Valley Project Management Process

- General
  - Mission
  - Organization
  - Corridor Assignments
- Regional Freeway System to Regional Transportation Plan
- Development
  - Management Consultant Process
  - Public Relations Firms
  - Project Development
  - Change Management Process
  - Scoping
  - Material Change
  - Enhancement Policy

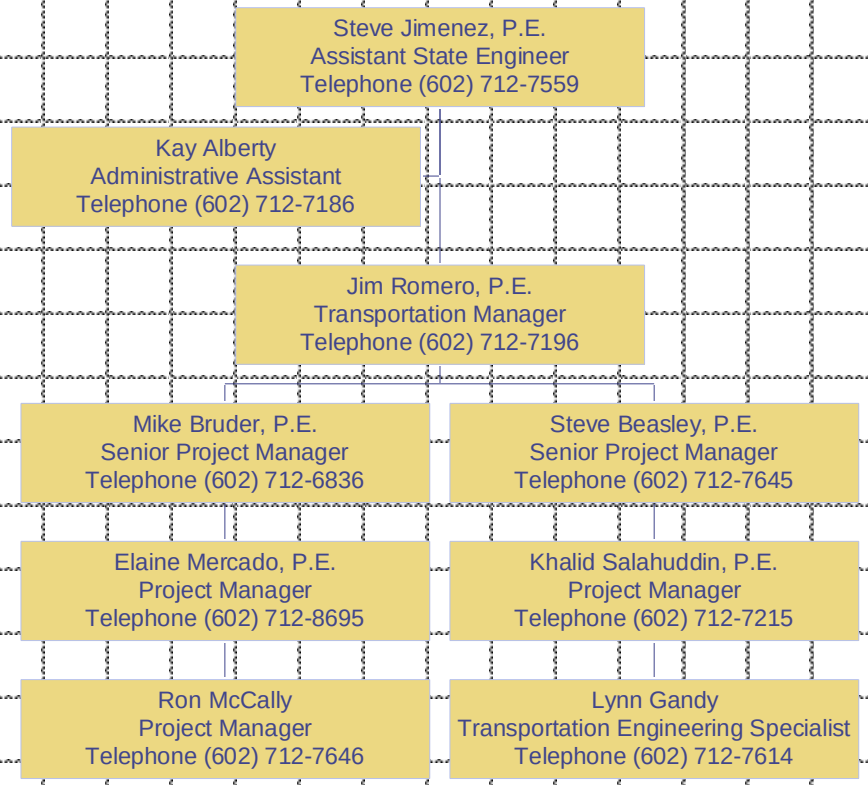
Valley Project Management Mission Statement

Mission: "To provide a safe and efficient transportation system that meets the needs of our customers through the planning and programming of the MAG Regional Transportation Plan and by providing quality project management services that deliver this Regional Transportation Plan and other Phoenix area projects."

How do we accomplish our mission?

- By determining and maintaining project scope, schedules and budgets from scoping through construction and maintenance.
- Through team building with ADOT and non-ADOT stakeholders.
- By developing and administering consultant contracts and sustaining communication throughout project phases with all interested parties.

Valley Project Management Organizational Chart



Valley Project Management Corridor Assignments

Jim Romero

Transportation Manager

- I-10 Maricopa Freeway
  - Corridor Improvement Study
- SR 143 Hohokam Freeway
- SR 202 L Santan Freeway
  - Baseline to Dobson
- Williams Gateway

Valley Project Management Corridor Assignments

Steve Beasley

Senior Project Manager

- I-17 Black Canyon Freeway - (Phoenix District)
- SR 202L Red Mountain Freeway
  - University to Southern
- SR 303L Estrella Freeway

Valley Project Management Corridor Assignments

Mike Bruder
Senior Project Manager

- SR 101L Price Freeway
- SR 202L South Mountain Freeway
- SR 202L Red Mountain Freeway
  - Power Road to University Drive

Valley Project Management Corridor Assignments

Elaine Mercado

Project Manager

- I-10 Papago Freeway (West of SR 51)
- SR 202L Red Mountain Freeway
  - Except Power through Southern Sections

Valley Project Management Corridor Assignments

Khalid Salahuddin

Project Manager

- US 60 Grand Avenue (SR 303L to I-17)
- US 60 Superstition Freeway
- SR 202L Santan
  - Landscaping

Valley Project Management Corridor Assignments

Ron McCally

Project Manager

- SR 51
- SR 101L Agua Fria and Pima Freeways
- SR 153 Sky Harbor Freeway
- SR 202L Santan Freeway
  - Dobson to I-10
  - Price/Santan TI
  - I-10 Wildhorse Pass TI

