

STATEWIDE RE/PM MEETING

MAG Program Changes and Development Issues Discussion

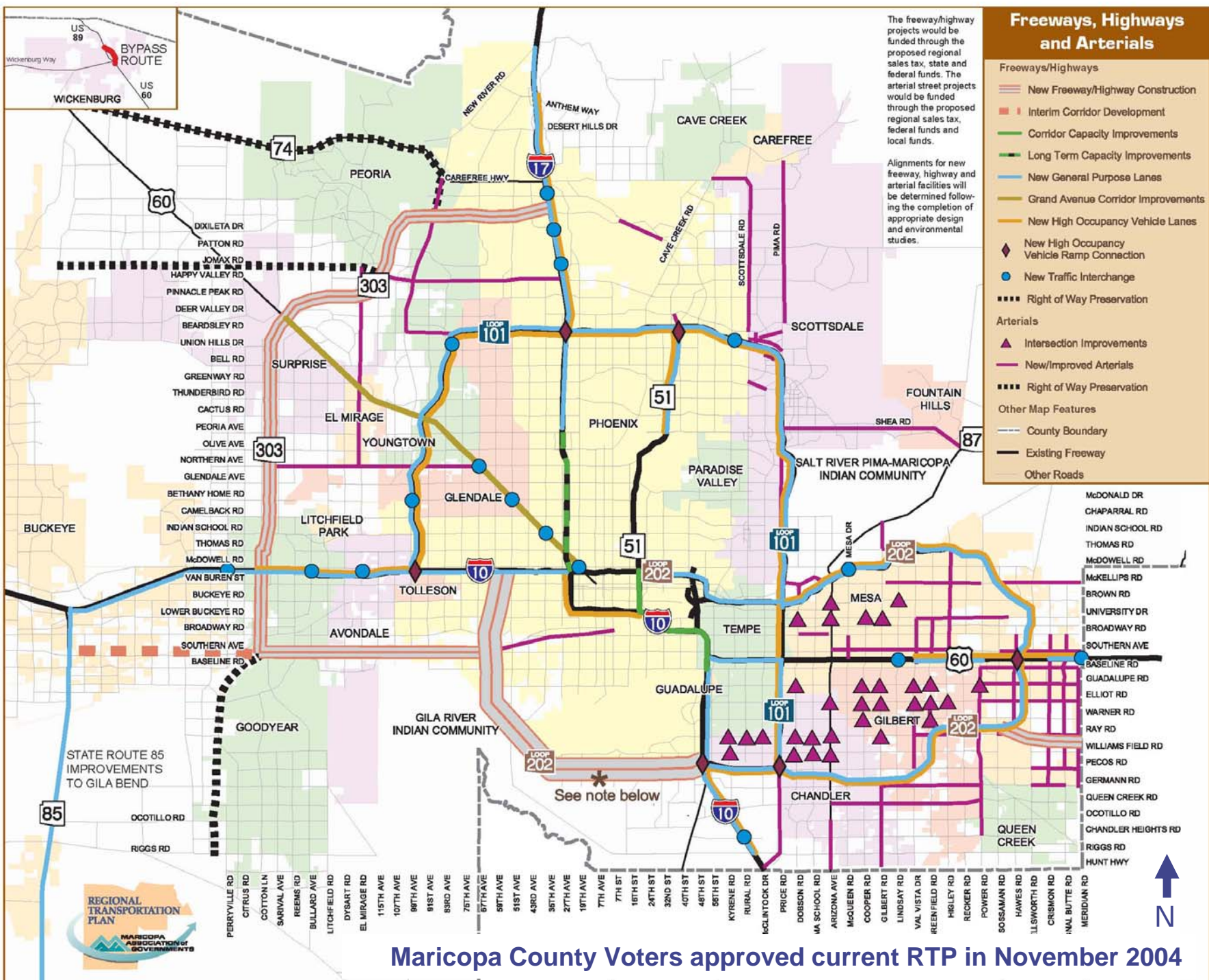
TUESDAY February 23, 2010

TOPICS

- ◆ MAG Program Changes
 - Alternative Project Delivery
- ◆ Coordination Between Adjacent Projects
- ◆ Design Changes
- ◆ Review Fees
- ◆ Post Design Services
- ◆ Errors and Omissions

