

RCN Informational Meeting

August 11, 2011
ADOT HRDC



Agenda

- **RCN Status Update**
- **RCN Operations**
- **ITS Applications Operations**
- **Lessons Learned**
- **Expansion Opportunities**
- **Funding Opportunities and Application Process**
- **Discussion/Closing**

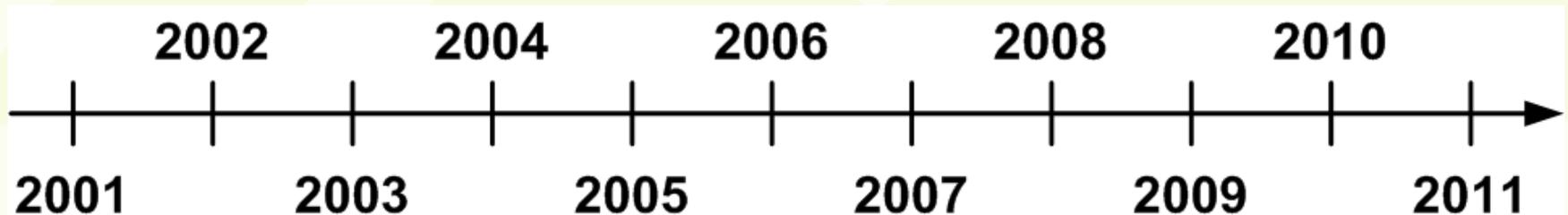
RCN Status Update

Debbie Albert



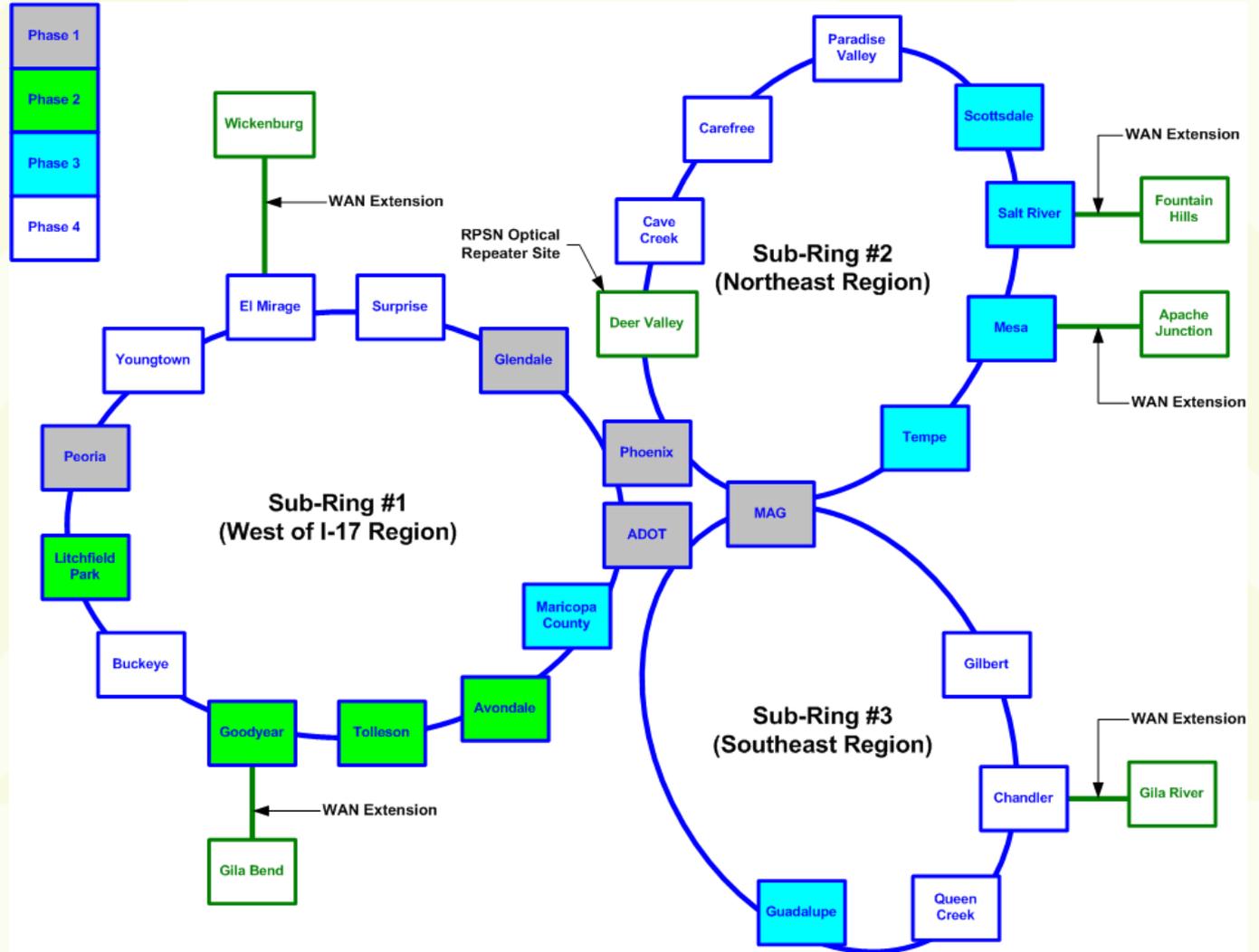
RCN History

- **2001 Feasibility Study**
- **2003 Telecommunications Overview Report**
- **2004-06 Development of DCR and Phase 1 Plans**
- **2008-10 Completion of Phase 1**



