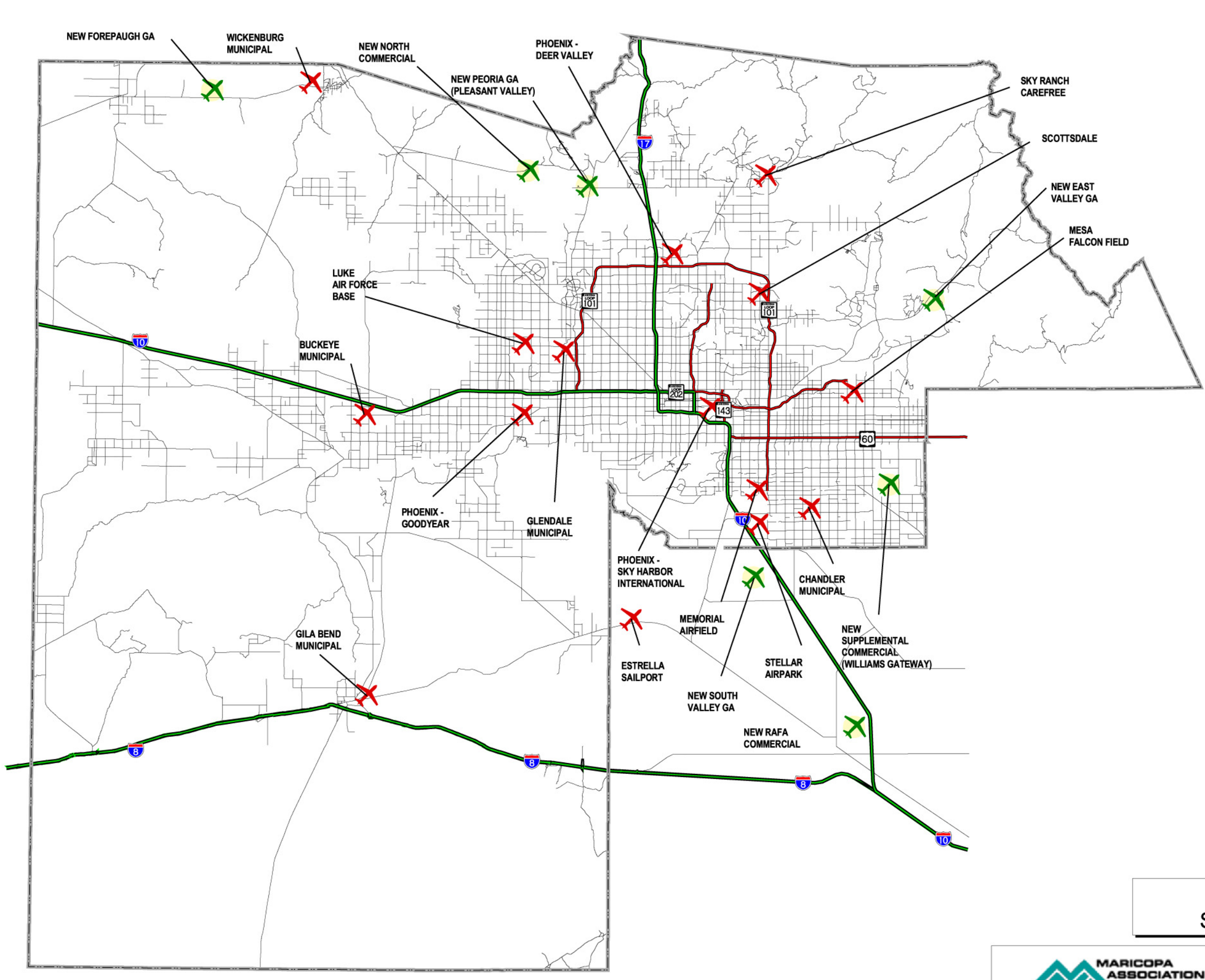


Exhibit 5.1

Potential New System Airport Locations

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates

N

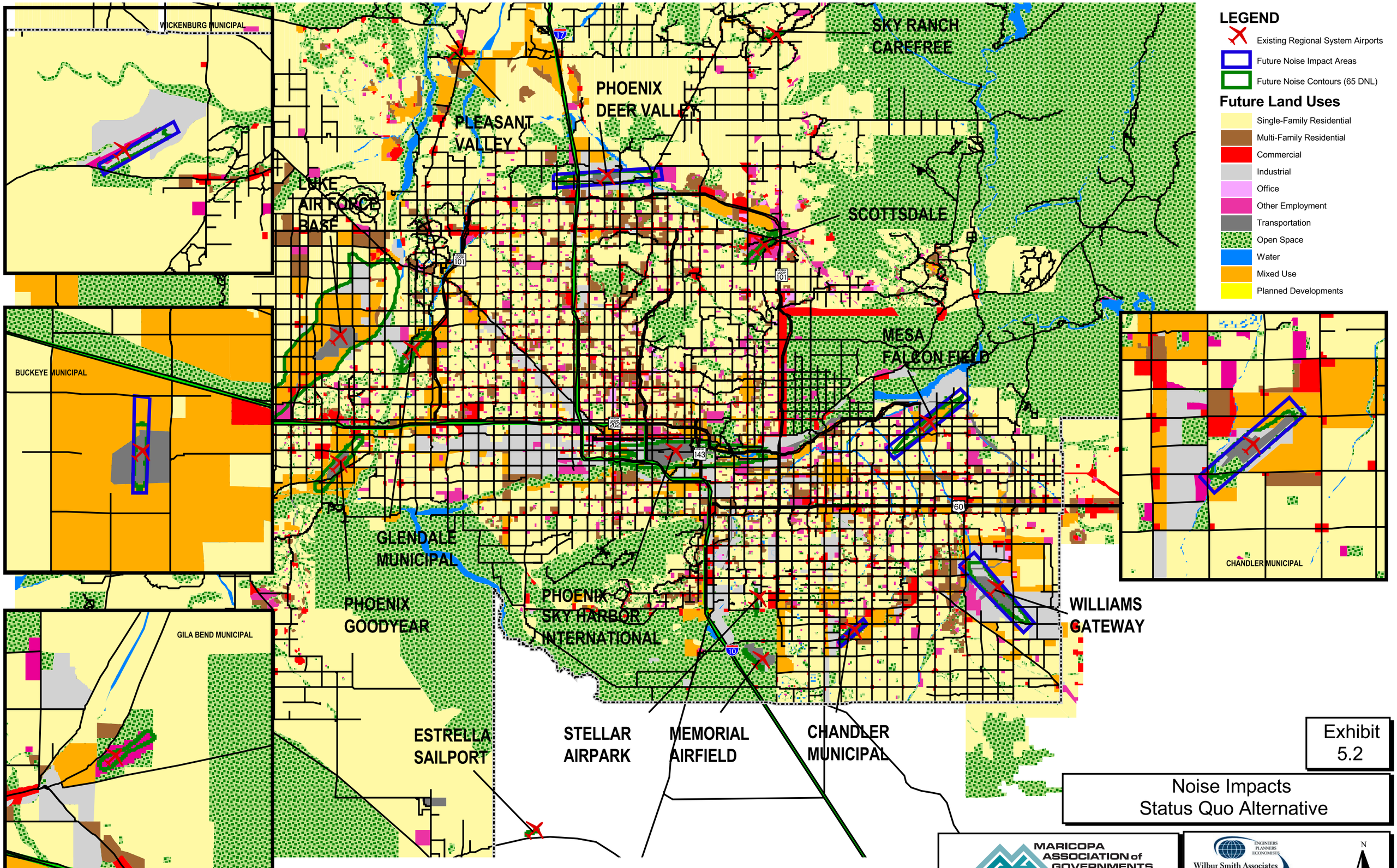


Exhibit 5.2

Noise Impacts
Status Quo Alternative

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates
ENGINEERS PLANNERS ECONOMISTS

N

WICKENBURG MUNICIPAL

SKY RANCH
CAREFREE

PHOENIX
DEER VALLEY

PLEASANT
VALLEY

LUKE
AIR FORCE
BASE

SCOTTSDALE

MESA
FALCON FIELD

BUCKEYE MUNICIPAL

CHANDLER MUNICIPAL

GLENDALE
MUNICIPAL

PHOENIX
GOODYEAR

PHOENIX
SKY HARBOR
INTERNATIONAL

WILLIAMS
GATEWAY

GILA BEND MUNICIPAL

ESTRELLA
SAILPORT

STELLAR
AIRPARK

MEMORIAL
AIRFIELD

CHANDLER
MUNICIPAL

LEGEND

- Existing Regional System Airports
- Future Noise Impact Areas
- Future Noise Contours (65 DNL)

Future Land Uses

- Single-Family Residential
- Multi-Family Residential
- Commercial
- Industrial
- Office
- Other Employment
- Transportation
- Open Space
- Water
- Mixed Use
- Planned Developments

