

# Regional Community Network Project Status and Additions

Technology Advisory Group  
April 22, 2010





# RCN Project Status

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





# RCN Next Steps

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



# 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.



# 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



# 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



# 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



# For Additional Information

Audrey Skidmore  
(602) 254-6300