MAG PROGRAM CHANGES

- ◆ 20-year RTPFP adjusted to balance costs and revenues
- ◆ Approved by MAG regional Council October 28, 2009
- ◆ Reduced scope of some projects
- ◆ Deferred projects and corridors beyond 2025



Freeways, Highways and Arterials

- 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

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.

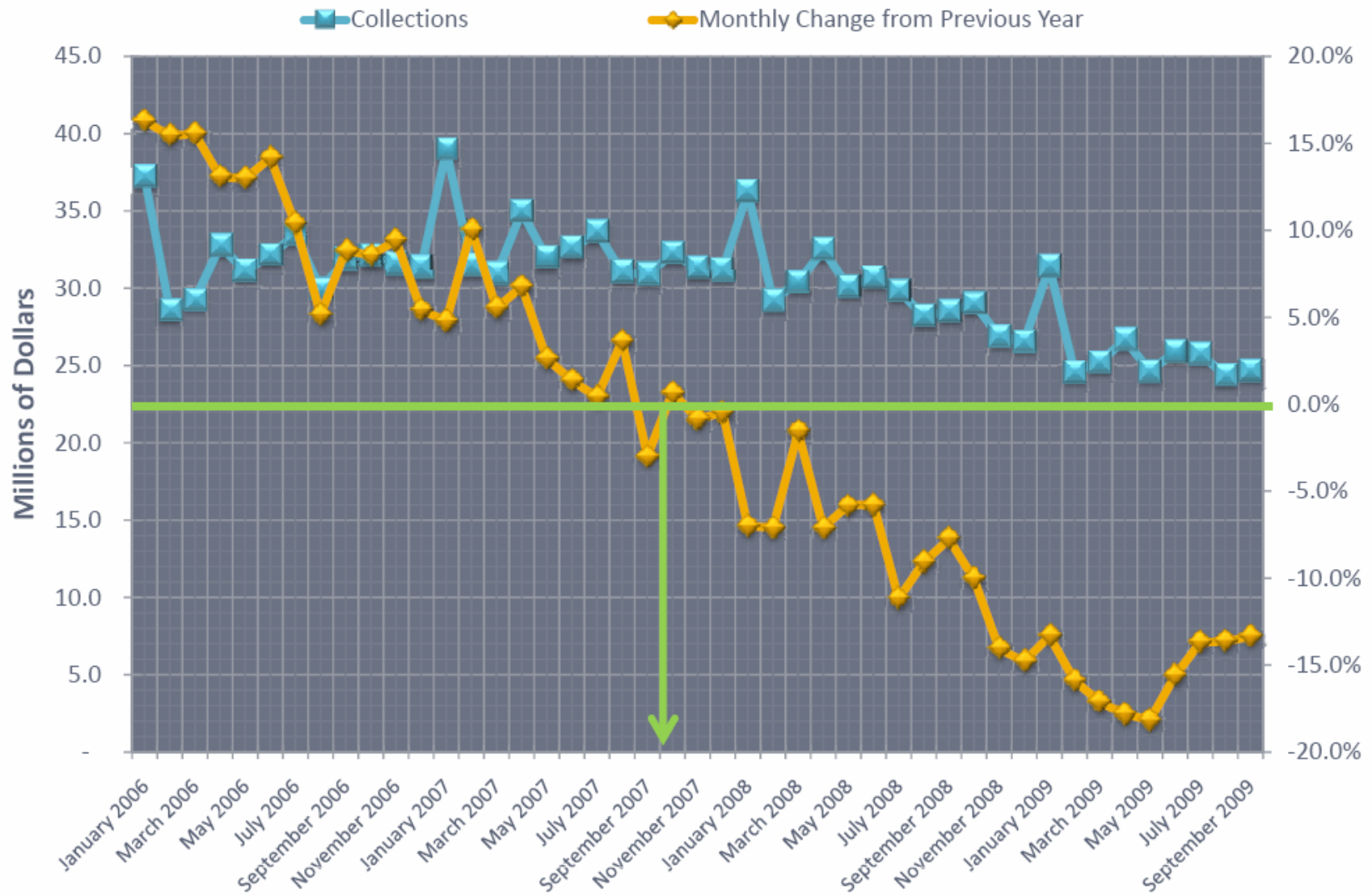
Alignments for new freeway, highway and arterial facilities will be determined following the completion of appropriate design and environmental studies.