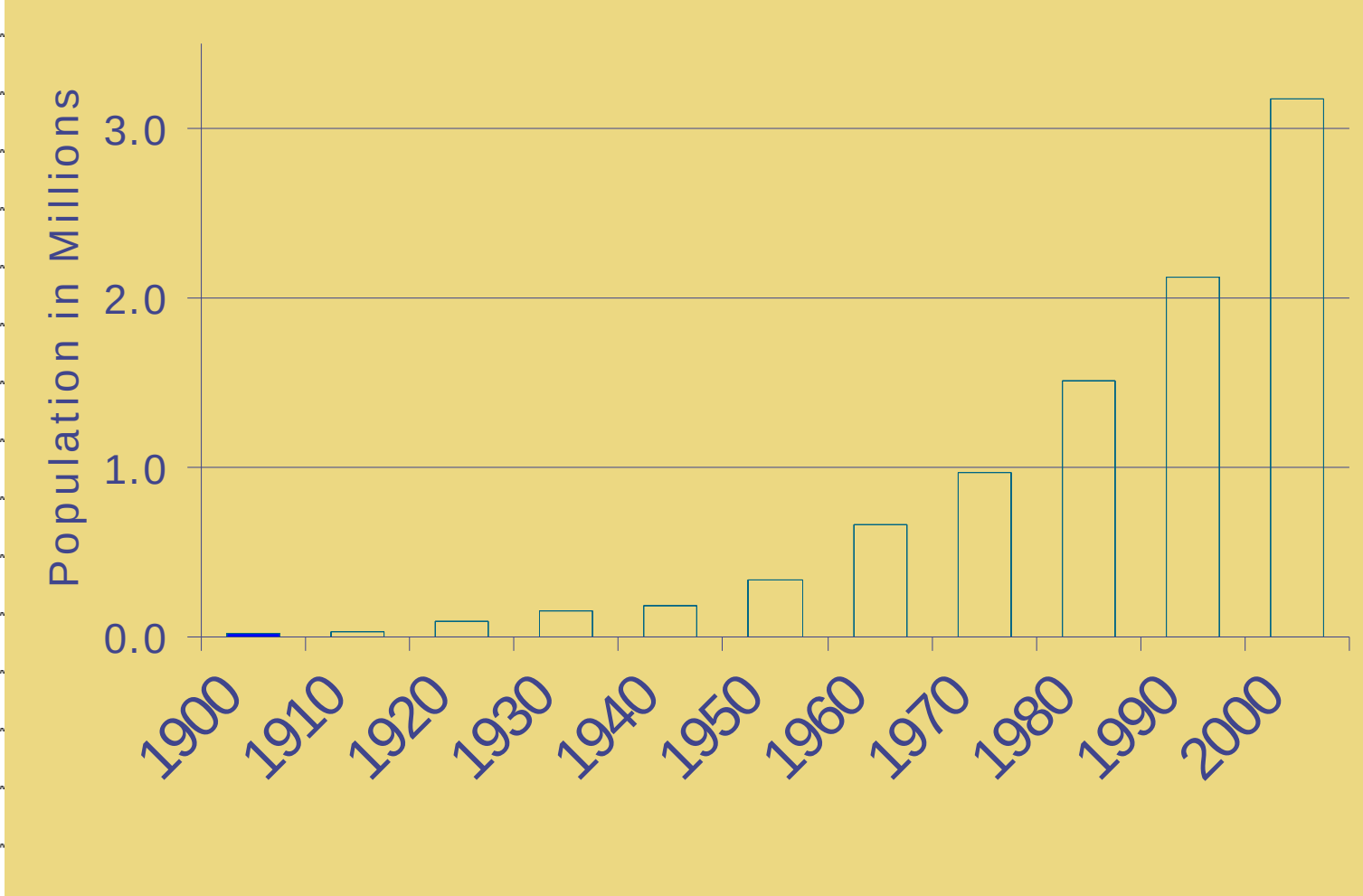
Regional Transportation Plan

REGIONAL TRANSPORTATION PLAN

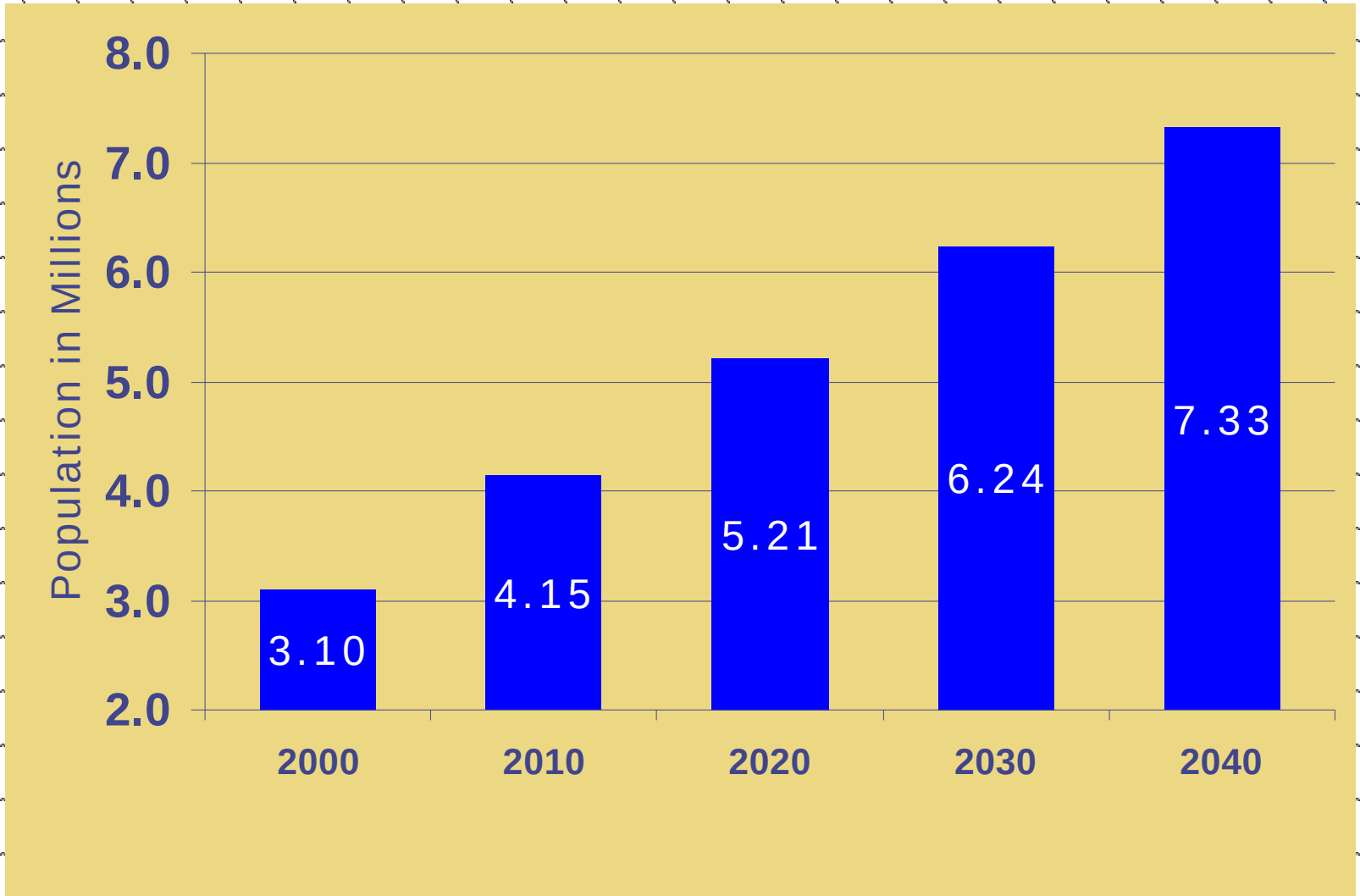
Let's Keep Moving!

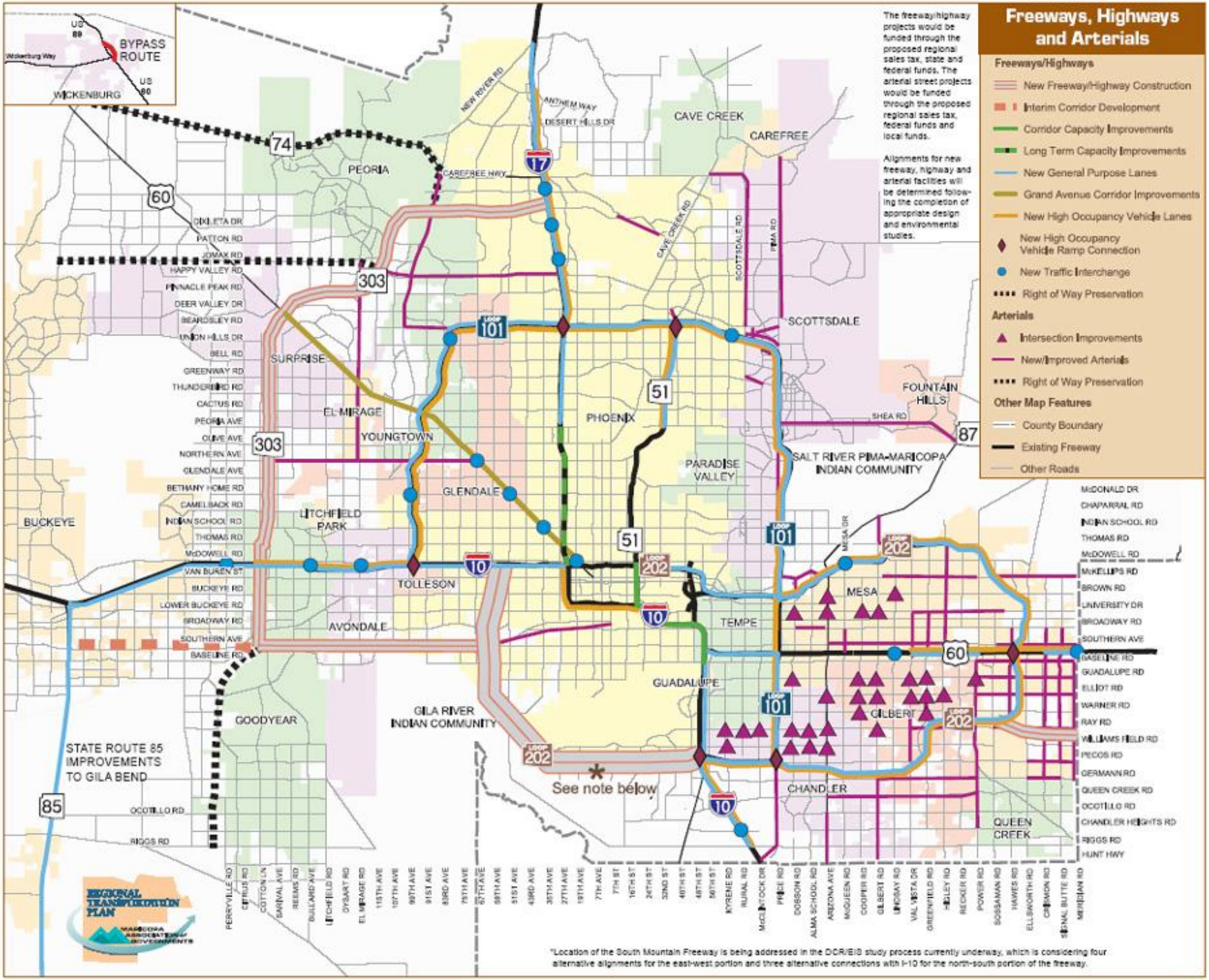
MARICOPA ASSOCIATION of GOVERNMENTS

Maricopa County's population grew by about 45% each decade since 1960



The region will continue to grow.