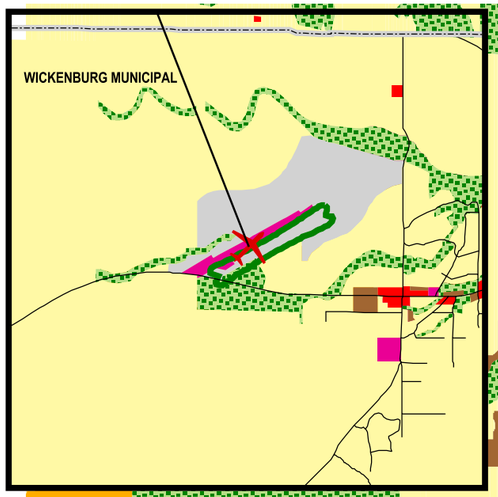
Exhibit
5.3

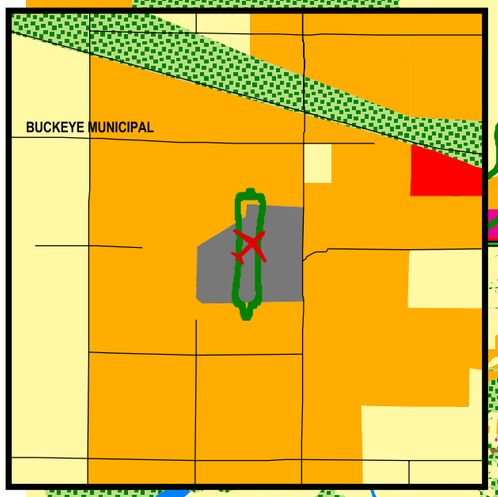
Noise Impacts - Maximum Airport Development Alternative

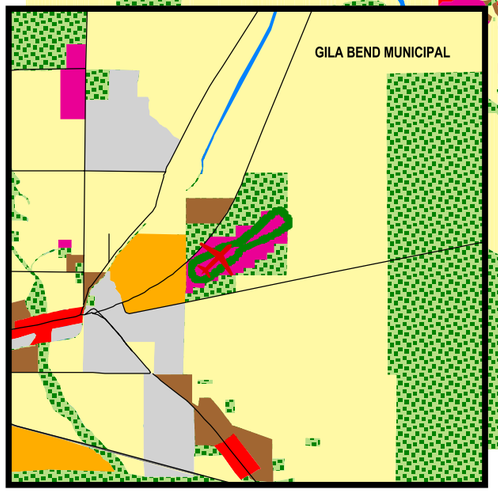
MARICOPA ASSOCIATION of GOVERNMENTS

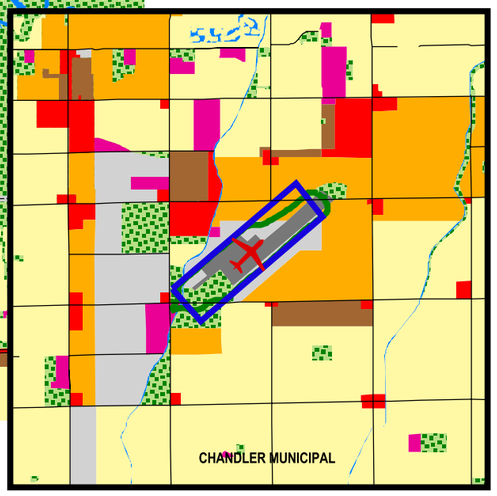
Wilbur Smith Associates
ENGINEERS PLANNERS ECONOMISTS

N









NEW NORTH COMMERCIAL

NEW PEORIA GA (PLEASANT VALLEY)

PHOENIX DEER VALLEY

SKY RANCH CAREFREE

LUKE AIR FORCE BASE

SCOTTSDALE

NEW EAST VALLEY GA

MESA FALCON FIELD

GLENDALE MUNICIPAL

PHOENIX GOODYEAR

PHOENIX SKY HARBOR INTERNATIONAL

NEW SUPPLEMENTAL COMMERCIAL (WILLIAMS GATEWAY)

ESTRELLA SAILPORT

STELLAR AIRPARK

MEMORIAL AIRFIELD

NEW SOUTH VALLEY GA

CHANDLER MUNICIPAL

LEGEND

- Existing Regional System Airports
- Potential New System Airports
- Future Noise Impact Areas
- Future Noise Contours (65 DNL)