See note below



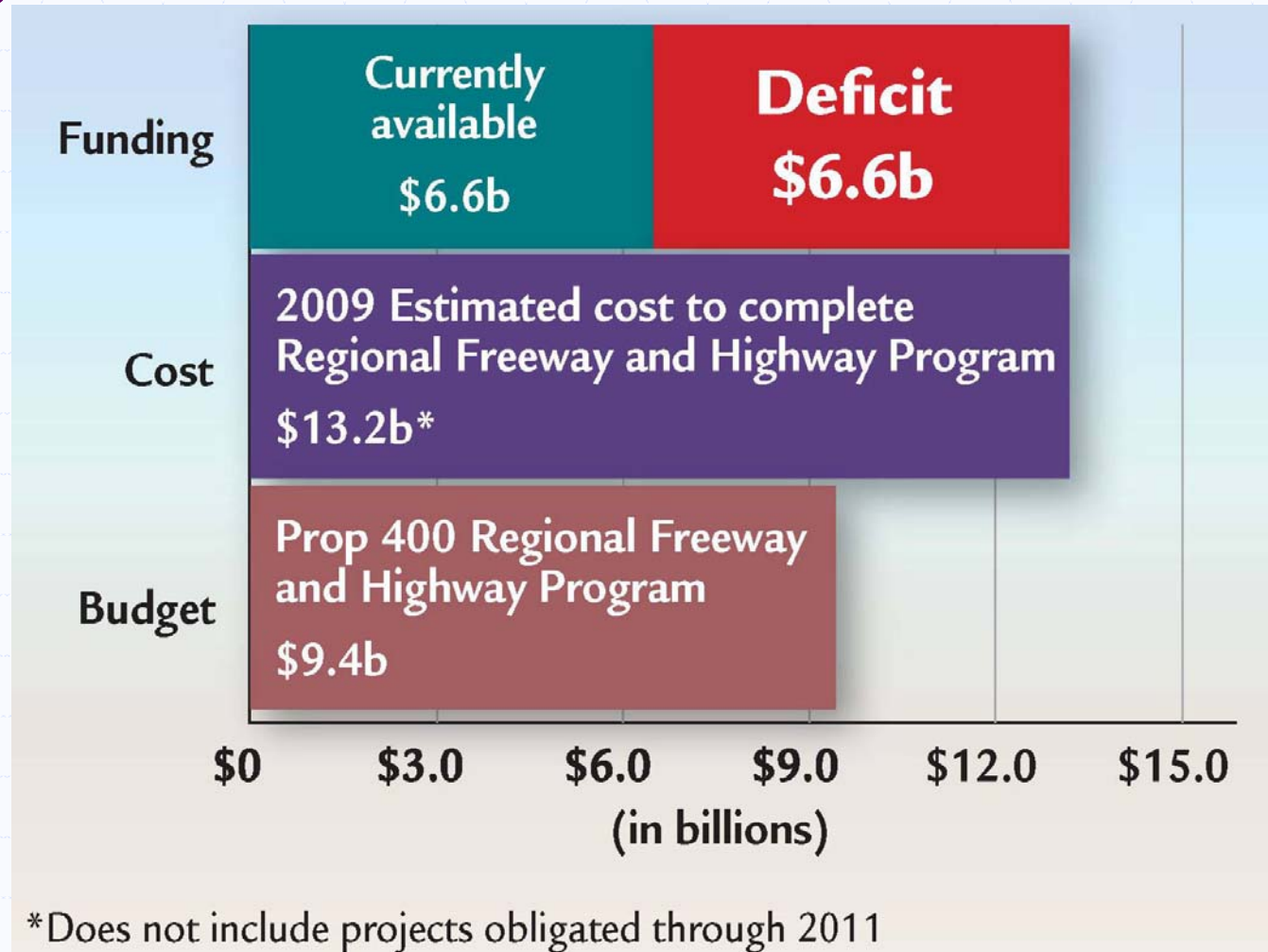
Maricopa County Voters approved current RTP in November 2004

