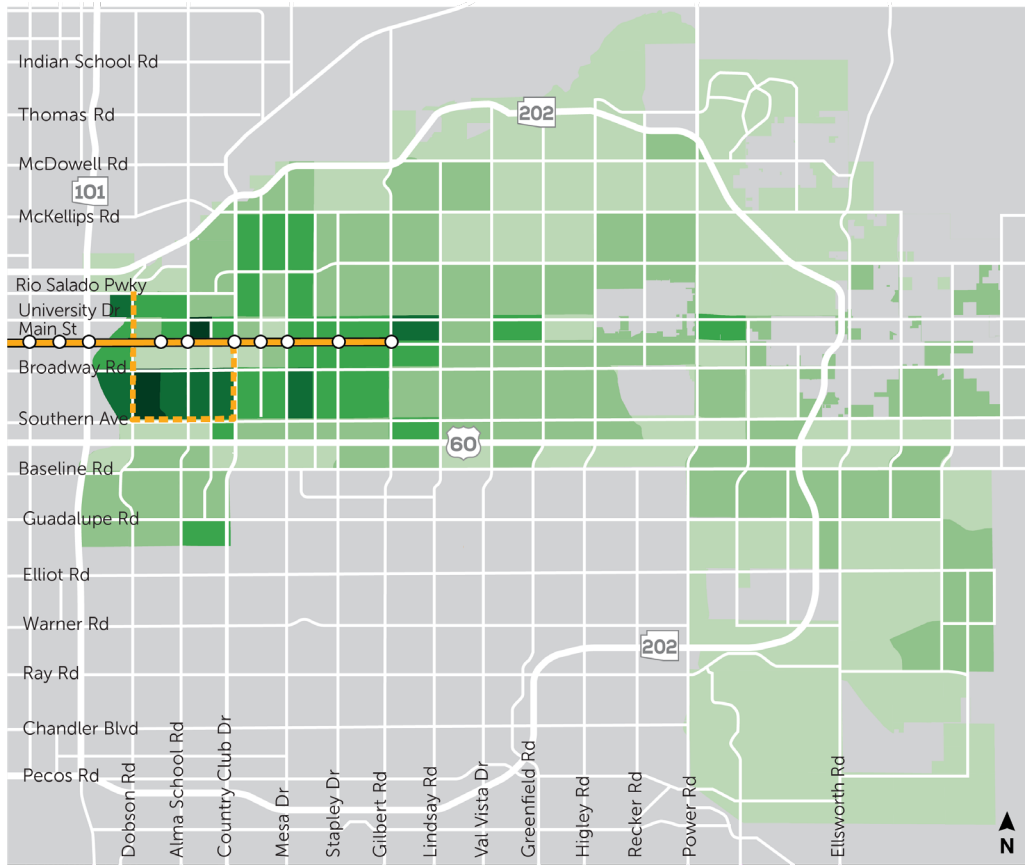
Source: MAG 2017 Regional Travel Forecasting Model