Future Land Uses

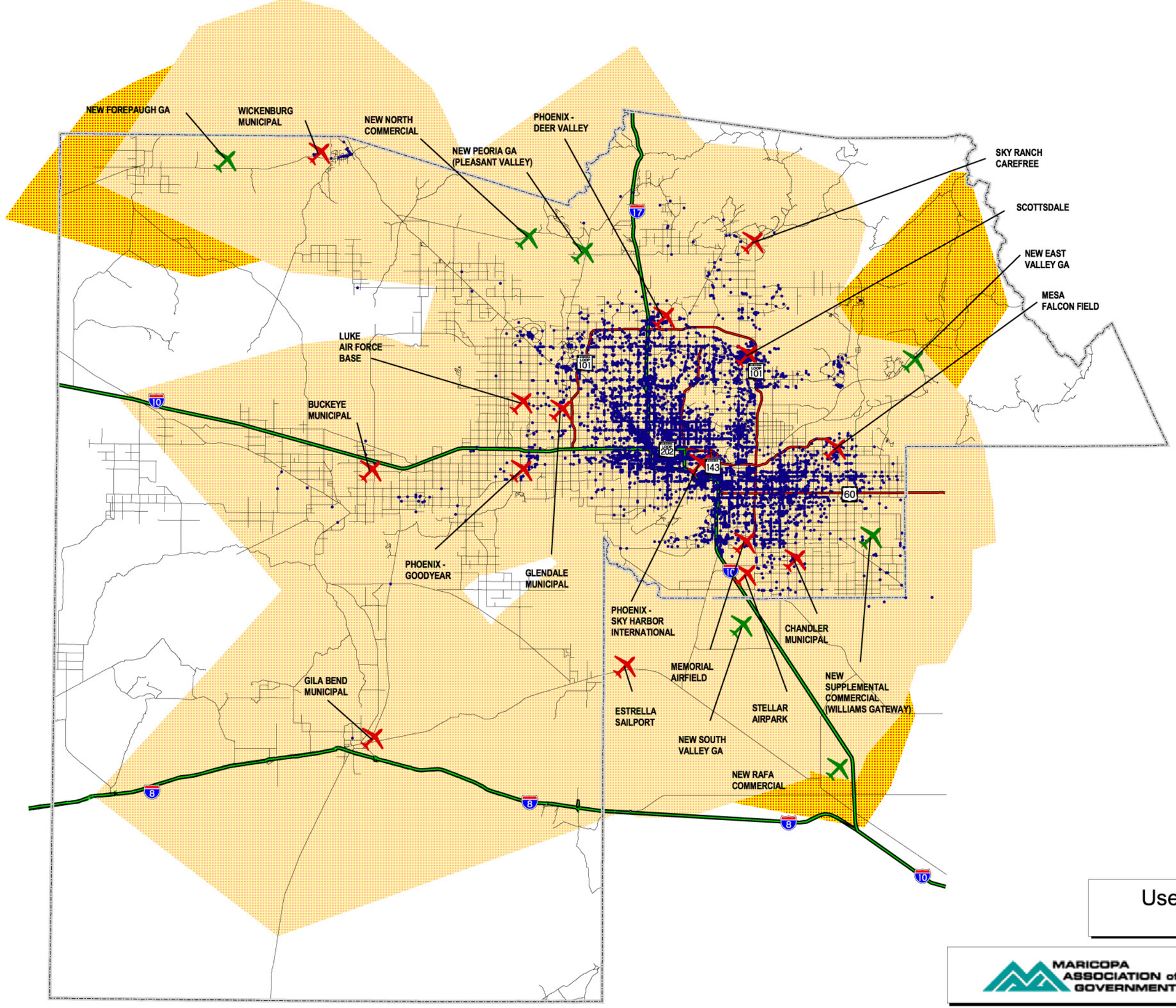
- Single-Family Residential
- Multi-Family Residential
- Commercial
- Industrial
- Office
- Other Employment
- Transportation
- Open Space
- Water
- Mixed Use
- Planned Developments

Exhibit 5.4

Noise Impacts - New Airport Development Alternative

MARICOPA ASSOCIATION of GOVERNMENTS

N



LEGEND

- Existing Regional System Airports
- Potential New System Airports
- 30-Minute Drive Times Existing Airports
- 30-Minute Drive Times New Airports
- Businesses with the Propensity to use Aviation

