



► Sustainable Transportation & Land Use Integration Study

Transit Committee

Eileen Yazzie

January 12, 2011

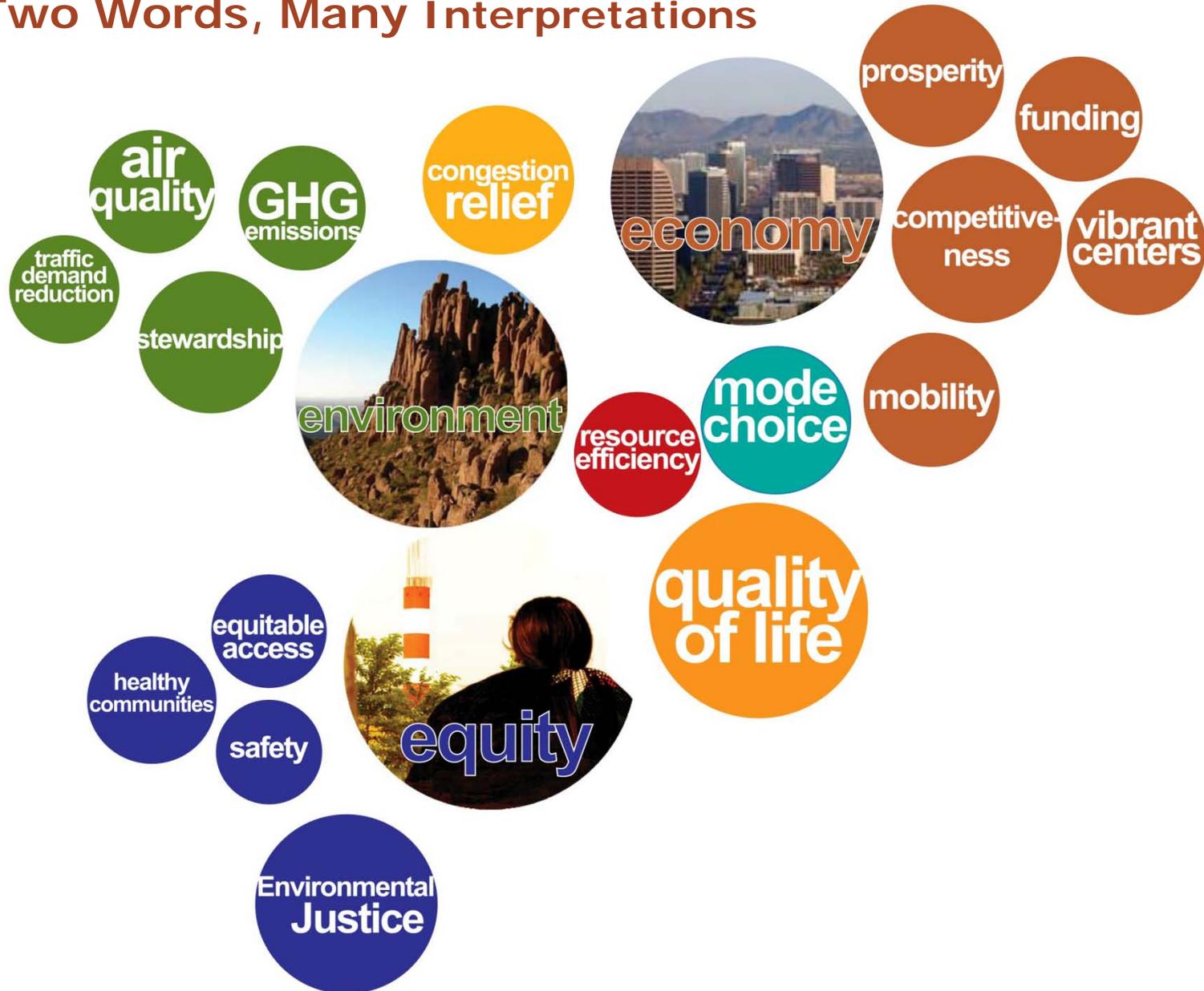


SUSTAINABLE TRANSPORTATION
& LAND USE INTEGRATION STUDY



► Sustainable Transportation

Two Words, Many Interpretations

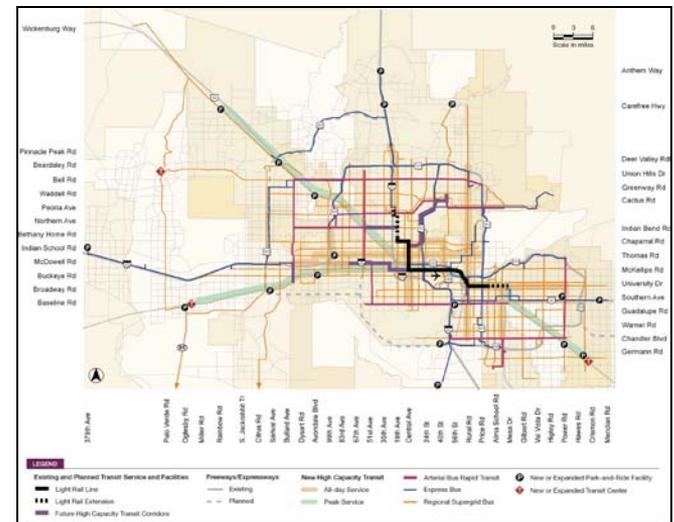


Introducing the Project

1. Study Progress and Milestones

- Completed Work
- Next Up/Key components

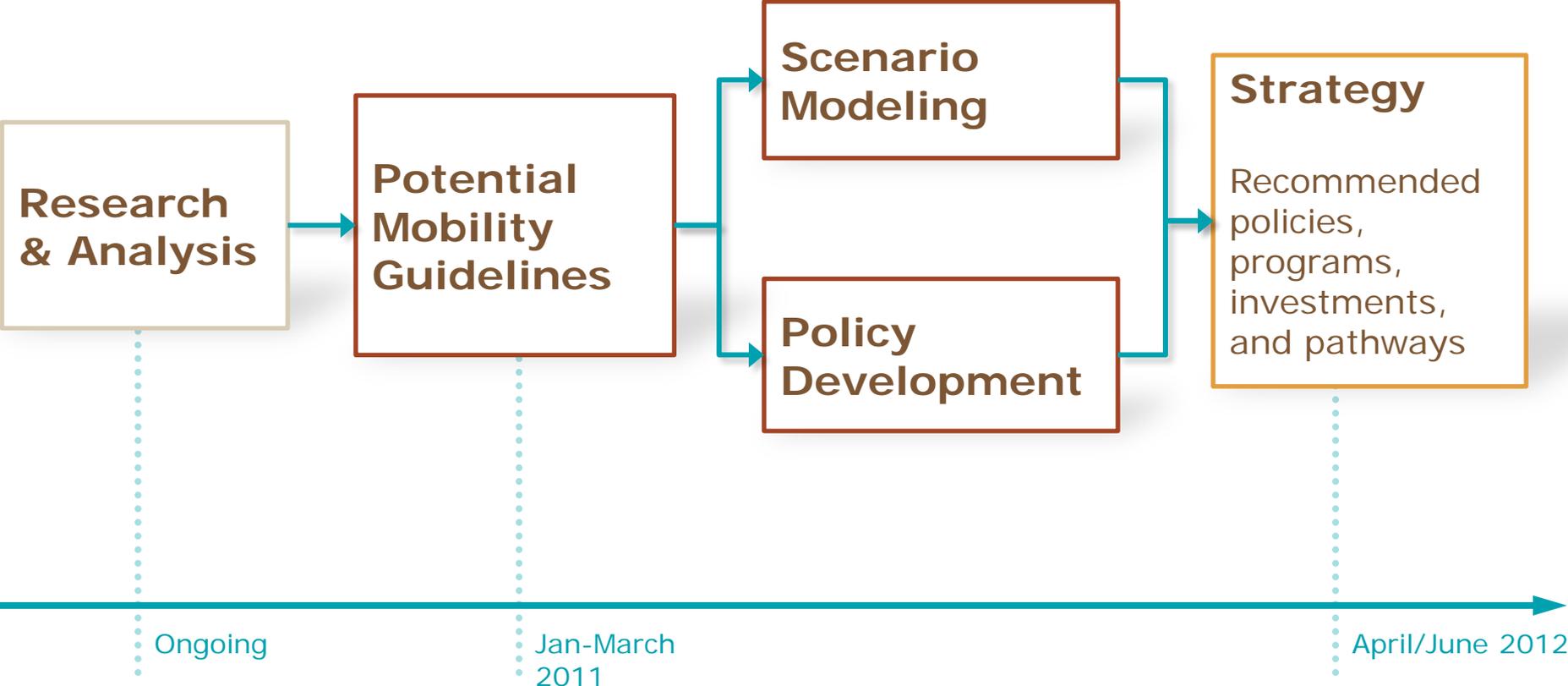
2. Next Steps