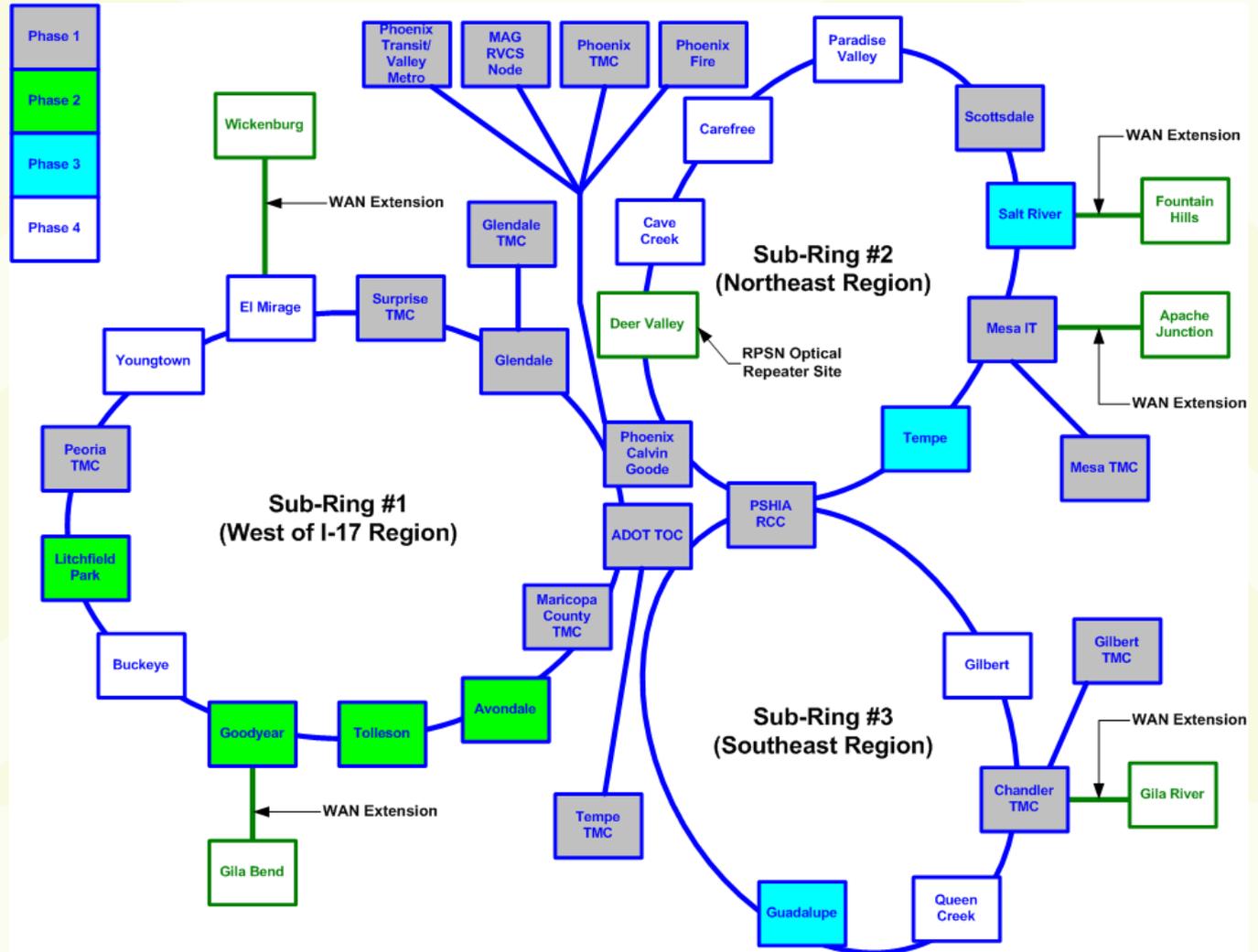


RCN – Original Plan





RCN Update





RCN Status

- **Phase 1 Complete**
- **RVC Online and Operational**
- **CCTV Sharing**



Lessons Learned (Panel Discussion)

- **Inter/Intra-Agency Coordination**
- **RCN Governance**
- **Firewall Access and Configuration**
- **Cameleon Configuration**

RCN Operations

Audrey Skidmore



RCN Operations

- **Governance Structure**
- **Roles and Responsibilities**
- **Participation**



RCN Operations

■ Approved Uses

- Camera Cameleon
- RVS
- DMS
- Alternative path for signal communication
- Disaster Recovery Backups

■ Adding New Services

ITS Application Operations

Darrell Bingham



ITS Cameleon

- **RCN is the network, now you need applications**
- **CamCam is available for CCTV (& DMS) control**
- **Available to all Transportation-related agencies**
- **No cost for license (prepaid)**
- **Contact ADOT (me) for license strings**



Cam-Cam (cont.-)

- **AZTech CCTV Guidelines**
 - Approved by AEC (16 Nov 2006)
 - Updated by ASTF (23 Jun 2011)
 - Added a (natural) consequences sentence for misuse of other agency CCTVs
- **Acknowledgment Letter**
- **Sharing Agreement**
- **Installation Assistance**

