Agenda

• Study Overview
  – Study Process
  – Goals & Objectives
  – Socioeconomic Growth Forecasts

• Transportation Master Plan Overview
  – Roadway Deficiencies/Improvement Program
  – Complete Streets
  – Transit
  – ITS Planning

• Regional Connectivity Plan Overview

• Summary of Study Outreach

• Next Steps
Study Overview - Process

- Study completed in two Phases and consists of three key components:
  - Transportation Master Plan (Phase 1)
  - Regional Connectivity Plan (Phase 1)
  - Plan Implementation Support (Phase 2)
Study Overview - Transportation Master Plan Goals & Objectives

• Examine transportation infrastructure relative to multimodal needs planning
• Develop clear standards for developers that support all modes of travel
• Establish priorities for the TIP
• Inform Circulation Element of General Plan update
• Provide input to MAG’s NexGen RTP
Study Overview - Regional Connectivity Plan Goals & Objectives

- Update transportation planning framework to support City development patterns and those of surrounding communities
- Examine roadway network to assure functions match community growth and needed regional connections
- Plan for multimodal connections to surrounding communities
- Provide long-term guidance on right-of-way requirements for regional facilities
### Study Overview – Vision & Goals

- **Maricopa 2040 Vision**

<table>
<thead>
<tr>
<th>CIRCULATION GOAL</th>
<th>STRATEGIES</th>
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</table>
| **Goal 1: Provide greater, more efficient mobility through multimodal transportation to and from Maricopa.** | 1A: Explore greater connectivity with the Phoenix metro area with the expansion of one or more express bus routes to Maricopa.  
1B: Expand Park and Ride opportunities within the City  
1C: Expand the current use of buses, shuttles, or even a trolley within the City to key locations and population centers.  
1D: Explore addition of high-speed trains, light rail, and other modes for connecting to the Phoenix Metro area.  
1E: Create a mobility corridor to and through the downtown area for future light rail connection to Phoenix.  
1F: Foster strategic regional transportation partnerships (AMTRAK, Gila River Indian Community, Pinal County, etc.), including joining Valley Metro RPTA and Sun Corridor MPO.  
1G: Explore the potential benefits, financial viability and realistic means necessary to establish a partnership and/or operate a regional airport within the Maricopa planning area. |

Rationale: Improved mobility opportunities foster greater economic development through a more efficient and economical workforce for both itself and its neighbors through mass transit.
Study Overview – Vision & Goals

• Maricopa 2040 Vision

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<tr>
<th>CIRCULATION GOAL</th>
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<tbody>
<tr>
<td>Goal 2: Create an adequate intra-city road network.</td>
<td>2A: Complete the City Regional Transportation Master Plan and fully implement on arterial roadways.</td>
</tr>
<tr>
<td>Rationale: As outer regions of the City develop, an adequate road network is</td>
<td>2B: Establish truck routes through the City and near adjacent farms.</td>
</tr>
<tr>
<td>necessary to relieve future congestion and foster future growth.</td>
<td>2C: Complete the SR-347 at UPRR Grade Separation/ Overpass.</td>
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<td></td>
<td>2D: Accept control of all roadways within Maricopa currently under the jurisdiction of other agencies (SR-347, SR-238, etc.).</td>
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<tr>
<td></td>
<td>2E: Foster strategic partnerships with immediate neighbors (Ak-Chin Indian Community, Gila River Indian Community, Casa Grande, etc.).</td>
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<td></td>
<td>2F: Integrate monitoring and traffic flow control infrastructure to all signalized arterial intersections.</td>
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Study Overview – Vision & Goals

• Maricopa 2040 Vision

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| Goal 3: Create transportation connectivity with other cities and regions. | 3A: Explore additional north/south travel routes in addition to SR-347.  
3B: Plan and build high capacity east/west regional travel routes.  
3C: Foster strategic regional partnerships beyond Pinal County. |
| Rationale: As outer regions of the City develop, an adequate road network is necessary to relieve future congestion and foster future growth. | |
| Rationale: As outer regions of the City develop, an adequate road network is necessary to relieve future congestion and foster future growth. | |
## Study Overview – Vision & Goals

