



Transit Committee

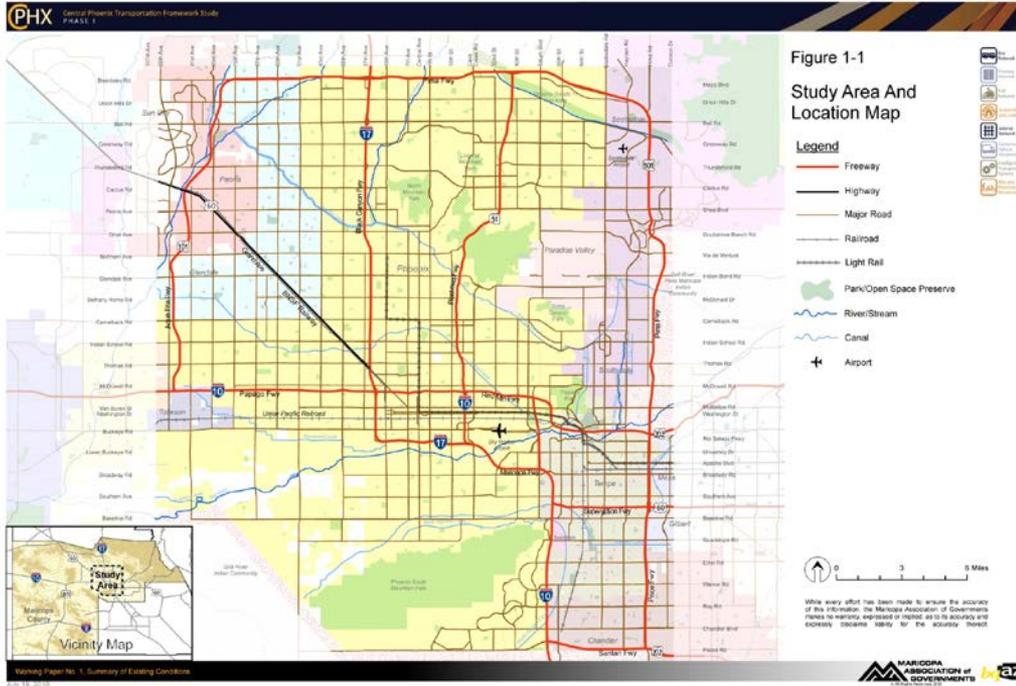
An Overview of Development of CPHX Framework Alternatives



