



**MARICOPA
ASSOCIATION of
GOVERNMENTS**

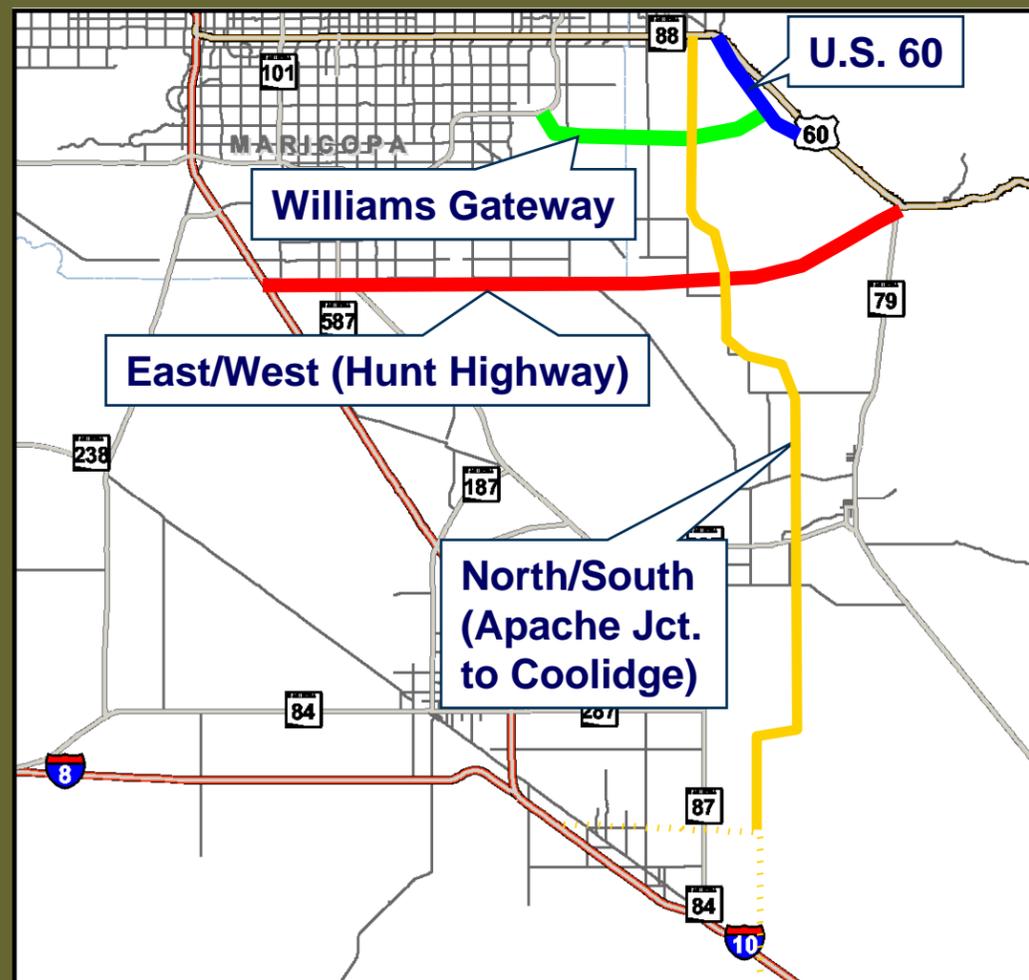
Williams Gateway Freeway Alignment and Environmental Overview Study

DMJM HARRIS | AECOM

Project Introduction

Background

- Maricopa Association of Governments (MAG) and Arizona Department of Transportation (ADOT) are working together on several studies in southeast Maricopa/northern Pinal Counties.
- Studies concurrently underway and build upon Southeast Maricopa/Northern Pinal County Area Transportation Study.
- Williams Gateway Freeway in Maricopa County funded by Proposition 400. Anticipated construction 2016-2020.



Southeast Maricopa/Northern Pinal County Area Transportation Study (SEMNPTS):

- Documented the transportation relationships between Maricopa and Pinal Counties
- Identified the long-range transportation demand
- Recommended realistic projects to address the demand and area needs
- Results incorporated into MAG Regional Transportation Plan, as well long-range planning of Pinal County and CAAG

ADOT Corridor Definition Studies Focus:

To make recommendations to the State Transportation Board regarding:

- Types of future facilities (E.G., freeways, arterials, parkways, etc.)
- General location of the corridors
- Jurisdictional responsibility for the facilities

ADOT Corridors Under Study:

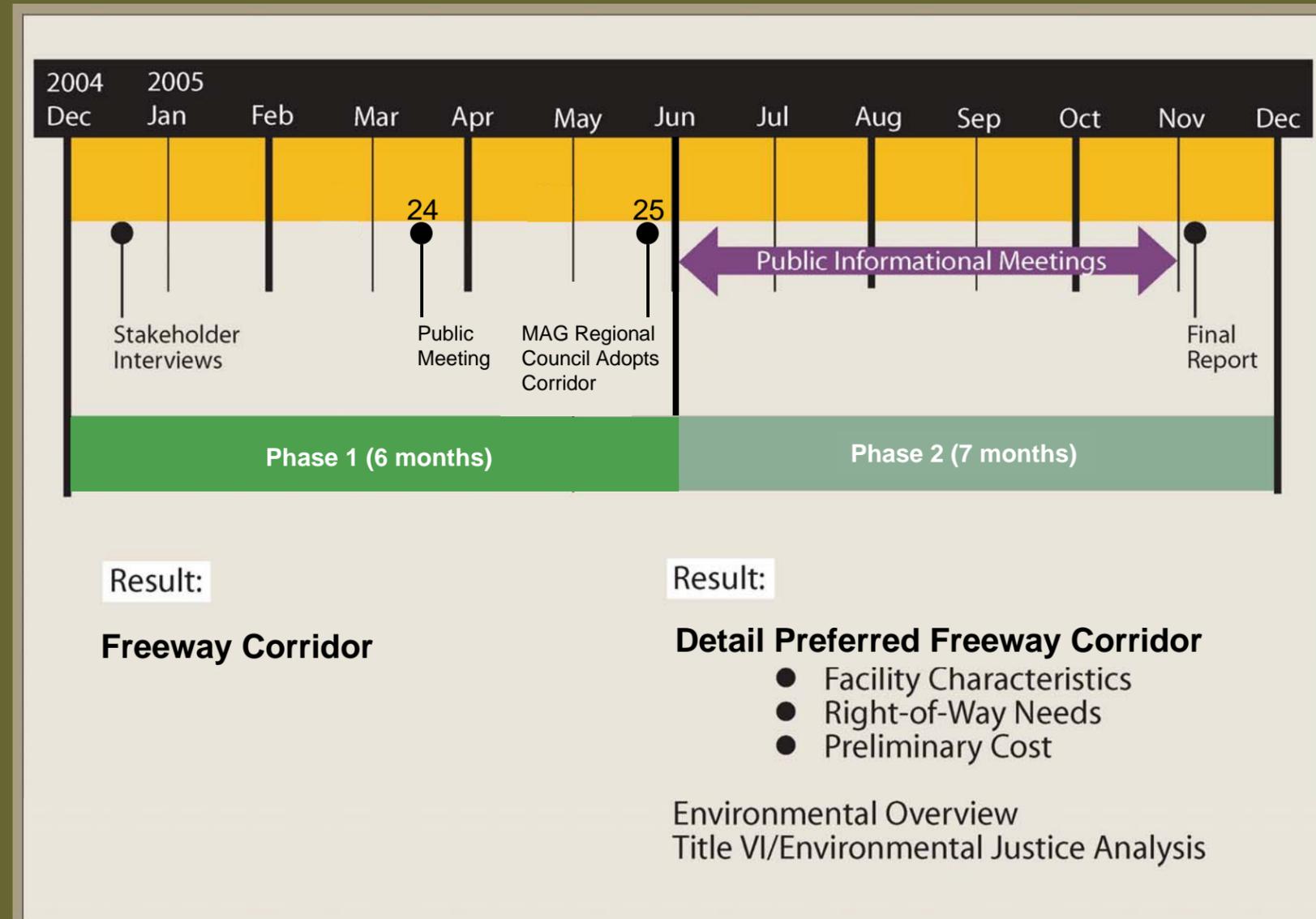
- Williams Gateway Corridor (SR 202 to US 60)
- East Valley Corridor (Interstate 10 to Florence Junction)
- Apache Junction/Coolidge Corridor (Interstate 10 to US 60)
- US 60 Corridor (Baseline to Ray Roads)