Freeways, Highways and Arterials
The freeway/highway projects would be funded through the proposed regional sales tax, state and federal funds. The arterial street projects would be funded through the proposed regional sales tax, federal funds and local funds.
Alignments for new freeway, highway and arterial facilities will be determined following the completion of appropriate design and environmental studies.
Freeways/Highways
New Freeway/Highway Construction
Interim Corridor Development
Corridor Capacity Improvements
Long Term Capacity Improvements
New General Purpose Lanes
Grand Avenue Corridor Improvements
New High Occupancy Vehicle Lanes
New High Occupancy Vehicle Ramp Connection
New Traffic Interchange
Right of Way Preservation
Arterials
Intersection Improvements
New/Improved Arterials
Right of Way Preservation
Other Map Features
County Boundary
Existing Freeway
Other Roads
BYPASS ROUTE
WICKENBURG
PEORIA
CAVE CREEK
CAREFREE
SCOTTSDALE
FOUNTAIN HILLS
SURPRISE
EL MIRAGE
YOUNGTOWN
PHOENIX
PARADISE VALLEY
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
GLENDALE
LITCHFIELD PARK
BUCKEYE
TOLLESON
AVONDALE
TEMPE
MESA
GUADALUPE
GILBERT
GOODYEAR
GILA RIVER INDIAN COMMUNITY
CHANDLER
QUEEN CREEK
STATE ROUTE 85 IMPROVEMENTS TO GILA BEND
See note below
REGIONAL TRANSPORTATION PLAN
MARICOPA ASSOCIATION OF GOVERNMENTS
*Location of the South Mountain Freeway is being addressed in the DCR/EIS study process currently underway, which is considering four alternative alignments for the east-west portion and three alternative connections with I-10 for the north-south portion of the freeway.

Phasing Factors

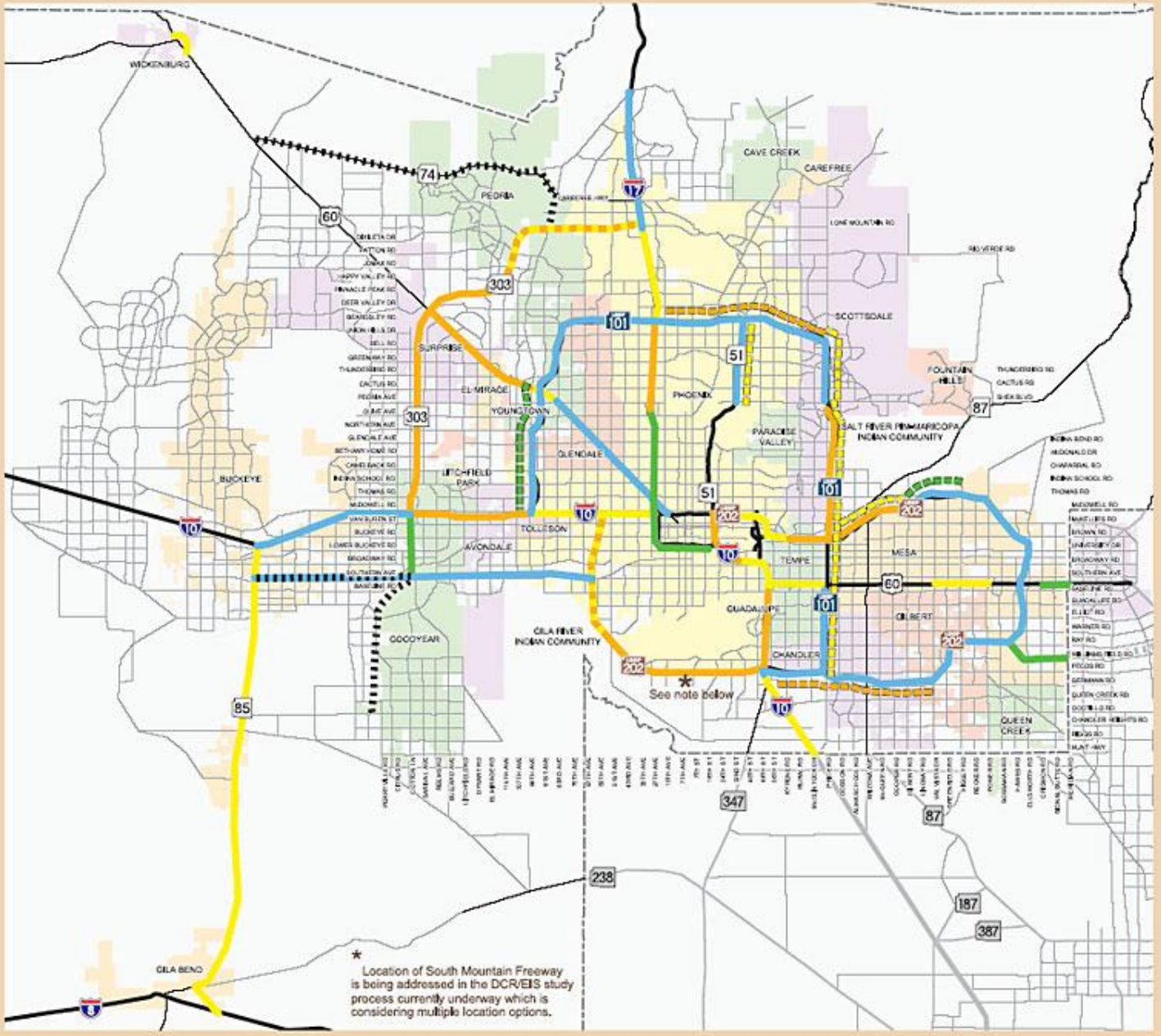
- Traffic Demand and Congestion
- System Continuity
- Revenue Availability
- Bonding Capacity and Strategies
- Project Cost
- Project Development Process
- Project Readiness
- Concurrent Progress on Multiple Projects

Regional Transportation Plan

Fig 8-4

REGIONAL TRANSPORTATION PLAN

MARICOPA ASSOCIATION of GOVERNMENTS



Plan Phasing Freeways/Highways

- Phase 1 (FY 2005 - FY 2010)
- Phase 2 (FY 2011 - FY 2015)
- Phase 3 (FY 2016 - FY 2020)
- Phase 4 (FY 2021 - FY 2026)
- Right of Way Preservation Phase 1 - 4
- Future Corridor
- County Boundary
- Freeways
- Highways
- Other Roads