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Key Study Components



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Research & Analysis



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Completed

- Best Practices Research
- Stakeholder Group Meetings 1-4
- ULI Public Panel #1
- Regional Market Analysis
- HCT Corridor Analysis
- Transit Corridor Evaluation Report to Stakeholders



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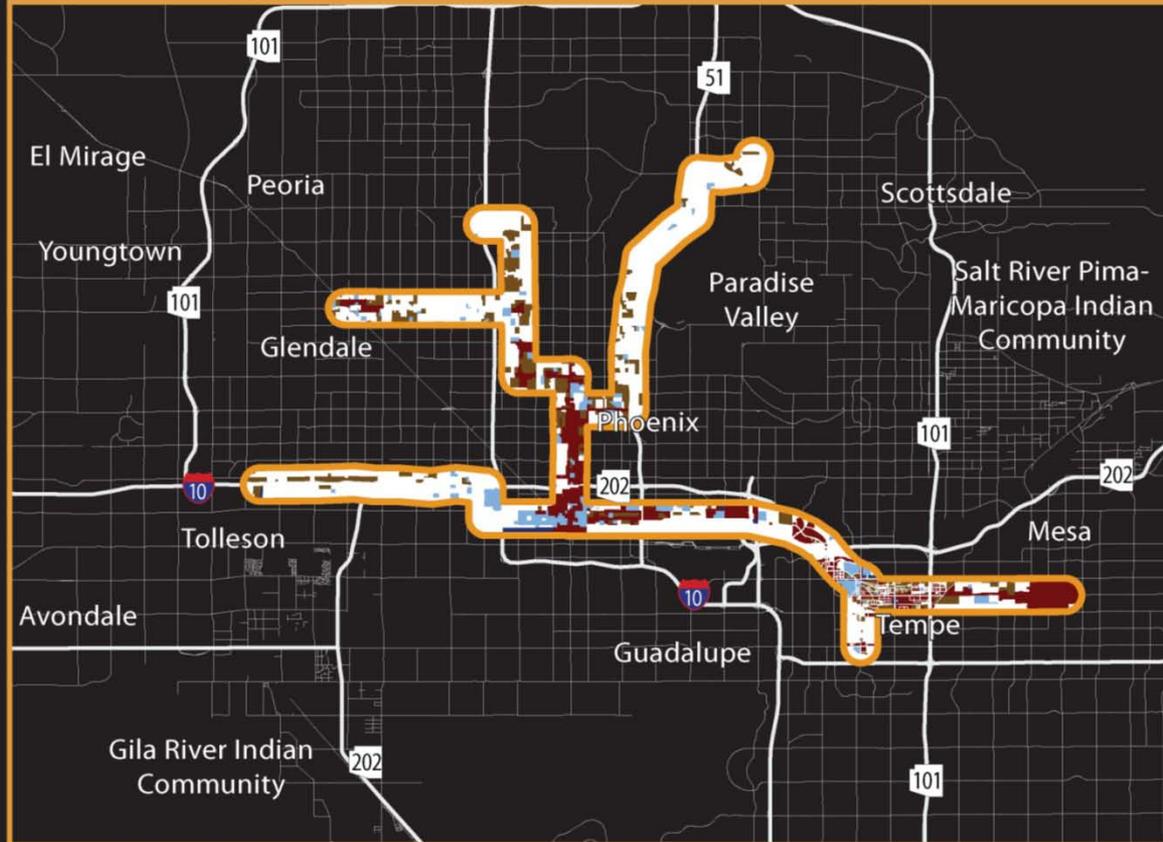