Project Introduction

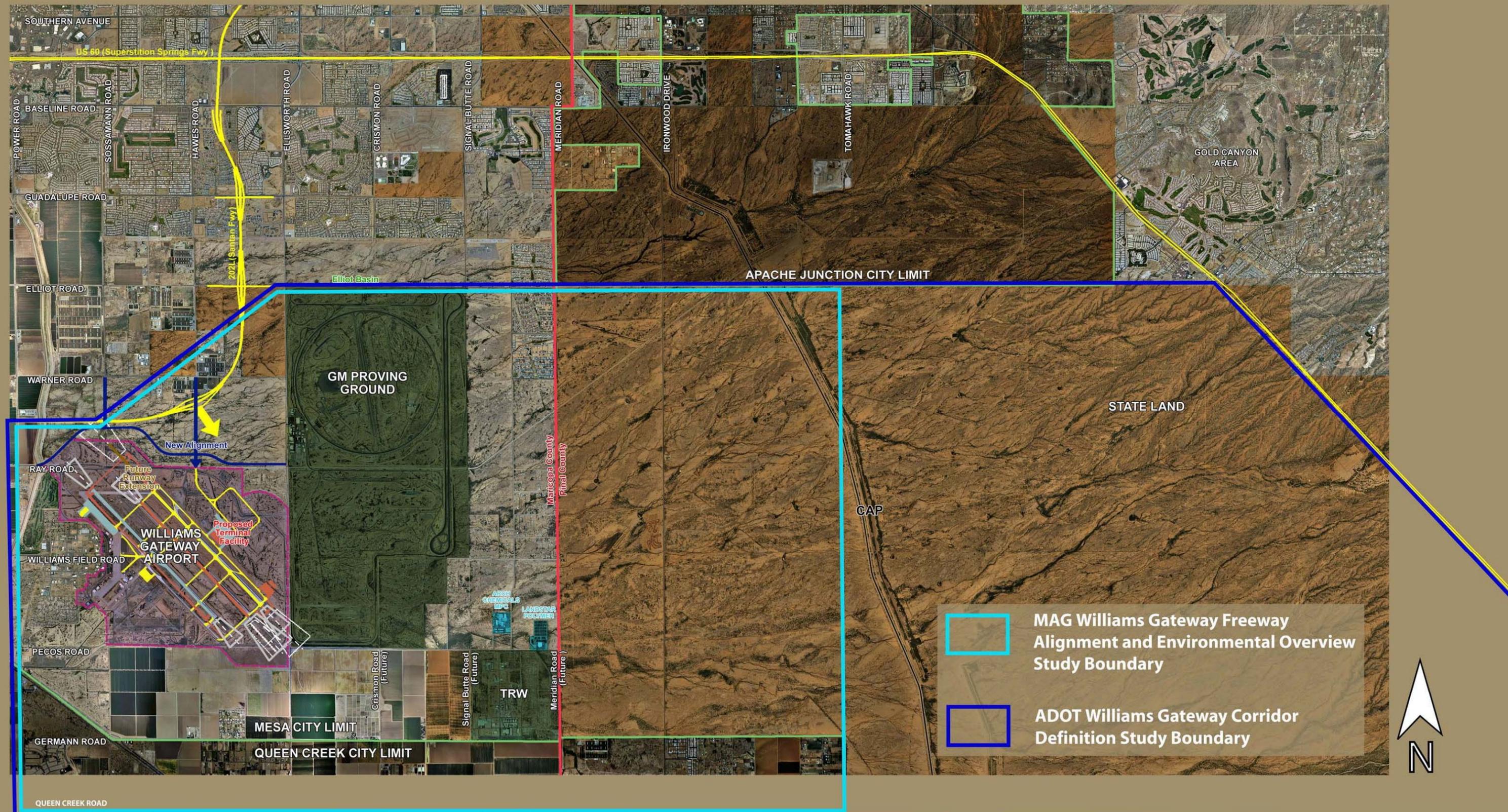
MAG Williams Gateway Freeway Alignment Study Focus:

- Identify and examine the existing physical, social, economic and environmental conditions within the Study Area that could effect the freeway alignment
- Identify and evaluate a range of alternative freeway alignments in Maricopa County, and the bordering area of Pinal County
- Recommend a Preferred Alignment for the freeway in Maricopa County
- Develop detailed information regarding transportation facility characteristics and right-of-way needs
- Identify preliminary environmental or Title VI/Environmental Justice factors to be addressed

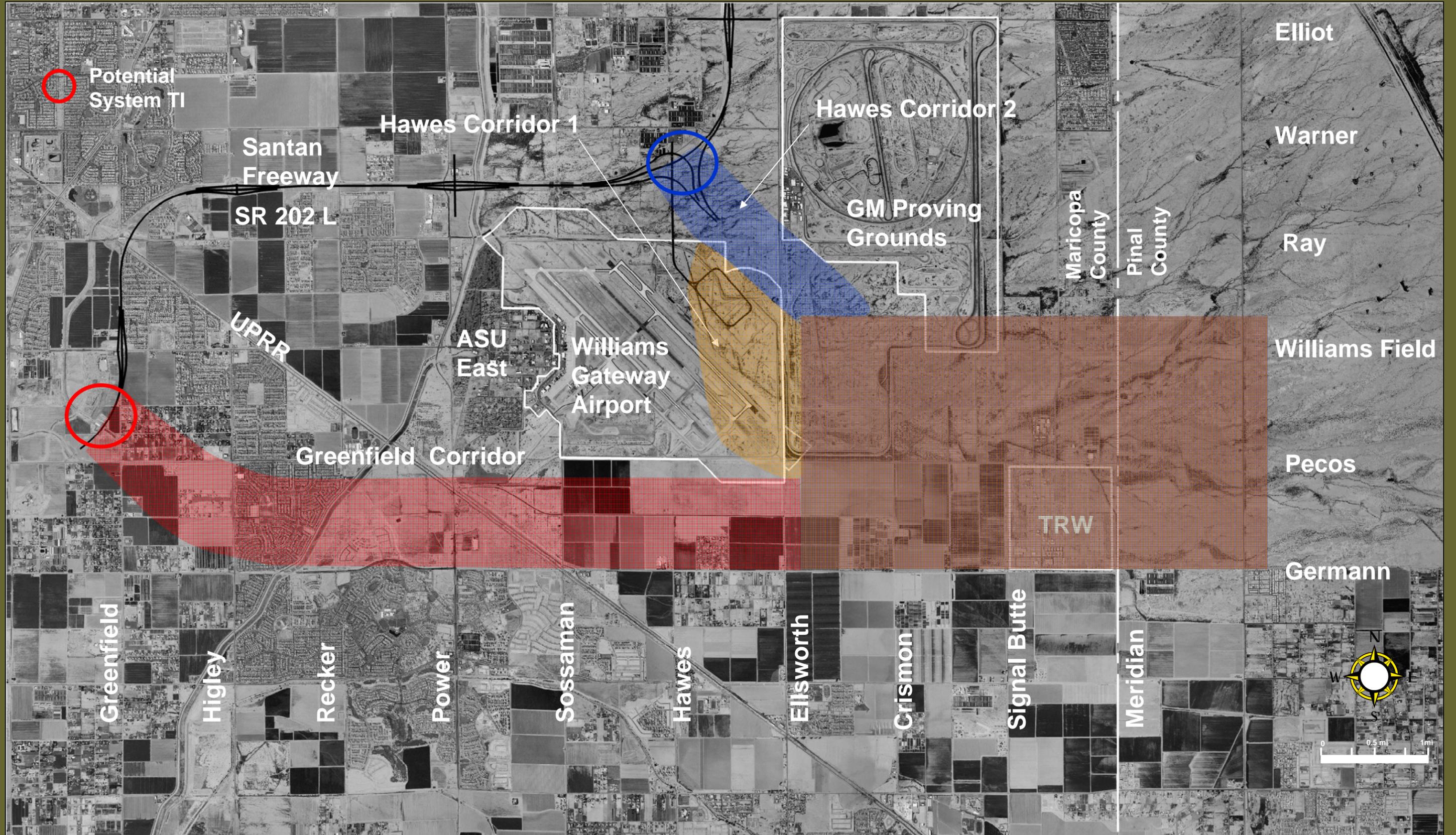
Project Schedule and Community Involvement