Lessons Learned

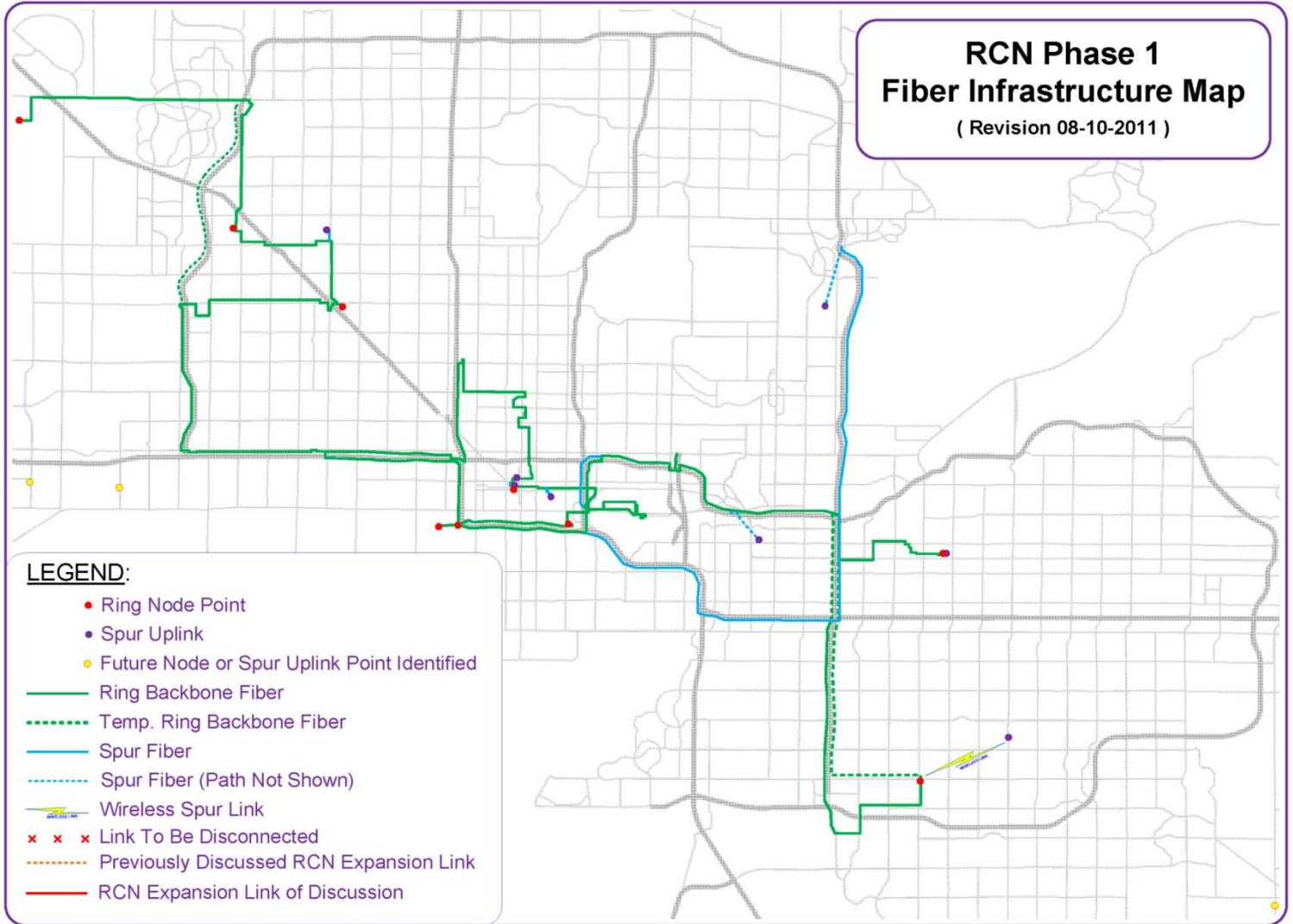
MAG/ADOT

Expansion Opportunities

David Haines

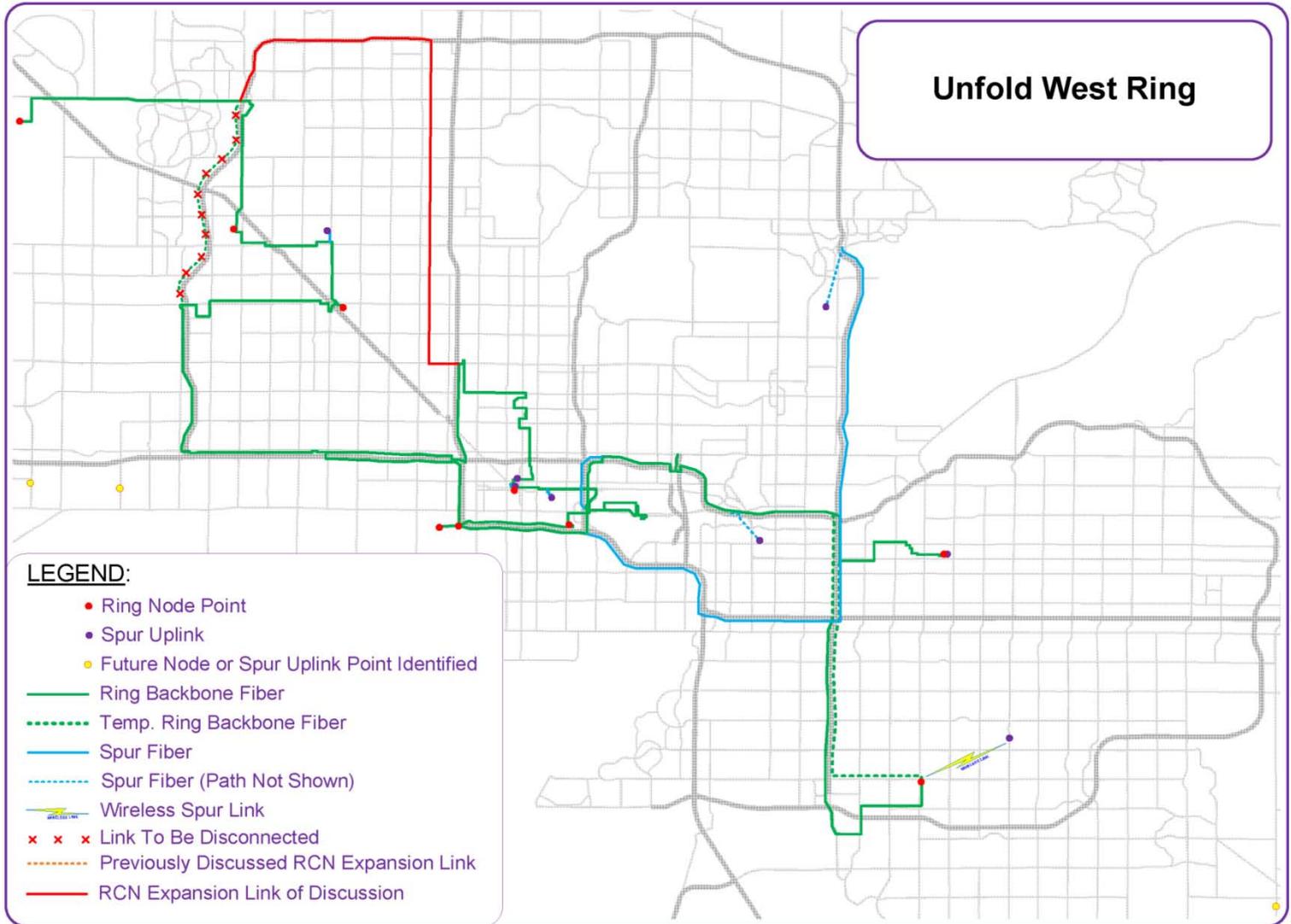


Expansion Opportunities



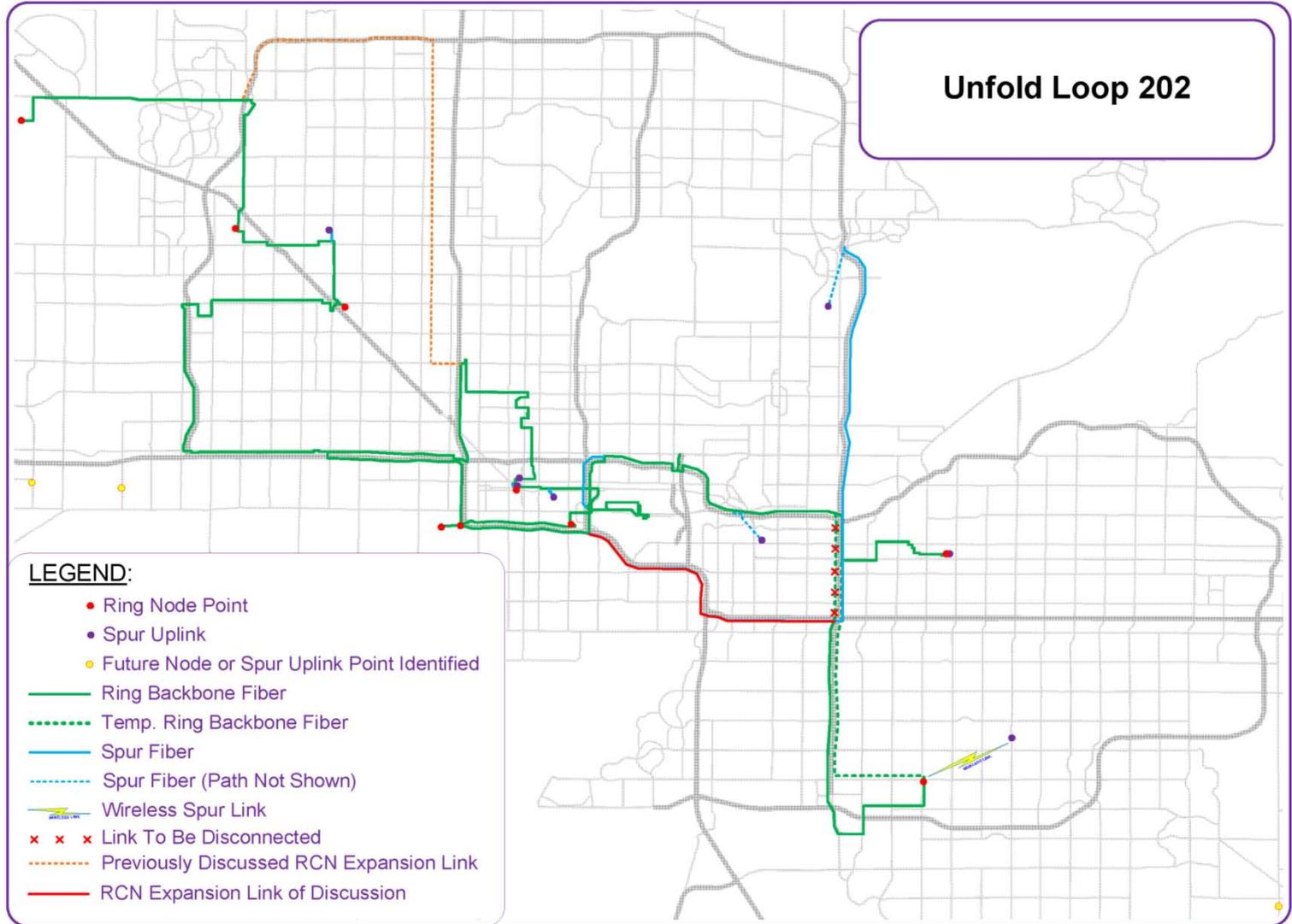


Expansion Opportunities



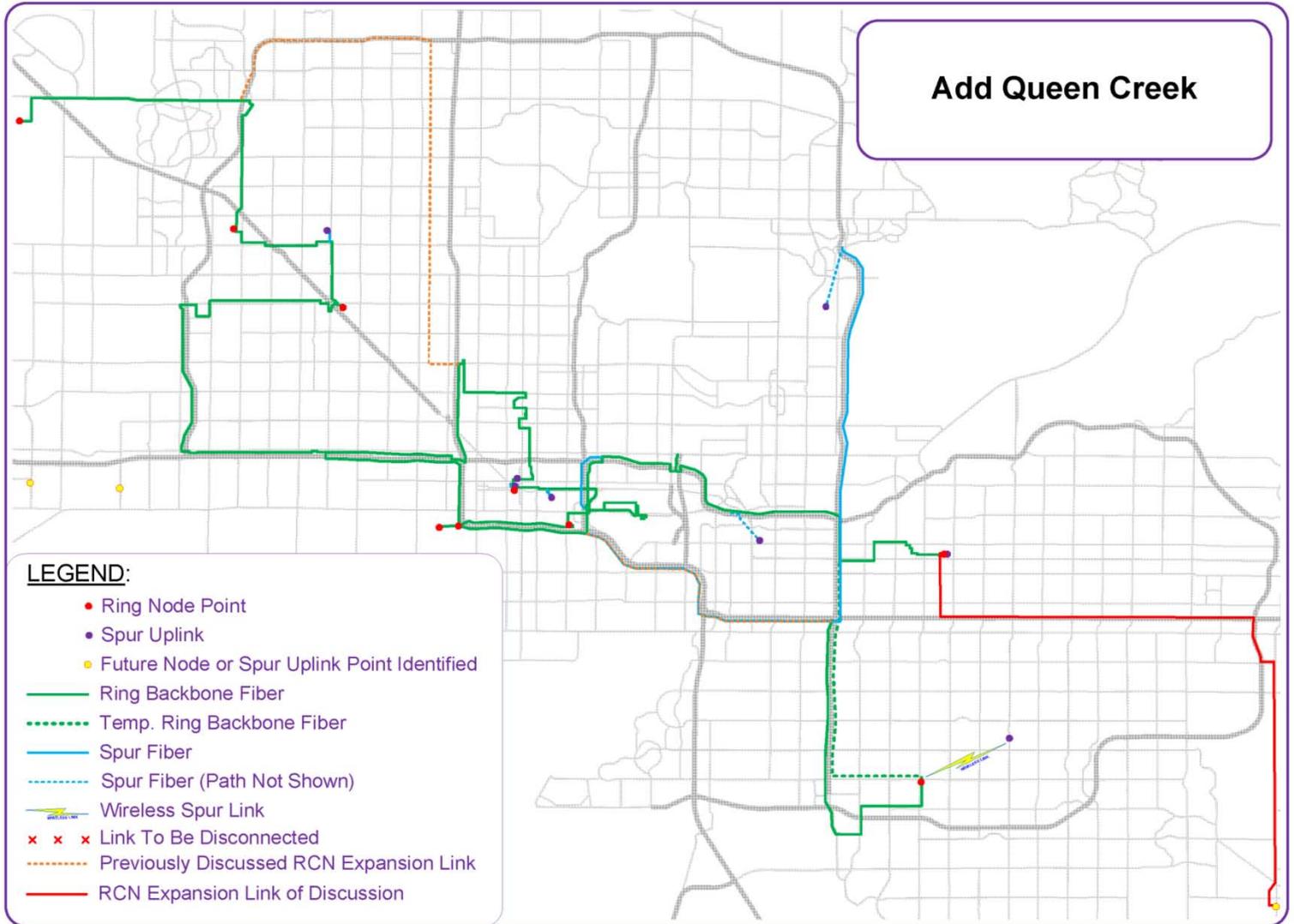


Expansion Opportunities



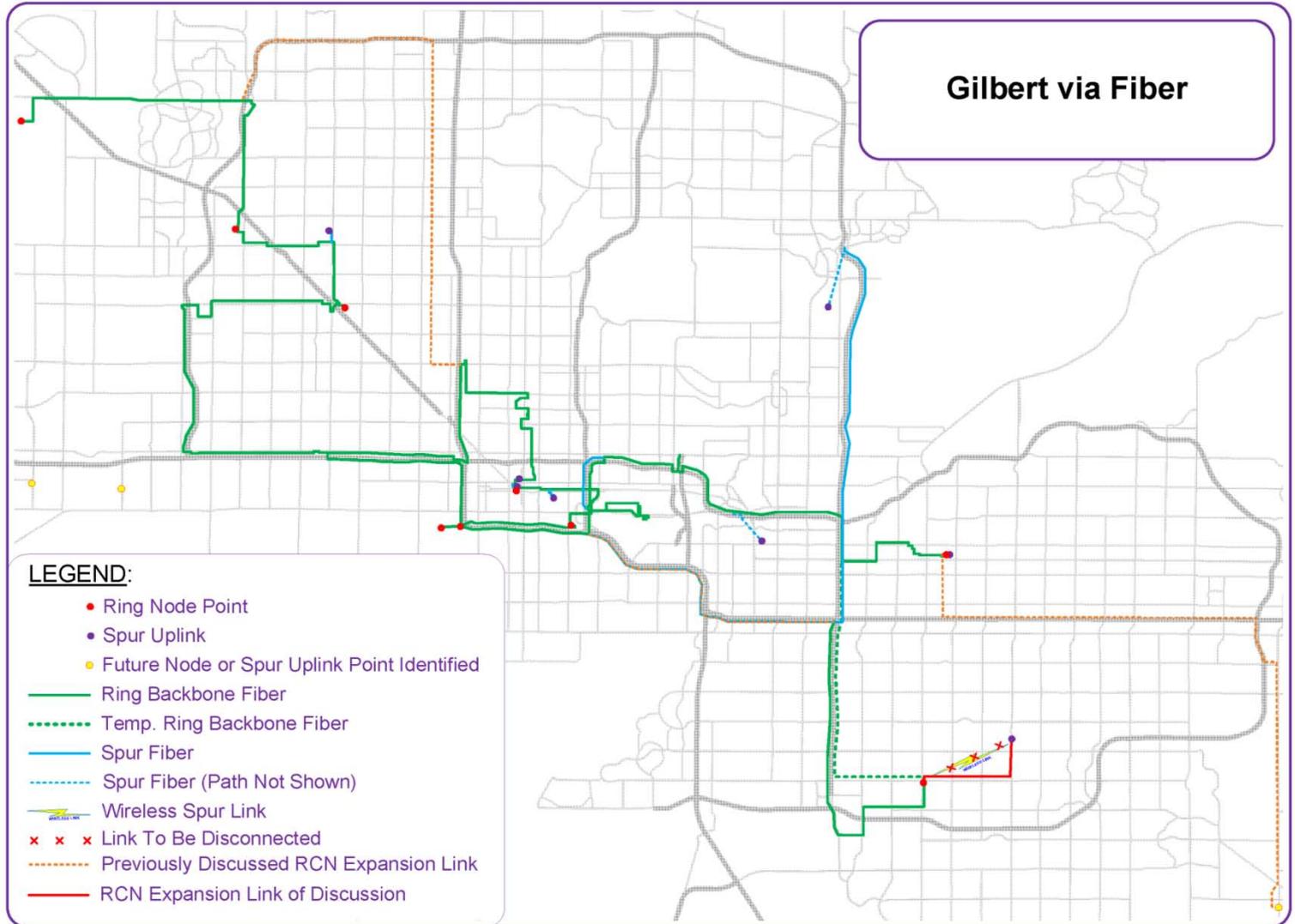


