



MAG SYSTEMS MANAGEMENT AND OPERATIONS PLAN



MARICOPA
ASSOCIATION of
GOVERNMENTS

Kimley»Horn

Expect More. Experience Better.

Background

Systems Management & Operations

Utilizing ITS Technology to Actively Manage Traffic Across Jurisdictional Boundaries

2003 RTP Investments in ITS Technology

- **Freeway Management System Expansion - \$145M**
 - Will reach 100% coverage by FY2020
- **Arterial ITS Infrastructure - \$50M**
 - All funds have been programmed for projects thru FY2019

Plan will recommend a path forward for FY2021- 2030

Study Goals

- 1. Develop a Systems Management & Operations (SM&O) Plan - to guide the region in making strategic investments to expand and support:**
 - Essential ITS infrastructure components
 - Resources needed for efficient & reliable operation of facilities critical to the regional economy
- 2. Address how the region could be better organized to support critical operations**



Interim Findings & Recommendations

Priorities for Future Investments

Tier#1



Integrated
Corridor
Management
Freeways &
Adjacent
Arterials
Infra\$tr.

Tier#2



Regional
Priority
Arterial
Corridors
Infra\$tr.

Tier#3



Local
Arterial
Corridors
Infra\$tr.

Tier#4

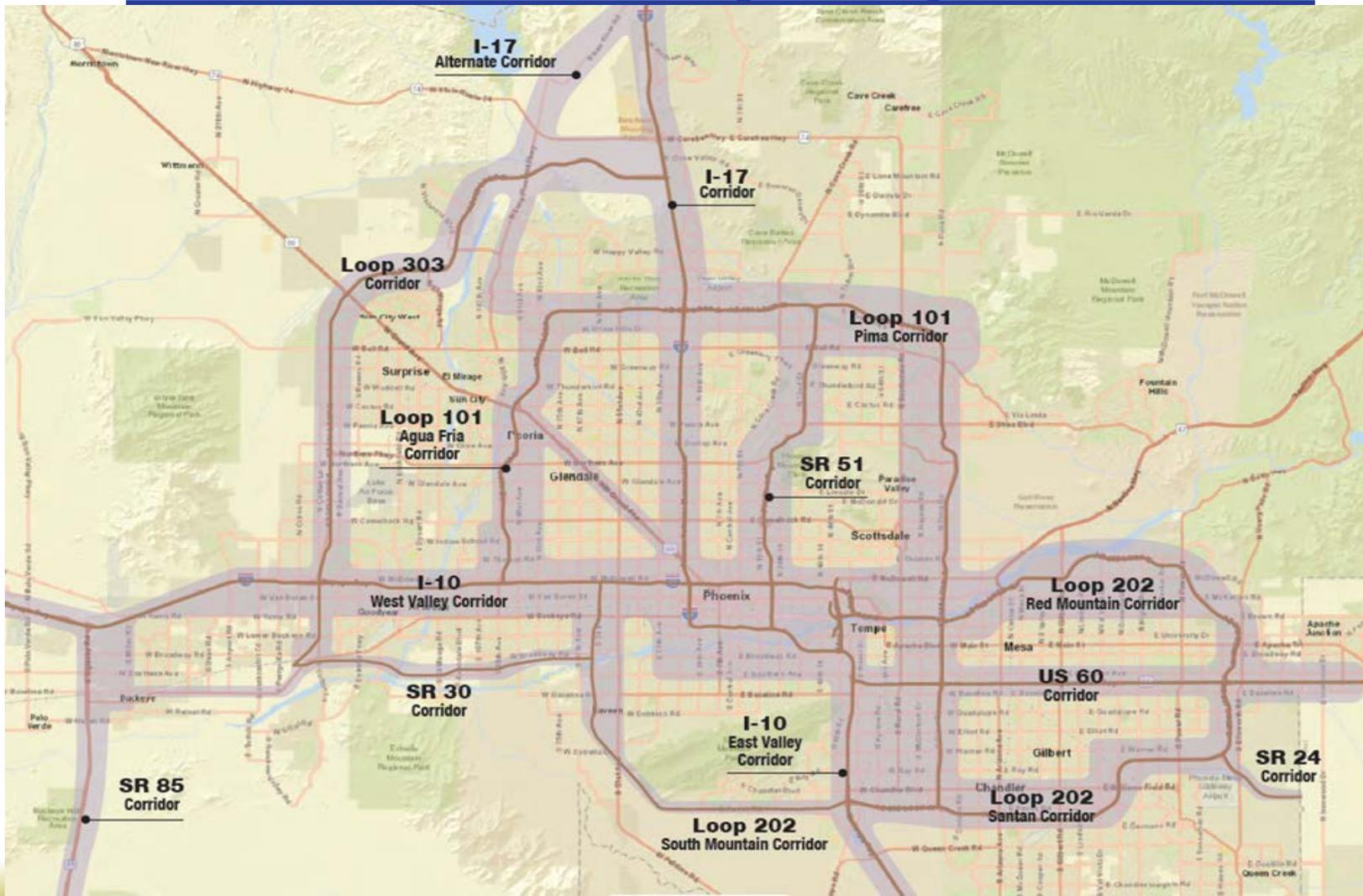