*Fiesta District Alternatives Analysis study area

Growing Population



Current



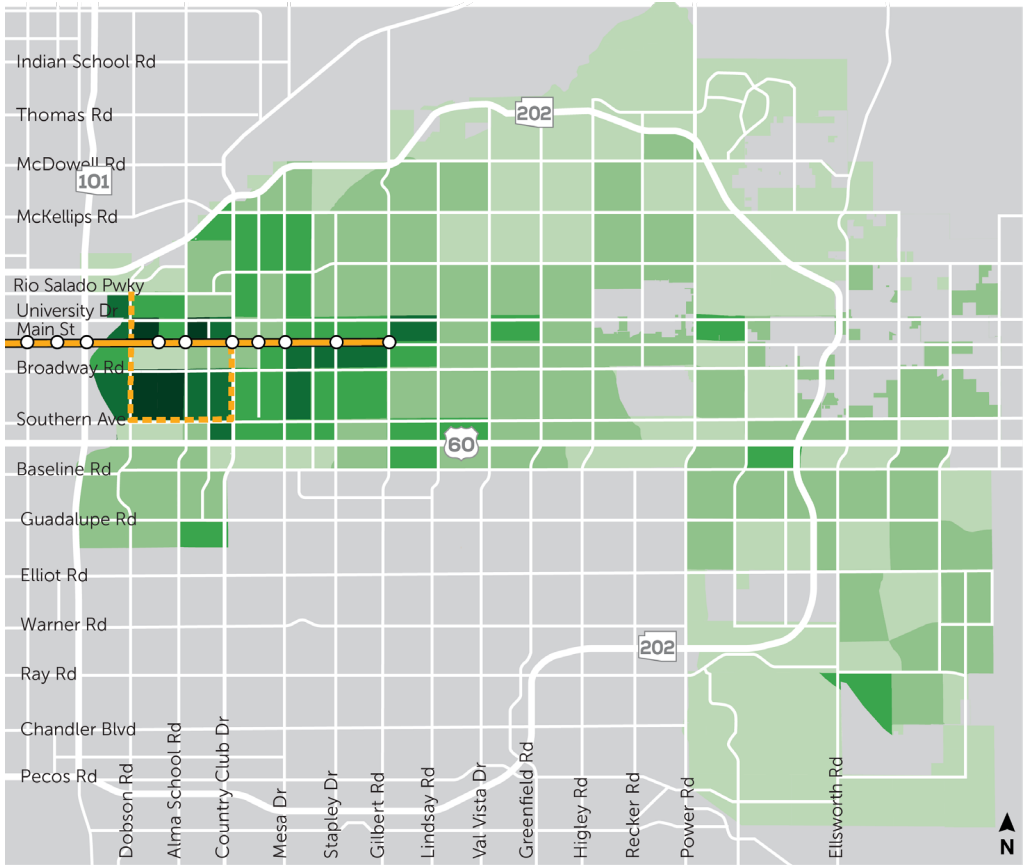
LEGEND

- Valley Metro Light Rail
- Recommended Route

Total Population in Mesa

	< 3,500		< 13,500
	< 7,000		< 17,000
	< 10,000		

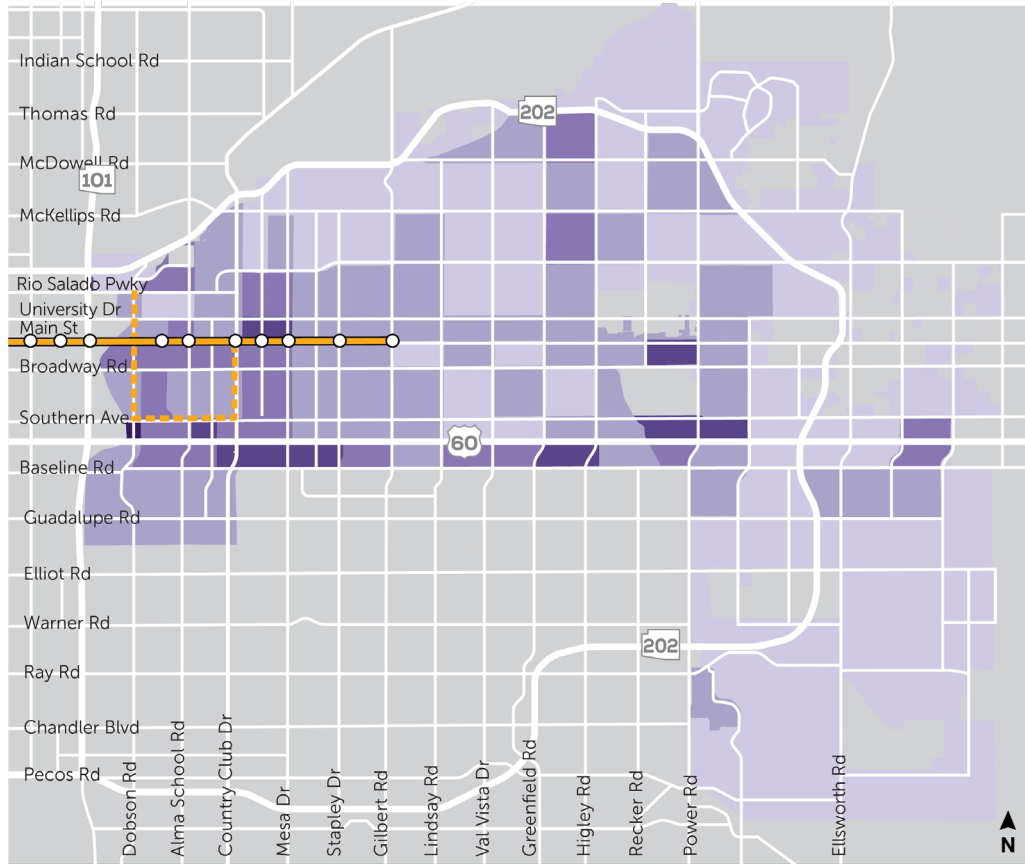
Future (2040)



Growing Employment



Current



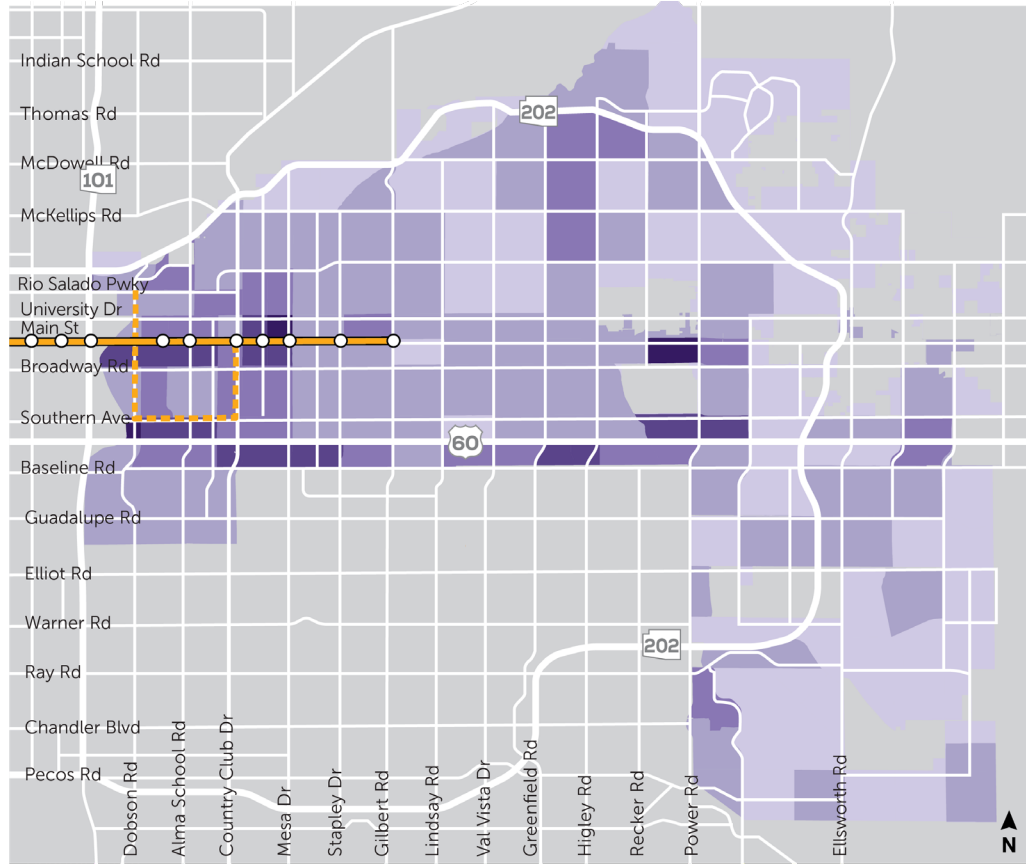
LEGEND

- Valley Metro Light Rail
- Recommended Route

Total Employment in Mesa

	< 1,000		< 14,000
	< 3,000		< 60,000
	< 7,000		

Future (2040)