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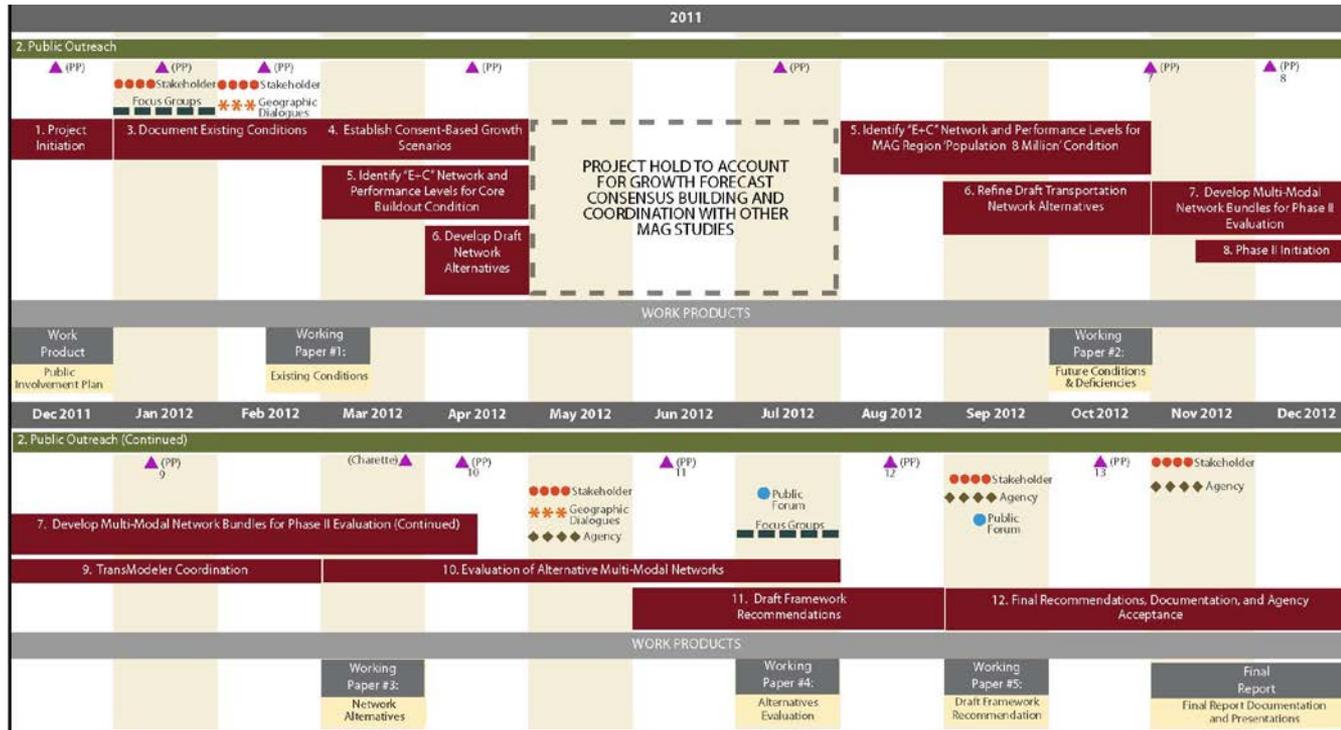
CPHX Study Area



Study area
bounded by Loop
101 and Loop
202/Future Loop
202 Extension

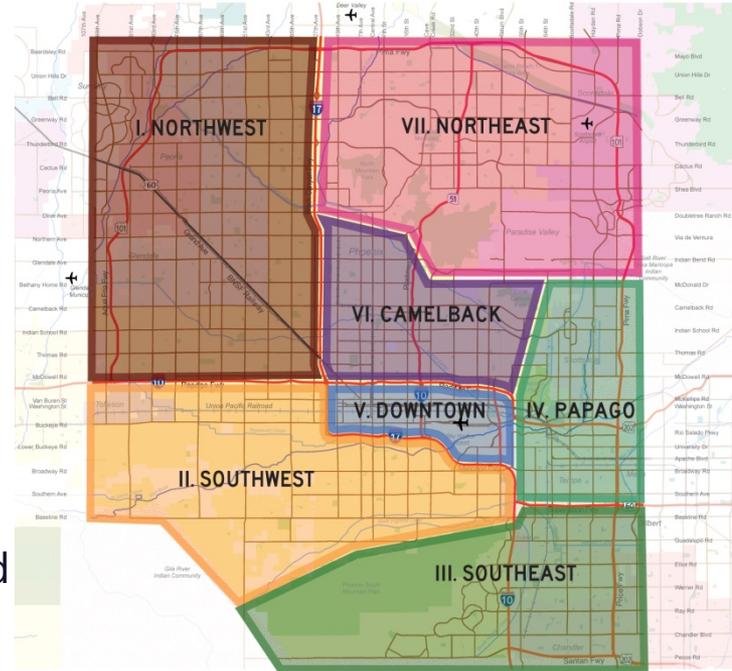


CPHX Study Schedule



CPHX Outreach

- Focus Groups
 - Five focus groups held
 - 85 total participants
- Leadership Interviews
 - Met with over 25 agencies
- Geographically-Based Dialogues
 - Seven geographically based dialogues held



Issues Identified to Date

- Phase 1 Outreach
 - Study recommendations
 - Policy recommendations
 - Mobility recommendations
- Population 8 Million Deficiency Analysis



Developing Inputs for the Alternative Bundles

- Charrette attendees identified a universe of fiscally unconstrained, multimodal transportation projects to address long-range needs of the CPHX study area
- Additional projects identified by the CPHX project team
- All projects assessed using the Livability Principles



