ADOT Passenger Rail Corridor Study

Tucson to Phoenix

Maricopa Association of Governments Regional Council

September 30, 2015

PASSENGER RAIL CORRIDOR STUDY
Tucson to Phoenix

Passenger Rail Corridor Study Process

- Tier 1 EIS (Current Study)
  - Large Expansive Corridors
  - Phased over time
  - Identifies Broad program decisions
  - No Funding/Mitigation identified
- Tier 2 EIS (Subsequent Studies)
  - Project level analysis
  - Specific Rail Alignments, station locations and connections
  - Cost Estimates and Operating Concept
  - Reasonable expectation of funding

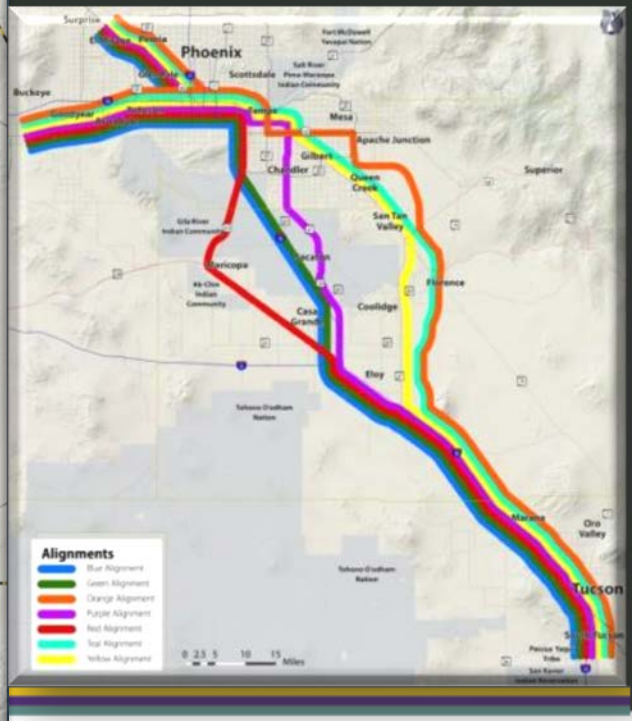
www.azdot.gov/passengerrail

PASSENGER RAIL CORRIDOR STUDY
Tucson to Phoenix

Project Basis

- Originally identified in BQAZ Vision (2010)
- Expected growth in Sun Corridor
- Interstate10 only high capacity facility linking Tucson and Phoenix Metro areas
- Identify transportation alternatives

Final Alternatives



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Forecast Ridership and Travel Time

Alternative	Annual Ridership (2035)	Length (miles)
	3.5 M – 5.5 M	
Green	3,750,000	113
Orange	4,500,000	132
Yellow	5,500,000	120

Travel Time (Phoenix – Tucson)	Green	Orange	Yellow
	I-10 Rail	Central Pinal/ E. Valley	UP Tracks
Commuter travel time (min)	83	104	95
Intercity travel time (min)	73	90	83

U.S. Department of Transportation
Federal Railroad Administration
Federal Transit Administration

ADOT

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High-Level Cost Estimate

- No funding currently identified
- Includes:
  - ROW impact
  - Construction
  - Equipment
  - Facilities

Alternative	Estimated Cost (2013 $)
Green	$5.2 – $7.9 Billion
Orange	$6.8 – $8.4 Billion
Yellow	$4.2 – $5.1 Billion

Public Outreach Program

- 10,000+ surveys completed
- Support from over 95% of those who participated
- Preference for Yellow Alternative

Preferred Alternative

- **Yellow**: 48%
- **Green**: 30%
- **Orange**: 22%

Final Alternatives – Under Evaluation

- Green Alternative
  - Substantial Impacts to Cultural Resource Properties; ROW Challenges; Lower Ridership
  - Orange & Yellow Alternatives

ADOT Recommendation

- **Yellow Alternative**
  - Tempe Option
  - Pinal Option

- Preferred Alternative
  - ***Determined as part of Final Tier 1 EIS and Record of Decision***

Alternatives Analysis (AA)
Level 3 Analysis –Results

Criteria	Final Alternatives	
	Yellow	Orange
Community Acceptance and Accessibility	+	-
Environmental	+	-
Financial Feasibility	+	-
Operating Characteristics	-	+
Mobility	+	-
At Grade Crossings	-	+

Schedule

- Draft Tier I EIS – September 2015
  - Public Comment Period through October 30, 2015
  - Public Hearings completed – 5:30 PM – 7:00 PM
    - Phoenix - Burton Barr Library, September 15 - 5:30 PM-7:00 PM
    - Tucson - Convention Center , September 16 - 5:30 PM-7:00 PM
    - Central Arizona College, Coolidge, September 17 - 5:30 PM-7:00 PM
- Final Tier I EIS/Record of Decision – Fall 2015
- Service Development Plan – Fall 2015

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