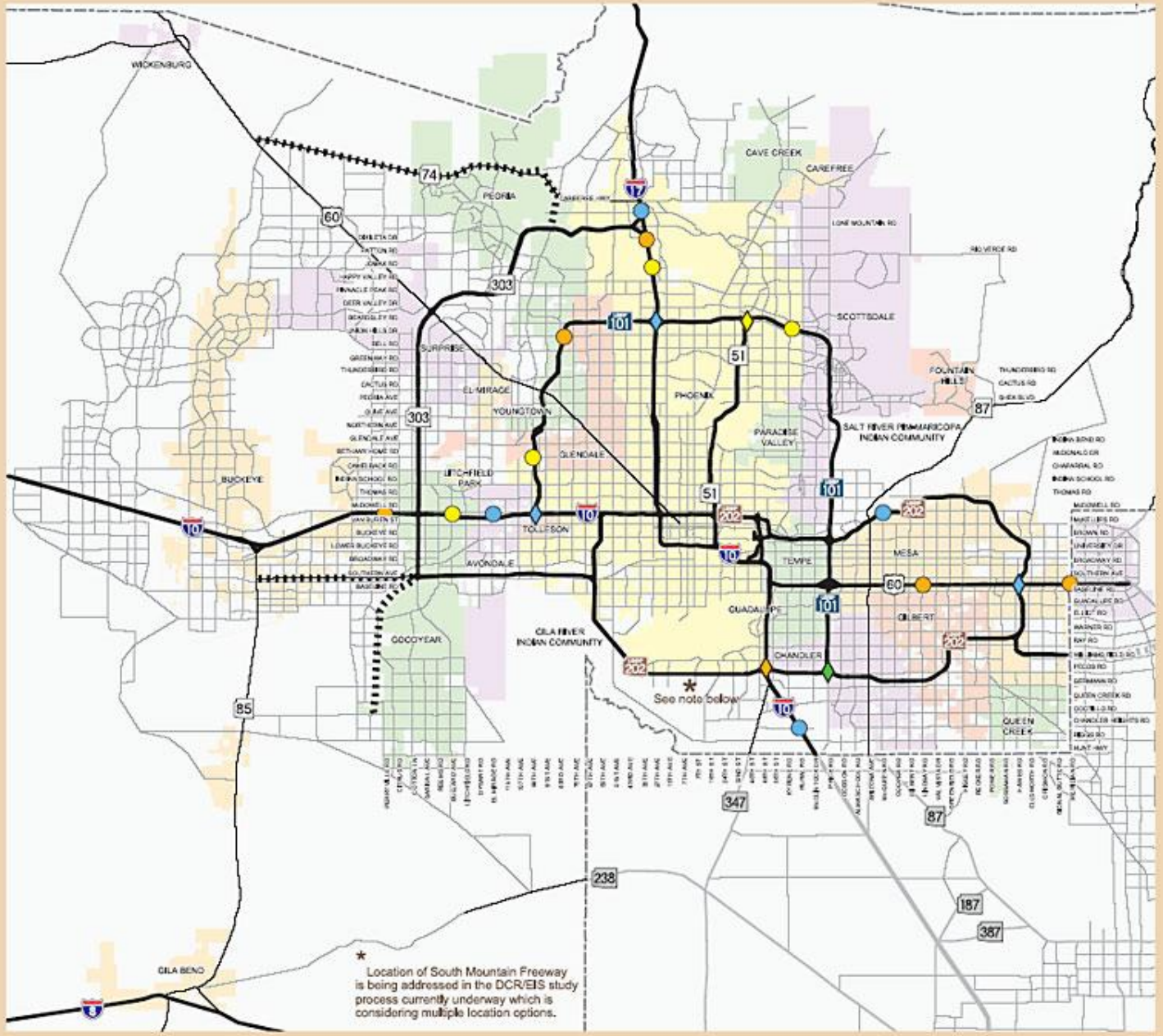
Dashed lines represent HOV lane phasing where different from General Purpose lane phasing

Regional Transportation Plan

Fig. 8-5

REGIONAL TRANSPORTATION PLAN

MARICOPA ASSOCIATION of GOVERNMENTS



Plan Phasing New Interchanges and HOV Ramp Connections

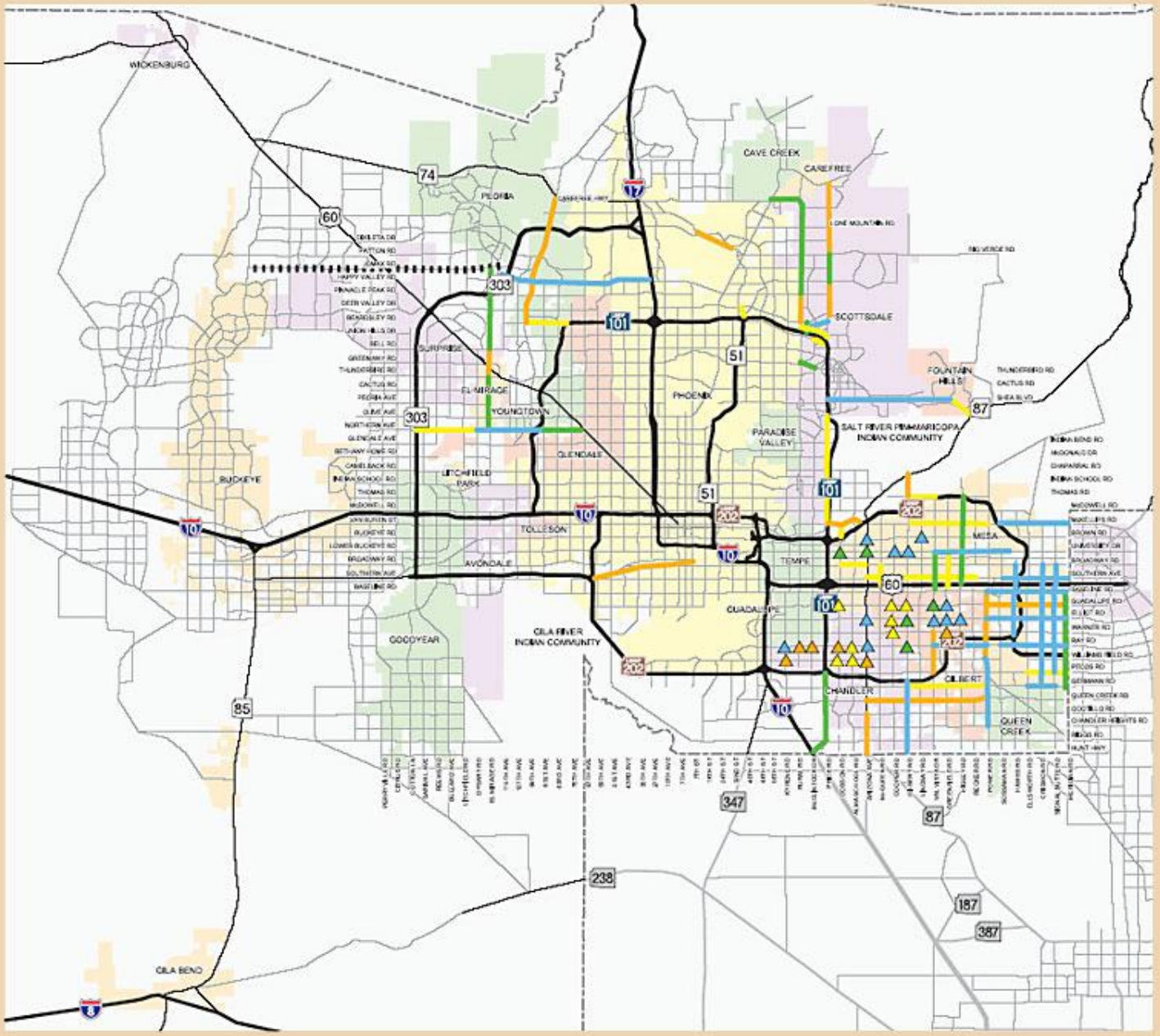
- New Traffic Interchange
- New System HOV Ramp Connections
- Phase 1 (FY 2005 - FY 2010)
- Phase 2 (FY 2011 - FY 2015)
- Phase 3 (FY 2016 - FY 2020)
- Phase 4 (FY 2021 - FY 2026)
- Right of Way Preservation
- Future Corridor
- County Boundary
- Freeways
- Highways
- Other Roads