Figure 12

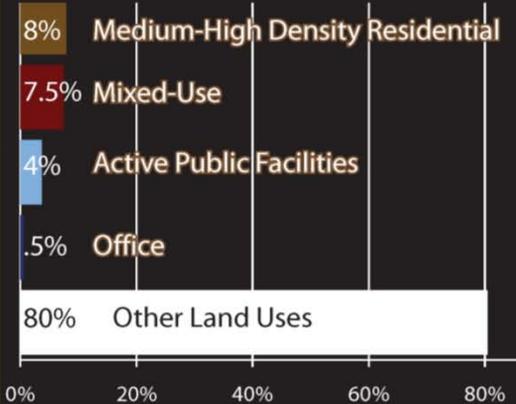
LAND USE AND TRANSIT COORDINATION

A comparison of RTP Transit Networks and transit-supportive land uses in current city general plans reveals varying levels of coordination.

2010 RTP Existing and Adopted HCT Corridors & 2009 General Plan Land Uses



Distribution of Land Uses Within 1/2 Mile of Adopted RTP HCT Corridors



Legend: General Plan Land Uses

Transit Supportive Land Uses

- Medium-High Density Residential¹
- Mixed-Use²
- Active Public Facilities³
- Office⁴
- Other Land Uses

Notes:

- ¹ 10 or more dwelling units per acre
- ² Locally designated
- ³ Health, education, special events, public services (MAG 2010 Land Use)
- ⁴ All office categories (MAG 2010 Land Use)



Market Research Findings: Growing Demand, Uneven Feasibility

- Changing demographics increase demand for TOD:
 - 19% of total households fall into categories with greater demand for access to HCT:
 - 310,000 households in 2010
 - 485,000 households in 2040



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Market Research Findings: Growing Demand, Uneven Feasibility

- Feasibility analysis reveals varying TOD market strength by location
 - **Strong:** wide range of product types feasible
Downtown Tempe, Downtown Scottsdale, parts of Downtown Phoenix
 - **Moderate:** only 2-3 story apartments feasible
Mid-Town Phoenix, Camelback Corridor, Chandler
 - **Limited:** limited current feasibility



Findings: Sustainable Transportation Scan

Eight factors for Sustainable Transportation Performance

- Neighborhood Street Network
- Housing and Employment Density
- Mixed-Use Neighborhoods
- Regional Accessibility (esp. job centrality & concentration)
- Frequent/Convenient Transit Service
- Demand Management/Incentives
- TOD (including mixed income housing)
- Demographics



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Findings: ULI Focus Group

- Infill obstacles: land assemblage, parking, overzoning in Phoenix, higher-risk than fringe development
- Interest in bus options: branding, productive routes, frequent and reliable service
- “We can plan all we want. The market will dictate where development goes.”
- “The region needs to take a hard look at rubber tire transit options.”
- “Four and five story infill development will work along bus rapid transit corridors just as well as it will work along light rail corridors.”



Observations based on Project Progress & Stakeholder Input

- Mobility solutions are needed throughout the region, but limited parts of the region can support TOD and HCT in the near term
- Sustainability depends on
 - productive investments; and
 - responsiveness to the needs of people and businesses
- Enthusiasm for transit orientation and investment in the region
- One size won't fit all
- Future federal funding levels are uncertain