Study Boundaries



Tier 1 System Corridors



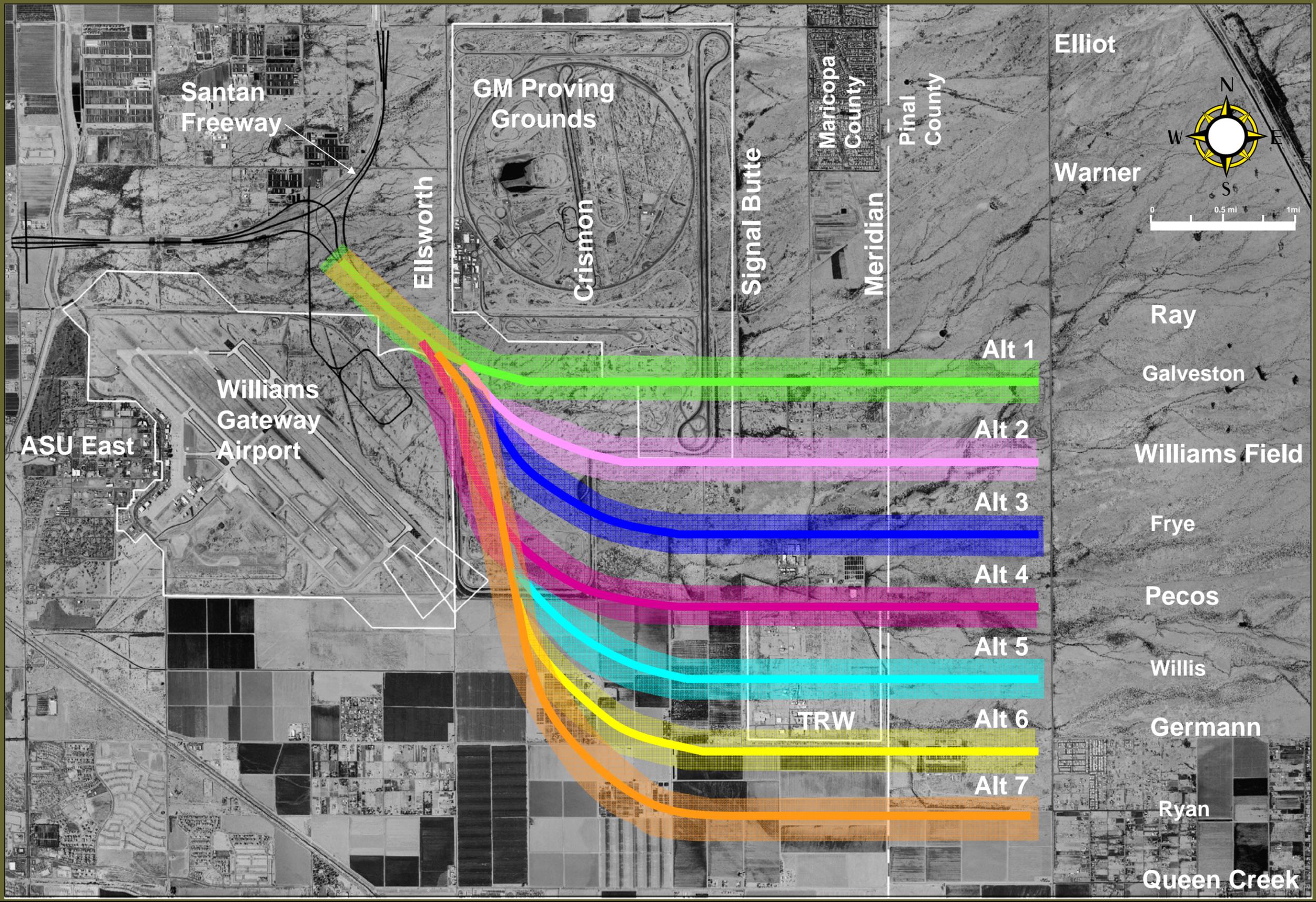
Tier 1 System Corridors Evaluation Matrix

CORRIDOR	CRITERIA				CONCLUSION
	CONSISTENCY WITH RTP	INCONSISTENCY WITH LOCAL PLANS	WILLIAMS GATEWAY AIRPORT INTERFERENCE	UNACCEPTABLE LAND USE OR ECONOMIC IMPACTS	
GREENFIELD (DIVERGES EAST AT GREENFIELD ROAD)	NOT CONSISTENT WITH THE CONNECTION TO THE SR 202 SHOWN IN THE RTP, & PROHIBITIVE COST DUE TO EXCESSIVE LENGTH OF NEW FREEWAY CONSTRUCTION REQUIRED	INCONSISTENT WITH GILBERT & MESA GENERAL PLANS	NO CRITICAL FLAW	UNACCEPTABLY DISRUPTS ESTABLISHED NEIGHBORHOODS	<p>REMOVE FROM FURTHER CONSIDERATION</p> <ul style="list-style-type: none"> • INCONSISTENT WITH RTP • INCONSISTENT WITH LOCAL PLANS • UNACCEPTABLE LAND USE IMPACTS
HAWES 1 (DIVERGES SOUTH AT HAWES ROAD)	NO CRITICAL FLAW	NO CRITICAL FLAW	INTERFERES WITH WILLIAMS GATEWAY AIRPORT OPERATIONS WITHOUT A COST-PROHIBITIVE SOLUTION SUCH AS TUNNELING (WHICH RAISES SECURITY ISSUES)	LIKELY UNACCEPTABLE IMPACTS ON LAND USES & ECONOMIC ACTIVITIES ON WILLIAMS GATEWAY CAMPUS	<p>REMOVE FROM FURTHER CONSIDERATION</p> <ul style="list-style-type: none"> • AIRPORT INTERFERENCE • UNACCEPTABLE LAND USE & ECONOMIC IMPACTS
HAWES 2 (DIVERGES SOUTHEAST AT HAWES)	NO CRITICAL FLAW	NO CRITICAL FLAW	NO CRITICAL FLAW	NO CRITICAL FLAW	<p>CARRY FORWARD AND EVALUATE REFINED OPTIONS IN TIER 2</p>

