Corridor Optimization, Access Management Plan, And System Study

us-60compass.azmag.gov

Final Recommendations on the US-60/ Grand Avenue COMPASS Project

Regional Council
January 27, 2016

51st Ave and Bethany Home Rd

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Vision Statement and Guiding Principles

- Preserve and promote **transportation capacity**;
- Integrate **multimodal transportation**;
- Support **economic growth**;
- Advance **safety and security**;
- Establish a **unified and coordinated approach to land-use access**;
- Promote a **transit-supportive development pattern**;
- Encourage **coordinated aesthetics**;
- Connect **communities in a cost effective manner**.

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Four Alternatives

There's No Place Like Grand.

Continue with planned improvements from **Regional Transportation Plan**.

Reconsider the US-60/**Grand Avenue Expressway** Option.

Plan for **Commuter Rail with operational improvements**.

Identify **Other High Capacity Transit Options** with US-60 enhancements.

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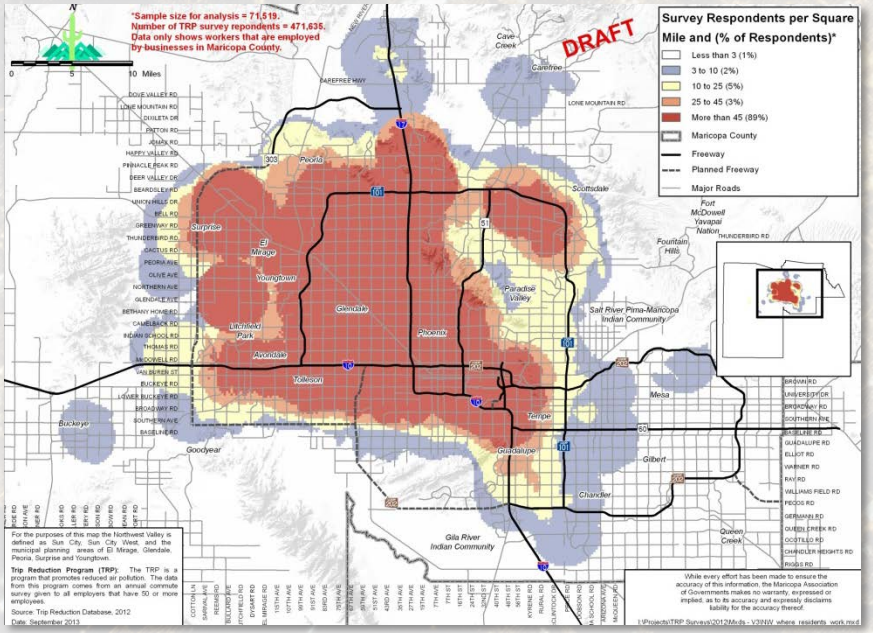
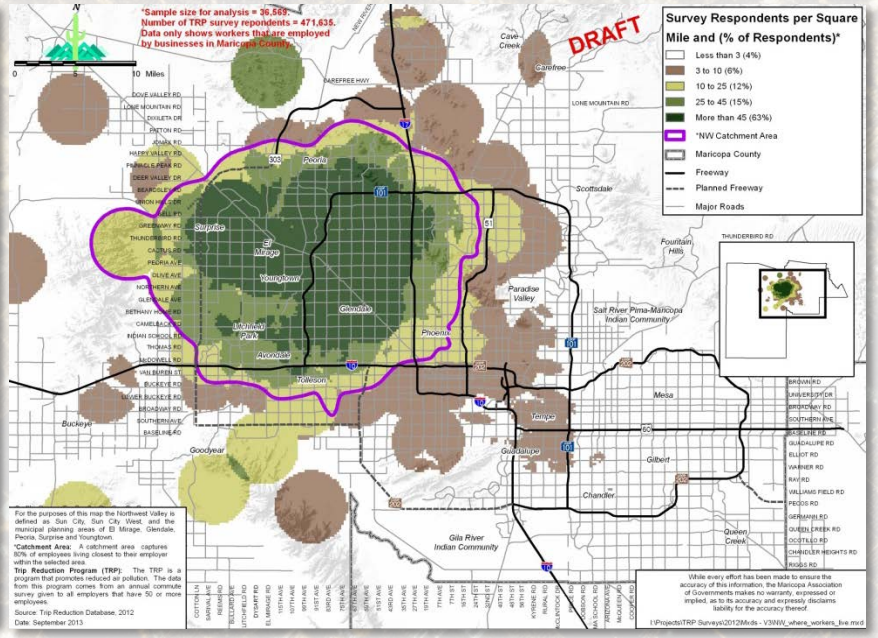
Northwest Valley Work Trip Patterns

Where Residents Work



Where Workers Live



Source: Trip Reduction Program, Annual Commute Survey, 2012 Database.