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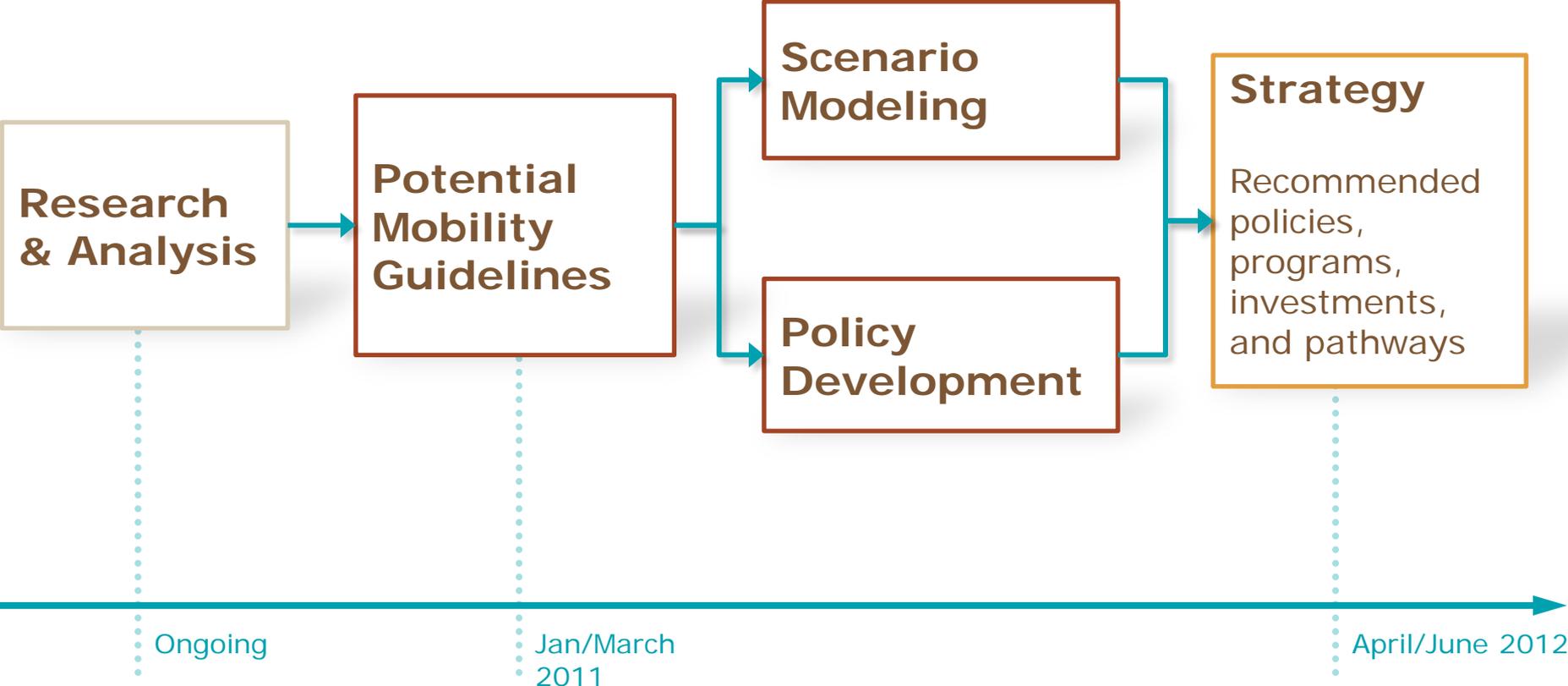
Key Study Components



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Key Study Components



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Key Study Components

Potential Mobility Guidelines

- Establish a frequent transit network
- Provide walk access to transit for X% of region's population
- Expand scheduled transit service to cover X% of the region's area
- Achieve transit productivity
- Provide HCT access to X% of region's jobs
- Increase transit's appeal
- Improve services for the transit dependent