- **Maricopa 2040 Vision**

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<tr>
<td>Goal 4: Create safe and functional pedestrian ways and bicycle routes throughout the City of Maricopa.</td>
<td>4A: Develop bike lanes on all possible arterial roadways and reasonable connections reaching all shopping and population centers within the City.</td>
</tr>
<tr>
<td>Rationale: Movement within the City fosters individual health of citizens, builds community, relieves congestion, and increases local economic activities.</td>
<td>4B: Establish and maintain a citywide trails and pedestrian plan.</td>
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<tr>
<td></td>
<td>4C: Increase handicapped accessibility.</td>
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<tr>
<td></td>
<td>4D: Develop pedestrian trails and bikeways connecting all parks, greenways, and commercial areas within the City.</td>
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Study Overview - Growth Forecasts

Maricopa MPA Population Growth

Maricopa MPA Employment Growth

Maricopa MPA Housing ( Dwelling Units) Growth

Average Dwelling Unit Construction Rate

Maricopa MPA Job/Person Ratio
Study Overview - Key TMP Study Products

1. Transportation System Goals, Objectives, and Policies
2. Streets Element to inform General Plan
3. Complete Streets Element
4. Paths and Trails Element
5. Transit Element
6. ITS Element
7. Implementation Program
TMP Overview - Roadway Deficiencies/Potential Network Upgrades through Year 2040

- Roadway Widenings
- Roadway Extensions
- Roadway Paving
Recommended Network Improvements | Mitigation Strategy
---|---
SR-347, Cobblestone Farm Dr (south) to Cobblestone Farm Drive (north)/Lakeview Dr | Widen to provide 3 lanes in northbound direction (6 lanes total)
Intersection of SR-347 and Smith-Enke Rd | Upgrade the intersection at SR-347/Smith-Enke Rd
SR-347, Edison Rd. to Lakeview Dr. | Conduct Corridor Study to determine the feasibility of upgrading to a 6-lane Urban Arizona Parkway
SR-347, Lakeview Dr. to I-10 | Conduct Corridor Study to determine the feasibility of upgrading to a 6-lane Arizona Parkway with associated improvements at Riggs Rd, Old Maricopa Rd, and I-10 Traffic Interchange
Multiple roadway paving projects | Upgrade all unpaved roads forecast to carry 500 vehicles per day or more in Year 2020
<table>
<thead>
<tr>
<th>Recommended Network Improvements</th>
<th>Mitigation Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honeycutt Road, White &amp; Parker Road to Hartman Road</td>
<td>Widen to 4-lane Arterial</td>
</tr>
<tr>
<td>SR-347, Lakeview Dr. to I-10</td>
<td>Implement capacity improvements/upgrades as determined by Corridor Study</td>
</tr>
<tr>
<td>SR-347, Edison Rd. to Lakeview Dr.</td>
<td>Implement capacity improvements/upgrades as determined by Corridor Study</td>
</tr>
<tr>
<td>White &amp; Parker Road, Maricopa-Casa Grande Highway to Smith-Enke Road</td>
<td>Widen to 2 lanes with a center turn lane including intersection improvements</td>
</tr>
<tr>
<td>White &amp; Parker Road, Steen Road to Maricopa-Casa Grande Highway</td>
<td>Widen to 4-lane Collector with improved at-grade railroad crossing</td>
</tr>
<tr>
<td>Anderson Road, Steen Road to ~½ mile south</td>
<td>Pave roadway connection</td>
</tr>
<tr>
<td>Bowlin Road, White &amp; Parker to Anthony Boulevard</td>
<td>Construct 4-lane Arterial with all-weather crossing of Santa Cruz Wash</td>
</tr>
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## TMP Overview – Year 2040 Improvement Program

<table>
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<th>Recommended Network Improvements</th>
<th>Mitigation Strategy</th>
</tr>
</thead>
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<tr>
<td>Maricopa-Casa Grande Highway, White &amp; Parker Road to Russell Road</td>
<td>Reconstruct as a 4-lane AZ Parkway</td>
</tr>
<tr>
<td>Maricopa-Casa Grande Highway, Plainview Street Extension to White &amp; Parker Road</td>
<td>Widen to 4-lane Arterial</td>
</tr>
<tr>
<td>Porter Road, Santa Rosa Drive to Farrell Road</td>
<td>Widen to 4-lane Collector with all-weather crossing of Santa Rosa Wash</td>
</tr>
<tr>
<td>SR-238, Ralston Road to SR-347</td>
<td>Widen to 4-lane Arterial</td>
</tr>
<tr>
<td>Papago Road, White Road to SR-347</td>
<td>Widen to 2 lanes with a center turn lane</td>
</tr>
</tbody>
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TMP Overview - 2040 Alternative Network Results

