



St. Louis Regional Digital Microwave Network



Goals - Microwave Digital Network

- Mission Critical Network Supporting Land Mobile Radio
- Interoperable Inter-County Network - County-wide Autonomy
- No Single Point of Failure – Multiple Levels of Redundancy
- 99.9999% Microwave Path Reliability
- Creates True Regional Interoperability

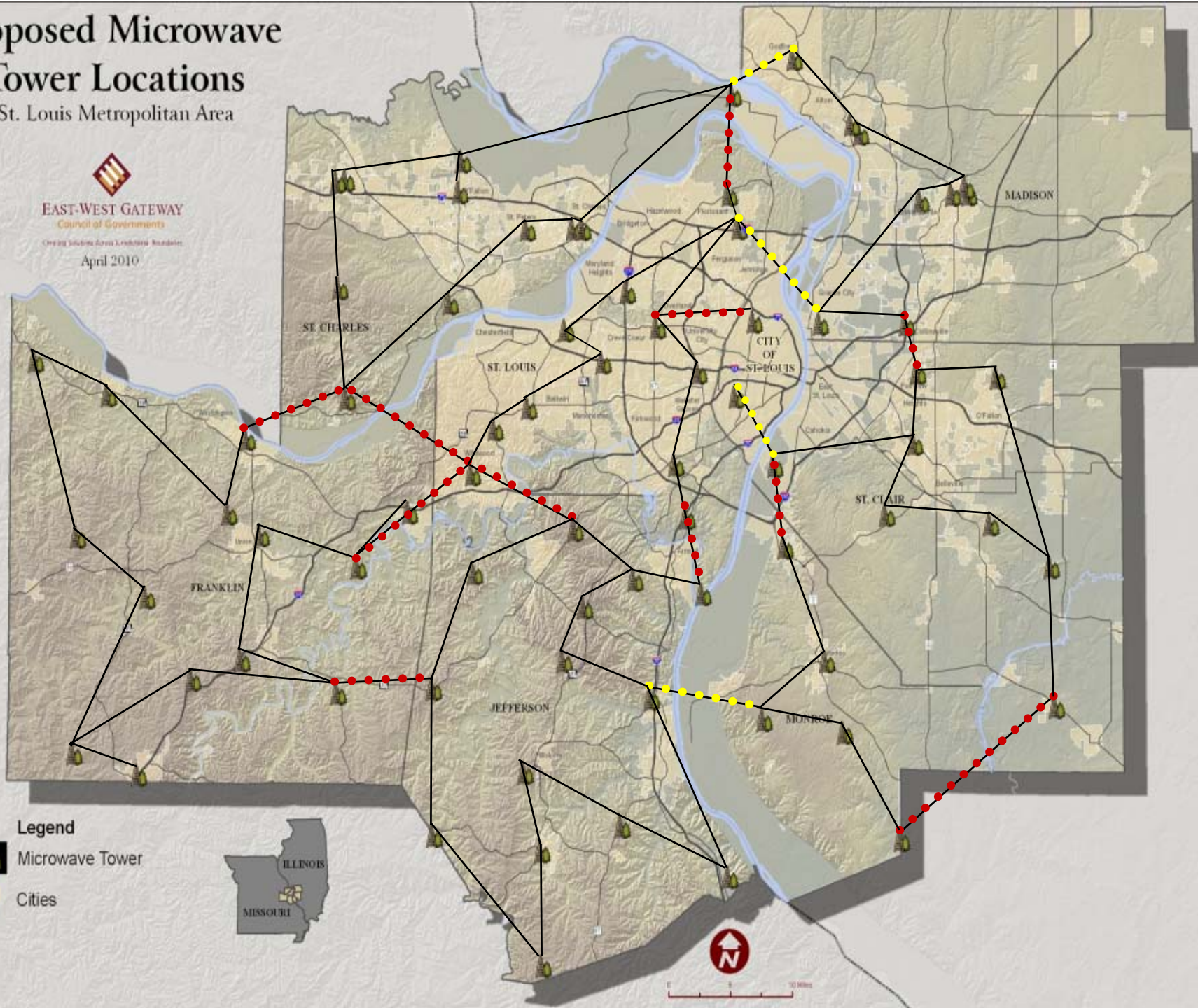
Proposed Microwave Tower Locations

St. Louis Metropolitan Area