Enhanced
Operations &
Management
on Key
Facilities
Operation\$



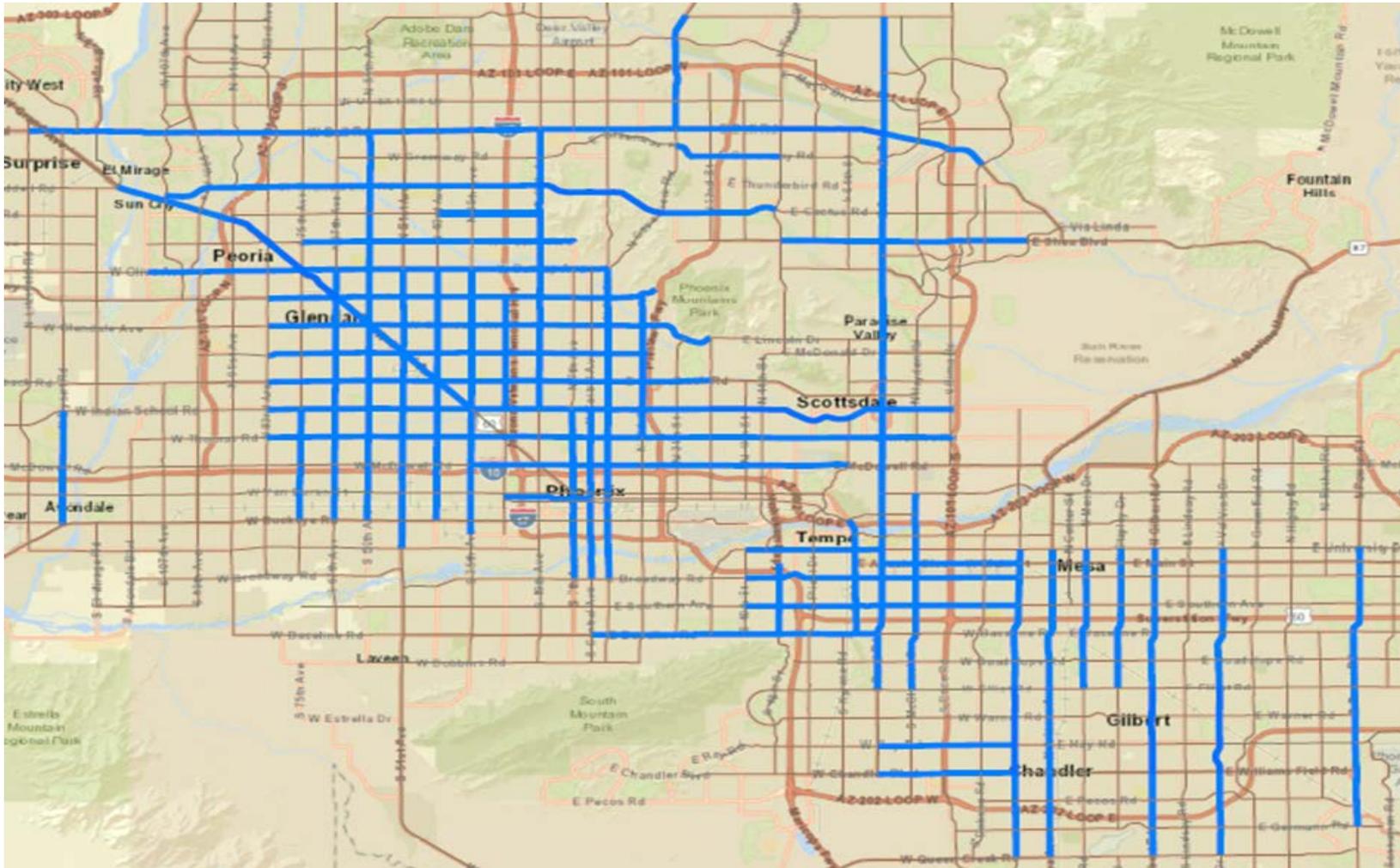
Interim Findings & Recommendations

ICM Corridors = Freeways + Adjacent Arterials



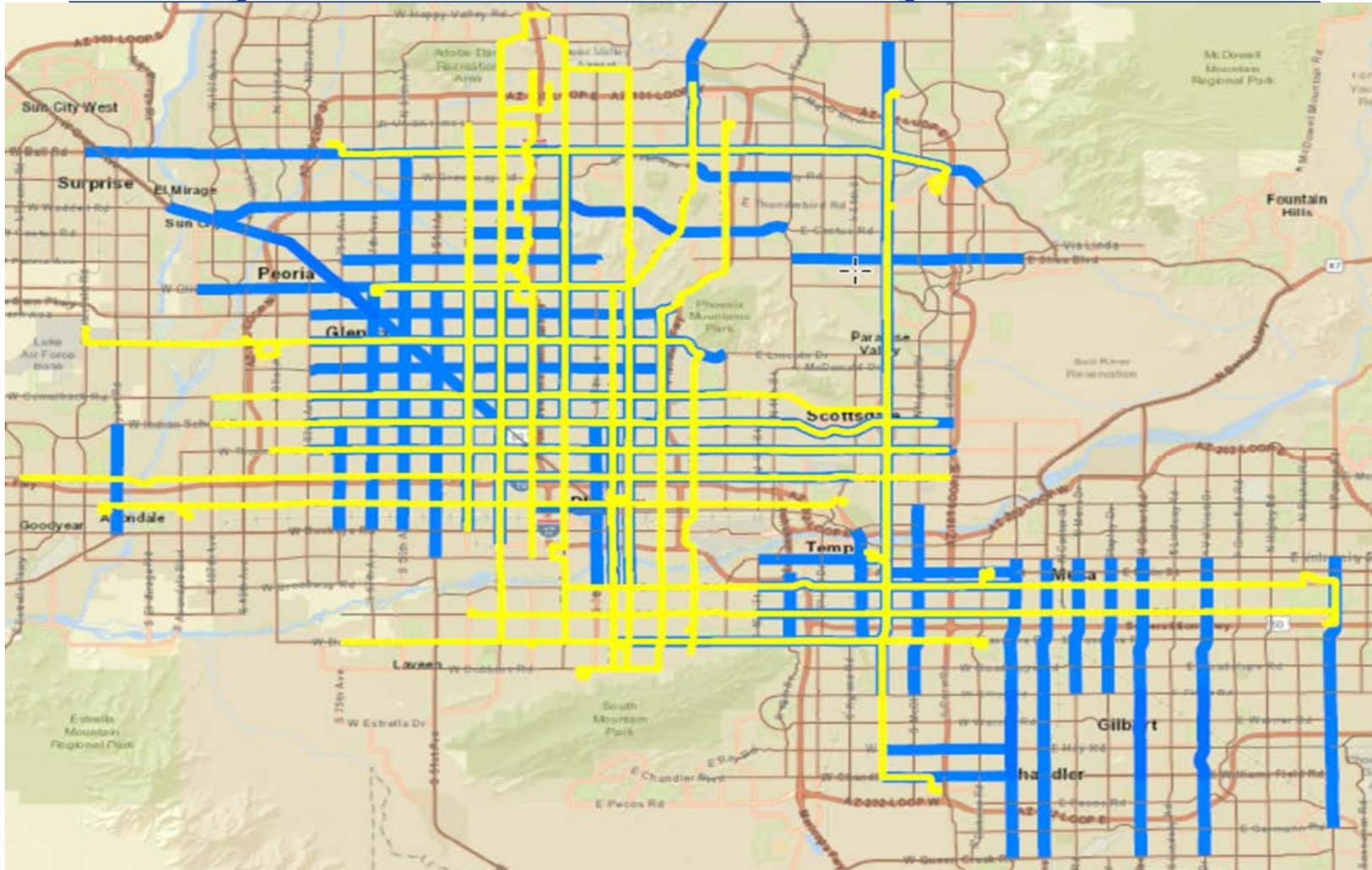


Interim Findings & Recommendations Priority Arterial Corridors



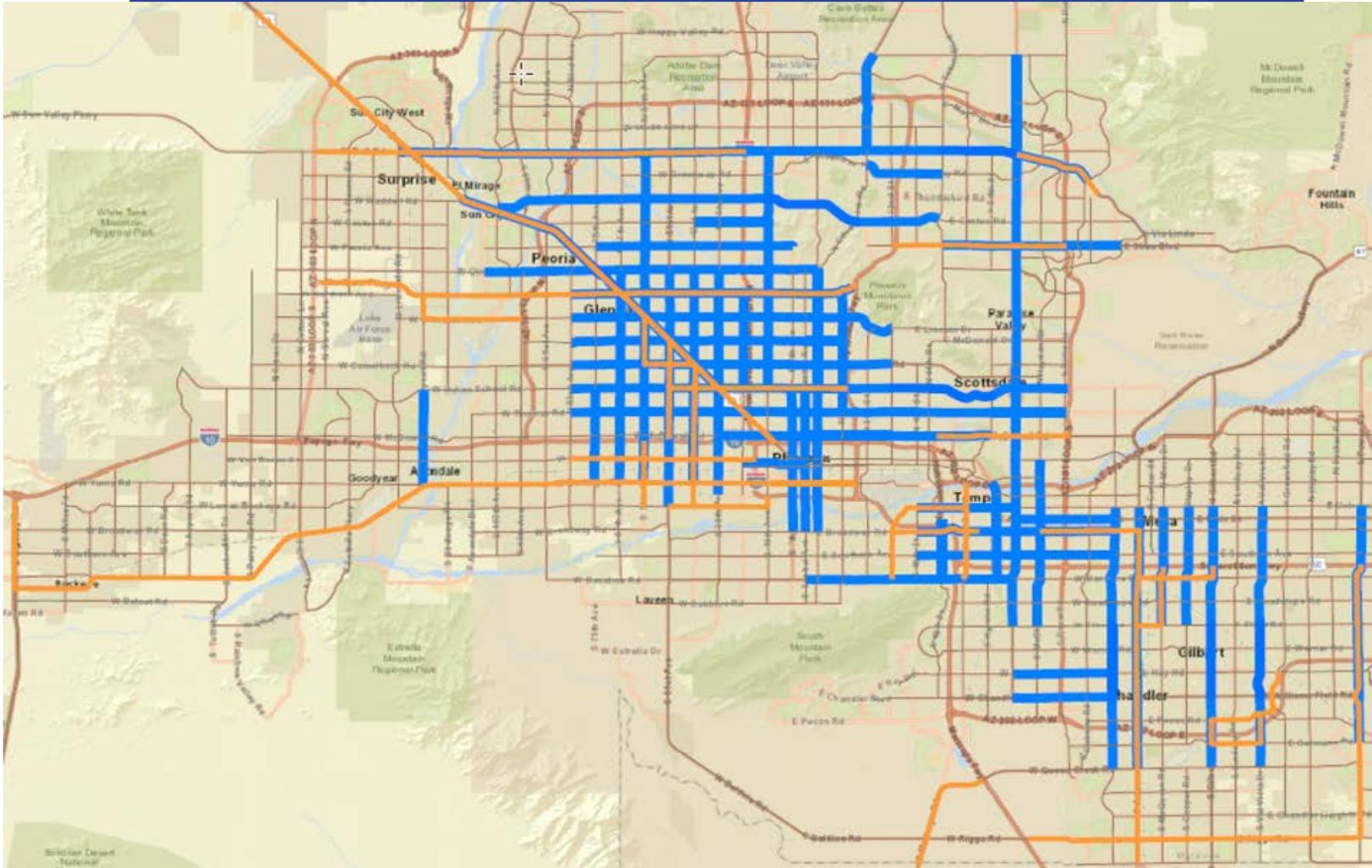


Interim Findings & Recommendations Priority Arterial Corridors & Busy Transit Routes





Interim Findings & Recommendations Priority Arterial Corridors & Freight Corridors





Interim Findings & Recommendations

Regional Operations Priorities



- Enhanced Transportation Operations & Management on Key Regional Facilities

Examples:

- *Co-location of DPS at the ADOT TOC & Freeway Service Patrol*
- *3 or 4 Sub-Regional Traffic Management Centers*
- *Manage major traffic incidents across the MAG region 24/7*



Next Steps

- **Implementation Plan**
 - Recommended Projects for FY2021-FY2030
 - Implementation Cost Estimates
 - TIP Programming Process for SM&O Projects
- **Data Collection & Performance Measurement Processes**
- **Framework for Annual SM&O Performance Review**
- **Final Report & Executive Summary - Nov 2017**



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