- Grade Separation at White & Parker with connectivity to Farrell Road alignment
- Extension of East-West Corridor west of MCGH as a 4-lane parkway
- Grade separation implementation timing to be determined in the future
TMP Overview – Complete Streets Cross-sections
TMP Overview – Complete Streets Cross-sections

2008 RTP Principal Arterial Section

Proposed Principal Arterial Section (Single Left Turn)
TMP Overview – Complete Streets Cross-sections

2008 RTP Principal Arterial Section

Proposed Principal Arterial Section (Double Left Turn)
TMP Overview – Complete Streets Cross-sections
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TMP Overview – Complete Streets Cross-sections
TMP Overview
Transit Priorities - 2020

Enhance Existing COMET service
- Demand Response
- Shuttles
- Limited Fixed Route

Continue to support Valley Metro vanpool services to/from Phoenix Metro Area and develop connections to Pinal County area employment centers
TMP Overview
Transit Priorities - 2030

Implement Express Route Services to Connect to Valley Metro Transit System

Expand Local Fixed Route Service and Implement Daily Service
TMP Overview
Transit Priorities - 2040

- Expand Express Route Service
- Expand Local Fixed Route Service
- Implement Supplemental Circulator Service to Park-and-Ride/Transit Center
TMP Overview
ITS - Vision

• City of Maricopa’s ITS System would monitor and optimize traffic flow on arterial streets by:
  – Coordinating traffic signals
  – Providing real time verification of intersections via CCTV
  – Adapting signal timing to changing conditions through a central signal system
  – Improving incident response by police and emergency management
  – Providing a fiber optic network that can be utilized by other City departments to enhance services to the residents of Maricopa
TMP Overview
ITS Priority Implementation Concepts
(5-year horizon)

- Microwave Link to ADOT Tucson Traffic Operations
- Traffic Management Center
- Central Signal System
- Fiber backbone opportunities
  - Traffic signal/CCTV connectivity
  - Inter-department connectivity
- Local control of SR-347 Signals
RCP Overview
Buildout Network Modeling
RCP Overview
Buildout Socioeconomic Inputs

Socioeconomic Comparison for Hidden Valley Study Area

- Population: Maricopa ATP 2,800,000, Hidden Valley Framework 2,500,000
- Employment: Maricopa ATP 1,050,000, Hidden Valley Framework 1,100,000
Buildout Network Cutline Analysis

• Potential Modifications to Hidden Valley Framework Study
  – Meadowview Parkway west of SR-347
  – Connelley Parkway parallel to and south of I-8
  – Ralston Parkway south of future Hassayampa Freeway

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<tr>
<th>Facility Type</th>
<th>RCP Model Network</th>
<th>Hidden Valley Framework Network</th>
</tr>
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<tbody>
<tr>
<td>Freeway</td>
<td>32 miles</td>
<td>32 miles</td>
</tr>
<tr>
<td>Parkway</td>
<td>60 miles</td>
<td>70 miles</td>
</tr>
<tr>
<td>Arterial</td>
<td>236 miles</td>
<td>226 miles</td>
</tr>
</tbody>
</table>
RCP Overview
Development of Circulation Plan
Study Outreach

- 47 Total Meetings
- 18 Project Management Team Meetings
- 4 Technical Advisory Group Meetings
- 6 Transportation Advisory Committee Meetings
- 3 Public Open Houses
- 4 City Council Meetings
- 2 Developer Forums
- 12 Individual Stakeholder Meetings (ADOT, MAG, Ak-Chin, Gila River, Casa Grande, SCMPO, Developer)
Next Steps
Model-Related

• Finalize Buildout Modeling for RCP
• Update Performance Evaluation
• Finalize RCP Circulation Plan
Next Steps
Document Review

• Revised Draft Final TMP to City (July 13\textsuperscript{th})
• Revised Draft Final TMP to TAG (July 17\textsuperscript{th})
• TAG Review Comments to City (July 31\textsuperscript{st})
• WCI to Summarize TAG Review/ Developer Forum/ Public Open House Comments to Council on August 4\textsuperscript{th}
• WCI to define Council review/approval process and schedule
Next Steps Outreach

- Technical Advisory Committee (July 22nd)
- Public Open House/City Council Work Session (August 4th)
- MAG RCP coordination/review (TBD)
- Pinal County/SCMPO RCP coordination/review (TBD)
Contact Information

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