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries
April 2010



Legend



Microwave Tower

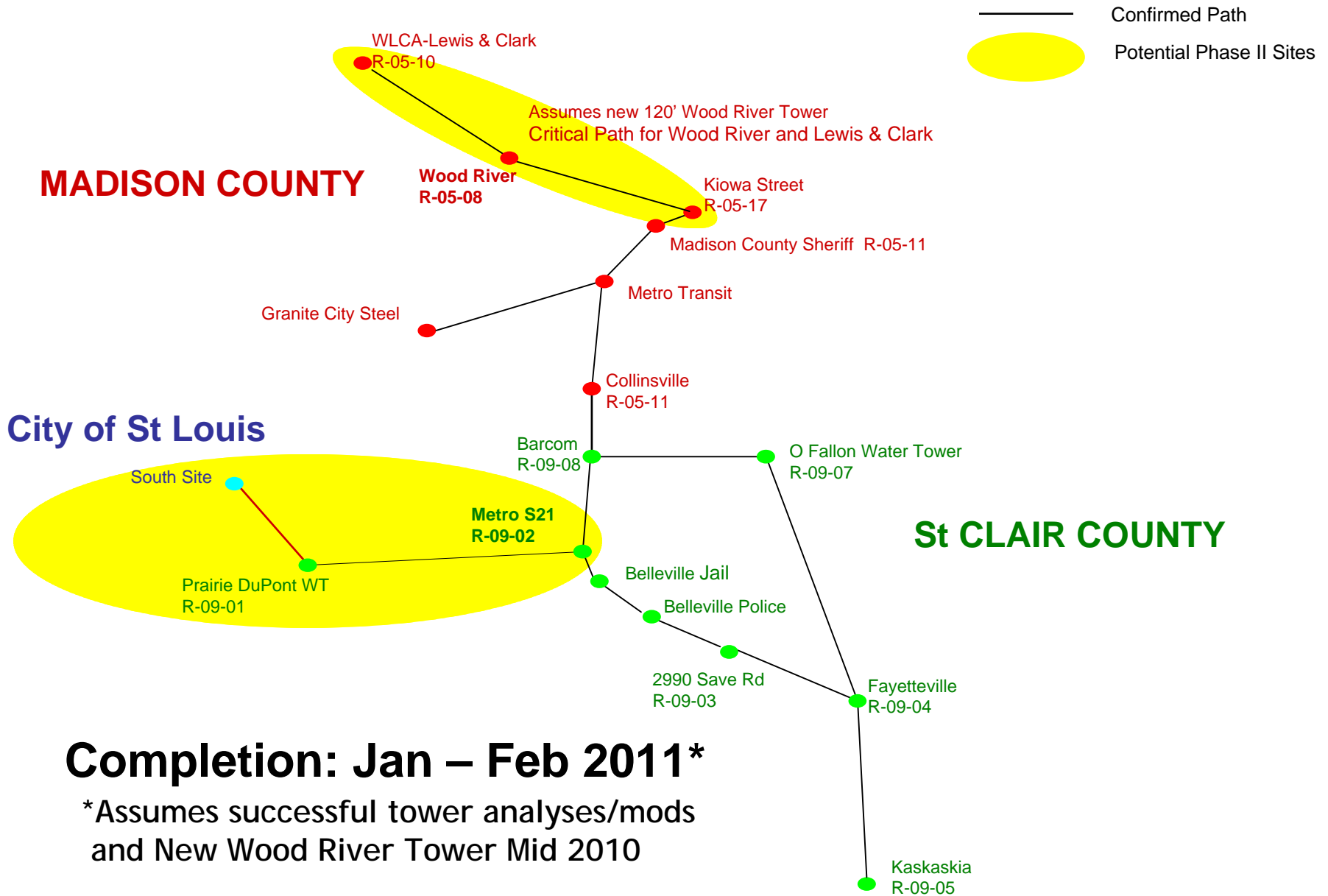


Cities



0 5 10 Miles

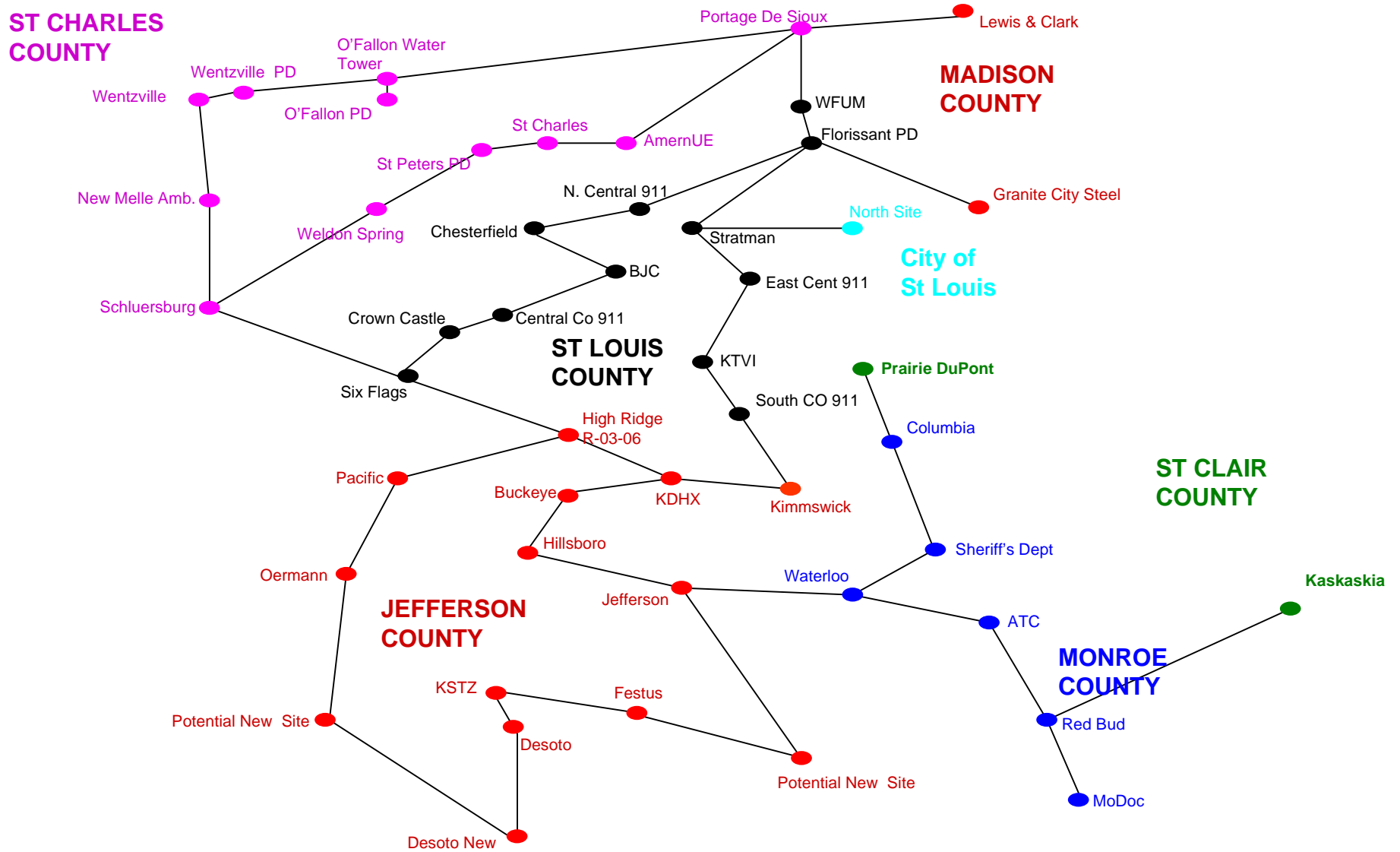
PHASE I: St Clair, Madison, City of St Louis - Current