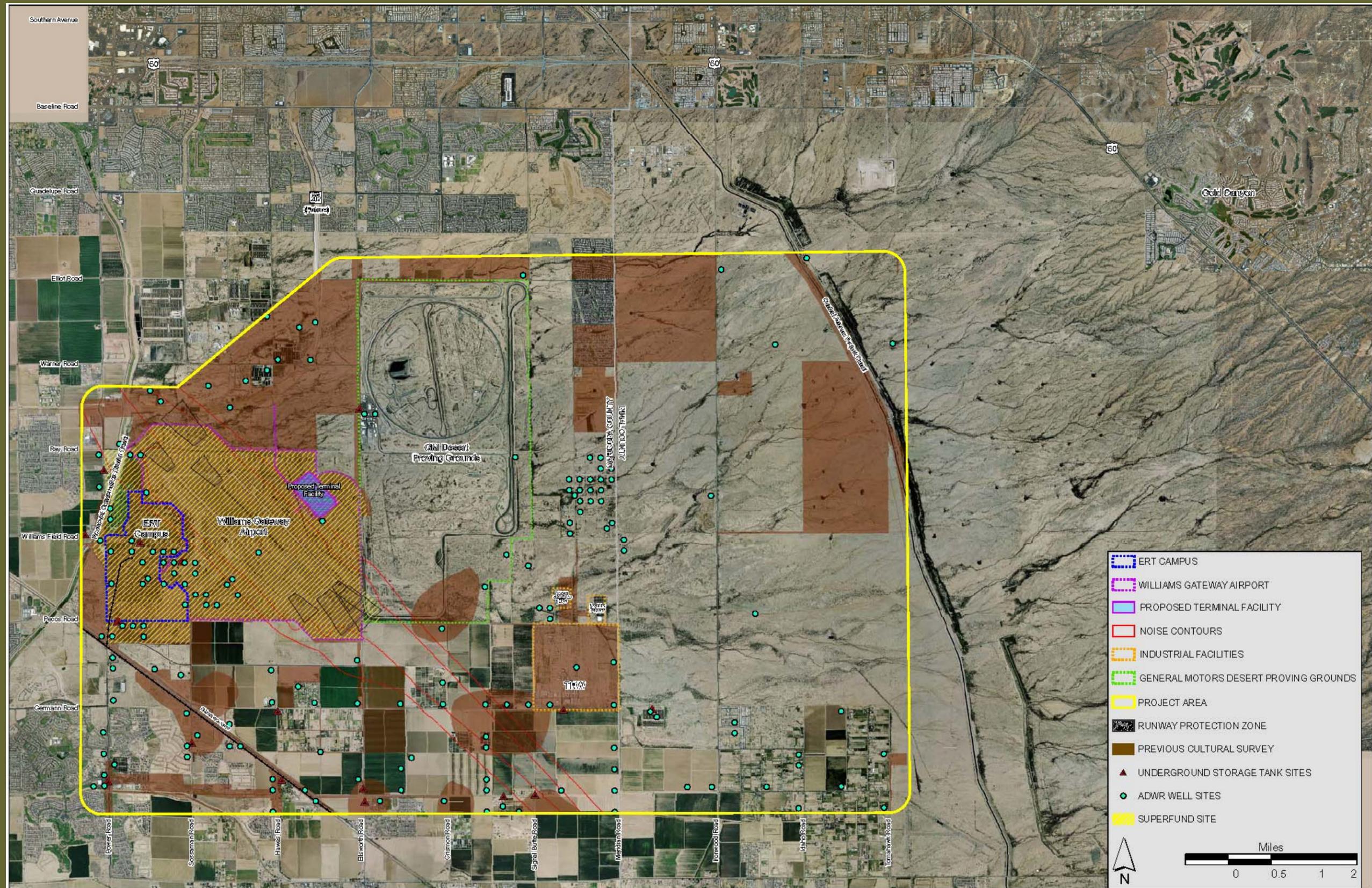
Tier 1 System Corridors



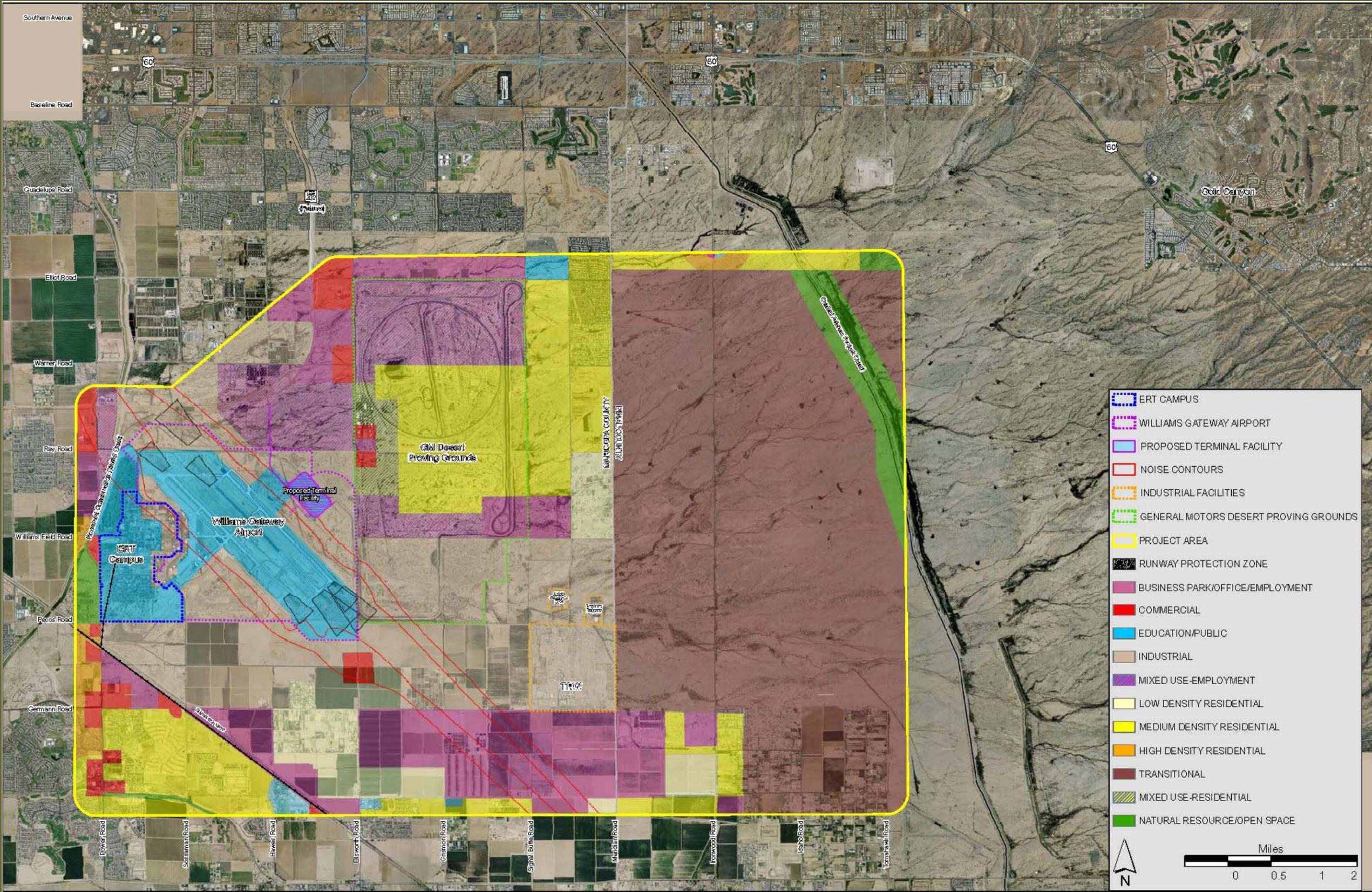
Tier 2 Corridors



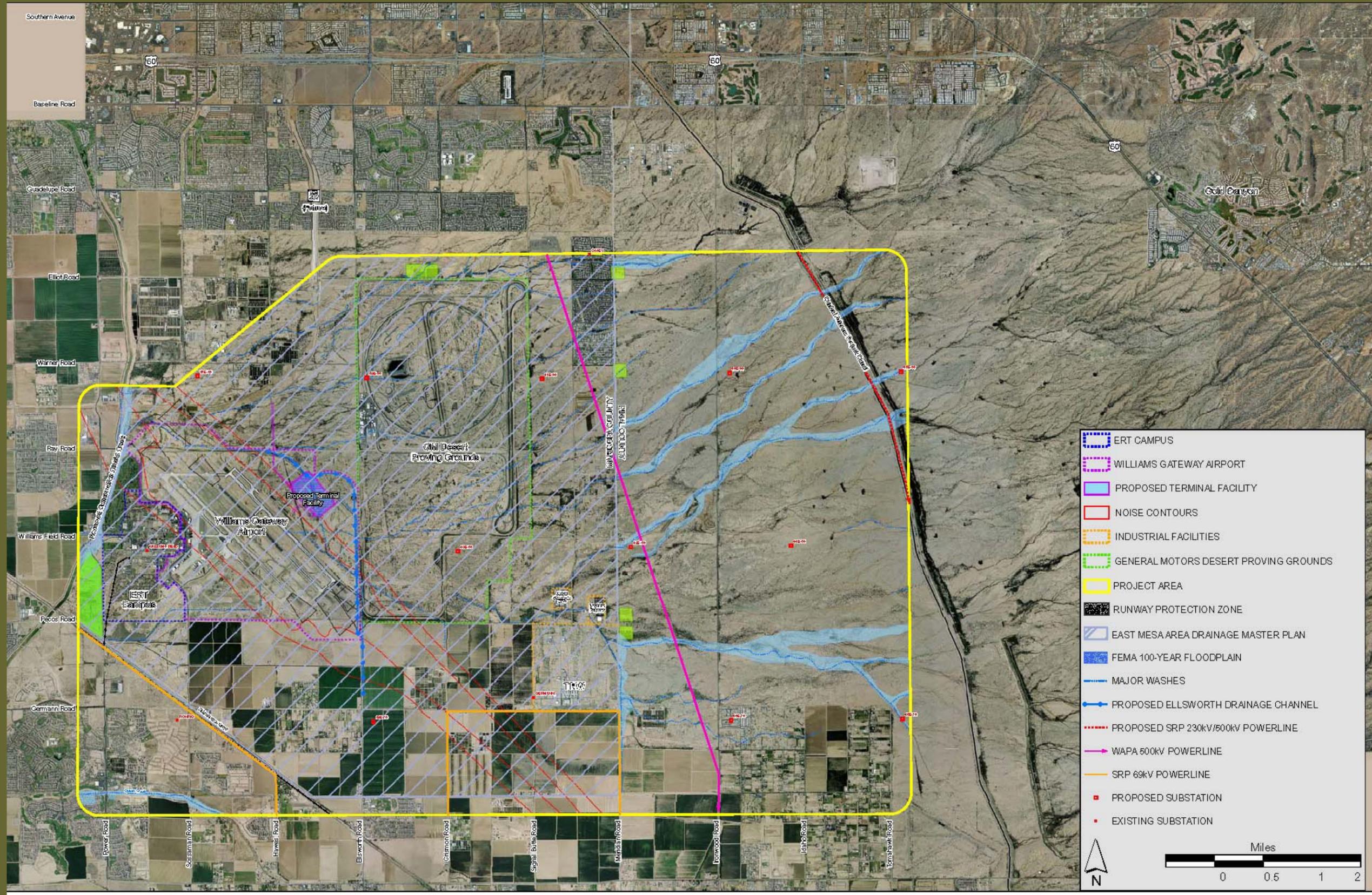
Environmental Considerations



Future Land Use Map



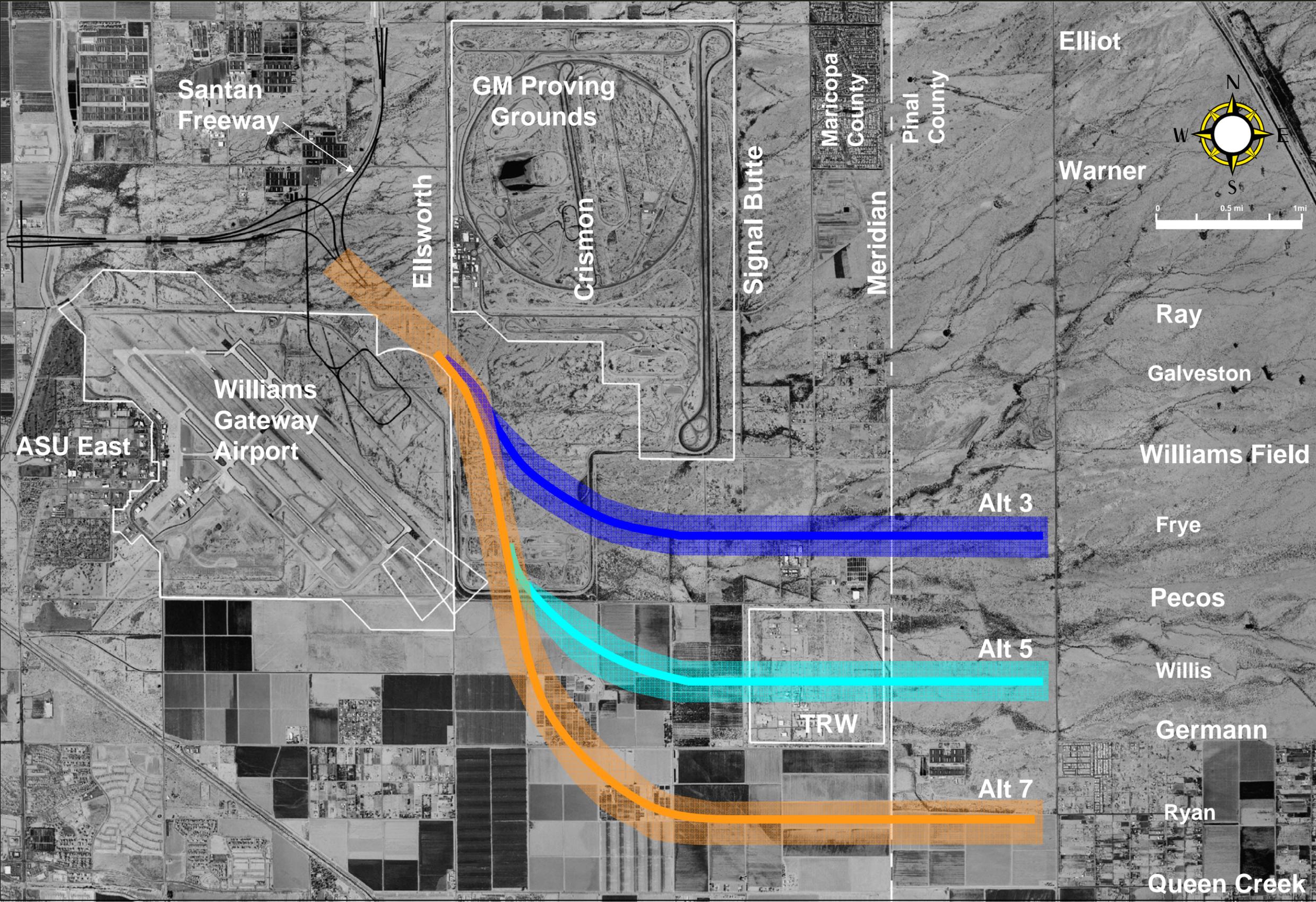
Drainage and Utilities Map



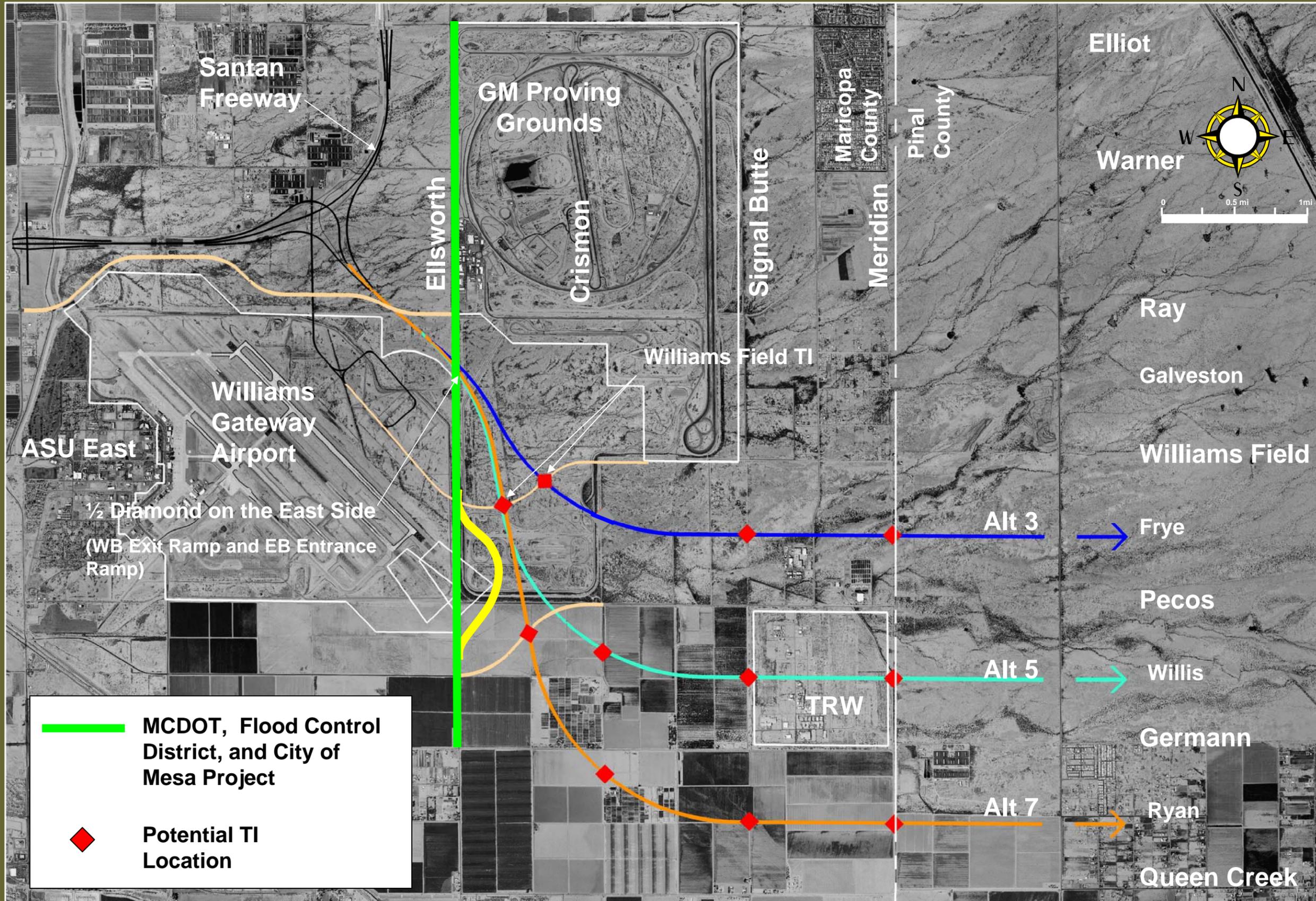
Tier 2 Corridors Evaluation Matrix

ALTER-NATIVES	CRITERIA ¹								CONCLUSIONS
	ECONOMIC DEVELOPMENT		CONSISTENCY WITH CURRENTLY ADOPTED MESA AND QUEEN CREEK GENERAL PLANS	TRANSPORTATION SERVICE		ENVIRONMENTAL COMPATIBILITY ²	COST MINIMIZATION	PINAL COUNTY CONSIDERATIONS ³	
	SUSTAINS MAJOR EXISTING EMPLOYERS	SUPPORTS LONG-TERM GROWTH OF WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER ⁴		LOCAL ACCESS, INCLUDING ACCESS TO AIRPORT ⁵	COMPATIBILITY WITH PLANNED ARTERIAL SYSTEM				
1	<i>Low</i> (REQUIRES R/W FROM GM DESERT PROVING GROUNDS & REMOVES N/S TEST TRACK)	<i>MEDIUM</i> (PRIMARYLY SERVES MESA PORTION OF WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>MEDIUM</i> (LESS COMPATIBLE WITH RESIDENTIAL THAN WITH EMPLOYMENT LAND USE IN MESA)	<i>Low</i>	<i>High</i> (COMPATIBLE WITH FUTURE GRID NETWORK)	<i>Low</i> (IMPACTS 4 DOMESTIC WATER PRODUCTION WELLS, 1 STOCK WATER PRODUCTION WELL & 1 TEST WELL; IMPACTS MAJOR WASH FEATURE & 