Study Area

- **Tempe/Mesa Streetcar Feasibility Study (TMSFS)**

- Evaluate possible streetcar extensions in Tempe and Mesa

- **Fiesta District Alternatives Analysis (FDAA)**

- Evaluate potential High Capacity Transit (HCT) corridors and modes in west Mesa

- **Related Study: Arizona Avenue Alternatives Analysis (AAAA)**

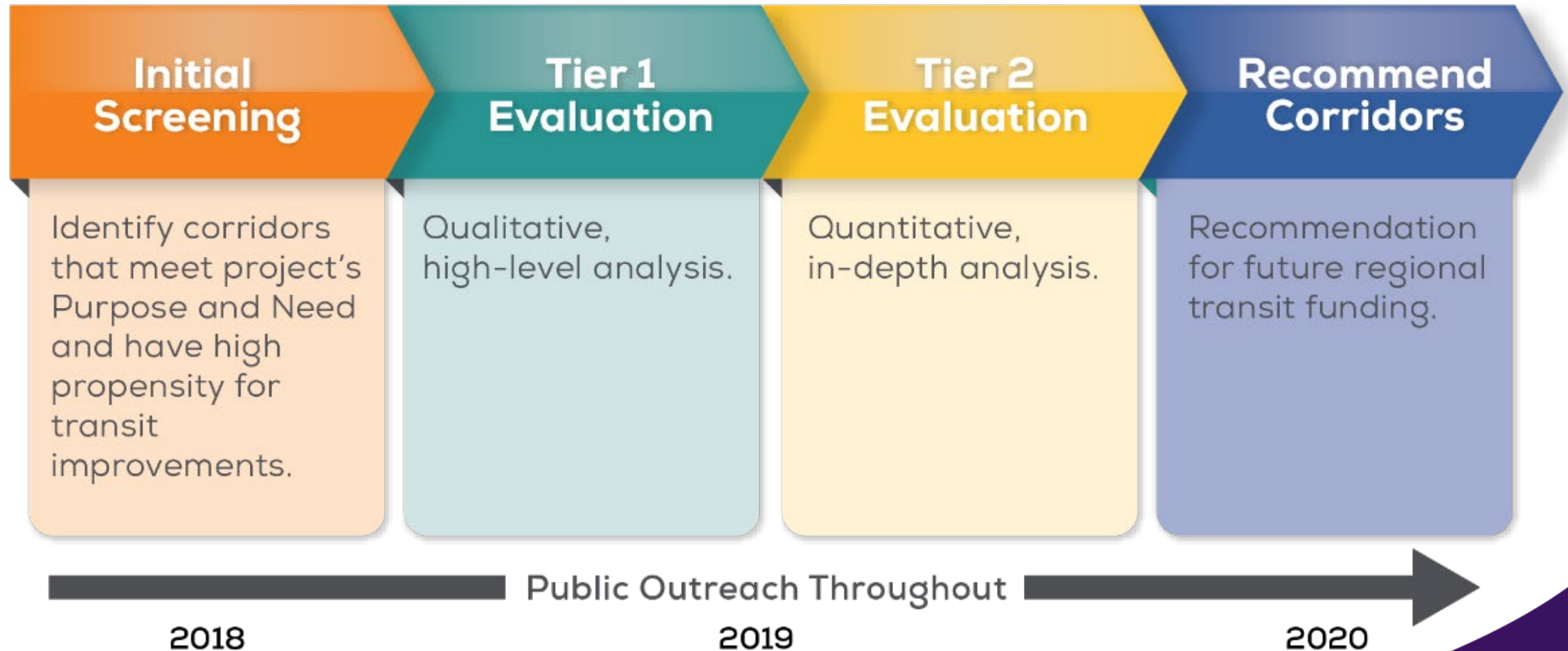
- Downtown Chandler



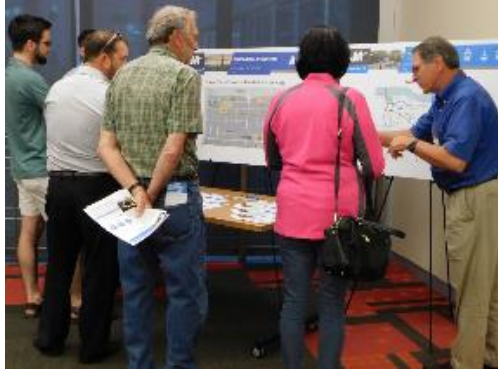
What's the Difference?

		Feasibility Study	Alternatives Analysis
Goal/Outcome		Multiple corridors	Single corridor
Transit Type Analyzed		Streetcar	Enhanced Bus Streetcar Light Rail
Methodology	Technical Analysis	✓	✓
	Community Input		✓
Next Step		Determine appropriate transit mode for Recommended Corridors	