Research
& Analysis

Ongoing

Strategy

Recommended policies, programs, investments, and pathways

April/June 2012

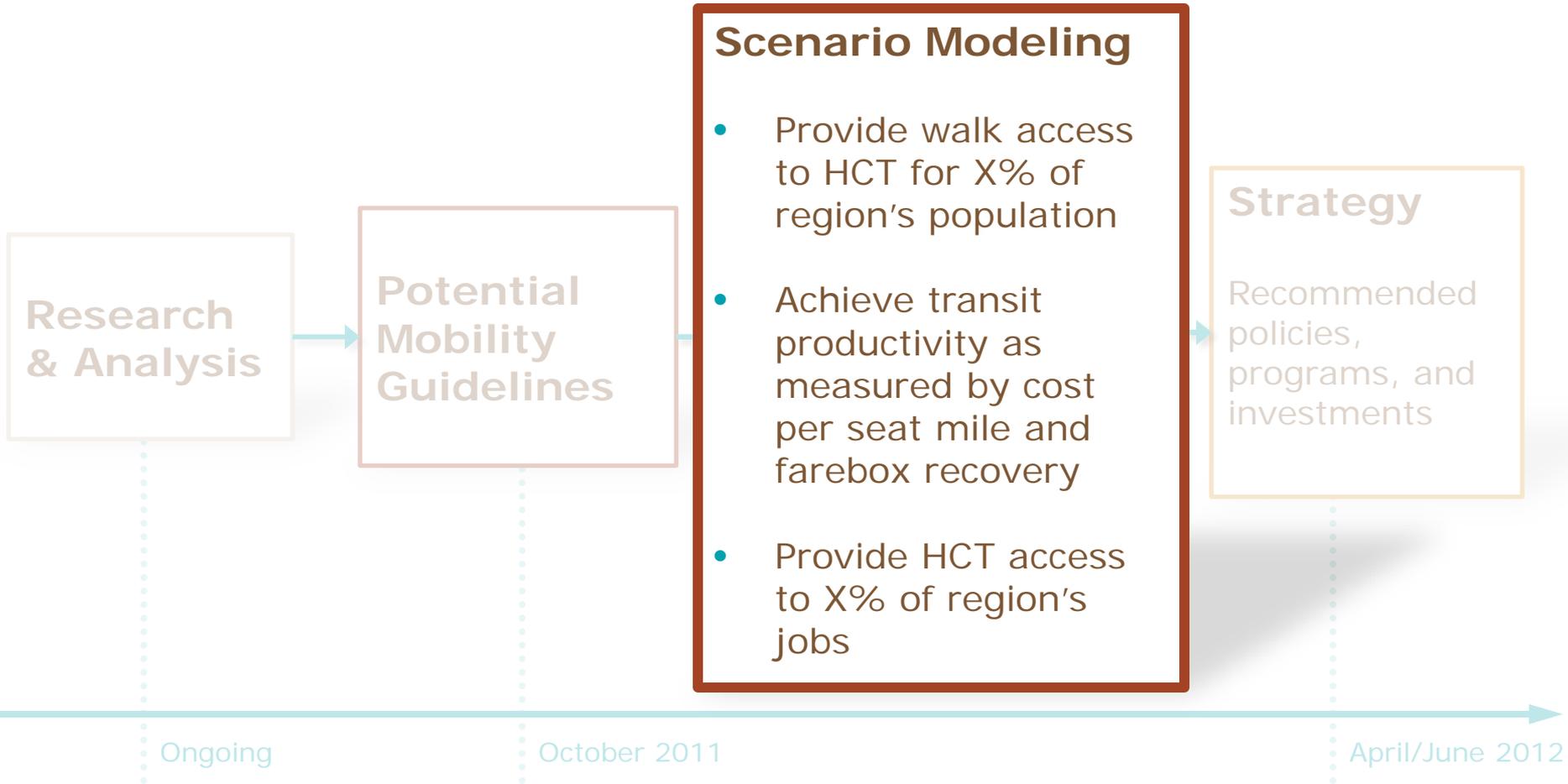


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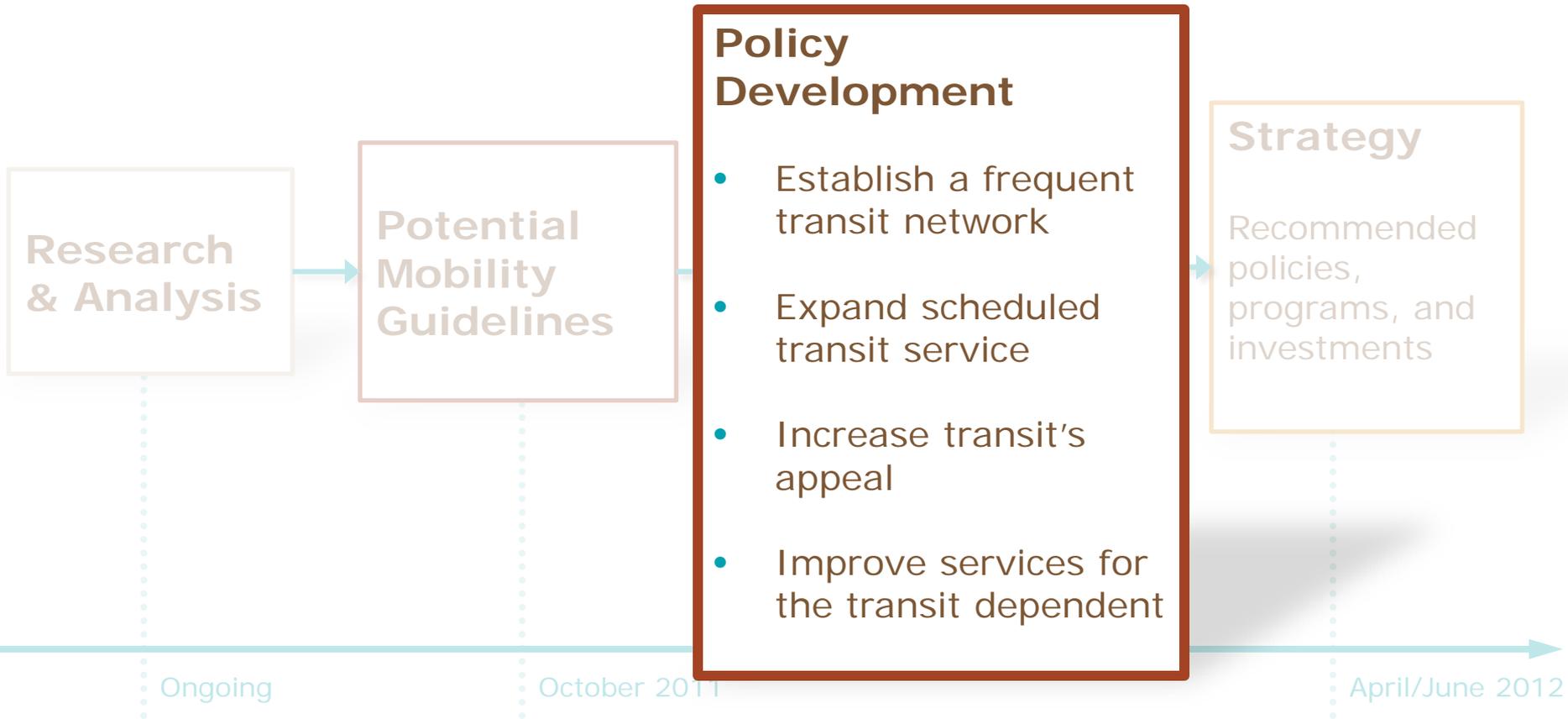