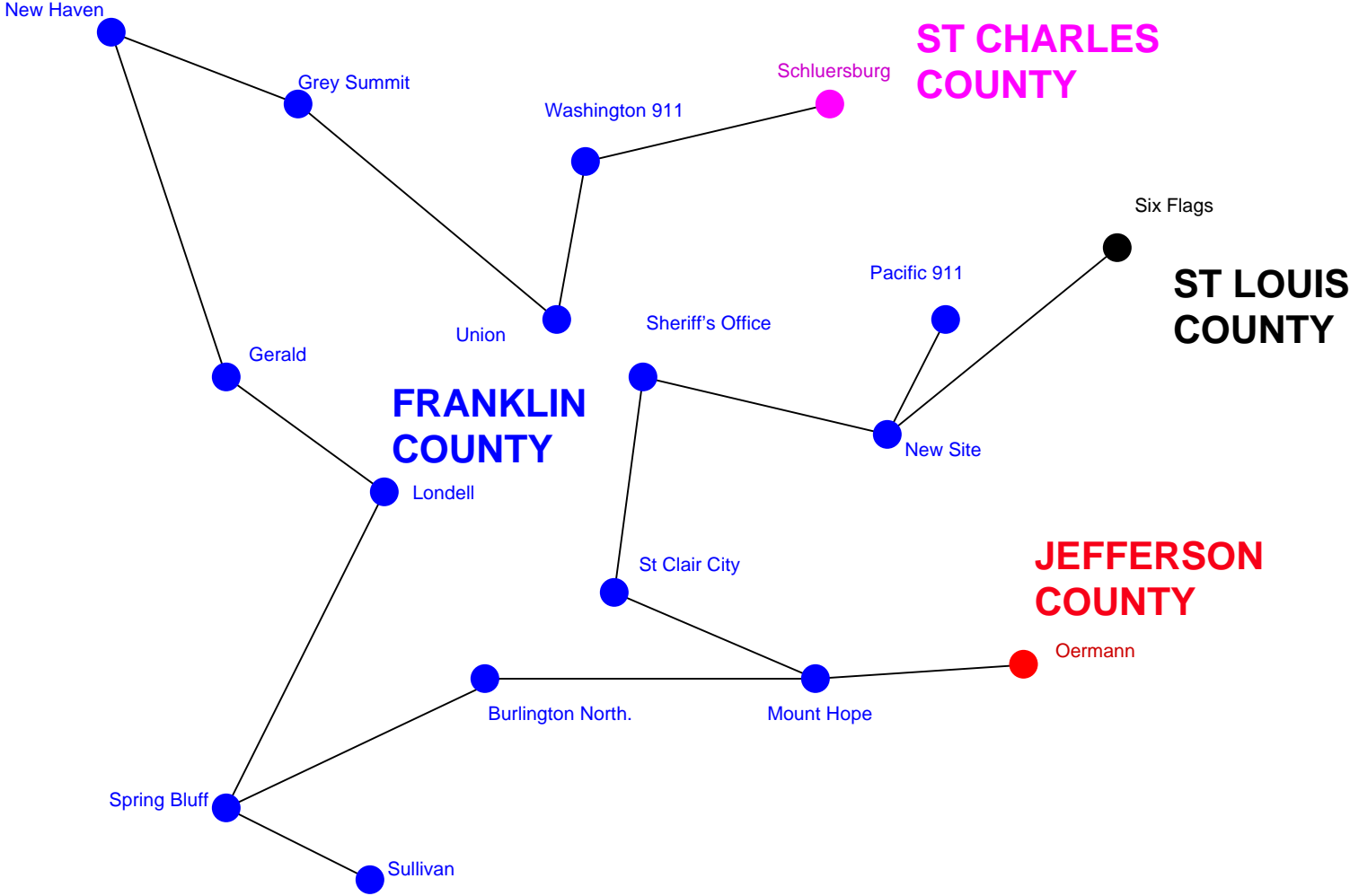
Completion: Jan – Feb 2011*

*Assumes successful tower analyses/mods and New Wood River Tower Mid 2010

PHASE II: Jefferson, St Louis, St Charles, Monroe Counties & City of St. Louis Link



PHASE III: Franklin County





Also Included: System Enhancements

- 2 Microwave Emergency Equipment Caches
- 2 Emergency Microwave “Hops” (portable)
- 8 Year System Maintenance Plan
 - ✓ Remote Tech Support
 - ✓ Alcatel-Lucent Resident Engineer