Regional Transportation Plan

Fig. 9-4

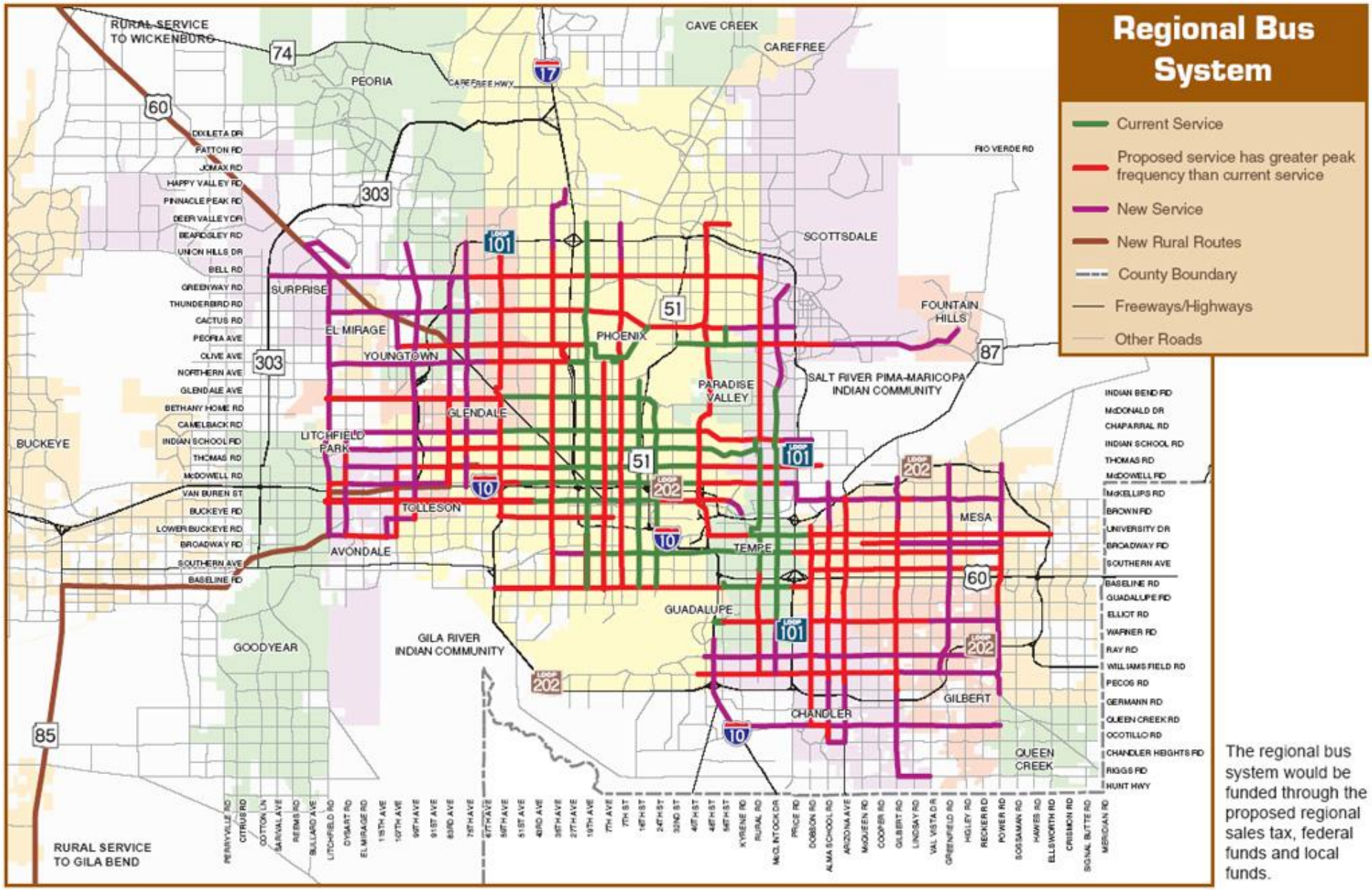
REGIONAL TRANSPORTATION PLAN

MARICOPA ASSOCIATION of GOVERNMENTS

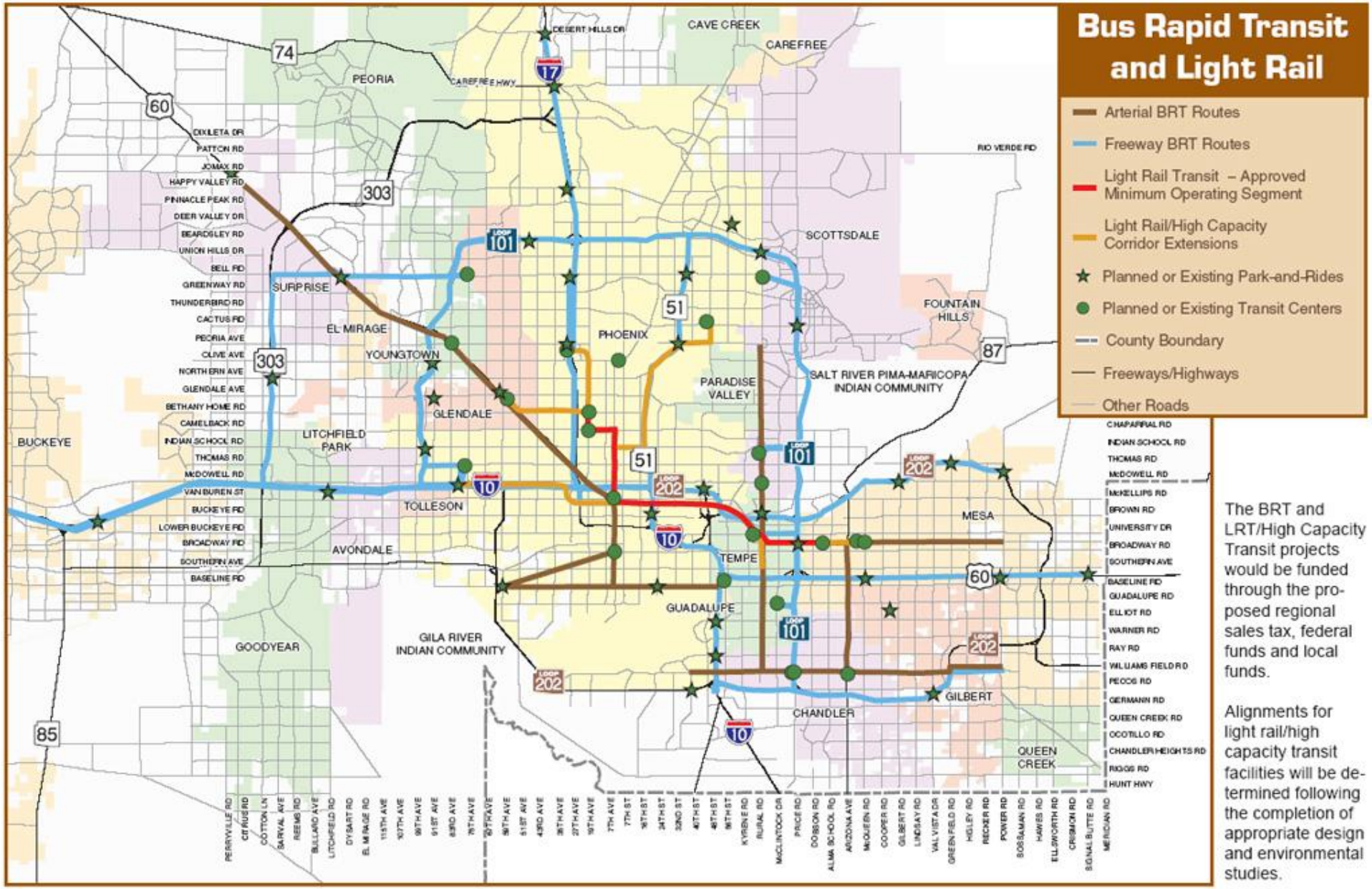


Plan Phasing New/Improved Arterials

- Improved Intersections
- New/Improved Arterials
- Phase 1 (FY 2005 - FY 2010)
- Phase 2 (FY 2011 - FY 2015)
- Phase 3 (FY 2016 - FY 2020)
- Phase 4 (FY 2021 - FY 2026)
- Right of Way Preservation
- County Boundary
- Freeways
- Highways
- Other Roads



The regional bus system would be funded through the proposed regional sales tax, federal funds and local funds.