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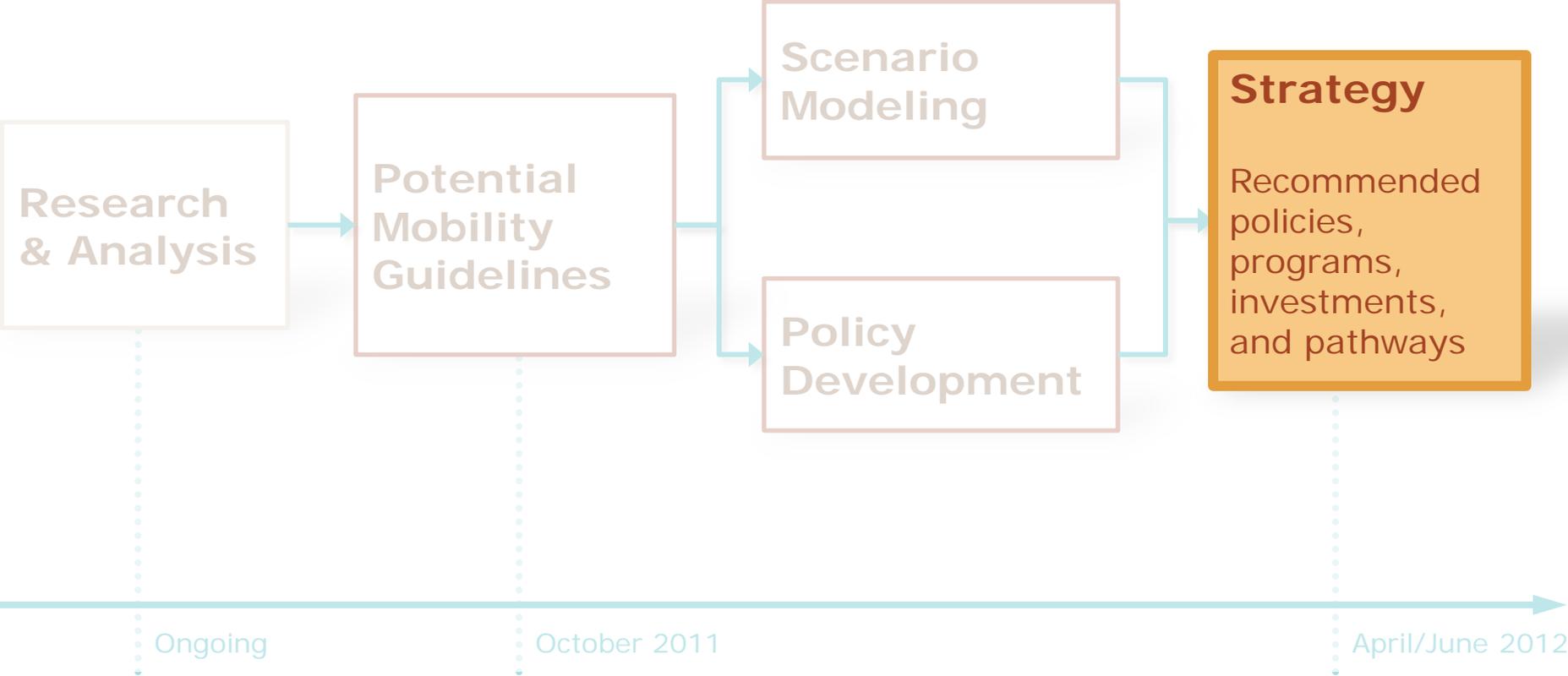
Key Study Components



