Development Forum #1
I-8 and I-10/ Hidden Valley Roadway Framework Study
June 7, 2006
Agenda

- Welcomes
- Project Team Introductions
- Study Background
  - Study Area
  - Study Organization
  - Study Purpose
  - Study Process/Schedule
- I-10/Hassayampa Valley Roadway Framework Study
- Opportunities/Constraints Discussion
  - Study Area Constraints
  - Study Area Opportunities
  - Project Issues
  - Community Concepts
- Next Steps
- Closing Remarks
- Adjourn
Study Area

I-8/I-10 Hidden Valley Roadway Framework Study

Legend
- Cities/Towns
- Unincorporated Communities
- Railroads
- Roads
- Highways
- Maricopa Phoenix Freeway System
- Proposed Freeways
- Interstates
- Existing Traffic Interchanges
- Paved Parks/Recreation Areas
- Canals
- Township/Range
- County Boundary
- Wilderness Area
- National Monuments
- Topography (100' contours)
- Prime Corridors
- Study Area Boundary

Municipal Planning Areas
- Avondale
- Buckeye
- Casa Grande
- El Mirage
- Goodyear
- Peoria

Land Ownership
- State
- Federal
- Indian Reservations
- Indian Communities
- Local or State Parks
- Military
- Private
- Private
Funding Partners

- Maricopa Association of Governments
- City of Goodyear
- City of Maricopa
- Town of Buckeye
- Arizona Department of Transportation
- Maricopa County Department of Transportation
- Pinal County
Study Review Team (SRT)

- Ak-Chin Indian Community
- Arizona Department of Transportation
- Arizona State Land Department
- Central Arizona Association of Governments
- City of Casa Grande
- City of Goodyear
- City of Eloy
- City of Maricopa
- Federal Highway Administration
- Flood Control District of Maricopa County
- Gila River Indian Community
- Maricopa Association of Governments
- Maricopa County Department of Transportation
- Pinal County
- Town of Buckeye
- Town of Gila Bend
- U.S. Air Force
- U.S. Bureau of Land Management
Development Community

- Large Property Owners
- Development Firms
- Homebuilders
- Real Estate Representatives
- Public and Private Asset Management Organizations
- Chambers of Commerce
- Economic Development Organizations
- Public and Private Utilities
- Railroads
- Municipal and County Planning and Community Development Agencies
Project Team Composition

- Maricopa Association of Governments (MAG)
  - Bob Hazlett, Project Manager; Ken Hall, Deputy Project Manager
- DMJM Harris
  - Prime consultant; transportation and community planning, traffic and civil engineering, environmental review and community involvement
- Wilson & Company (WCI)
  - Traffic engineering and planning support
- Lima & Associates
  - Travel demand modeling and planning support
- Partners for Strategic Action (PSA)
  - Community involvement, public outreach and project communications
- Curtis Lueck & Associates (CLA)
  - Funding and implementation
Study Purpose

- Key elements include:
  - Define both north-south and east-west high capacity corridors
  - Establish future principal arterial network
  - Establish access management strategies for high capacity corridors
  - Develop alternative funding and implementation strategies
  - Discuss the potential role of alternative modes
Study Process

- Research existing and future socio-economic conditions
- Research existing and planned urban growth patterns and infrastructure needs
- Formulate a comprehensive set of evaluation criteria to assess alternative Roadway Framework Scenarios
- Define range of potential future Roadway Framework Scenarios
- Use “critical flaw” analysis to screen alternatives (Tier 1)
- Perform detailed evaluation of up to three Roadway Framework Scenarios (Tiers 2 and 3)
- Select recommended Roadway Framework Scenario and refine
- Recommend phasing of roadway improvements
- Prepare implementation program and funding recommendation
Development and Evaluation of Alternatives

MODAL ELEMENTS

- Freeways
- Parkways
- Principal Arterials
- High Capacity Transit

Critical Flaw

Detailed Evaluation

Draft Transportation Network Recommendation

Three Network Alternatives

- Project Constraint Criteria
- Travel Demand Modeling Results
- Evaluation Criteria and Performance Measures
# Work Program and Timeline

## Months

<table>
<thead>
<tr>
<th>Months</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 1. Project Initiation
- Base Map
- Project Scope
- Communication/Coordination Framework
- Assistance Resources
- Goals & Objectives
- Analytics Methods
- QA/QC Plan

## 2. Public Involvement
(See table below)

## 3. Data Collection
- Revised Study Review/Coordination
- Agency Interviews
- Current & Future Service
- Environmental Data & Projections
- Environmental Inventory

## 4. Travel Demand Forecast Preparation
- 2006 Travel Demand
- 2036 Forecasting
- Implications of 2036 & Surface Transport Demand Estimates
- Future Needs & Alternatives
- TIRP Base Network Evaluation

## 5. Development of Transportation Network Alternatives
- Development of Proposed Scenarios
- High Level Analysis
- High Capacity Corridors
- Linkages to Extensions of Regional Metropolitan Freeway
- 15 Access Options
- Linkages to Adjacent Roadway Framework Areas
- Potential High Capacity Corridors

## 6. Preliminary Implementation Options
- Current and Available Funding Sources
- Super Regional Planning Authority Options
- Super Regional Implementation Authority Options

## 7. Draft Transportation Network Recommendation
- Define Key Projects
- Prioritize Projects
- Prepare Draft Capital Cost Estimates
- Engineering - Right-of-Way
- Construction
- Prepare Priority Implementation Program