Livability Principles

- Transportation choice
- Equitable, affordable housing
- Economic competitiveness
- Support existing communities
- Coordinate and leverage federal policies and investments
- Communities and neighborhoods



Creating the Alternative Bundles

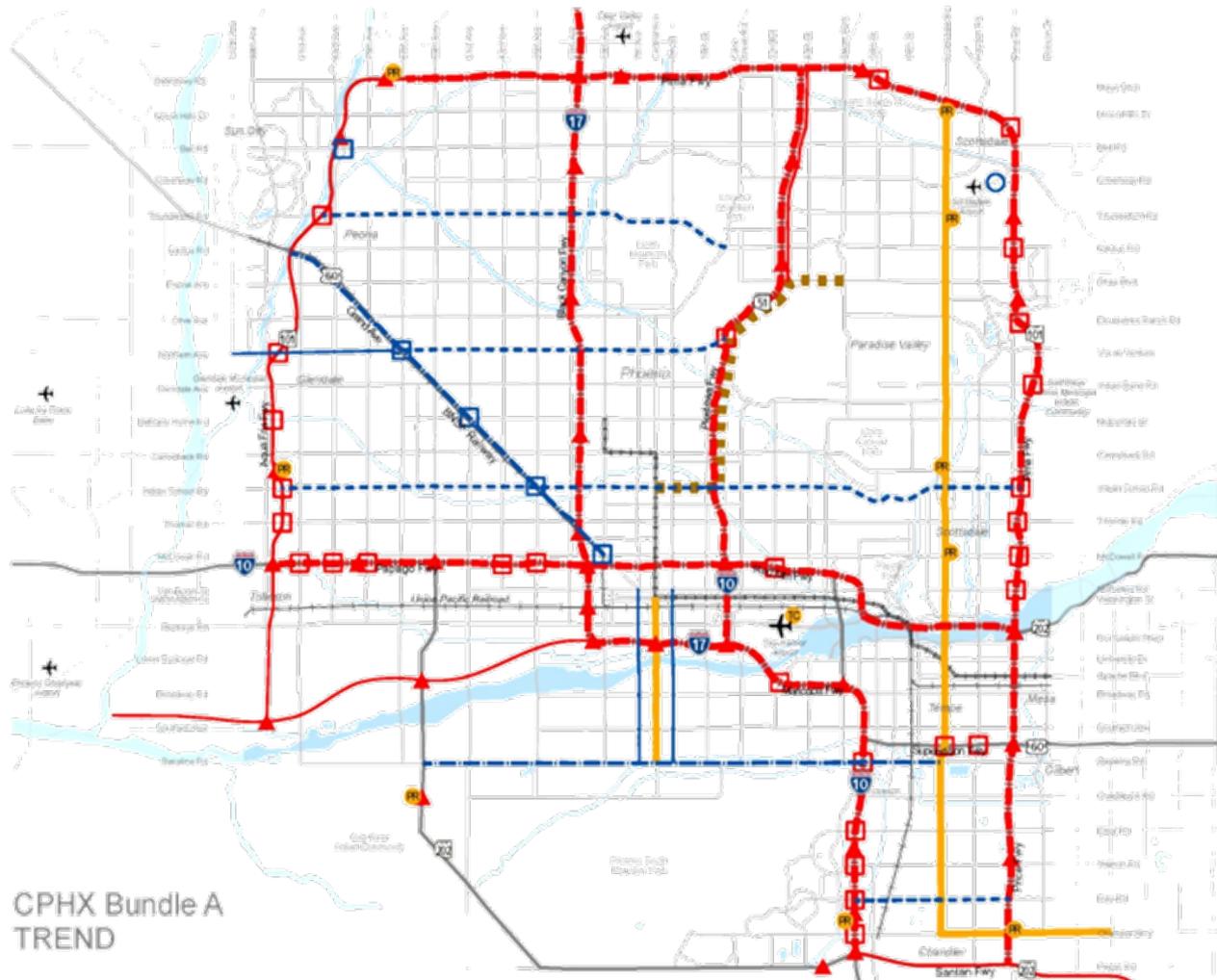
- Common themes were used to identify three bundles:
 - Bundle A: Trend/Improved Reliability
 - Bundle B: Distributed Growth
 - Bundle C: Focused Corridors