Key Study Components

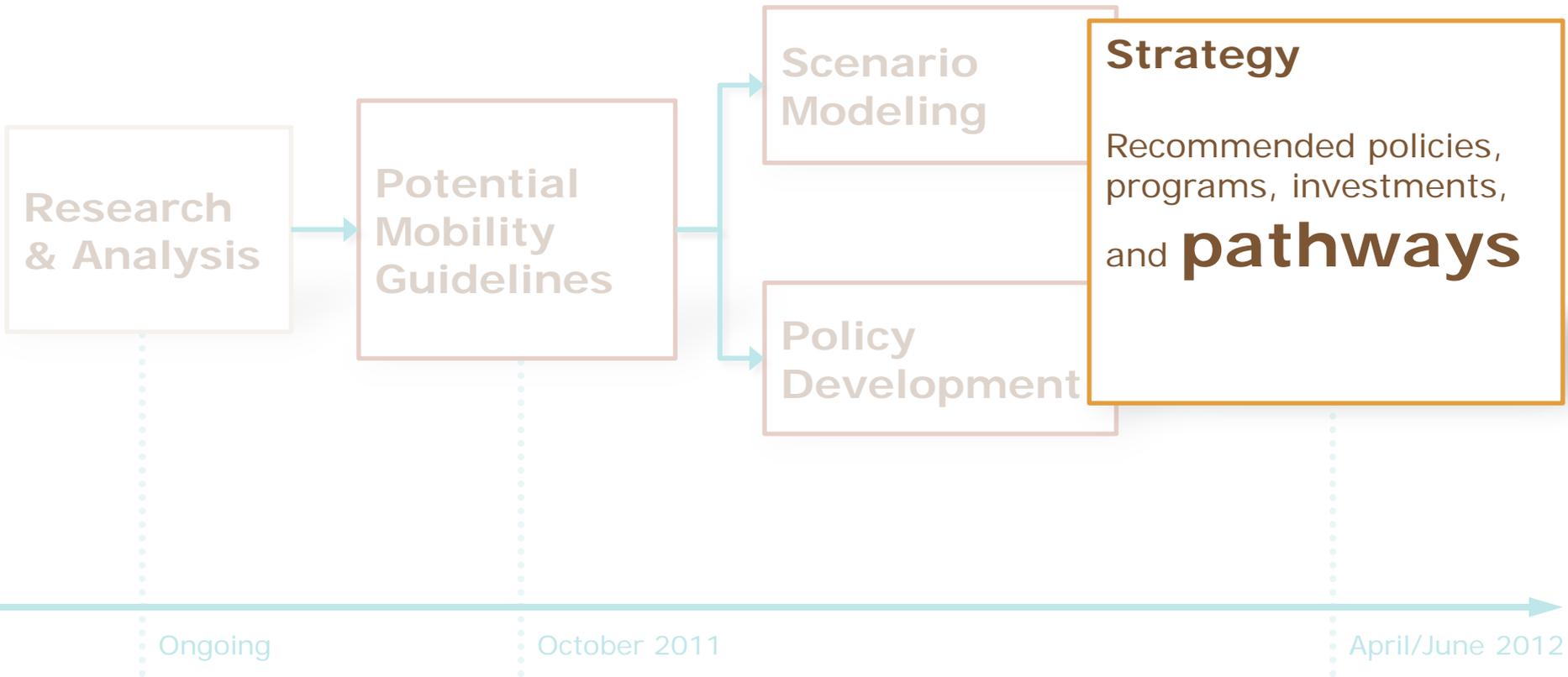


Next Steps: Key Components



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Pathways

Tools to enable **local selection** of objectives and strategies, and to **coordinate** progression of investments and services. Pathways address three aspects of land use + transportation integration

- **Cities:** Zoning regulations, pedestrian and bicycle improvements, station area design
- **Region:** Transit investments and services, multi-modal connectivity
- **Private Sector Response:** Development and revitalization consistent with transit-supportive standards



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Pathways

Define a **process** for evolution of transit investments and services based upon:

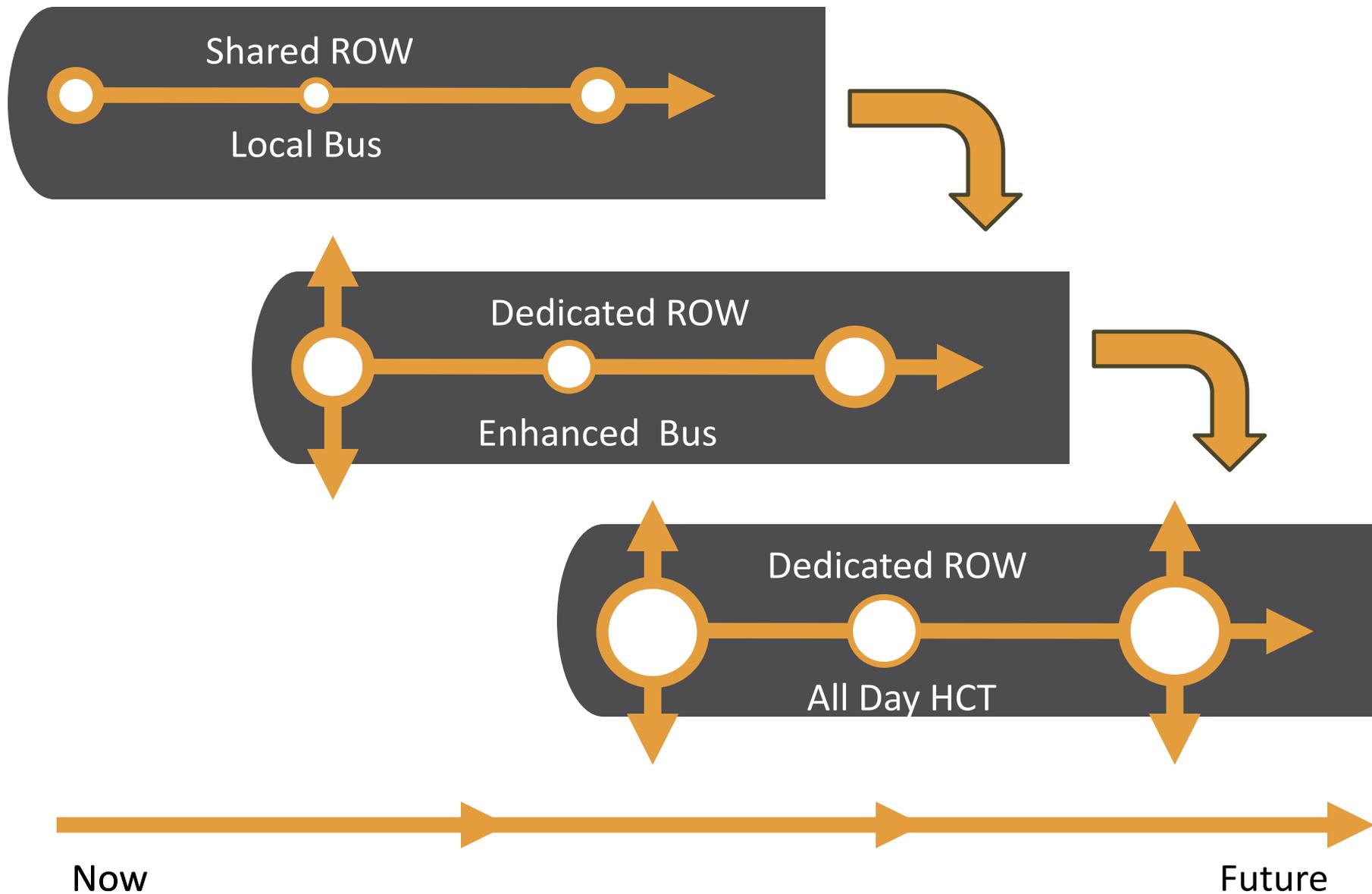
- **Community conditions:**
Land use, connectivity, and demographics near stops and stations and in wider community
- **Corridor transit performance and service characteristics**