100-YEAR FLOODPLAIN EAST OF COUNTY LINE IN STUDY AREA)	<i>High</i> (5.0 MILES)	<i>MEDIUM</i>	CONSULTANT RECOMMENDS REMOVE FROM FURTHER CONSIDERATION. SUBSTANTIAL ENVIRONMENTAL & ECONOMIC (GM PROVING GROUNDS) IMPACTS; RELATIVELY LITTLE AIRPORT ACCESS
2	<i>MEDIUM</i> (REQUIRES SOME R/W FROM PROVING GROUNDS, BUT PRESERVES N/S TEST TRACK)	<i>MEDIUM</i> (PRIMARYLY SERVES MESA PORTION OF WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>High</i> (CONSISTENT WITH MESA GENERAL PLAN)	<i>Low</i>	<i>Low</i> (TAKES ARTERIAL ALIGNMENT: WILLIAMS FIELD RD)	<i>Low</i> (IMPACTS 4 DOMESTIC WATER PRODUCTION WELLS, A MAJOR WASH FEATURE, & A 100-YEAR FLOODPLAIN EAST OF COUNTY LINE IN STUDY AREA; ADJACENT HAZARDOUS MATERIALS)	<i>High</i> (5.25 MILES)	<i>High</i>	CONSULTANT RECOMMENDS REMOVE FROM FURTHER CONSIDERATION. INCOMPATIBLE WITH PLANNED ARTERIAL STREET SYSTEM; SUBSTANTIAL ENVIRONMENTAL IMPACTS
3	<i>High</i> (NO NOTABLE IMPACTS)	<i>High</i> (PROVIDES BALANCED HIGH-CAPACITY TRAVEL WITHIN WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>High</i> (CONSISTENT WITH MESA GENERAL PLAN)	<i>MEDIUM</i>	<i>High</i> (COMPATIBLE WITH FUTURE GRID NETWORK)	<i>MEDIUM</i> (IMPACTS 1 DOMESTIC WATER PRODUCTION WELL & A MAJOR WASH FEATURE IN MARICOPA COUNTY; ADJACENT HAZARDOUS MATERIALS)	<i>MEDIUM</i> (5.5 MILES)	<i>High</i>	CONSULTANT RECOMMENDS RETAIN FOR TIER 3. PERFORMS GENERALLY WELL AT TIER 2 LEVEL AT ANALYSIS