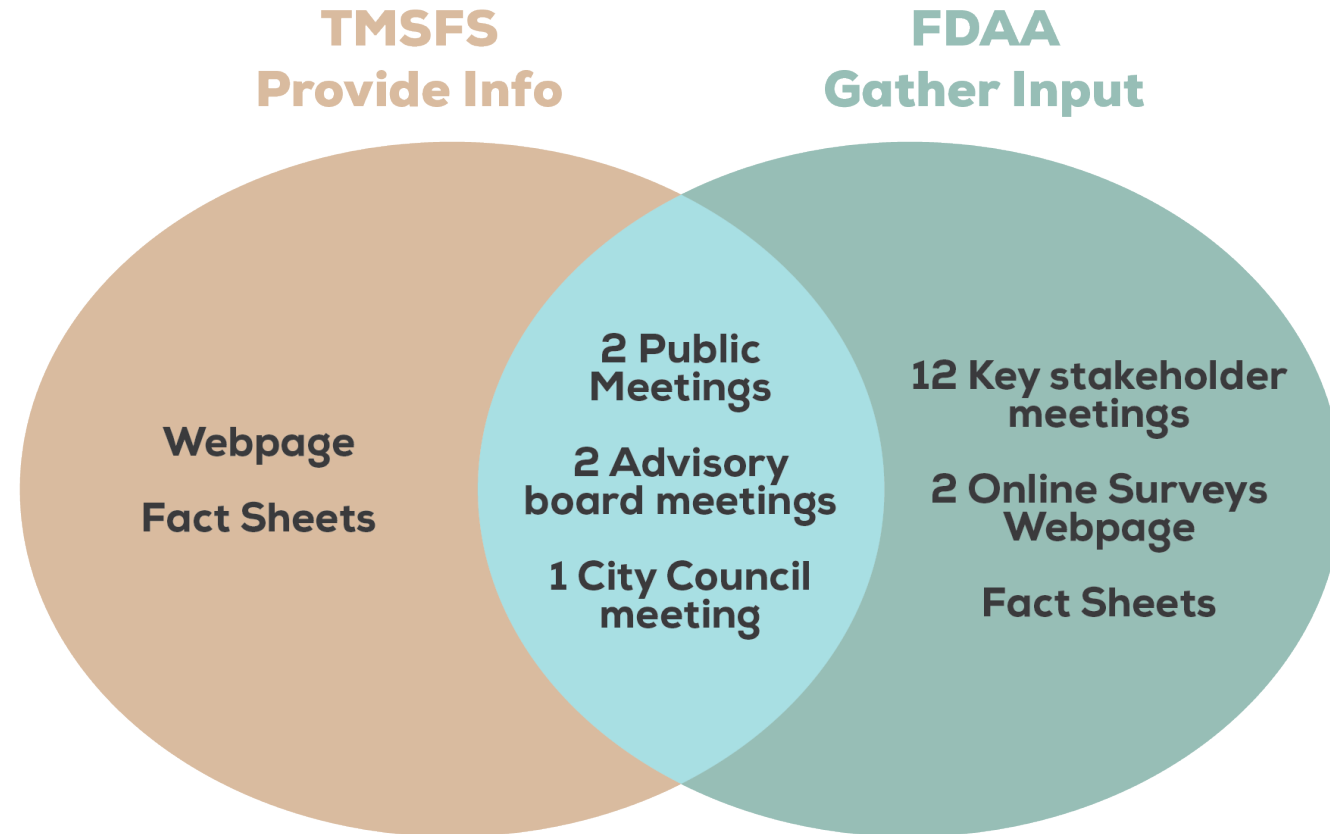
Process



Community Outreach

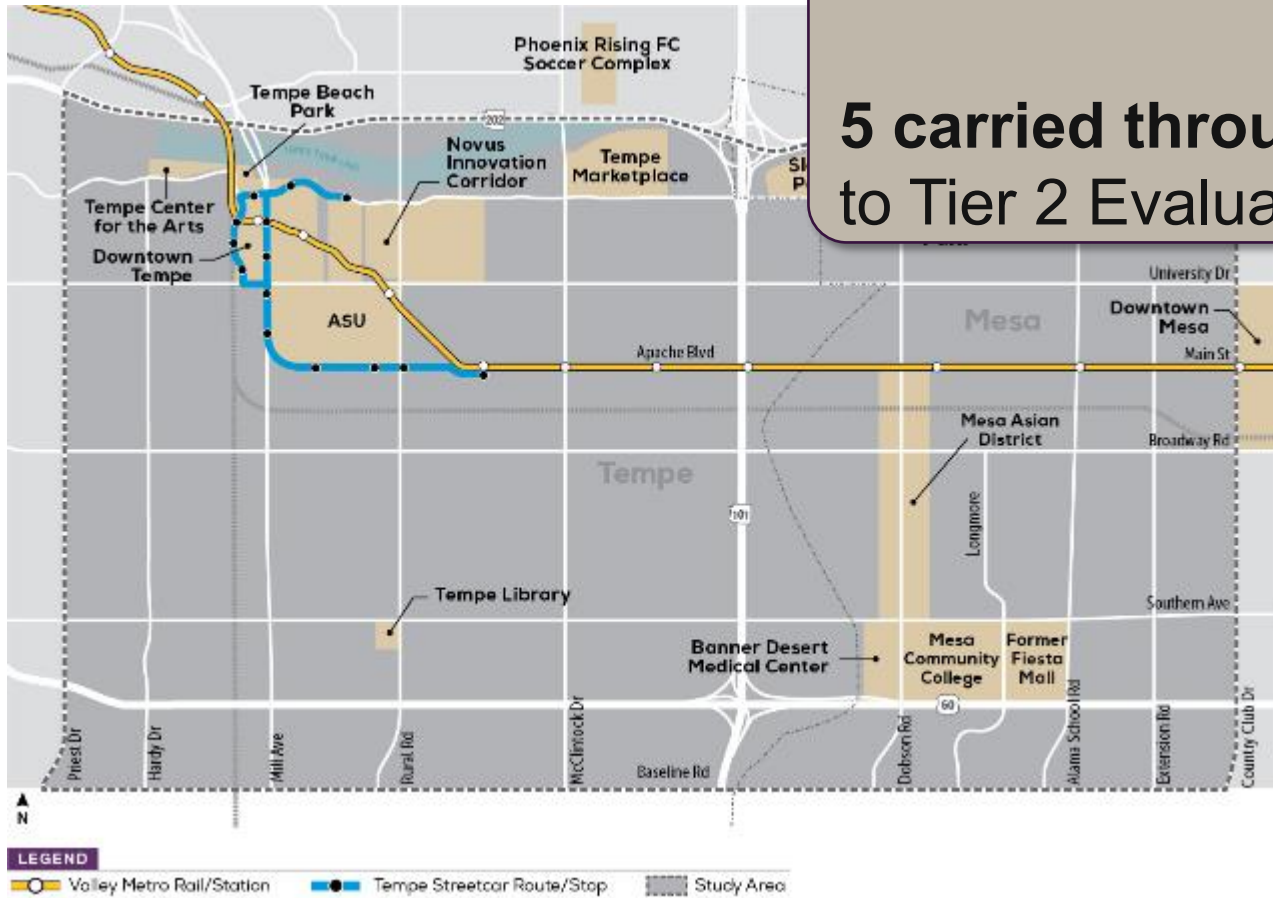


Public Meetings:
Oct. 26, 2017
Nov. 14, 2018

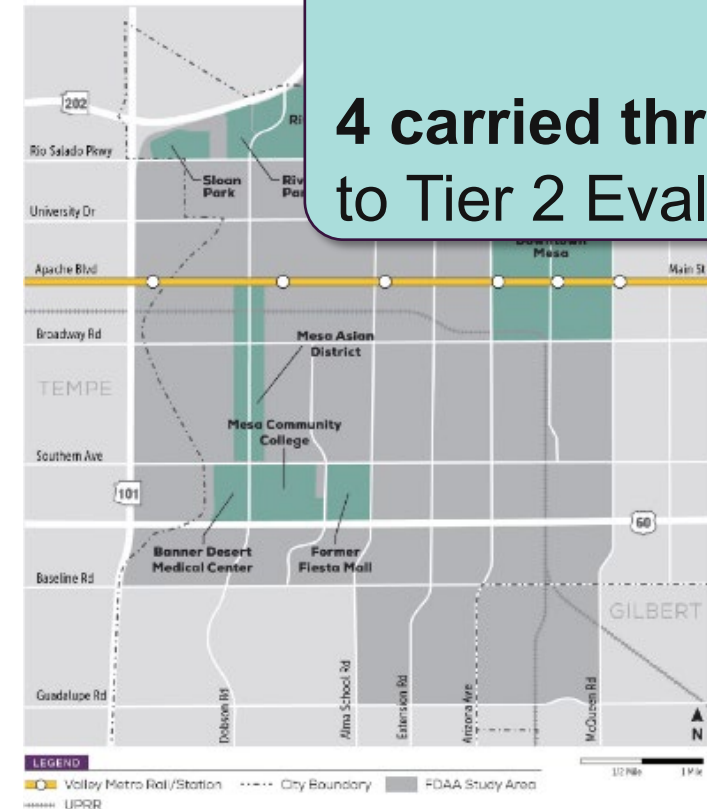


Tier 1 Evaluation Results

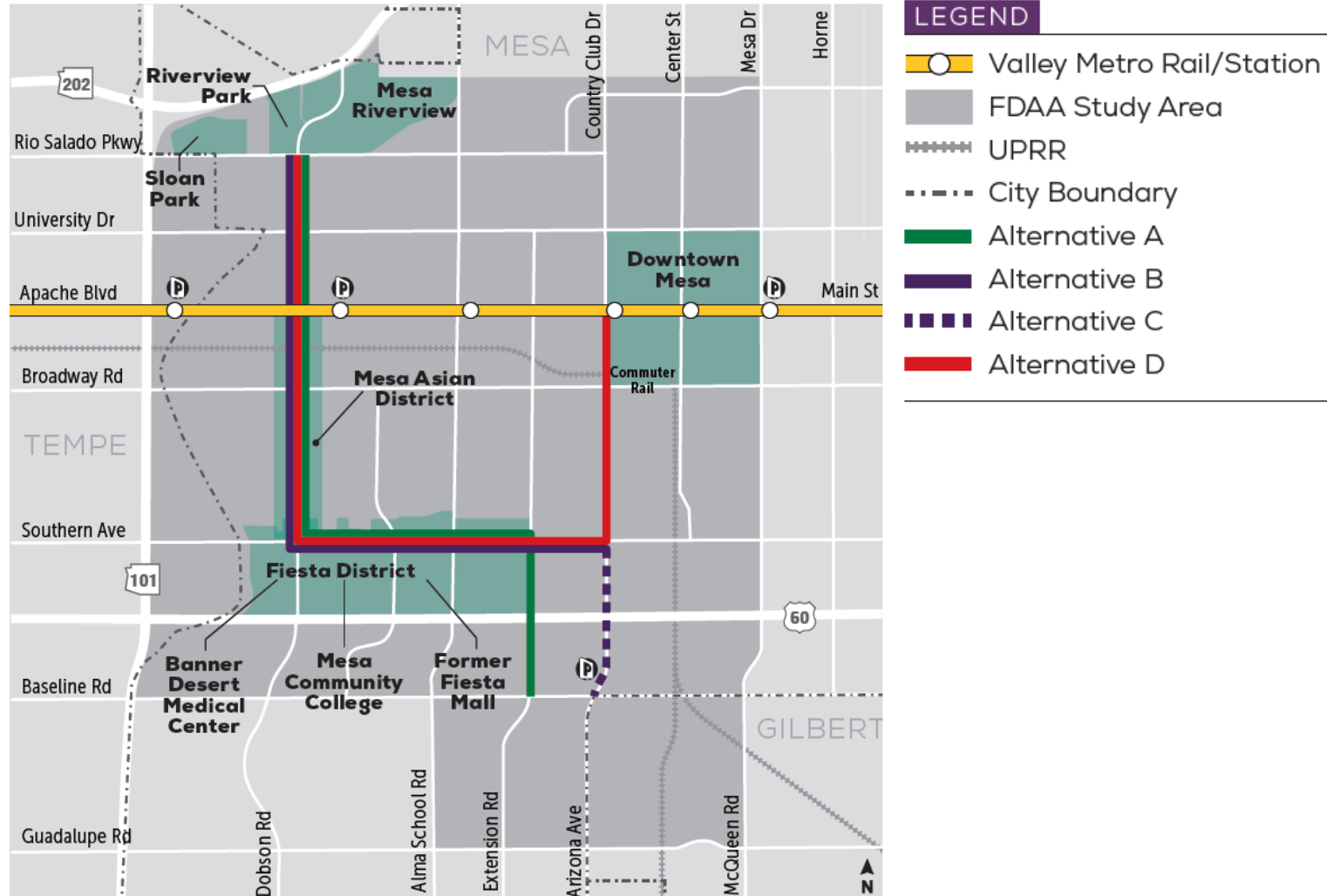
TMSFS