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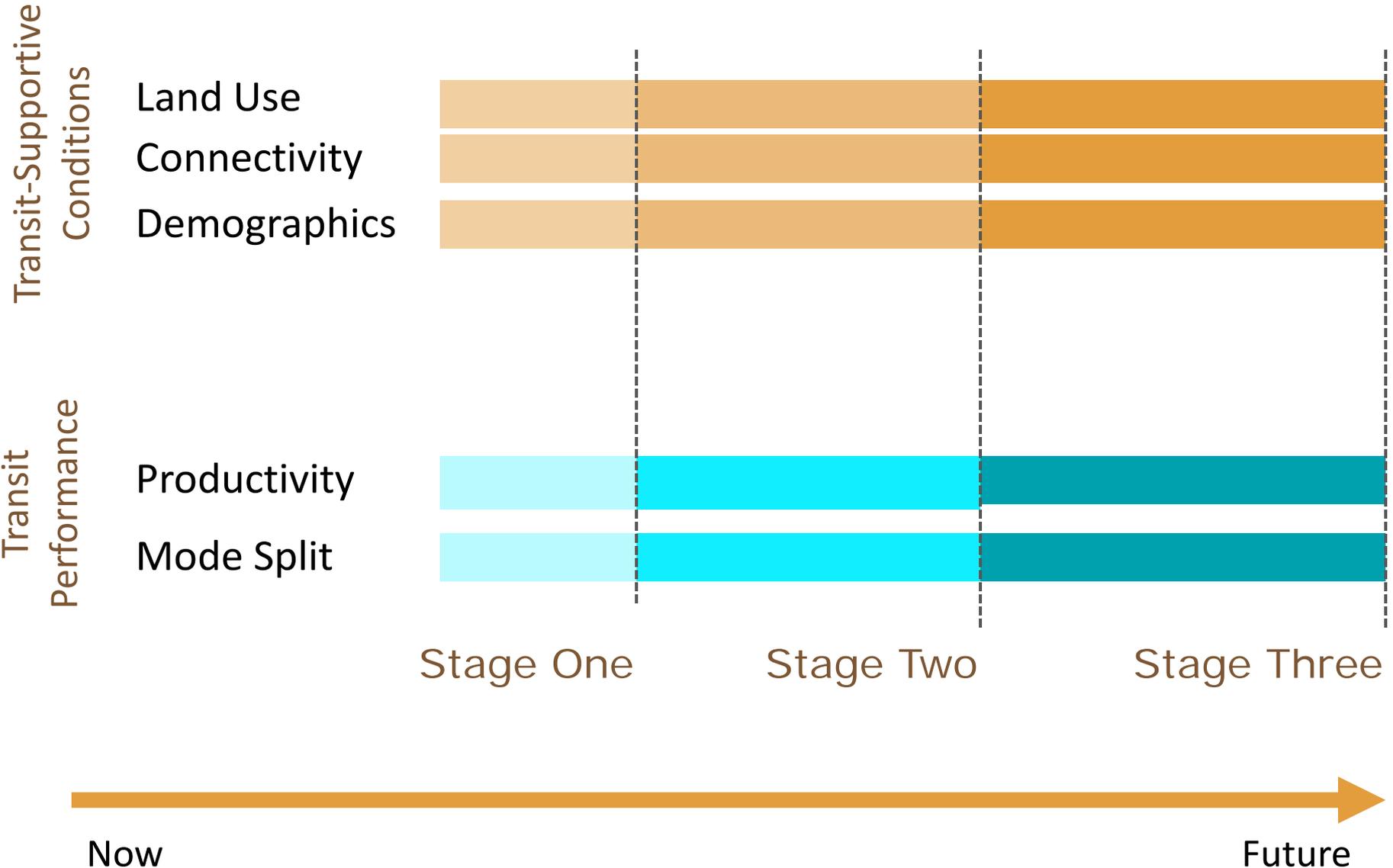


Pathways: Evolving Transit Services



Pathways: Change over Time

Corridor Performance



Next Steps



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What's Next?

- Mobility Guidelines
- Scenario Modeling and Reporting
- ULI Panel #2 (February 23, 2012)
- Stakeholders Meeting #5 (February or March 2012, date TBD)
- Study Documents:
 - ULI Panel #1 Summary
 - HCT Readiness Analysis
 - Market Reports
 - Working Paper #1



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Sustainable Transportation and Land Use Integration Study

STAKEHOLDERS GROUP MEETING # 1

When: February 10, 2011
Time: 2:00 pm
Where: Saguaro Room, MAG Office, 302 North 1st Avenue, Phoenix.

Public Meeting: [Agenda](#) | [Notes](#) | [Presentation](#)

STAKEHOLDERS GROUP MEETING # 2

When: March 28, 2011
Time: 1:30 pm
Where: Saguaro Room, MAG Office, 302 North 1st Avenue, Phoenix.

Public Meeting: [Agenda](#) | [Notes](#) | [Presentation](#)

STAKEHOLDERS GROUP MEETING # 3

When: May 12, 2011
Time: 1:30 pm
Where: Saguaro Room, MAG Office, 302 North 1st Avenue, Phoenix.

Public Meeting: [Agenda](#) | [Notes](#) | [Presentation](#)

- BQAZ Home Page
- Reconnaissance Study
- I-10 Hassayampa Valley Study
- I-8 and I-10 Hidden Valley Study
- MAG Regional Transit Framework Study
- MAG Central Phoenix Framework Study
- Hassayampa Framework Study for the Wickenburg Area
- Freight Transportation Framework Study
- Sustainable Transportation and Land Use Study
 - [Overview](#)
 - Stakeholders Group**
 - [Working Papers](#)
- Regional Framework Studies
- MAG Regional Transportation Plan
- MAG Commuter Rail System Studies
- PAG Regional Transportation Plan
- AZ Parkway
- Statewide Long Range Transportation Plan "What Moves You Arizona"