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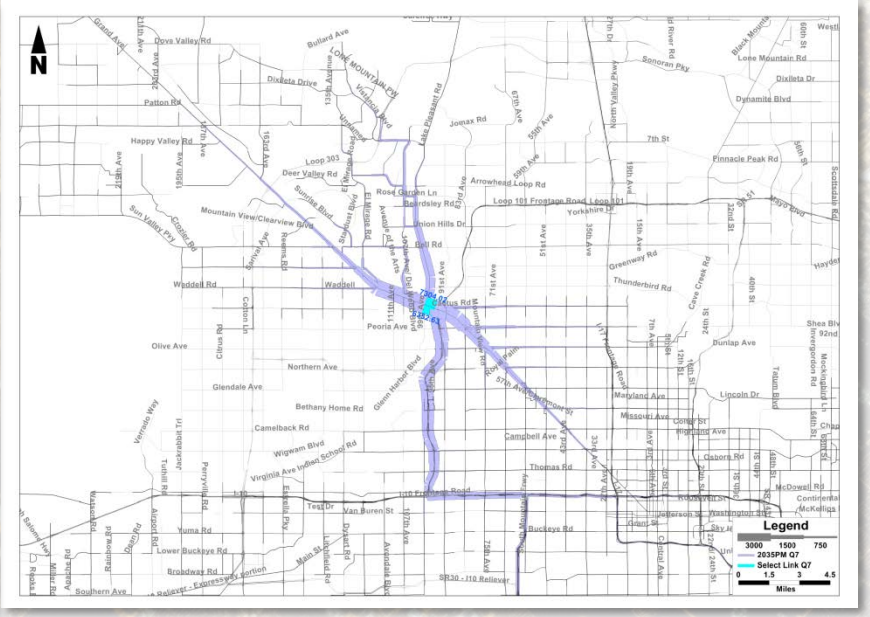
East of 99th Ave Select Link Results

2011

2035



Source: MAG Travel Demand Model Estimates, Socio-economic Data adopted June 2013.

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Alternatives Screening

	Red	Purple	Blue	Green
Travel Demand • Accommodate future travel?	✖	⊙	⊙	⊙
Safety and Accessibility • Minimizes conflict points and enhances adjacent property access?	○	○	⊙	⊙
Economic Opportunity • Provide redevelopment opportunities?	✖	✖	○	⊙
Investment Needs • Does the concept require a significant revenues for implementation?	⊙	✖	○	✖
Corridor Vision • Meet the planning goals espoused by the corridor communities?	✖	✖	⊙	✖

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Four Alternatives

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Reco[illegible] the US[illegible] **A[illegible]e Expressway** Option.

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Iden er **Hi y T t Op s** with US-60 enhancements.

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COMPASS Framework

There's No Place Like Grand.

Continue with planned improvements from **Regional Transportation Plan**.

Establish a corridor-wide **Access Management System**.

Address remaining **bottlenecks** and **congestion points**.

Plan for **Commuter Rail with operational improvements**.