Half-Cent Sales Tax Revenues



Source: MAG 2010

Estimated Freeway Program Costs



Project Deferrals

- ◆ SR 801
- ◆ SR 802; Ellsworth to Meridian
- ◆ SR 303L; I-10 to Riggs Road
- ◆ Some General Purpose Lanes
- ◆ Some Interchanges

Priority Projects

- ◆ SR 303L; I-10 to I-17
- ◆ SR 202L; South Mountain Freeway
- ◆ I-10; Local-Express Lanes Project
- ◆ HOV lane projects
- ◆ Complete remaining corridor studies

Alternative Project Delivery

◆ Design Build

- SR 202L (Santan); I-10 to Gilbert Rd.
- SR 101L; I-10 to Tatum Boulevard

◆ CMAR

- SR 303L; Peoria to Mountain View

COORDINATION BETWEEN ADJACENT PROJECTS

- ◆ Numerous design and construction projects underway
- ◆ Coordination needed:
 - between adjacent projects
 - between current and future projects

DESIGN CHANGES

- ◆ Bicycle Safe Grates
- ◆ Crossroad Sidewalk Widths
- ◆ Median Shoulders on SR 303L
- ◆ Falsework Clearances
- ◆ Bridge Pier Shape Change

Bicycle Safe Grates

- ❖ Not normally provided on mainline freeways and ramps
- ❖ Need to be provided on crossroads and frontage roads and non-freeway facilities
- ❖ Consider any interim use the roadway when evaluating the need

Crossroad Sidewalk Widths

- ◆ ADOT standard is 5' sidewalks on crossroads
- ◆ ADOT standard is 6' sidewalks on crossroad bridges over the freeway
- ◆ Local jurisdictions have requested ADOT match their standards – often wider and sometimes detached

Crossroad Sidewalk Widths

- ◆ Match city width for 300' beyond ramps (access control limits) – Sidewalk to be Attached
- ◆ Provide 5' width between service TI ramps (6' when the crossroad is over the freeway) unless the City funds the added cost of the wider sidewalks (including bridge costs)
- ◆ Beyond access control limits – Replace what currently exists

Median Shoulders on SR 303L

- ◆ Use 12' PCCP inside shoulders
 - Simplifies future widening
 - Wider median can still accommodate median drainage
- ◆ Use 10:1 median slopes
- ◆ Add AB wedge in superelevated sections

Falsework Clearances

- ◆ Consistency between projects
- ◆ 16 feet over mainline
- ◆ 14.5 feet over crossroads unless justification for greater clearance is provided

Bridge Pier Shape Change

- ◆ Current Bladed Pier requires large drilled shaft and transition cap
- ◆ Change to 4' x 6' Rectangular Pier
- ◆ Still accommodates pier architectural treatments

POST DESIGN SERVICES

- ◆ Have post design contract mod ready for submittal as soon bids are opened
- ◆ Include an estimated distribution of dollars for each task
- ◆ RE should review initial distribution, work requests and monthly invoices
- ◆ Retain sufficient funds to complete the "as-built" drawings
- ◆ Request additional funds early, not late

ERRORS AND OMISSIONS

- ◆ Update on Policy and Procedures revisions underway



Open Discussion