Exhibit 5.6

User Convenience Impacts Business Locations

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates

N

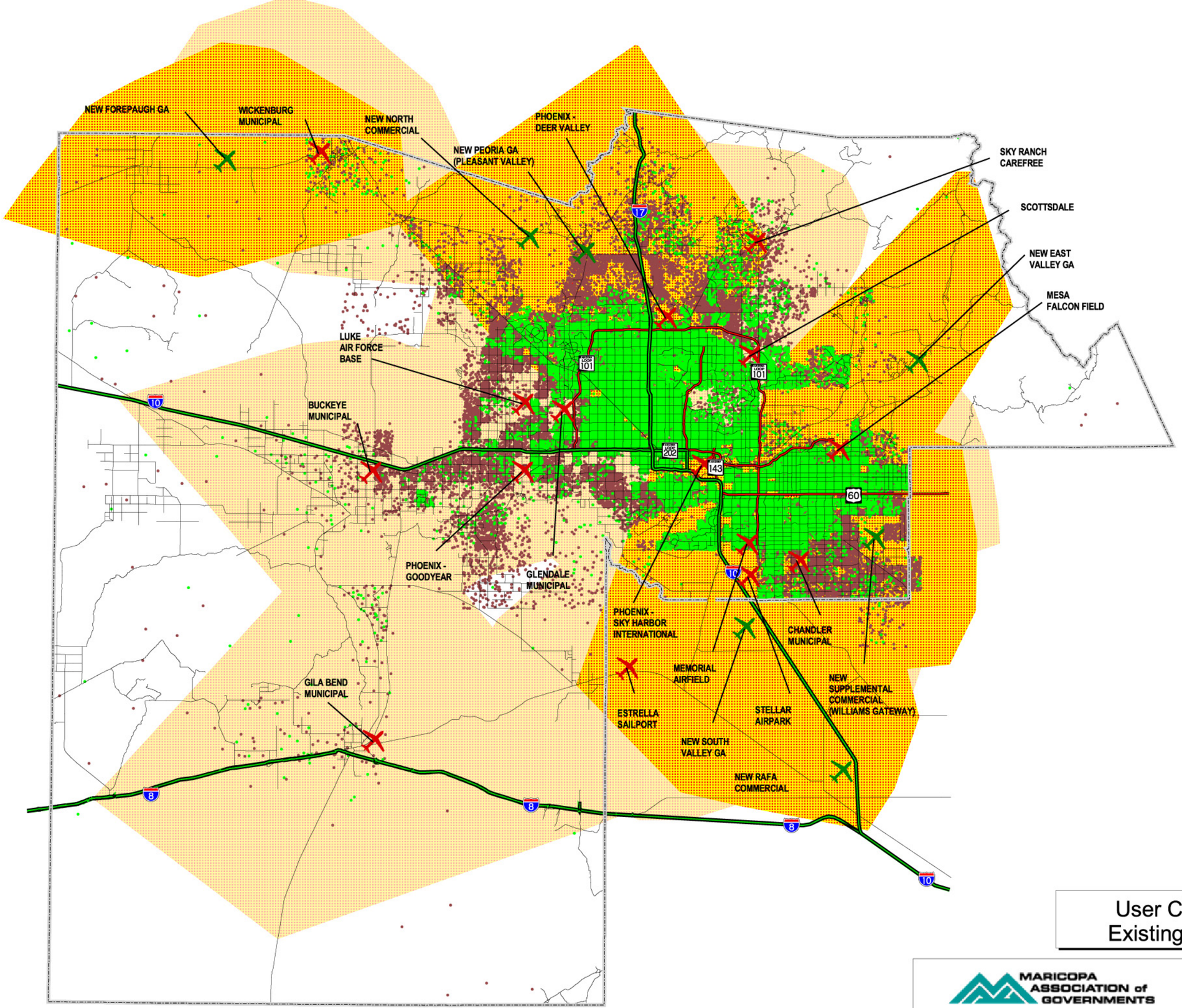


Exhibit 5.7

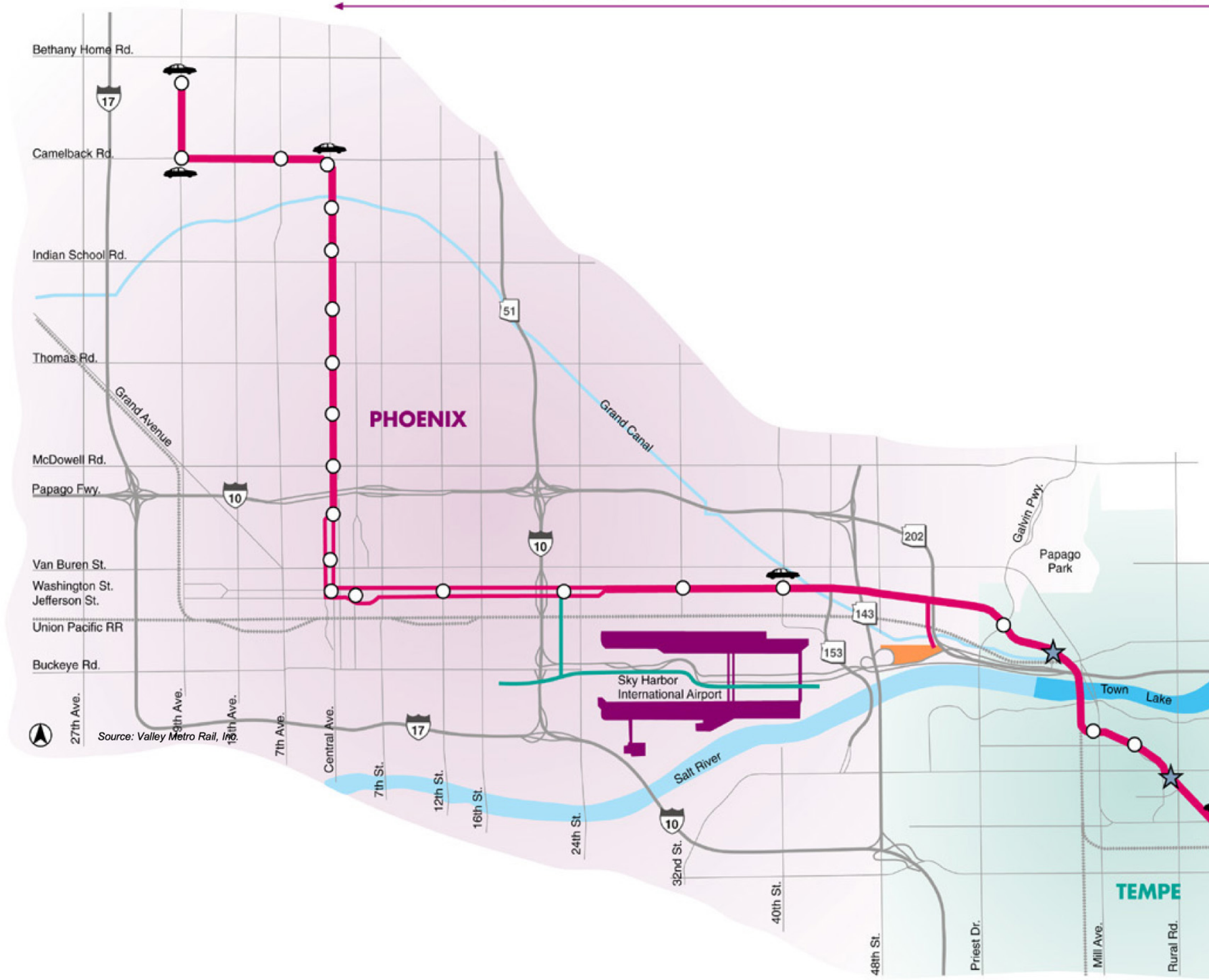
User Convenience Impacts
Existing/Projected Population