Creating the Alternative Bundles

- Bundle A: Trend/Improved Reliability
 - Maintains 2% mode split
 - Improved local bus system with 10 minute headways
 - DHOVs at system interchanges and park & rides
 - Advanced Traffic Management Strategies





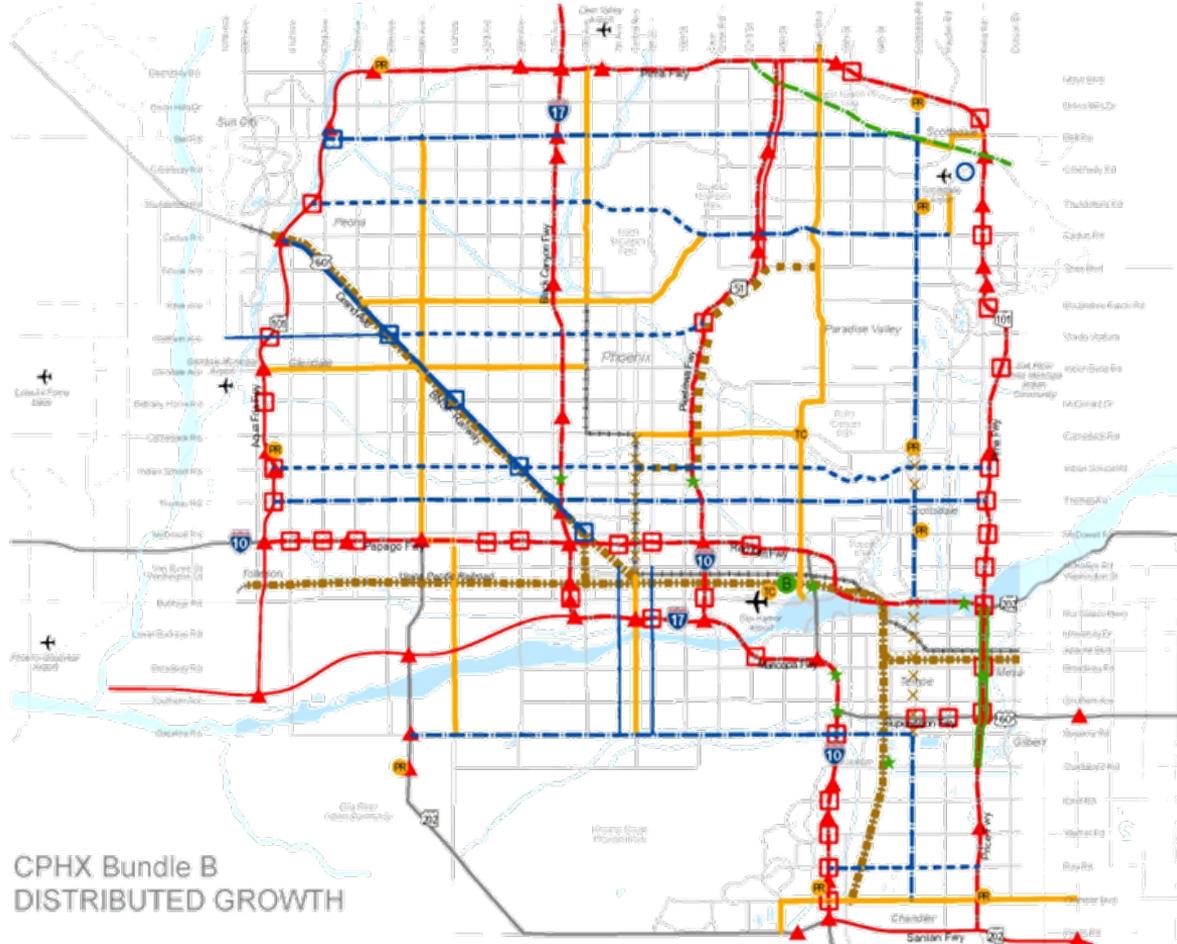
- Legend**
- Transit_Point**
 - Improvement_Type
 - New Park-N-Ride Location
 - New Transit Center
 - PedBike_Point**
 - Improvement_Type
 - Add Mid-Block Signalized Ped Crossing
 - Add WOODNERF
 - ★ Ped/Bike Crossing
 - PedBike_Link**
 - Improvement_Type
 - New Bike Route
 - - - New Multi-Use Path
 - · - · - New Pedestrian Route
 - Arterial_Point**
 - Improvement_Type
 - New Roundabout
 - Urban Grade Separation
 - Arterial_Link**
 - Improvement_Type
 - - - Arizona Parkway Conversion
 - Arterial Improvements
 - · - · - Transit Oriented Parkway Conversion
 - Freeway_Point**
 - Improvement_Type
 - Modify Traffic Interchange
 - ▲ New Direct HOV Ramps
 - ☆ New Freeway Crossing
 - New Traffic Interchange
 - Freeway_Link**
 - Improvement_Type
 - · - · - Add Frontage Road
 - Add General Purpose Lanes
 - · - · - Add HOV Lanes
 - · - · - Add Managed Lanes
 - Transit_Link**
 - Improvement_Type
 - · - · - Intercity Rail
 - · - · - New Commuter Rail
 - · - · - New Express Service
 - New High Capacity Transit
 - New Light Rail Transit
 - X Subway/Elevated Rail