4	<i>MEDIUM</i> (MINOR IMPACT TO FUJI FILM & CRMA TIRE RECYCLING PLANT TIER ACCESS)	<i>High</i> (PROVIDES BALANCED HIGH-CAPACITY TRAVEL WITHIN WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>High</i> (CONSISTENT WITH MESA GENERAL PLAN)	<i>MEDIUM</i>	<i>Low</i> (TAKES ARTERIAL ALIGNMENT: PECOS RD)	<i>MEDIUM</i> (IMPACTS 1 MONITOR WELL, 1 MUNICIPAL WATER PRODUCTION WELL & A MAJOR WASH FEATURE IN MARICOPA COUNTY; ADJACENT HAZARDOUS MATERIALS)	<i>MEDIUM</i> (6.0 MILES)	<i>MEDIUM</i>	CONSULTANT RECOMMENDS REMOVE FROM FURTHER CONSIDERATION. INCOMPATIBLE WITH PLANNED ARTERIAL STREET SYSTEM
5	<i>MEDIUM</i> (REQUIRES R/W FROM TRW, ALTHOUGH IN A MANNER CONSISTENT WITH ITS LONG-RANGE PROPERTY DISPOSITION PLANS)	<i>High</i> (PROVIDES BALANCED HIGH-CAPACITY TRAVEL WITHIN WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>High</i> (CONSISTENT WITH MESA GENERAL PLAN)	<i>MEDIUM</i>	<i>High</i> (COMPATIBLE WITH FUTURE GRID NETWORK)	<i>MEDIUM</i> (IMPACTS 2 IRRIGATION PRODUCTION WELLS, 1 MUNICIPAL PRODUCTION WELL, 1 ABANDONED GEOTECH BORING, & A MAJOR WASH FEATURE & A 100-YEAR FLOODPLAIN)	<i>MEDIUM</i> (6.5 MILES)	<i>MEDIUM</i>	CONSULTANT RECOMMENDS RETAIN FOR TIER 3. PERFORMS GENERALLY WELL AT TIER 2 LEVEL OF ANALYSIS