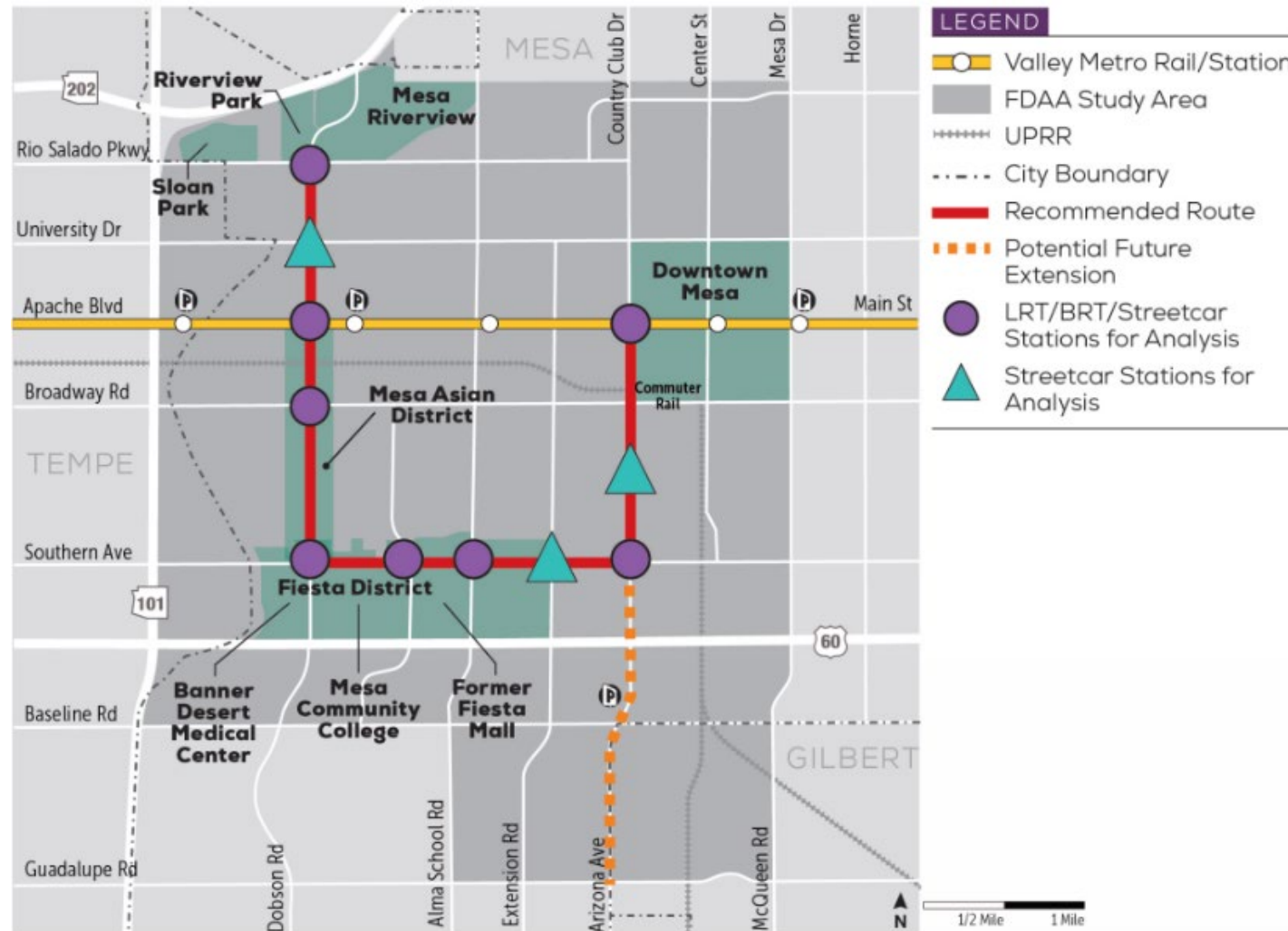
FDAA



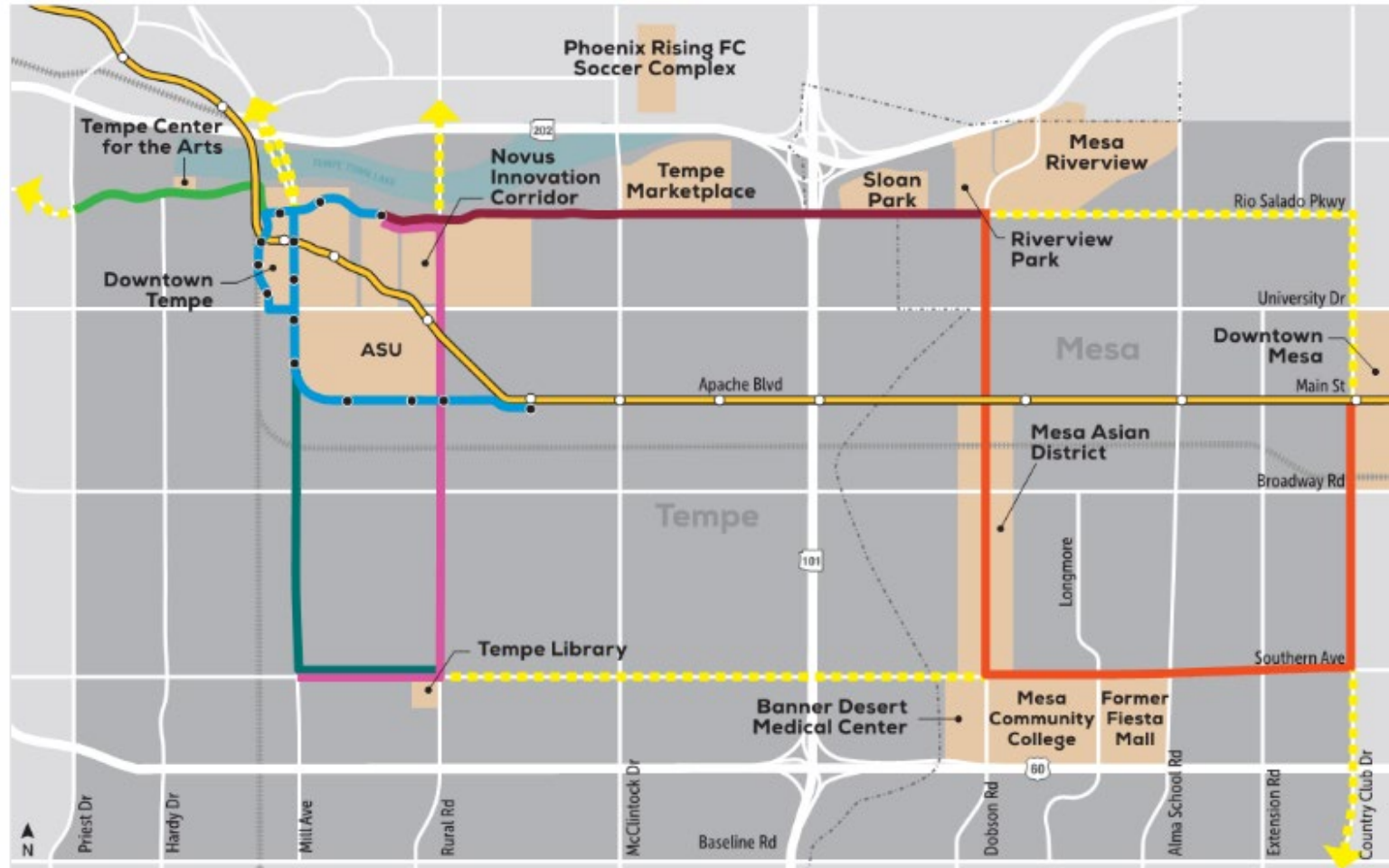
FDAA: Tier 2 Corridors












FDAA: Final Recommendation



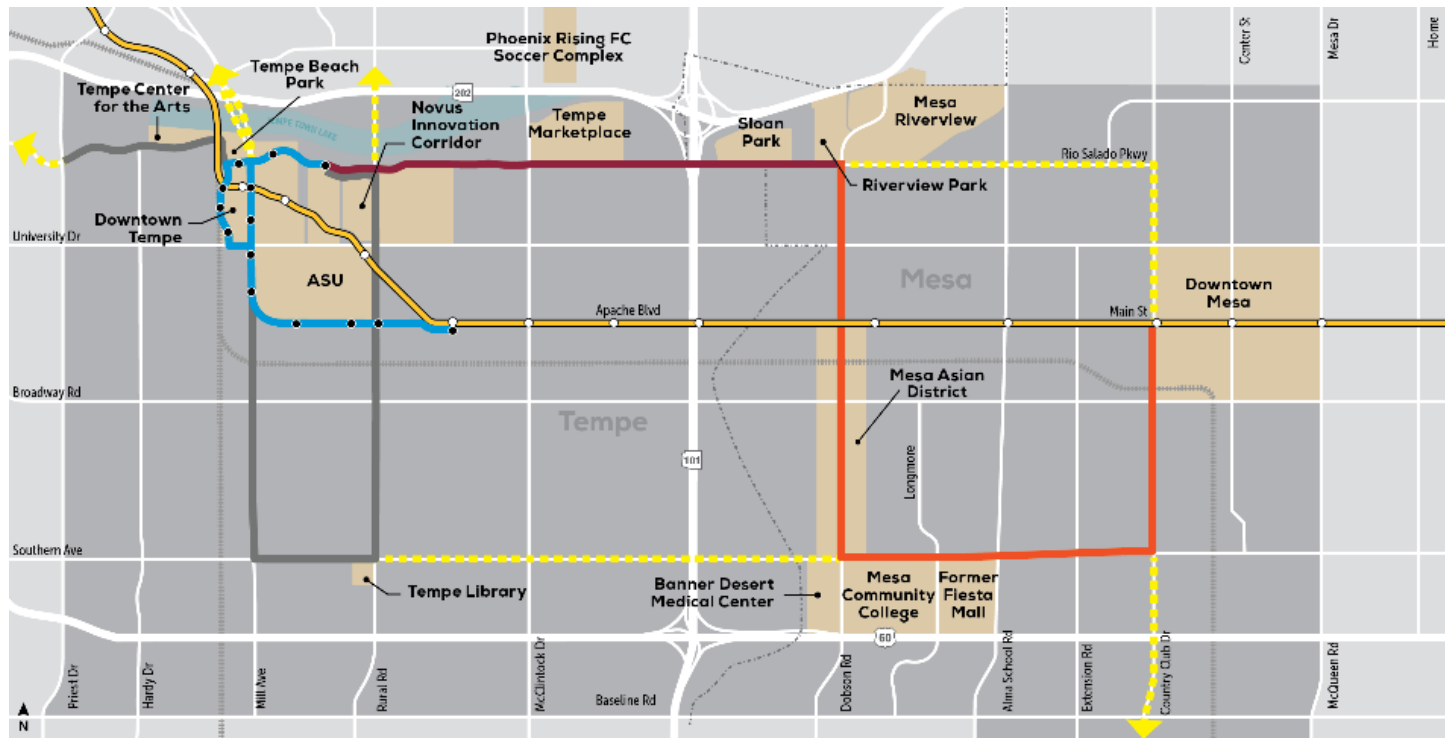
TMSFS: Tier 2 Corridors



LEGEND

- | | | |
|---|--|---|
|  Valley Metro Rail/Station |  Potential Future Connections |  Mill Avenue Option |
|  Tempe Streetcar/Stop (Opening 2021) |  Rio Salado Parkway East Option |  Rio Salado Parkway West Option |
|  Study Area |  Rural Road Option |  Dobson/Southern/Country Club Option |

FDAA/TMSFS Final Recommendations



LEGEND

Valley Metro Rail/Station	Tempe Streetcar/Stop	Additional Options from Tempe/Mesa Streetcar Feasibility Study
Rio Salado East Streetcar Option	Future Connections	Study Area
Dobson/Southern/Country Club Option ¹		

¹High-capacity transit type for Dobson/Southern/Country Club Option to be selected in future studies.