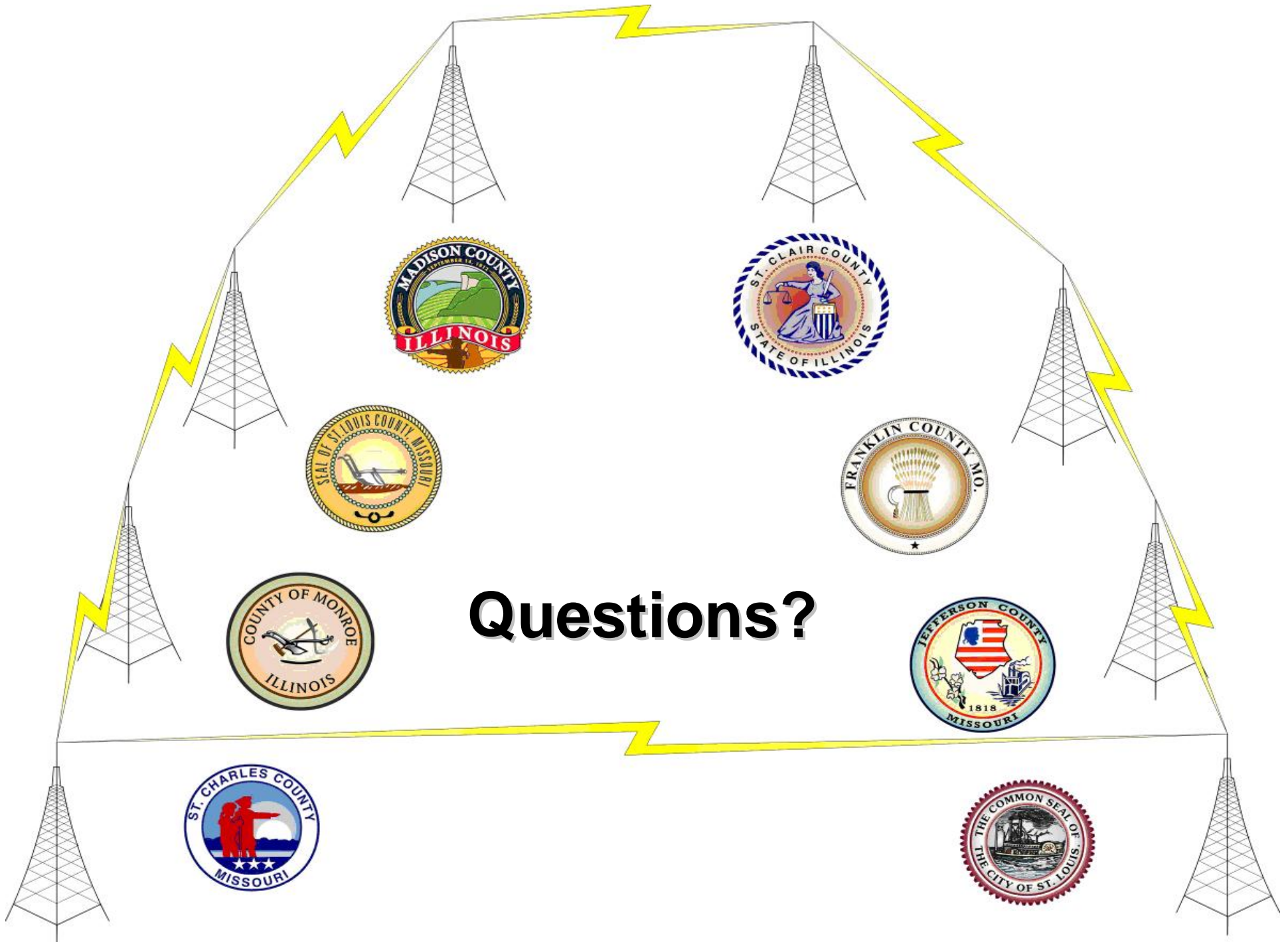
Memorandum of Agreement East-West Gateway and Each County

- Network Design
- Site Preparation & Access
- Network Integration, Testing & Acceptance
- Training
- Warranty & Maintenance
- Technical Support Services
- System Users Agreement



Inter-Governmental Agreement

- **Regional Microwave System Governance**
- **700/800 MHz Land Mobile Radio Systems**
- **Establishes Basic Guidelines for use of shared communication resources**
- **Enhances Interoperable Communications**



Questions?