The BRT and LRT/High Capacity Transit projects would be funded through the proposed regional sales tax, federal funds and local funds.

Alignments for light rail/high capacity transit facilities will be determined following the completion of appropriate design and environmental studies.

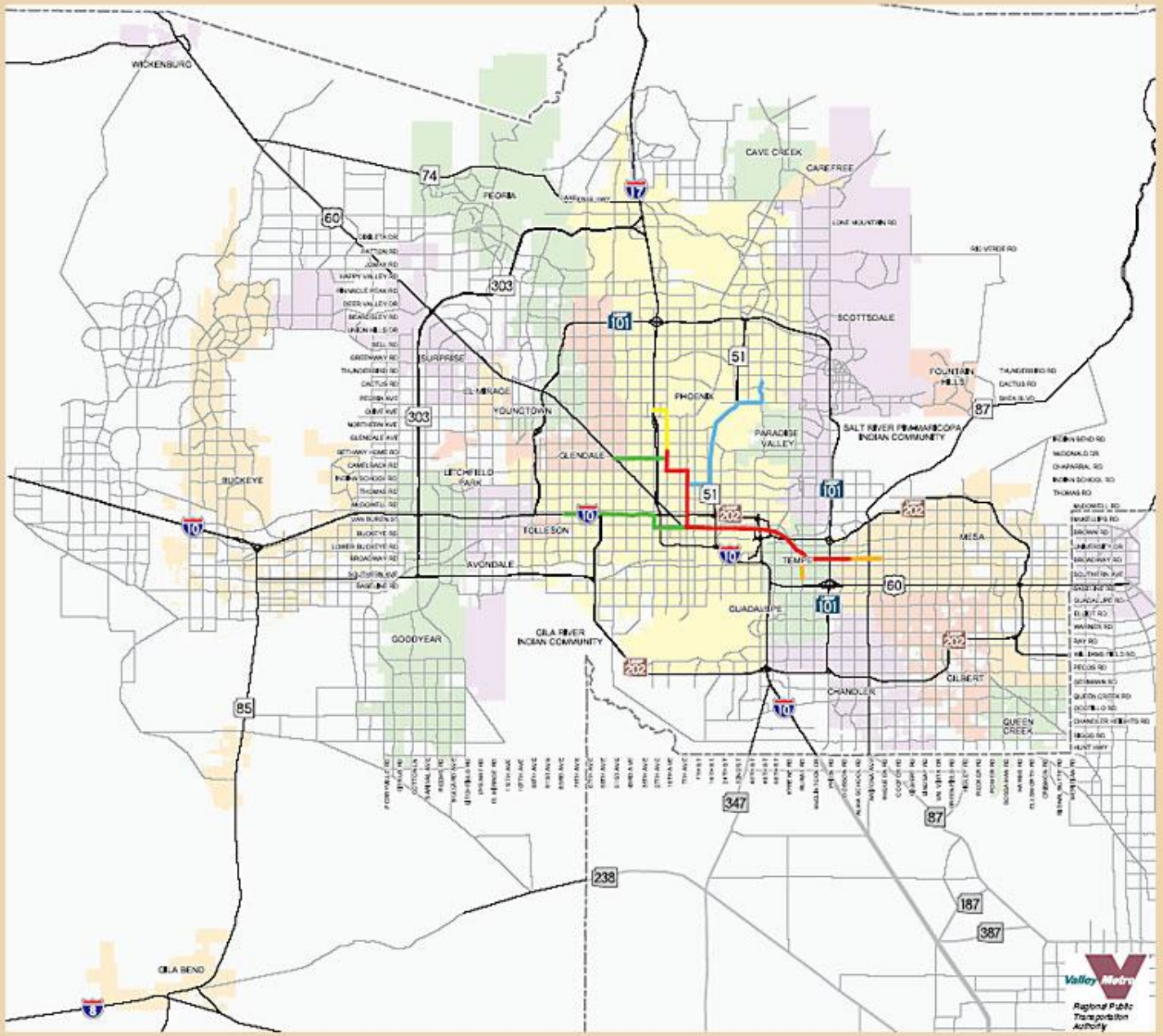
Regional Transportation Plan

Fig. 10-7

REGIONAL TRANSPORTATION PLAN

MARICOPA ASSOCIATION of GOVERNMENTS

Identified High Capacity Corridors Plan Phasing



Phase 1 (FY 2005 - FY 2010)

Phase 2 (FY 2011 - FY 2015)

Phase 3 (FY 2016 - FY 2020)

Phase 4 (FY 2021 - FY 2026)