- 1 Rio Salado East: Marina Heights to Dobson
- 2 Rural: Marina Heights to Southern/Mill
- 3 Dobson, Southern, Country Club
- 4 Mill: Apache to Southern/Rural
- 5 Rio Salado West: Ash to Priest

Steps to Prioritize Future Investment

Rio Salado Parkway East & Dobson/Southern/Country Club



- **Extend Route 48** from Tempe Marketplace to Mesa Riverview on Rio Salado Pkwy
- Enhance service on **Route 30** – University Dr and **Route 45** – Broadway Rd
- Implement a uniquely **branded local circulator route** to further develop transit market



- Integrate corridor into the **city of Mesa's General Plan** update to drive transit-supportive development
- Continue coordination with developers to seek **opportunities to integrate streetcar** into developments
- Encourage developers along the corridor to **implement transit-oriented development elements**

Questions

Broadway Rd/Dobson Rd | Looking South



ONLY FOR ILLUSTRATIVE PURPOSES



Thank You



Appendix

FDAA Tier 1 Results

Alternative 1



Alternatives 2a & 2b



Alternative 5



Alternative 6



Alternatives 3a & 3b



Alternative 4



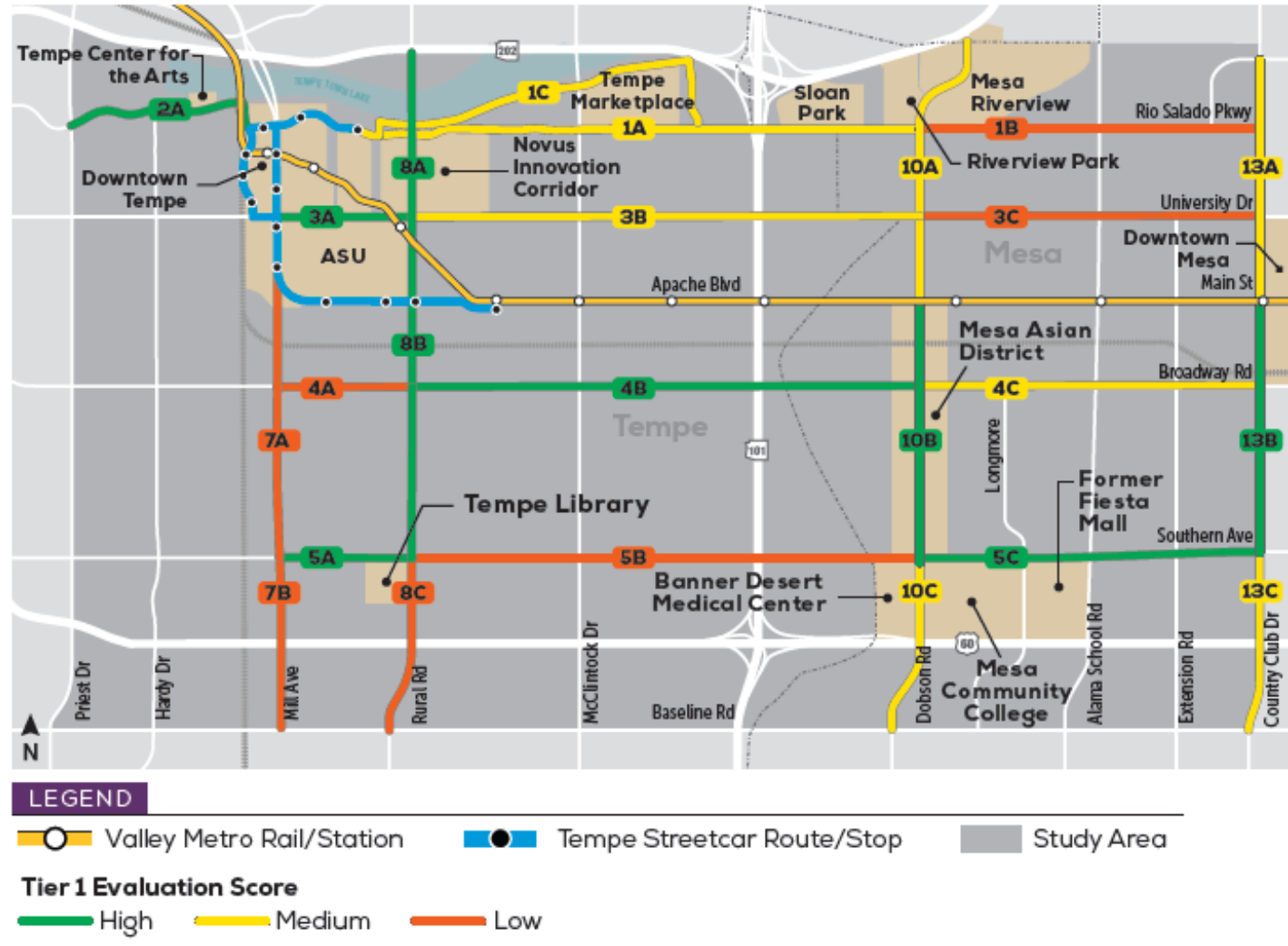
Alternative 7



Alternatives 8a & 8b



TMSFS Tier 1 Results



Conceptual Design Cross Sections