## 8. Transportation Funding and Implementation Strategies
- Estimated Funding Shortfall (Recommended Networks)
- Funding & Implementation Opportunities & Constraints
- Alternative Funding Mechanisms
- Peer Review
- Alternative Super Regional Planning & Implementation Mechanisms

## 9. Final Network Recommendation
- Input from Funding & Implementation Plan
- Transportation Network Plan Refinements
- Cost Estimate Refinements
- Implementation Program Refinements

## Interim and Final Work Products
- Working Papers (WP)
- WP Plan
- WP: Existing and Future Conditions
- WP: Travel Demand Forecast Development
- WP: Transportation Network Alternatives
- WP: Evaluation of Alternatives
- WP: Draft Transportation Network Recommendation
- WP: Final Network Recommendation

## Public Involvement

### Study Review Team & Hotline Group
- Meetings every one to two months throughout the study

### Agency Interview
-

### Stakeholder Interview
- X

### Elected Official Briefings
- Issue 1

### Newsletters
- Issue 2

### MUG Website, Stakeholder Database, Comment Database
- Issue 3

### Will be updated frequently as needed throughout the study

---

**Notes:**

- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
Project Work Products

- Working Paper #1: Project Management Plan (complete)
- Working Paper #2: Public Involvement Plan (complete)
- Working Paper #3: Existing and Future Conditions
- Working Paper #4: Travel Demand Forecast Development
- Working Paper #5: Transportation Network Alternatives
- Working Paper #7: Draft Transportation Network Recommendation
- Working Paper #8: Funding Implementation Strategies
- Draft Final Report
- Final Report with Executive Summary (poster-map format)
Community Involvement Program

- Development Forums (two)
- Stakeholder/Community Database
- Key Stakeholder Interviews
- Community Workshops (two rounds)
- Elected Official Briefings (two rounds)
- Newsletters (four issues)
- Continuously Updated Page on BQAZ Website
Challenging Study Issues

- Anticipated major population and employment growth in study area, more than 800% in Pinal County
- Comprehensive major roadway framework is needed to preserve critical right-of-way
- Ideal timing to coordinate with other recently completed or ongoing visioning, community planning and transportation planning efforts
Challenging Study Issues

- Topographic barriers make identification of high capacity corridors especially challenging.
- Much of the study area owned by major land management agencies (e.g., ASLD, BLM).
- Large number of jurisdictions, Indian Communities, and stakeholders involved in study.
- Funding resources clearly not in place to make required implementation investments.
- Development community is interested and can be a partner in achieving expeditious study implementation.
Transportation-Related Studies Underway

1-8/I-10 Hidden Valley Roadway Framework Study

Current Transportation Planning Projects

Legend:
- ADOT Phoenix-Tucson I-10 Bypass Project
- ADOT I-18/1-10 Corridor Study
- ADOT I-10/Wandering Study
- GPD Concept Report (OCR) and Environmental Study
- SR 230 to I-10
- ADOT I-10 Corridor Study
- DCA and Environmental Assessment (EA) Junction I-8
- I-10 to Tempe Road
- ADOT SR 85/14 DCA and EA
- ADOT South Mountain Freeway Corridor Study
- FCD MCC/CDOT Historic Gillespie Dam Bridge Rehabilitation
- UPRR Study for Diversions
- Casa Grande South Area Transportation Study (SATS)
- Casa Grande Montgomery Road Toll Road Feasibility Study
- Coolidge-Phoenix Regional Transportation Study
- Rio SATS
- Maricopa Regional Transportation Network Plan
- Maricopa-Monterey-Casa Grande Highway Project Assessment
- Maricopa State Route 347/Four Mile Wash Feasibility Study
- SR 159/I-10 Extension/Valleymont Road Framework Study
- MAP 400
- Strategic Plan
- PID Curved Projects
- ADOT I-10 Phoenix Regional Transportation Profile
- Pinal County Regional
- Pinal County Signage
- Pinal County Comprehensive Plan Update

Projects:
- State of Arizona Railroad Inventory & Assessment
- Building Smart Arizona Statewide Transit Systems Mobility Study
- ADOT Transportation Management Plan
- ADOT Phoenix-Tucson High-Speed Rail Study

DRAFT
I-10/Hassayampa Valley Roadway Framework Study

- Extensive Public Outreach:
  - Development Forums
  - Funders Team
  - Study Review Team
  - Over 120 Stakeholder Meetings
- Three-tiered Evaluation Process
- Study Recommendations:
  - Freeway Corridors
  - Parkway Corridors
  - Principal Arterials
  - Primary Access Management Strategies
Next Steps

- Stakeholder interviews with State agencies, Indian Communities, municipalities and development community
- Research all past and current community and transportation-related planning efforts
- Develop transportation model to evaluate alternative Roadway Framework Scenarios
- Initiate definition of Roadway Framework Scenarios
- Research current study area transportation-facility funding strategies, and define a universe of funding options
A visionary framework for future transportation facilities and connections

**Corridor locations are conceptual and subject to refinement**

Appropriate future planning, engineering, and environmental studies will set specific alignments:
- Regional Transportation Plan
- Municipal General Plans
- Corridor Location Studies
- Design Concept Reports (DCRs)
- State and National Environmental Studies

Recommendations are not publicly-funded, but intended to establish the basis for future public and private investments and partnerships.
Please contact:

Bob Hazlett, P.E.
Project Manager
Maricopa Association of Governments
(602) 254-6300
hiddenvalley@mag.maricopa.gov