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates

N

LIGHT RAIL TRANSIT STARTER SEGMENT



Source: Valley Metro Rail, Inc.

LEGEND

- Light Rail Alignment
- Sky Harbor People Mover System
- Maintenance Facility & Storage Site
- Approved Station Location
- Approved Deferred Station
- Station Decision Pending
- Approved Park-and-Ride Location
- Proposed Park-and-Ride Location

Note: Station decisions are current as of 8-8-02.
May be subject to change with City Council decisions.

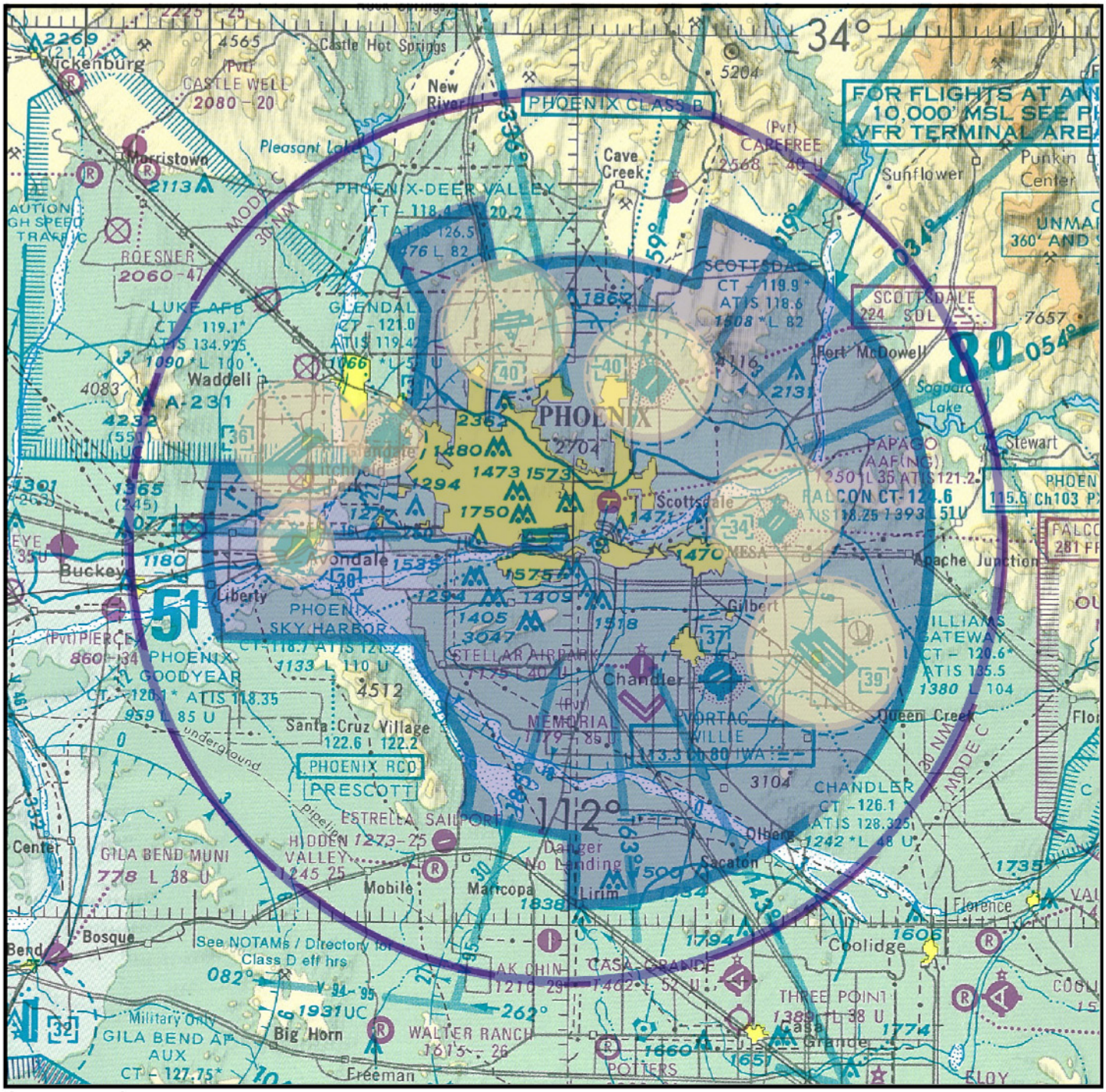
Exhibit 5.8

Proposed Light Rail Line

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates

N



Source: Phoenix Sectional Aeronautical Map
NOT TO SCALE

LEGEND

- Class B Airspace
- Class D Airspace
- Victor Airway
- Airports
- VORTAC

Exhibit 5.9

Phoenix Area Airspace

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates

N

LEGEND

- Existing Regional System Airports
- Potential New System Airports
- Existing Regional System Airspace
- Potential New System Airspace

NEW FOREPAUGH GA

WICKENBURG MUNICIPAL

NEW PEORIA GA (PLEASANT VALLEY)