Phoenix Minimum Operating Segment

County Boundary

Freeways/Highways

Other Roads

0 5 10 Miles

N

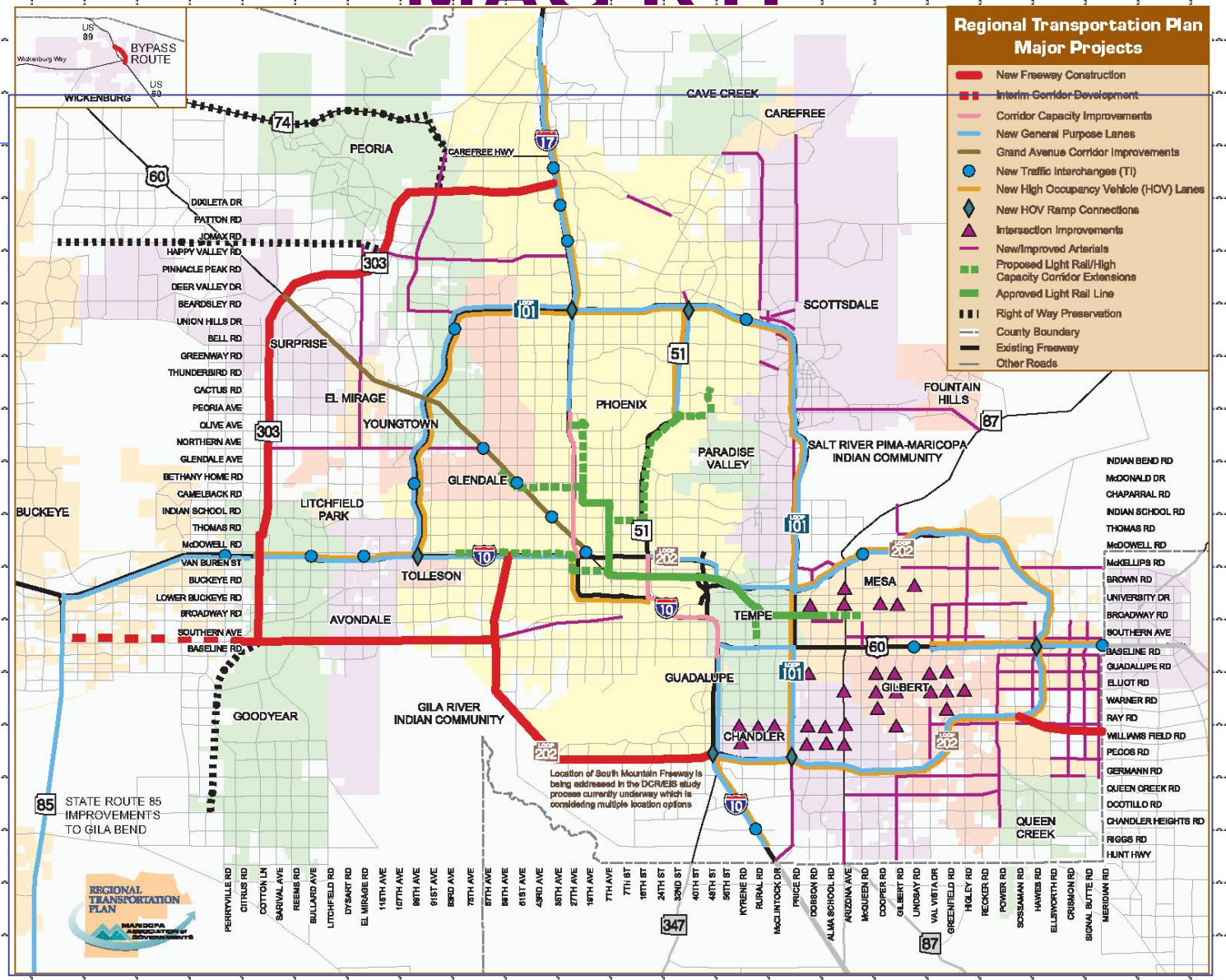
Economic Benefits

- A strong economy is dependent on a good transportation system.
  - Congestion costs time and money.
  - Transportation = jobs.
  - Cities with a substantial commitment to sustainable transportation do better economically.
  - The Plan represents four times the original investment in the Central Arizona Project.
  - Generates 10,600 jobs annually.
  - Industry output will increase $1.3 billion per year ($27.6 billion over life of Plan).

Accountability & Oversight

- Firewalls established.
- Life Cycle Program implemented for freeways, transit & streets.
- Material cost change and enhancement policies continue.
- Highway acceleration policy expanded for use by street projects.
- Independent audit every five years.
- Major changes require a strict amendment process.
- Citizens Transportation Oversight Committee will monitor the Plan.

MAG RTP


Regional Transportation Plan
Major Projects
New Freeway Construction
Interim Corridor Development
Corridor Capacity Improvements
New General Purpose Lanes
Grand Avenue Corridor Improvements
New Traffic Interchanges (TI)
New High Occupancy Vehicle (HOV) Lanes
New HOV Ramp Connections
Intersection Improvements
New/Improved Arterials
Proposed Light Rail/High Capacity Corridor Extensions
Approved Light Rail Line
Right of Way Preservation
County Boundary
Existing Freeway
Other Roads
BYPASS ROUTE
US 89
Wickenburg Way
US 60
WICKENBURG
CAVE CREEK
CAREFREE
PEORIA
CAREFREE HWY
SCOTTSDALE
SURPRISE
EL MIRAGE
YOUNGTOWN
PHOENIX
PARADISE VALLEY
FOUNTAIN HILLS
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
BUCKEYE
LITCHFIELD PARK
GLENDALE
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CHANDLER
QUEEN CREEK
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REGIONAL TRANSPORTATION PLAN
MARICOPA ASSOCIATION of GOVERNMENTS
DOLETA DR
PATTON RD
JOMAX RD
HAPPY VALLEY RD
PINNACLE PEAK RD
DEER VALLEY DR
BEARDSLEY RD
UNION HILLS DR
BELL RD
GREENWAY RD
THUNDERBIRD RD
CACTUS RD
PEORIA AVE
OLIVE AVE
NORTHERN AVE
GLENDALE AVE
BETHANY HOME RD
CAMELBACK RD
INDIAN SCHOOL RD
THOMAS RD
McDOWELL RD
VAN BUREN ST
BUCKEYE RD
LOWER BUCKEYE RD
BROADWAY RD
SOUTHERN AVE
BASELINE RD
INDIAN BEND RD
McDONALD DR
CHAPARRAL RD
INDIAN SCHOOL RD
THOMAS RD
McDOWELL RD
McKELLIPS RD
BROWN RD
UNIVERSITY DR
BROADWAY RD
SOUTHERN AVE
BASELINE RD
GUADALUPE RD
ELLIOT RD
WARNER RD
RAY RD
WILLIAMS FIELD RD
PECOS RD
GERMANN RD
QUEEN CREEK RD
OCOTILLO RD
CHANDLER HEIGHTS RD
RIGGS RD
HUNT HWY
PERRYVILLE RD
CITRUS RD
COTTON LN
SARIVAL AVE
REEMS RD
BULLARD AVE
LITCHFIELD RD
DYSART RD
EL MIRAGE RD
115TH AVE
107TH AVE
99TH AVE
91ST AVE
83RD AVE
75TH AVE
67TH AVE
59TH AVE
51ST AVE
43RD AVE
35TH AVE
27TH AVE
19TH AVE
7TH AVE
7TH ST
16TH ST
24TH ST
32ND ST
40TH ST
48TH ST
56TH ST
KYRENE RD
RURAL RD
McCLINTOCK DR
PRICE RD
DOBSON RD
ALMA SCHOOL RD
ARIZONA AVE
McQUEEN RD
COOPER RD
GILBERT RD
LINDSAY RD
VAL VISTA DR
GREENFIELD RD
HIGLEY RD
RECKER RD
POWER RD
SOSSAMAN RD
HAWES RD
ELLSWORTH RD
CRISMON RD
SIGNAL BUTTE RD
MERIDIAN RD
74
60
303
17
101
51
10
202
87
85
347

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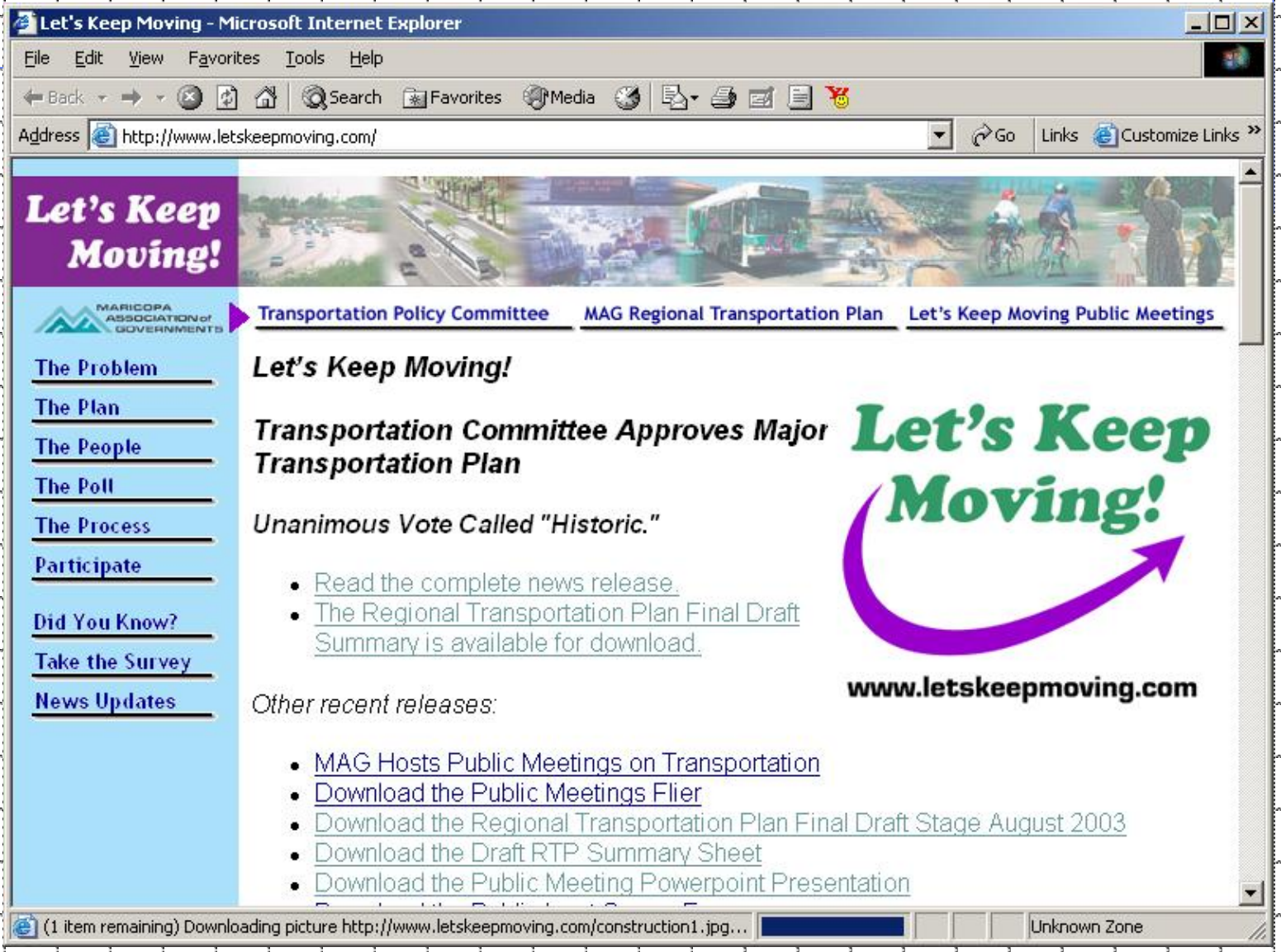