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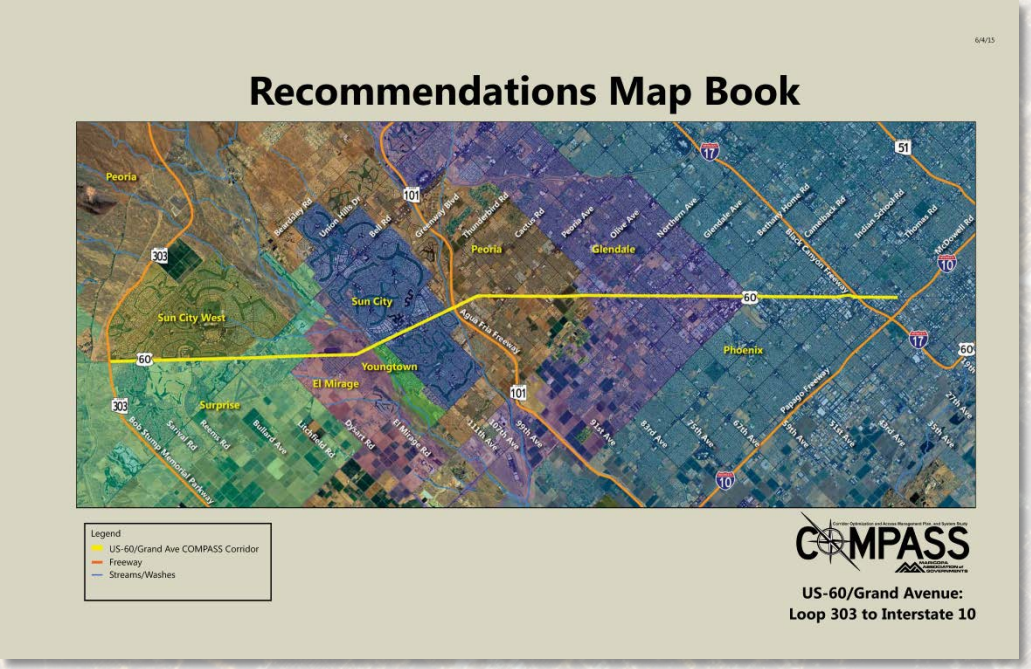
What is Corridor Optimization?

- Maintain private property access.
- New overcrossings of BNSF Railway.
- "Cleans Up" existing geometries.
- Reduces need for traffic signals.



PLANNING FOR OPERATIONS

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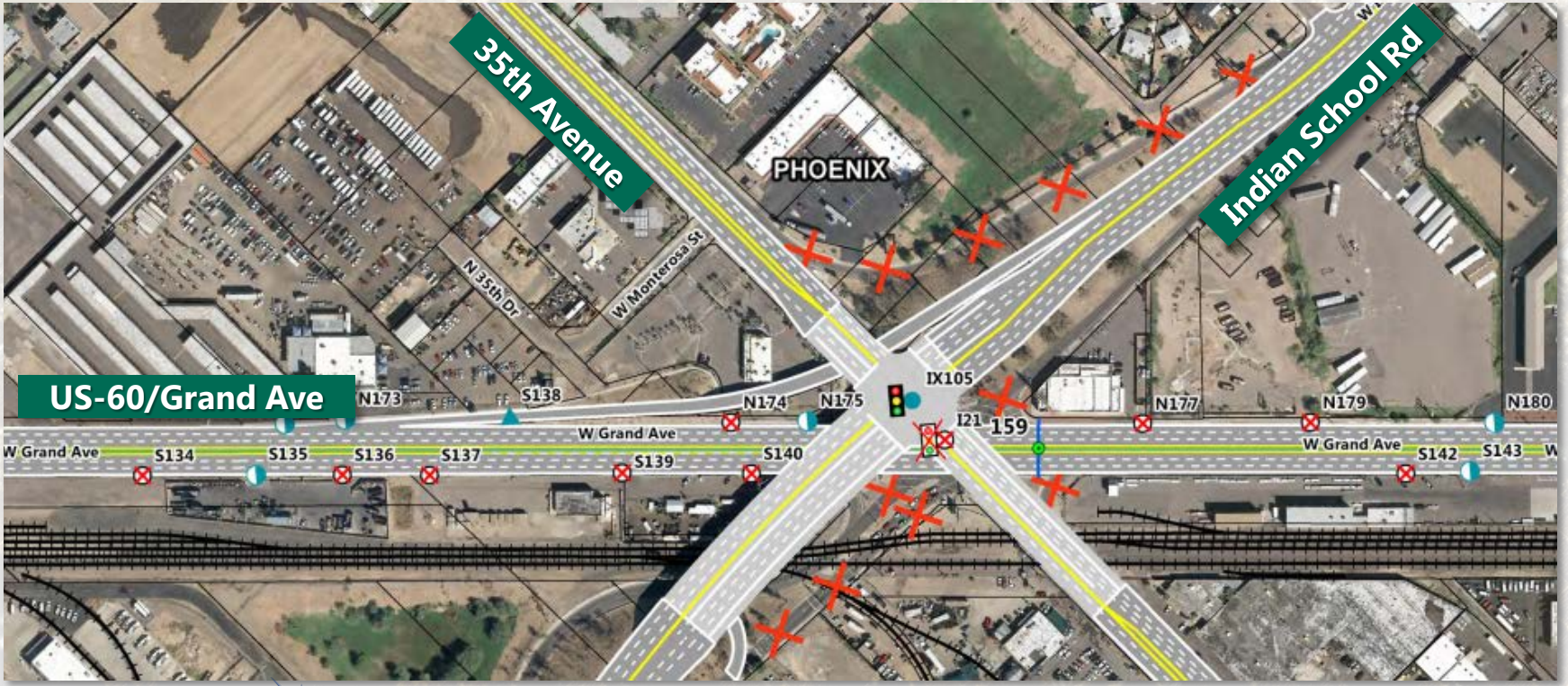
What is Corridor Optimization?