NEW NORTH COMMERCIAL

SKY RANCH CAREFREE

PHOENIX - DEER VALLEY

SCOTTSDALE

NEW EAST VALLEY GA

LUKE AIR FORCE BASE

MESA FALCON FIELD

BUCKEYE MUNICIPAL

PHOENIX - GOODYEAR

PHOENIX - SKY HARBOR INTERNATIONAL

GLENDALE MUNICIPAL

NEW SUPPLEMENTAL COMMERCIAL (WILLIAMS GATEWAY)

MEMORIAL AIRFIELD

CHANDLER MUNICIPAL

NEW SOUTH VALLEY GA

STELLAR AIRPARK

ESTRELLA SAILPORT

GILA BEND MUNICIPAL

NEW RAFA COMMERCIAL

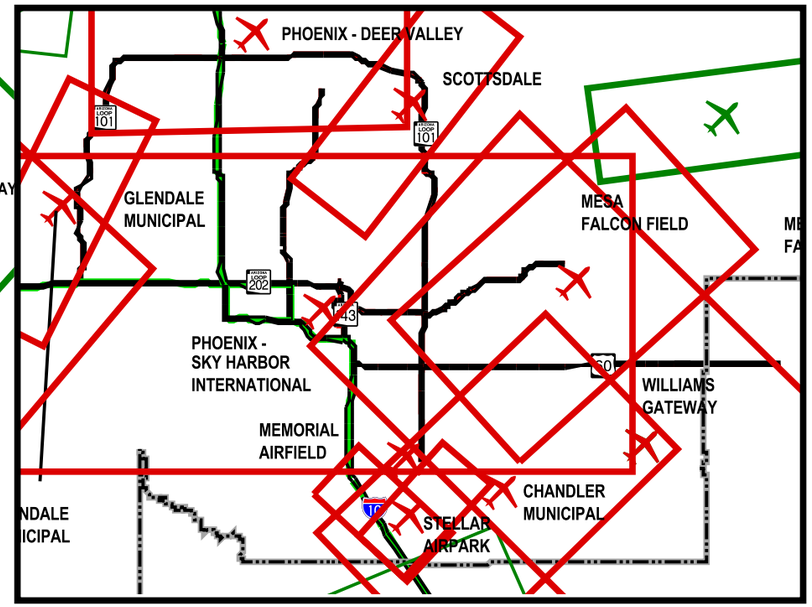


Exhibit 5.10

Traffic Pattern Airspace

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates

N

LEGEND

- Existing Regional System Airports
- Future Noise Impact Areas
- Future Noise Contours (65 DNL)

2000 Population Reporting Income Below Poverty Level

- 0 - 4%
- 5% - 9%
- 10% - 14%
- 15% - 19%
- 20% +

WICKENBURG MUNICIPAL
PLEASANT VALLEY
PHOENIX DEER VALLEY
SKY RANCH CAREFREE
SCOTTSDALE
MESA FALCON FIELD
LUKE AIR FORCE BASE
BUCKEYE MUNICIPAL
PHOENIX GOODYEAR
GLENDALE MUNICIPAL
PHOENIX SKY HARBOR INTERNATIONAL
STELLAR AIRPARK
CHANDLER MUNICIPAL
MEMORIAL AIRFIELD
WILLIAMS GATEWAY
GILA BEND MUNICIPAL
ESTRELLA SAILPORT