Expansion Opportunities



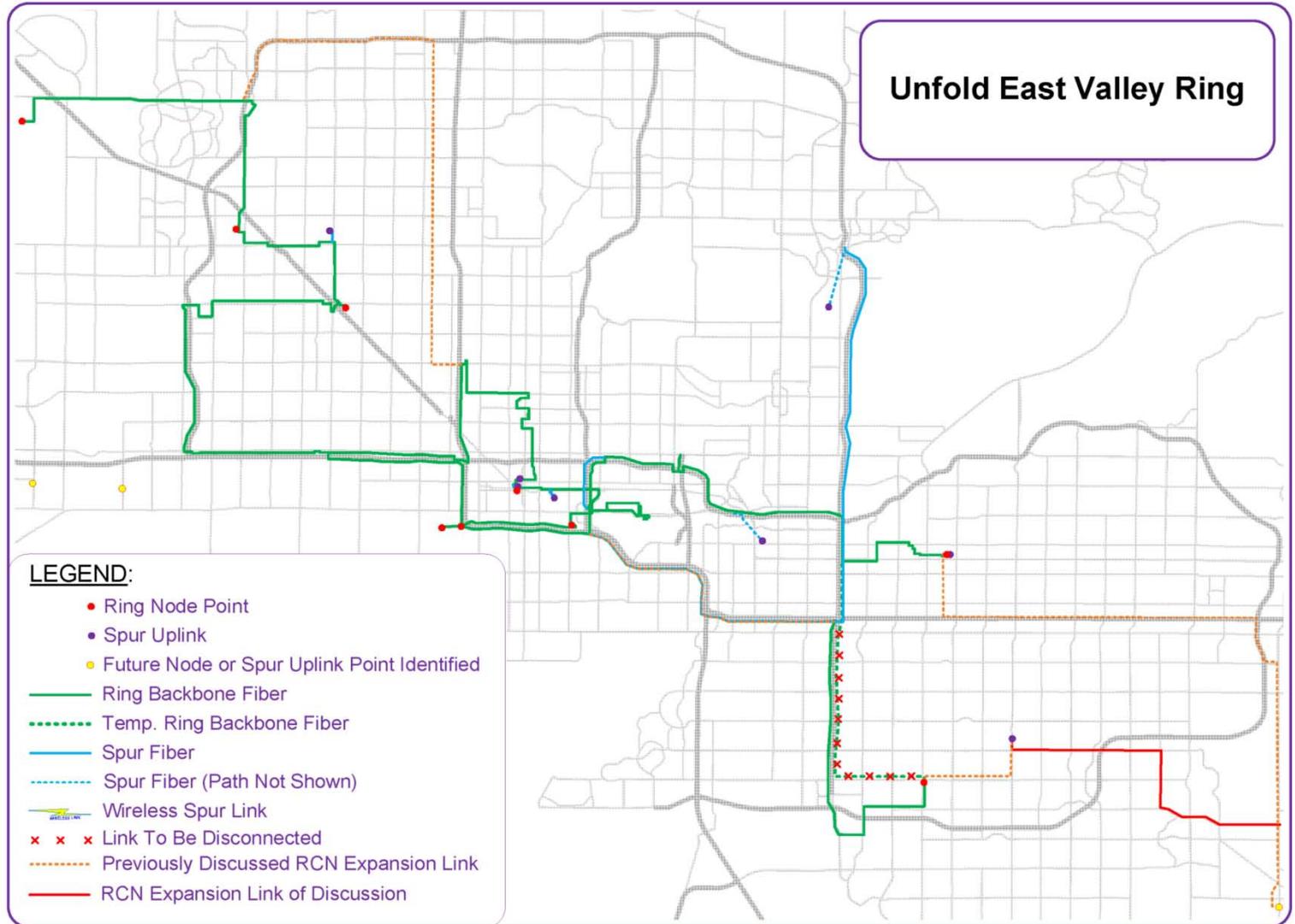


Expansion Opportunities



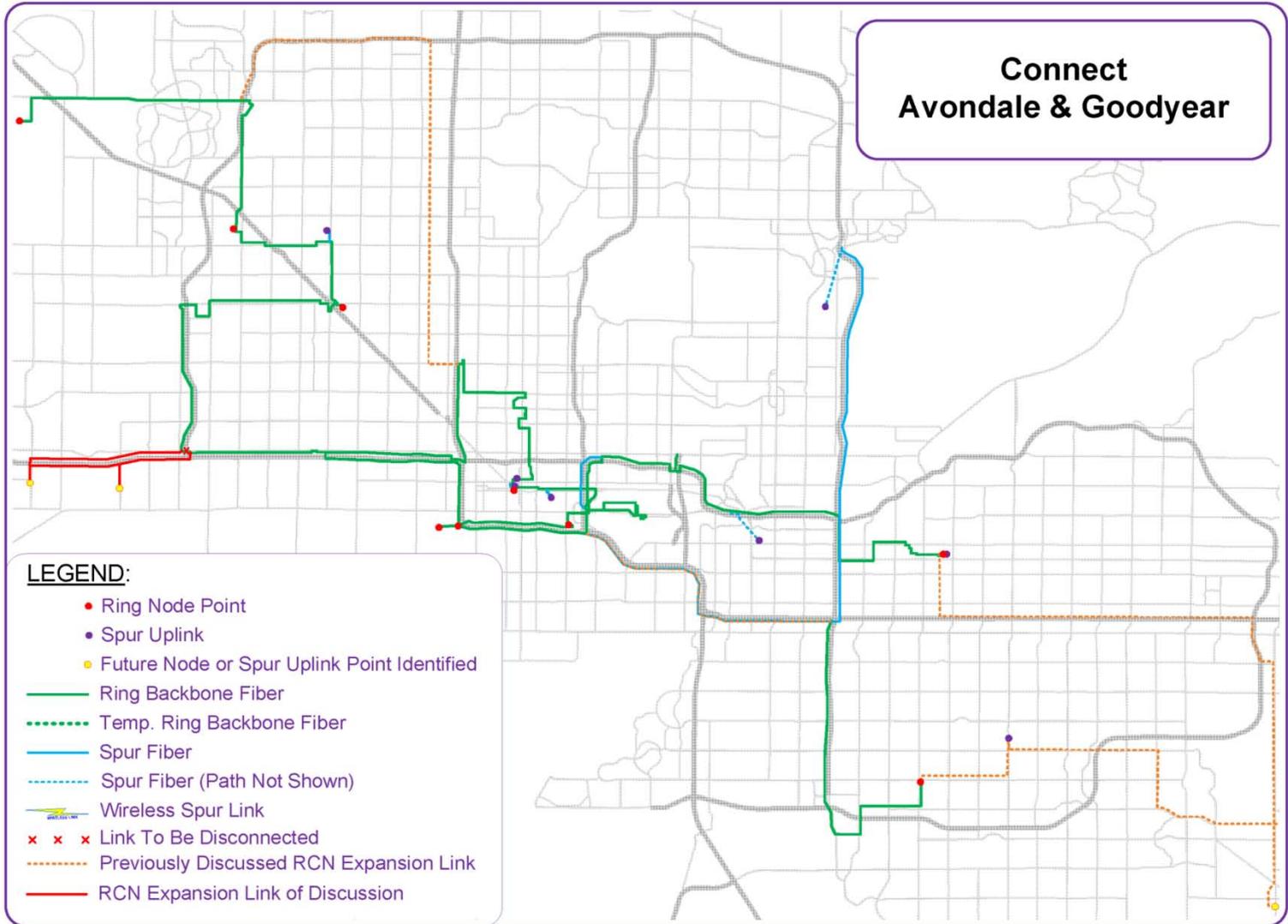


Expansion Opportunities



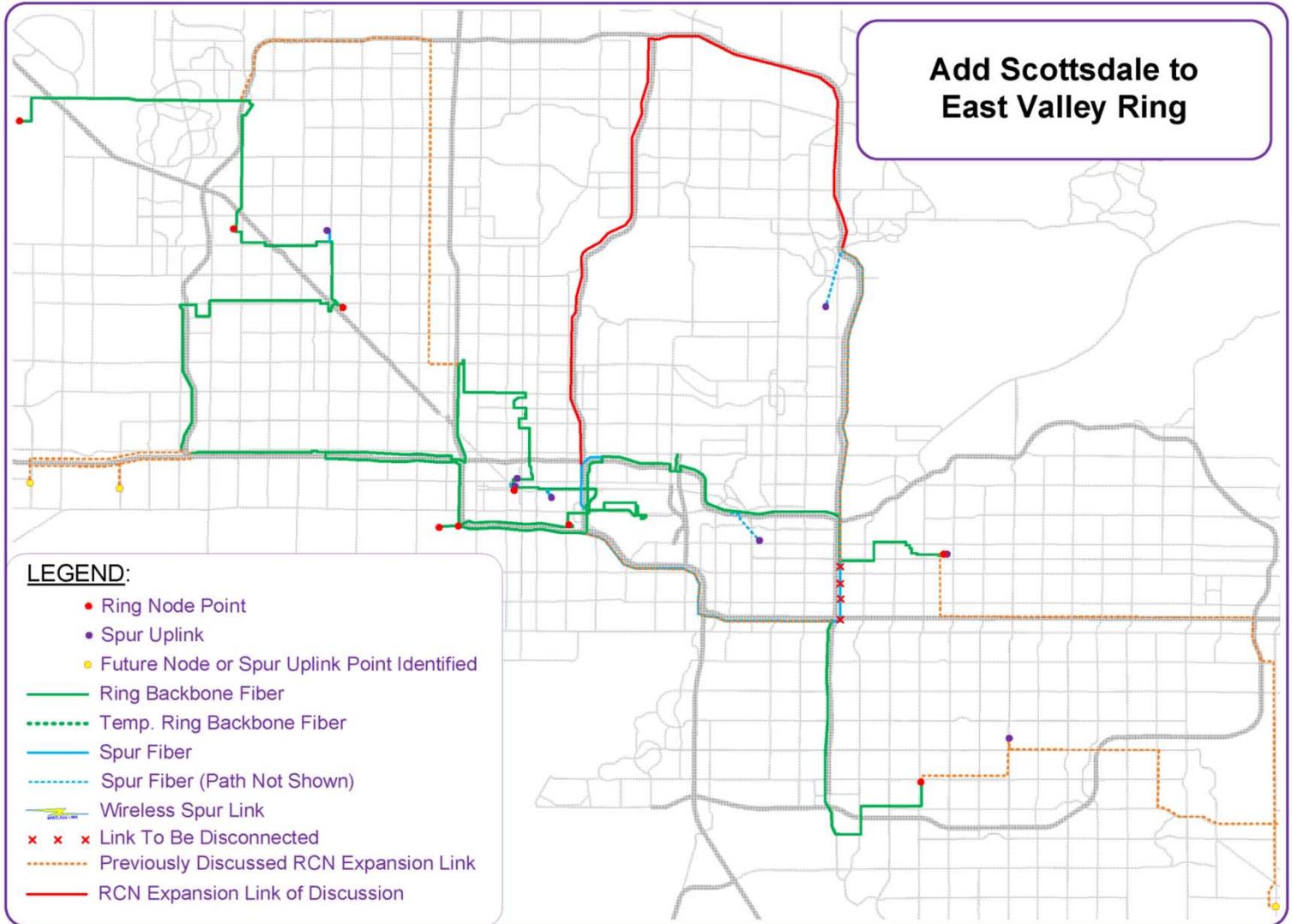


Expansion Opportunities



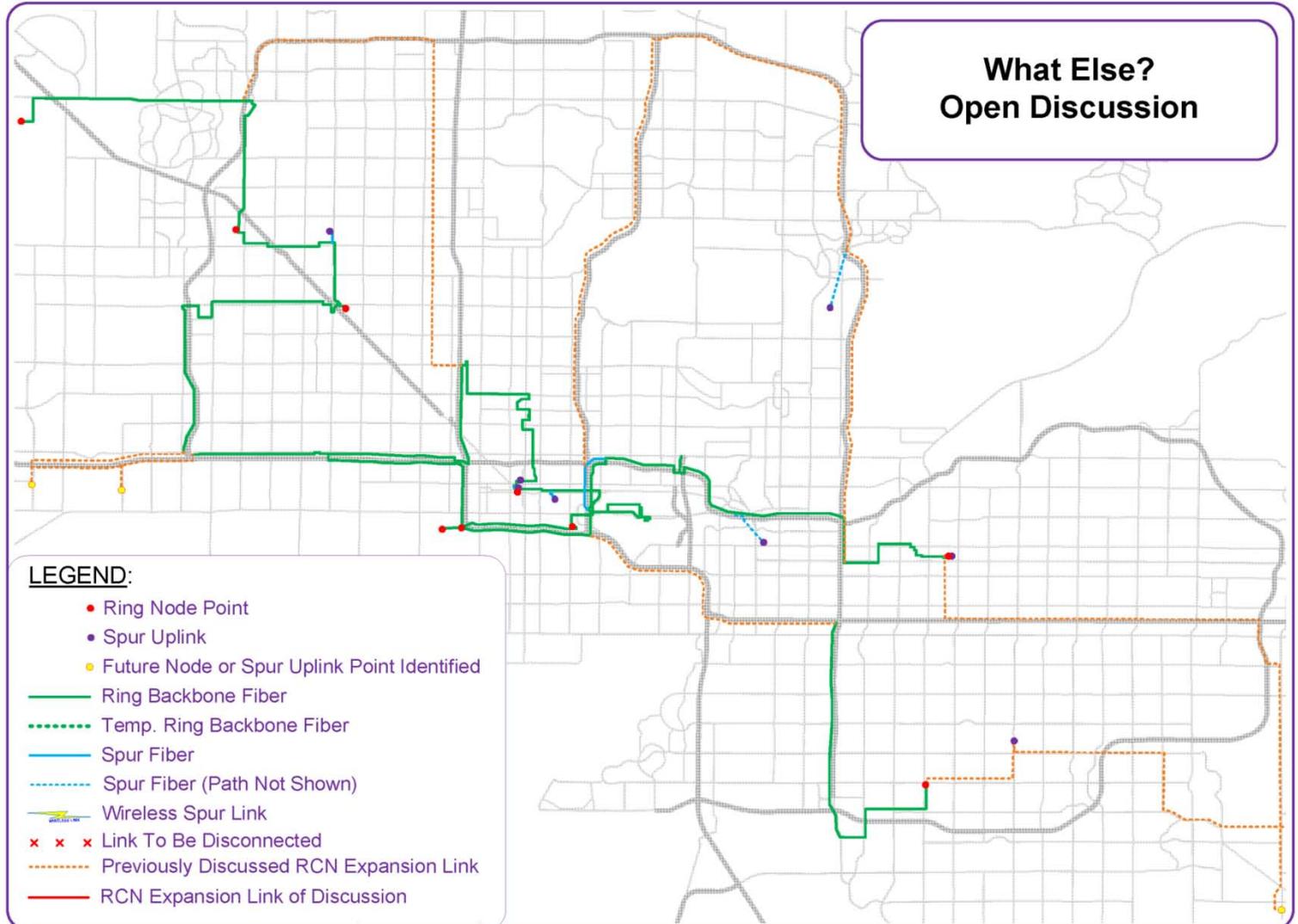


Expansion Opportunities





Expansion Opportunities



Funding Opportunities and Application Process

Sarath Joshua



Summary

- **How was the RCN funded? – until now**
- **How was the RCN expansion expected to be funded?**
- **How might the RCN expansion be funded in the future?**
- **Any other ideas?**



How was the RCN funded - until now

- 2003 AZTech Interoperability Grant \$3m – Part of this grant was used by ADOT to begin RCN design based on MAG RCN Study – there were no funds to build the RCN at this point
- Windfall -- \$1.6m in MAG federal funds programmed in advance for the larger MAG RCN project became available in FY 2005 for ITS and was used to build RCN Phase 1A
- Local agency contributions



How was the RCN expansion expected to be funded – until recently

- MAG RTP ~ \$6m/yr for arterial ITS expansion and about \$144m for the FMS expansion
- As RCN expansion could enhance arterial ITS operations, a multi-agency project could easily fund RCN expansion
- Assumes that agencies concerned will sponsor such a project - feasibility of this plan - ✓



How might the RCN expansion be funded in the future?

■ Some ideas

- By pooling available resources at MAG – will become tougher to utilize arterial ITS funds
- Joining hands with other stakeholders/users of the RCN
- Competitive grants – TIGER3

Of these, arterial ITS funds seems the most promising – unless reauthorization