6	<i>MEDIUM</i> (MINOR IMPACT TO TRW ACCESS)	<i>MEDIUM</i> (PRIMARYLY SERVES QUEEN CREEK PORTION OF WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>High</i> (CONSISTENT WITH MESA AND QUEEN CREEK GENERAL PLANS)	<i>High</i>	<i>Low</i> (TAKES ARTERIAL ALIGNMENT: GERMANN RD)	<i>Low</i> (IMPACTS 12 PRODUCTION WELLS: 2 INDUSTRIAL, 5 IRRIGATION, 3 STOCK, 1 DOMESTIC & 1 MUNICIPAL; ALSO A KNOWN CULTURAL SITE & A 100-YEAR FLOODPLAIN)	<i>Low</i> (6.75 MILES)	<i>Low</i>	CONSULTANT RECOMMENDS REMOVE FROM FURTHER CONSIDERATION. INCOMPATIBLE WITH PLANNED ARTERIAL STREET SYSTEM; SUBSTANTIAL ENVIRONMENTAL IMPACTS
7	<i>High</i> (NO NOTABLE IMPACTS)	<i>MEDIUM</i> (PRIMARYLY SERVES QUEEN CREEK PORTION OF WILLIAMS GATEWAY ECONOMIC ACTIVITY CENTER)	<i>MEDIUM</i> (LESS COMPATIBLE WITH RESIDENTIAL THAN WITH EMPLOYMENT LAND USE IN QUEEN CREEK)	<i>High</i>	<i>High</i> (COMPATIBLE WITH FUTURE GRID NETWORK)	<i>Low</i> (IMPACTS 3 IRRIGATION PRODUCTION WELLS, A KNOWN CULTURAL SITE, & CREATES NOISE & VISUAL CONCERNS NEAR EXISTING RESIDENCES)	<i>Low</i> (7.0 MILES)	<i>Low</i>	CONSULTANT RECOMMENDS RETAIN FOR TIER 3. PERFORMS GENERALLY WELL AT TIER 2 LEVEL DESPITE LENGTH, ENVIRONMENTAL IMPACTS & IMPACTS TO EXISTING LAND USES IN PINAL COUNTY