Exhibit 5.11

Title VI Impacts
Status Quo Alternative

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates
ENGINEERS PLANNERS ECONOMISTS

N

LEGEND

- Existing Regional System Airports
- Future Noise Impact Areas
- Future Noise Contours (65 DNL)

2000 Population Reporting Income Below Poverty Level

- 0 - 4%
- 5% - 9%
- 10% - 14%
- 15% - 19%
- 20% +

WICKENBURG MUNICIPAL
PLEASANT VALLEY
PHOENIX DEER VALLEY
SKY RANCH CAREFREE
SCOTTSDALE
MESA FALCON FIELD
LUKE AIR FORCE BASE
BUCKEYE MUNICIPAL
PHOENIX GOODYEAR
GLENDALE MUNICIPAL
PHOENIX SKY HARBOR INTERNATIONAL
STELLAR AIRPARK
CHANDLER MUNICIPAL
MEMORIAL AIRFIELD
WILLIAMS GATEWAY
ESTRELLA SAILPORT
GILA BEND MUNICIPAL

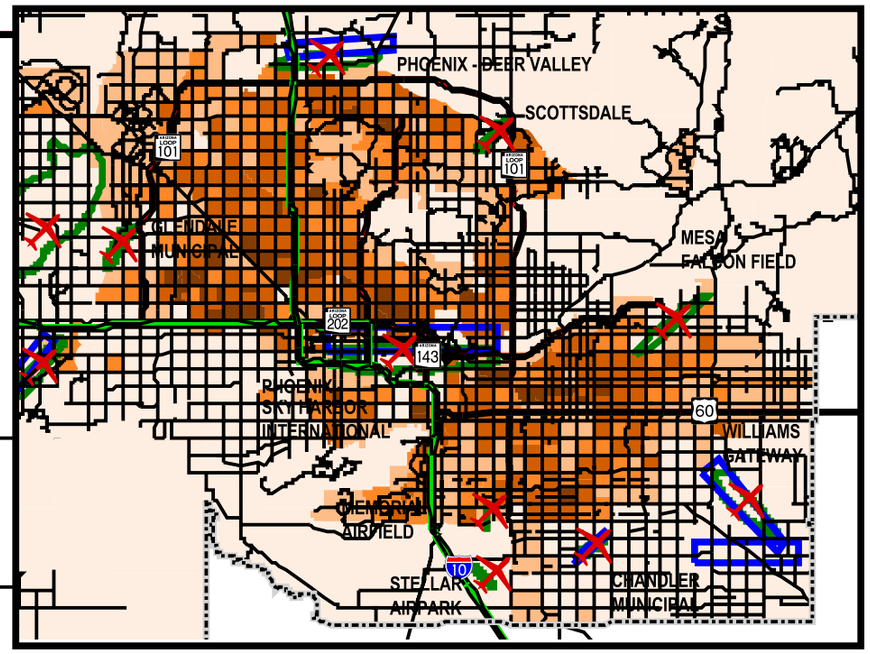


Exhibit 5.12

Title VI Impacts - Maximum Airport Development Alternative

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates
ENGINEERS PLANNERS ECONOMISTS

N

LEGEND

- Existing Regional System Airports
- Future Noise Impact Areas
- Future Noise Contours (65 DNL)

2000 Population Reporting Income Below Poverty Level

- 0 - 4%
- 5% - 9%
- 10% - 14%
- 15% - 19%
- 20% +

NEW FOREPAUGH GA
WICKENBURG MUNICIPAL
NEW NORTH COMMERCIAL
NEW PEORIA GA (PLEASANT VALLEY)
PHOENIX - DEER VALLEY
SKY RANCH CAREFREE
SCOTTSDALE
NEW EAST VALLEY GA
MESA FALCON FIELD
LUKE AIR FORCE BASE
BUCKEYE MUNICIPAL
PHOENIX - GOODYEAR
GLENDALE MUNICIPAL
PHOENIX - SKY HARBOR INTERNATIONAL
CHANDLER MUNICIPAL
MEMORIAL AIRFIELD
NEW SUPPLEMENTAL COMMERCIAL (WILLIAMS GATEWAY)
GILA BEND MUNICIPAL
ESTRELLA SAILPORT
STELLAR AIRPARK
NEW SOUTH VALLEY GA
NEW RAFA COMMERCIAL

Exhibit 5.13

Title VI Impacts - New Airport Development Alternative

MARICOPA ASSOCIATION of GOVERNMENTS

Wilbur Smith Associates — Engineers Planners Economists

N