Regional Community Network Project Status and Additions

Intelligent Transportation Systems

April 7, 2010

MARICOPA ASSOCIATION of GOVERNMENTS

ADOT

MARICOPA ASSOCIATION of GOVERNMENTS

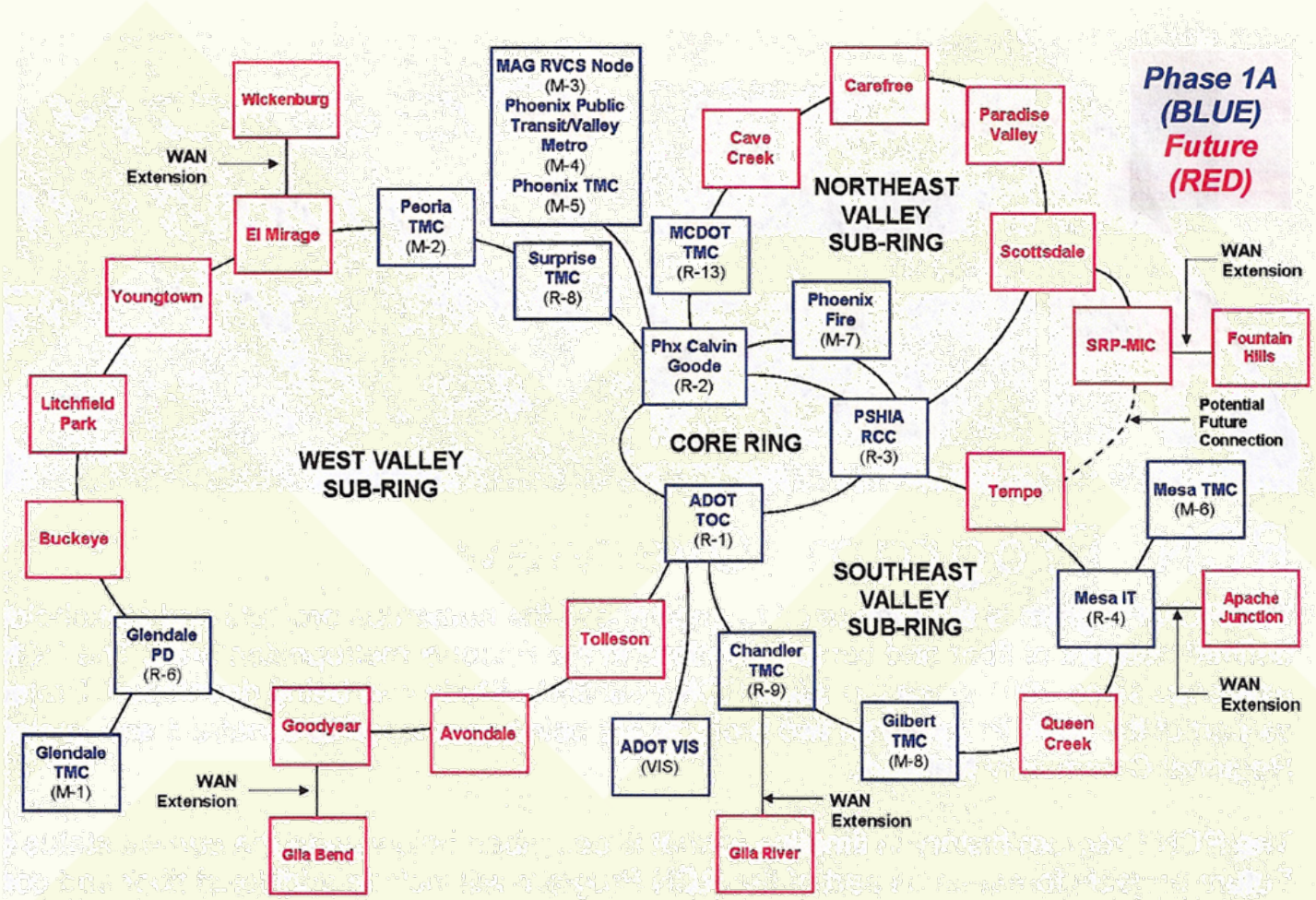
RCN Project Status

- Fiber and Conduit Project Complete
- Active Electronics Installed
- Testing Plan Approved
- Governance Structure in Place

Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

RCN Phase 1A



Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

RCN Next Steps

- Review requests for no-cost service additions
- Develop expansion plans

Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

Evaluation Criteria

Compatibility with funding requirements	•Transportation use a priority. •Additional uses are permitted as long as they do not affect the transportation use.
Bandwidth Usage	•Show use will not exceed the available bandwidth of the network, including burst traffic.
Regional Use	•Regional uses of the network for interagency communication should be given preference over individual use.
Agency Distribution	•The project should reflect a reasonable distribution of bandwidth among agencies.
Cost	•No additional costs borne by the RCN for the implementation of the application. •Agency may absorb the costs associated with implementation.

Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

Alternate Traffic Signal Communications Path

Compatibility with funding requirements	•Transportation use.
Bandwidth Usage	•Negligible 384K
Regional Use	•Regional uses of the network for interagency communication should be given preference over individual use.
Agency Distribution	•This will provide reliability and recoverability to traffic flow that may affect neighboring jurisdictions.
Cost	•No additional costs borne by the RCN for the implementation of the application. •Agency may absorb the costs associated with implementation.

Contact:
Bob Steele, Maricopa County

Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

Dynamic Message Signs

Compatibility with funding requirements	•Transportation use.
Bandwidth Usage	•Negligible, Camera Cameleon Add-on
Regional Use	•Allows agencies to view DMS content from adjacent agencies that may impact local or regional traffic patterns.
Agency Distribution	•This service will be available to all participating agencies.
Cost	•No additional costs borne by the RCN for the implementation of the application. •Agency may absorb the costs associated with implementation.

Contact:
Bob Steele, Maricopa County
Ryan Gish, ADOT

Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

Disaster Recovery Backup

Compatibility with funding requirements	•Can backup transportation related systems. •Can be scheduled off peak and throttled to reduce impact on other Transportation uses.
Bandwidth Usage	•0.2 – 0.4 Gbps off peak
Regional Use	•Allows agencies to setup hot disaster recovery sites without the ongoing cost of leased lines.
Agency Distribution	•This service will help geographically dispersed agencies with their disaster recovery needs.
Cost	•No additional costs borne by the RCN for the implementation of the application. •Agency may absorb the costs associated with implementation.

Contact:
Randy Jackson, City of Surprise
Co-Chair of RCN Working Group, TAG Member

Copyright © 2009

MARICOPA ASSOCIATION of GOVERNMENTS

For Additional Information

Sarath Joshua or Audrey Skidmore
(602) 254-6300

Copyright © 2009