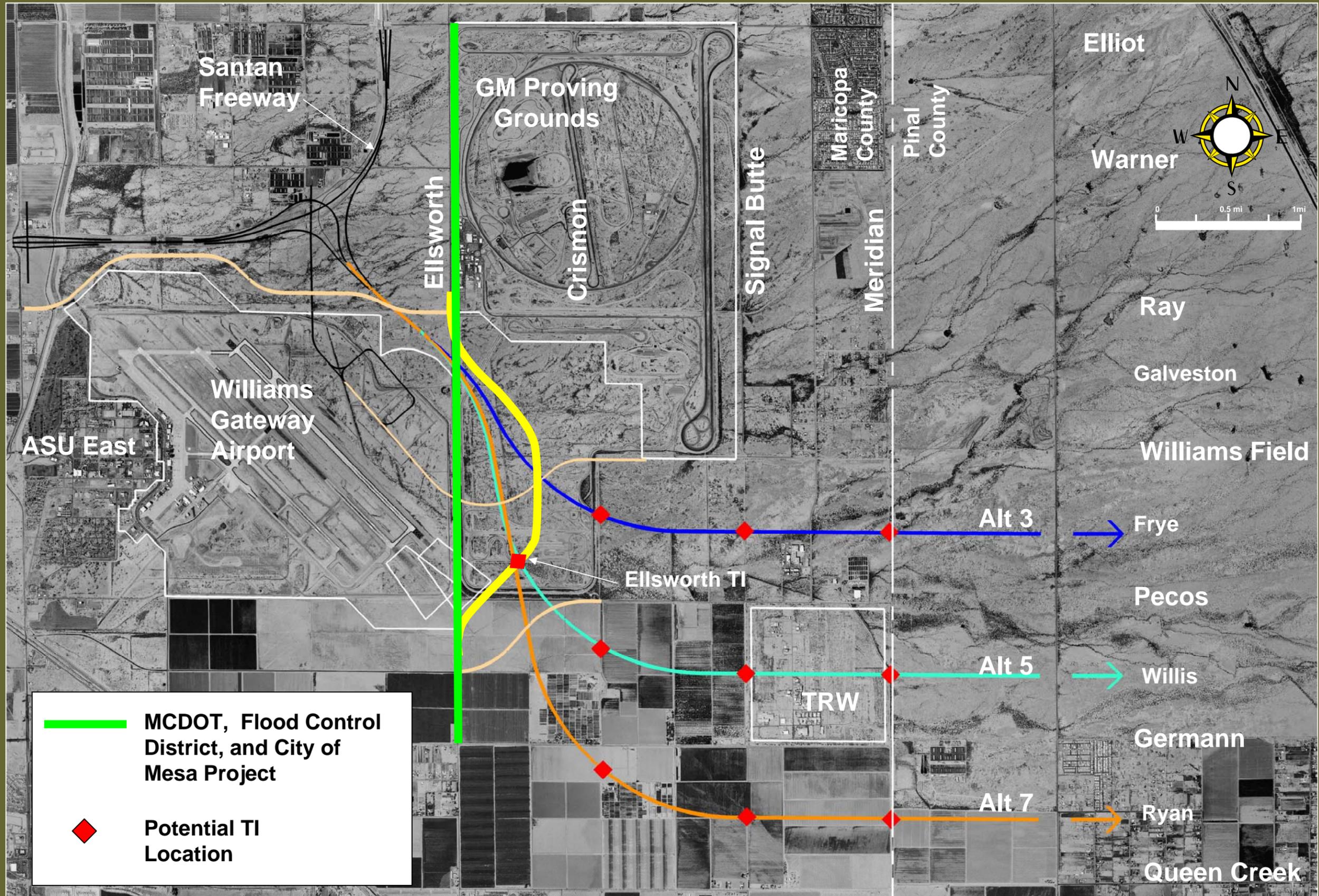
Tier 3 Draft Corridors



Potential Ellsworth Rd Realignment A

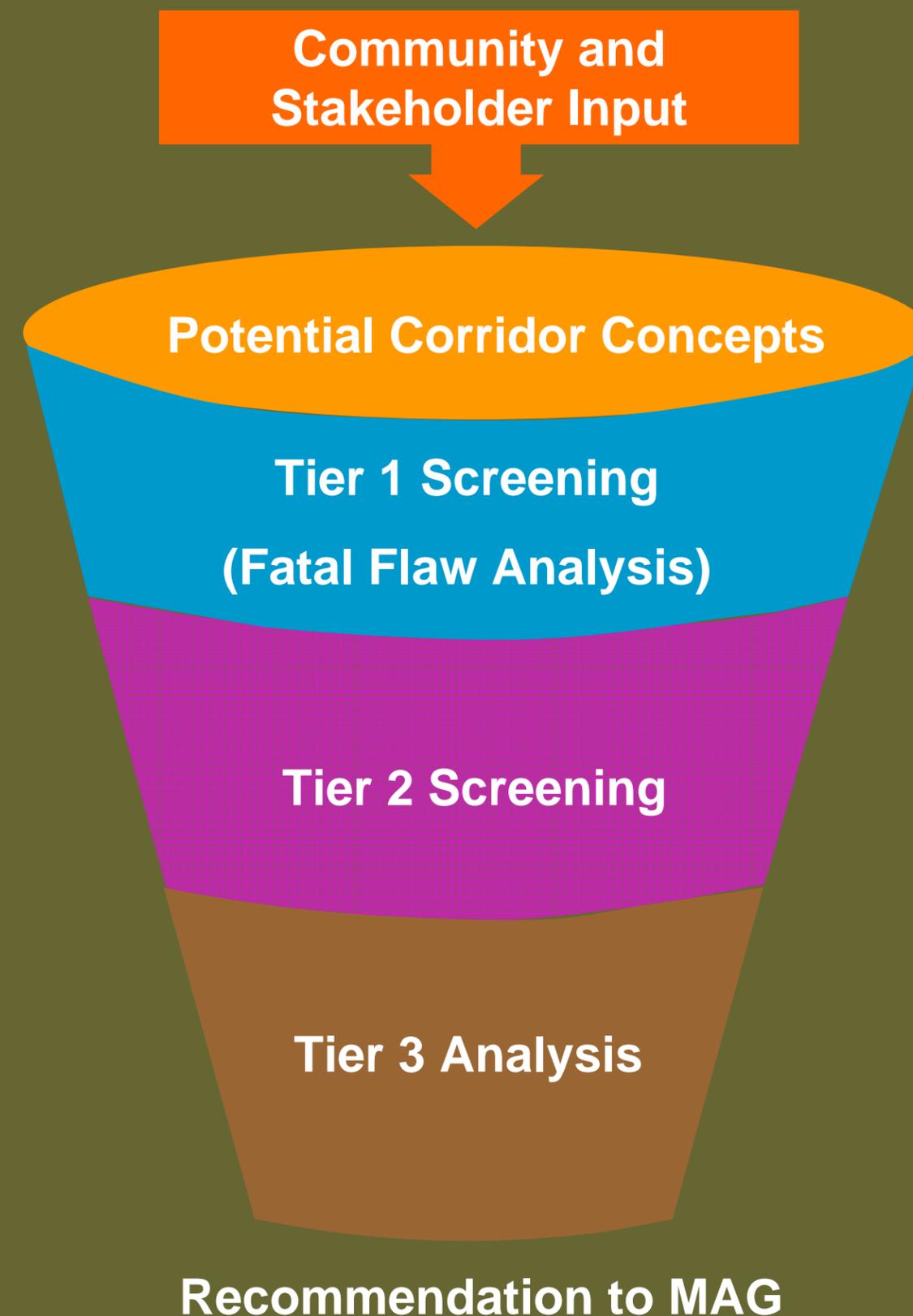


Potential Ellsworth Rd Realignment B



Feb/March 2005

1. Incorporate Community Input into Corridor Evaluation Process
2. Conduct More Detailed Evaluation of Draft Tier 3 Corridors with Agency Stakeholders
 - Mobility
 - Community Plan Consistency
 - Access
 - Environmental
 - Estimated Cost
 - Pinal County Considerations
3. Conduct the MAG Review Process for Recommended Freeway Corridor
 - MAG Transportation Review Committee
 - MAG Management Committee
 - MAG Policy Committee
 - MAG Regional Council
4. Adoption of Recommended Freeway Corridor by MAG Regional Council
5. Refinement of Recommended Freeway Corridor



Questions ???



For additional information:

Visit: www.mag.maricopa.gov (see News and Events)

Or Contact:

Roger Herzog, Senior Project Manager

Tel: 602-254-6300

E-mail: rherzog@mag.maricopa.gov

Contact Information

MAG Williams Gateway Freeway Alignment and Environmental Overview Study:

Roger Herzog, Senior Project Manager Tel: 602-254-6300 E-mail: rherzog@mag.maricopa.gov	Maricopa Association of Governments 302 N. 1 st Avenue, Suite 300 Phoenix, Az 85003
Paul Waung, PE, Project Manager Tel: 602-337-2607 E-mail: paul.waung@dmjmharris.com	DMJM Harris, Inc 2777 E. Camelback Road, Suite 200 Phoenix, Az 85016
John McNamara, AIA, AICP, Planning Manager Tel: 602-337-2584 E-mail: john.mcnamara@dmjmharris.com	DMJM Harris, Inc 2777 E. Camelback Road, Suite 200 Phoenix, Az 85016

ADOT Williams Gateway Corridor Definition Study:

Andy Smith, ADOT Project Manager Tel: 602-534-5474 E-mail: agsmith@dot.state.az.us	Arizona Department of Transportation 206 S. 17 th Avenue, MD 310 Phoenix, Az 85007
Steve Decker, Project Manager Tel: 510-873-8700 E-mail: sdecker@camsys.com	Cambridge Systematics, Inc. 555 12 th Street Oakland, CA 94607
Hugh Louch, Deputy Project Manager Tel: 510-873-8700 E-mail: hlouch@camsys.com	Cambridge Systematics, Inc. 555 12 th Street Oakland, CA 94607
Peggy Fiandaca, AICP, Public and Stakeholder Involvement Tel: 480-816-1811 E-mail: psainc@cox.net	Partners for Strategic Action, Inc. 13771 Fountain Hills Boulevard, Suite 360 Fountain Hills, Az 85268