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Concepts vs. Alternatives

- Geometric recommendations **are only concepts** at this point.
- Design and Environmental Clearances are the next steps with required **local, state and federal agencies approvals**.

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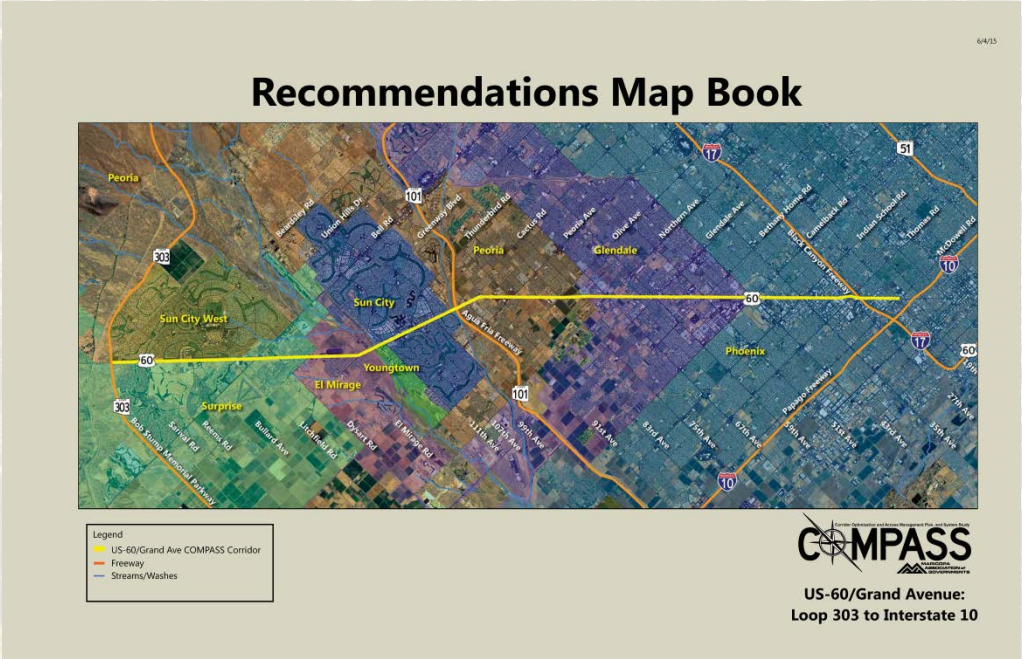
Access Management

- Consolidated **230 access points**. Remaining access points include:
  - **119** right-in right-out access points;
  - **12** three-quarter movement access points;
  - **32** full movement access points (intersections); and
  - **28** ramp connections.