Valley Project Management

Management Consultant Role

- Assist VPM in corridor and program management
  - Prepare scoping documents
  - Prepare environmental document
- Prepare General Plan (30% design)

Valley Project Management

Jim Romero & DMJM

Southeast Valley & MC+

- I-10 Maricopa (East of SR 51)
  - Santan Freeway
  - Williams Gateway
  - Superstition Freeway
  - Red Mountain Freeway
  - Program Management

Valley Project Management

Steve Beasley & PBQD

Northwest Valley

- I-17
- Loop 303
- Grand Avenue

Valley Project Management

Mike Bruder & HDR

Southwest Valley

- I-10 Reliever (SR 801)
- I-10 Papago (West of SR 51)
- South Mountain (Loop 202)

Valley Project Management

Public Relations Firms

- Northwest Valley – Engineering Alliance
- Central - SR Beard & Associates
- Southwest Valley – Policy Development Group
- Southeast Valley – Partners for Strategic Action
- Public involvement, government relations, public & media relations

Valley Project Management

Project Development Process

- Scoping
- General Plan Development (30%)
- Final Design
- Construction Support

Valley Project Management

Scoping

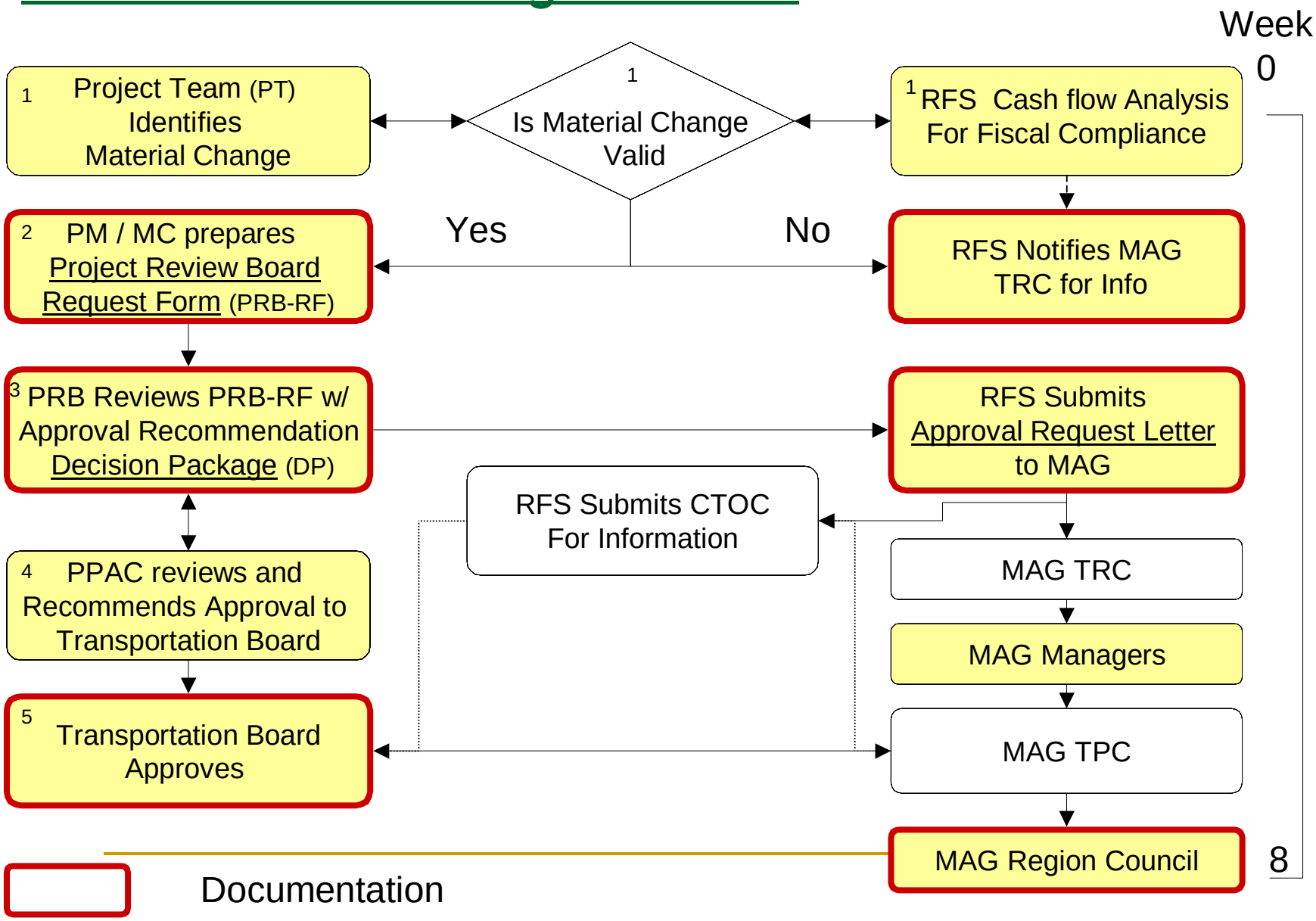
- VPM not typically directly involved
  - Pre-Design function
- VPM involved during RTP start-up
  - KEY:
- Establish Date of Public Knowledge

Valley Project Management

Change Management Process

- Material Change & Enhancement Policy
- ADOT – Project Review Board, Priority Planning Advisory Committee, Sate Transportation Board
- MAG – Transportation Review Committee, Management Committee, Transportation Policy Committee, Regional Council

RTP Material Change Process



Valley Project Management

Material Cost Change

- Budget increase greater than 5%, but not less than than $500,000
- Any increase greater than $2.5 million

Valley Project Management

Material Scope Change

- Mile change in project limit
- Horizontal alignment outside adopted corridor requiring environmental update
- Profile classification change
- Change in interchange location
- New projects

Valley Project Management

Material Schedule Change

- Start of design, right of way or construction that changes a project completion by 3 months
- Project completion (open to traffic) beyond the year shown on latest Certification Map

Valley Project Management

- Enhancement Policy
- "An addition, substitution or modification that exceeds generally accepted engineering or design standards…"
  - Requesting agency responsible for cost differential
  - Requesting agency responsible for maintenance
- Agreements through Joint Project Agreement (JPA)

Q & A

- How do you define scoping? Can scope changes occur throughout the development of a project?
- What does VPM feel the advantages are to having the environmental consultant as part of the prime engineering firm contract rather than using an EEG on-call consultant?