CPHX Bundle A
TREND
DRAFT (04/20/2012)

Creating the Alternative Bundles

- Bundle B: Distributed Growth
 - Improved mode split (2-5%)
 - Maintains current trip times
 - Improved local bus system with 10 minute headways
 - DHOVs
 - Advanced Traffic Management Strategies
 - Managed lanes on all freeways
 - Commuter Rail





Legend

- Transit_Point**
- Improvement_Type**
- New Park-N-Ride Location
- New Transit Center
- PedBike_Point**
- Improvement_Type**
- Add Bike Parking
- Add Mid-Block Signalized Ped Crossing
- ★ PedBike Crossing
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- New Pedestrian Route
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- Improvement_Type**
- New Roundabout
- Urban Grade Separation
- Arterial_Link**
- Improvement_Type**
- - - Indirect-Left Corridor Conversion
- Arterial Improvements
- Transit Oriented Parkway Conversion
- × Subway/Elevated
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- Improvement_Type**
- Add Frontage Road
- Add General Purpose Lanes
- - - Add HOV Lanes
- - - Add Managed Lanes
- Transit_Link**
- Improvement_Type**
- ||||| Intercity Rail
- New Commuter Rail
- New Express Service
- New High Capacity Transit
- New Light Rail Transit
- × Subway/Elevated Rail

CPHX Bundle B
 DISTRIBUTED GROWTH
 DRAFT (04/20/2012)

Creating the Alternative Bundles

- Bundle C: Focused Corridors
 - Improved mode split (2-10%)
 - Improved local bus system with 10 minute headways
 - DHOVs in focused corridors only
 - Advanced Traffic Management Strategies in focused corridors only
 - Managed lanes in focused corridors only