PLANNING FOR OPERATIONS

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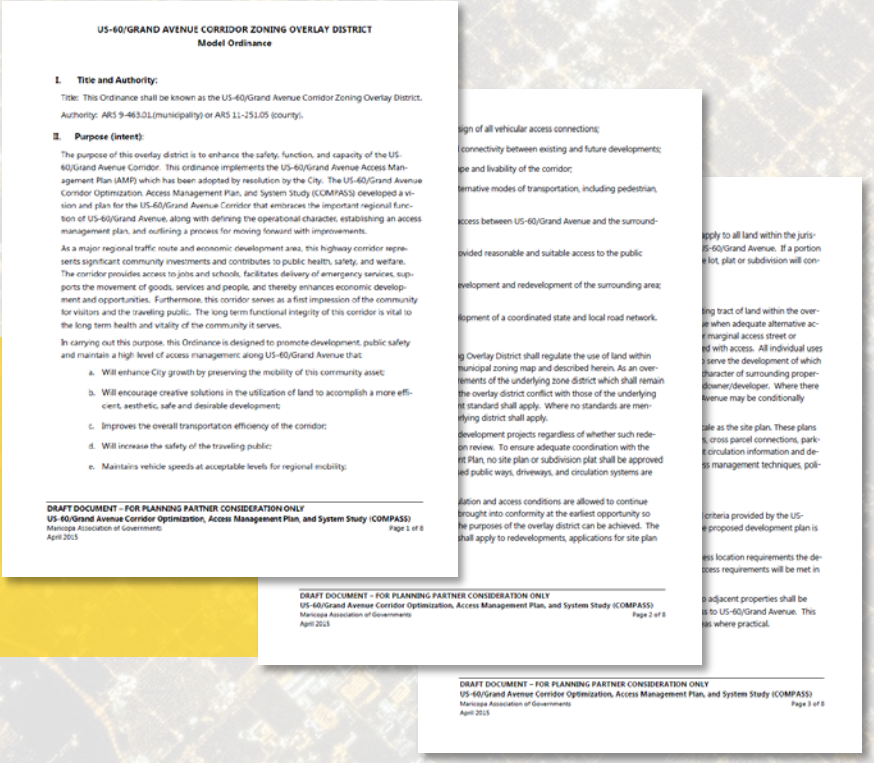
Systems Planning and Implementation

- **ZONING OVERLAY DISTRICT**
  - Provides clear guidance and an enforcement mechanism to enhance safety, function, and capacity.
  - Outlines purpose, applicability and conformity.
  - Defines **district boundaries and standards for development, streets and driveway connections**.
  - Describes process for **managing non-conforming access** and coordination between agencies.
  - Incorporates multi-modal travel.



US-60/GRAND AVENUE CORRIDOR ZONING OVERLAY DISTRICT
Model Ordinance

I. Title and Authority:

Title: This Ordinance shall be known as the US-60/Grand Avenue Corridor Zoning Overlay District.

Authority: ARS 9-463.01(municipality) or ARS 11-251.05 (county).

II. Purpose (intent):

The purpose of this overlay district is to enhance the safety, function, and capacity of the US-60/Grand Avenue Corridor. This ordinance implements the US-60/Grand Avenue Access Management Plan (AMP) which has been adopted by resolution by the City. The US-60/Grand Avenue Corridor Optimization, Access Management Plan, and System Study (COMPASS) developed a vision and plan for the US-60/Grand Avenue Corridor that embraces the important regional function of US-60/Grand Avenue, along with defining the operational character, establishing an access management plan, and outlining a process for moving forward with improvements.

As a major regional traffic route and economic development area, this highway corridor represents significant community investments and contributes to public health, safety, and welfare. The corridor provides access to jobs and schools, facilitates delivery of emergency services, supports the movement of goods, services and people, and thereby enhances economic development and opportunities. Furthermore, this corridor serves as a first impression of the community for visitors and the traveling public. The long term functional integrity of this corridor is vital to the long term health and vitality of the community it serves.

In carrying out this purpose, this Ordinance is designed to promote development, public safety and maintain a high level of access management along US-60/Grand Avenue that:

a. Will enhance City growth by preserving the mobility of this community asset;

b. Will encourage creative solutions in the utilization of land to accomplish a more efficient, aesthetic, safe and desirable development;

c. Improves the overall transportaton efficiency of the corridor;

d. Will increase the safety of the traveling public;

e. Maintains vehicle speeds at acceptable levels for regional mobility;

DRAFT DOCUMENT – FOR PLANNING PARTNER CONSIDERATION ONLY
US-60/Grand Avenue Corridor Optimization, Access Management Plan, and System Study (COMPASS)
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COMPASS

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