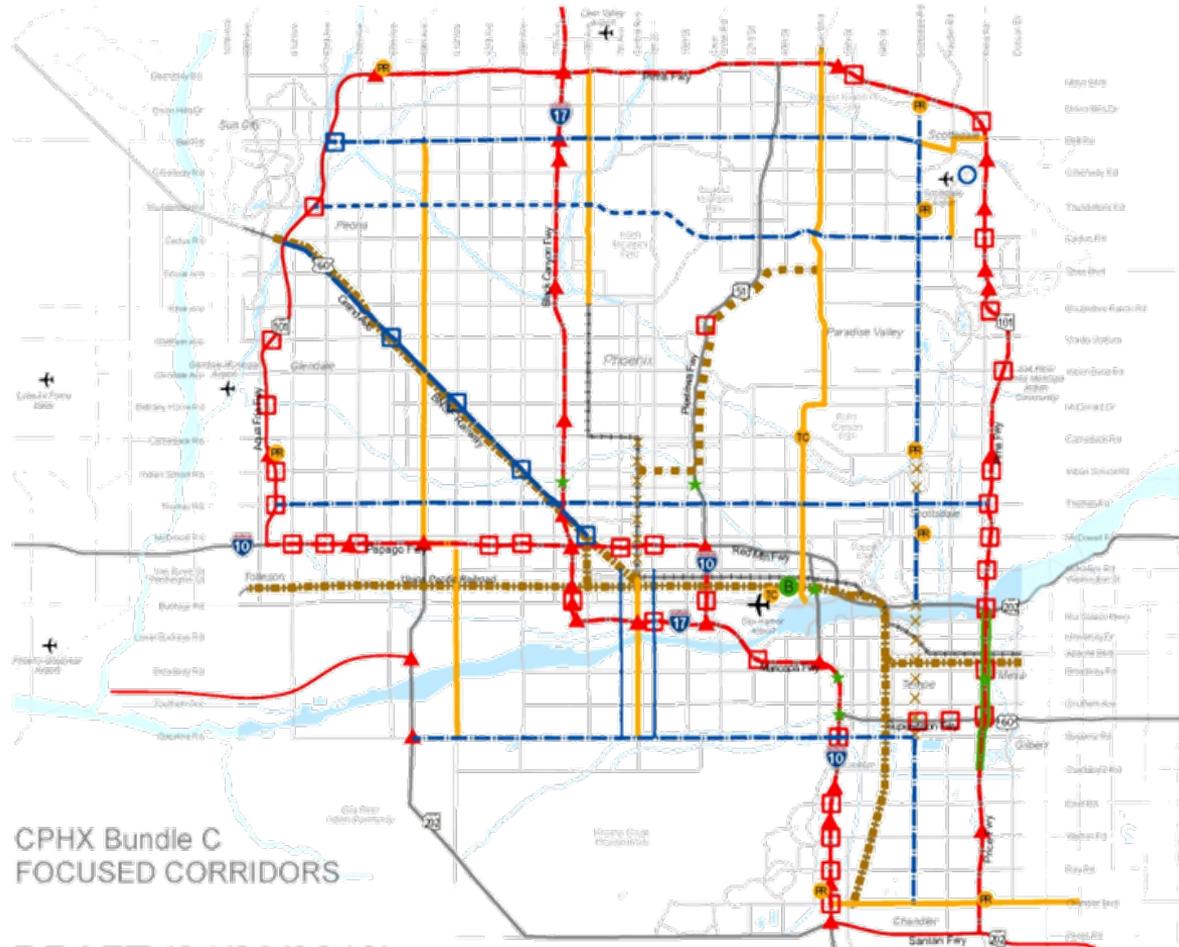


Creating the Alternative Bundles

■ Bundle C: Focused Corridors

- I-17
- I-10 West
- I-10 South
- SR-101L
- SR-51
- US-60/Grand Avenue
- Bell Road or Thunderbird Road
- Thomas Road
- Baseline Road or Southern Road
- 51st Avenue/59th Avenue
- 44th Street/Tatum Boulevard
- Scottsdale Road/Rural Road
- Central Avenue





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CPHX Bundle C
 FOCUSED CORRIDORS
 DRAFT (04/20/2012)

Next Steps

- Planning Partner Refinement of Bundles (May 2012)
- Geographically Based Dialogues (May/June 2012)
- Final Adoption of Bundles for Evaluation (July 2012)
- Coding of Multi-modal Network Bundles (July 2012)





An Overview of Development of CPHX Framework Alternatives

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- Bus Network
- Freeway Network
- Rail Network
- Sustainability and Livability
- Arterial Network
- Commercial Vehicle Movements
- Intelligent Transportation Systems
- Bike and Pedestrian Movements



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