

Portable Smart Work Zone



Two Different Approaches

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Portable Smart Work Zone

- Rural/Suburban Interstate Application
- Major River Crossing Application



Portable Smart Work Zone

- Provides Real Time Information for
 - Pre-trip Information
 - En-route Information
 - Work Zone Management Information



Portable Smart Work Zone

- Pre-trip Information
 - Via Web Sites
 - Via 511 Services
 - Via Media Outlets – Radio and TV
 - Via Emails or Pager Alerts



Portable Smart Work Zone

- En-route Information
 - Via Media Outlets – Radio
 - Via Pager Alerts
 - Via In-vehicle Services
 - Via Dispatchers



Portable Smart Work Zone

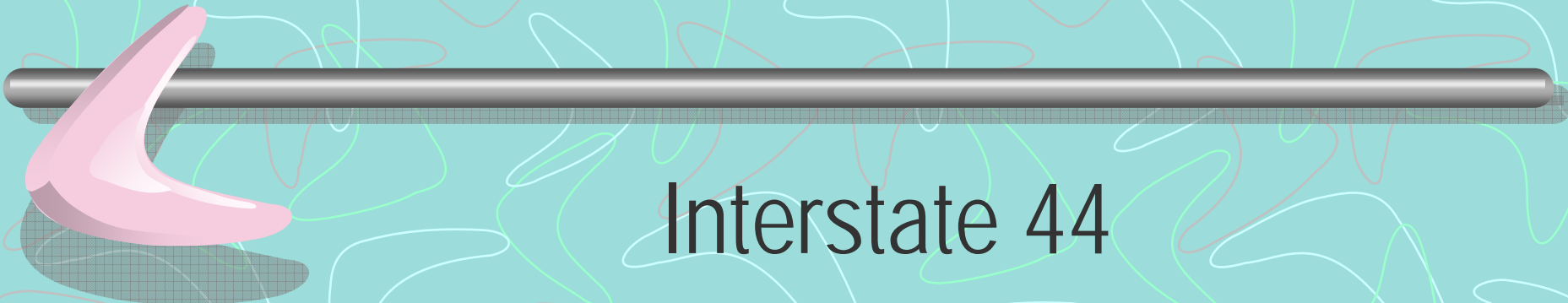
- Work Zone Management Information
 - Traffic Delay Monitoring
 - 15 minute delay practice
 - Scheduling of WZ Activities
 - Lane closures
 - Material delivery and removal



Portable Smart Work Zone

- Assist in making better decisions
 - By the Traveler
 - By the Construction Team

Portable Smart Work Zone

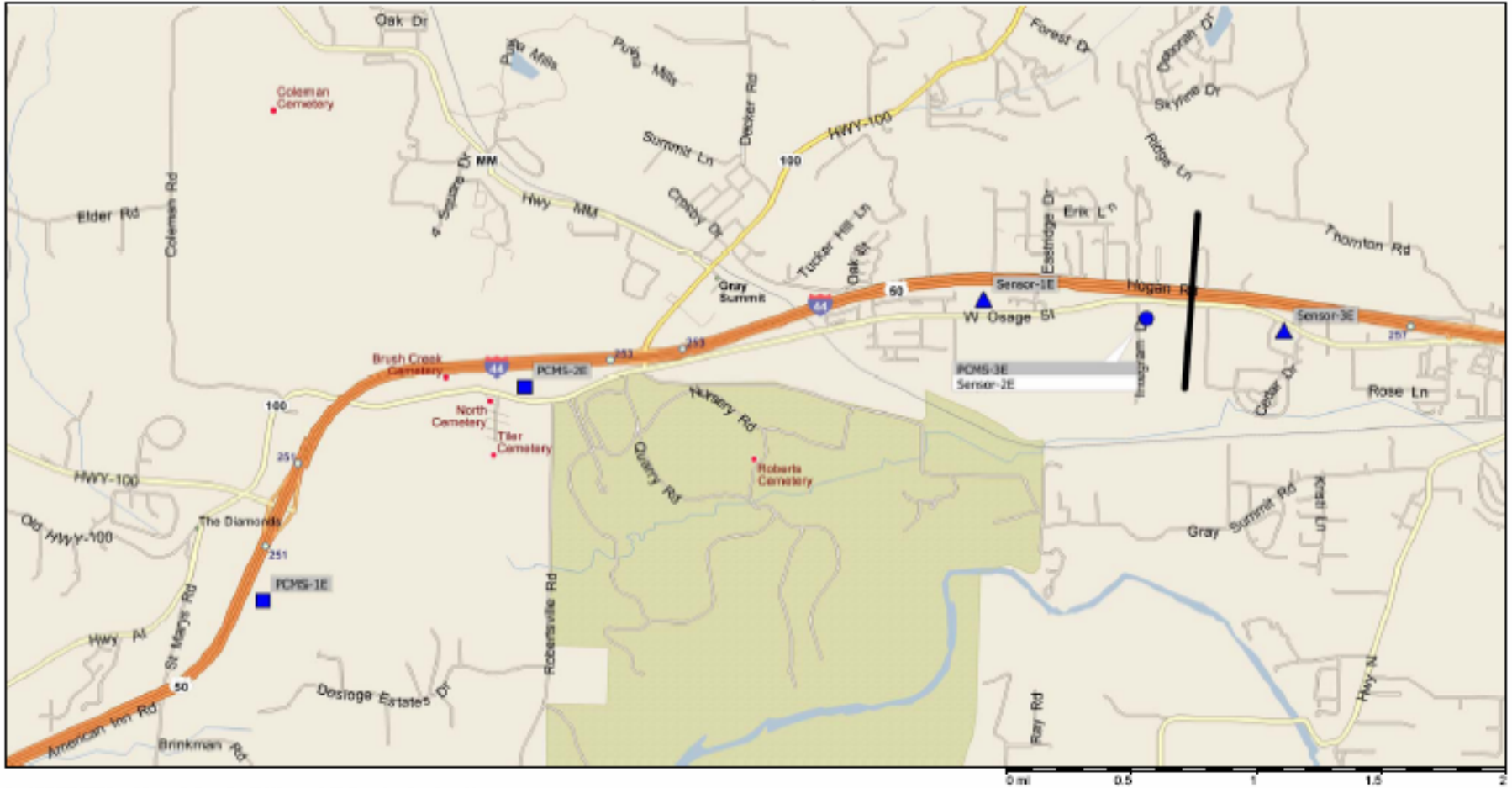


Interstate 44

Rural to Suburban Area

Portable Smart Work Zone

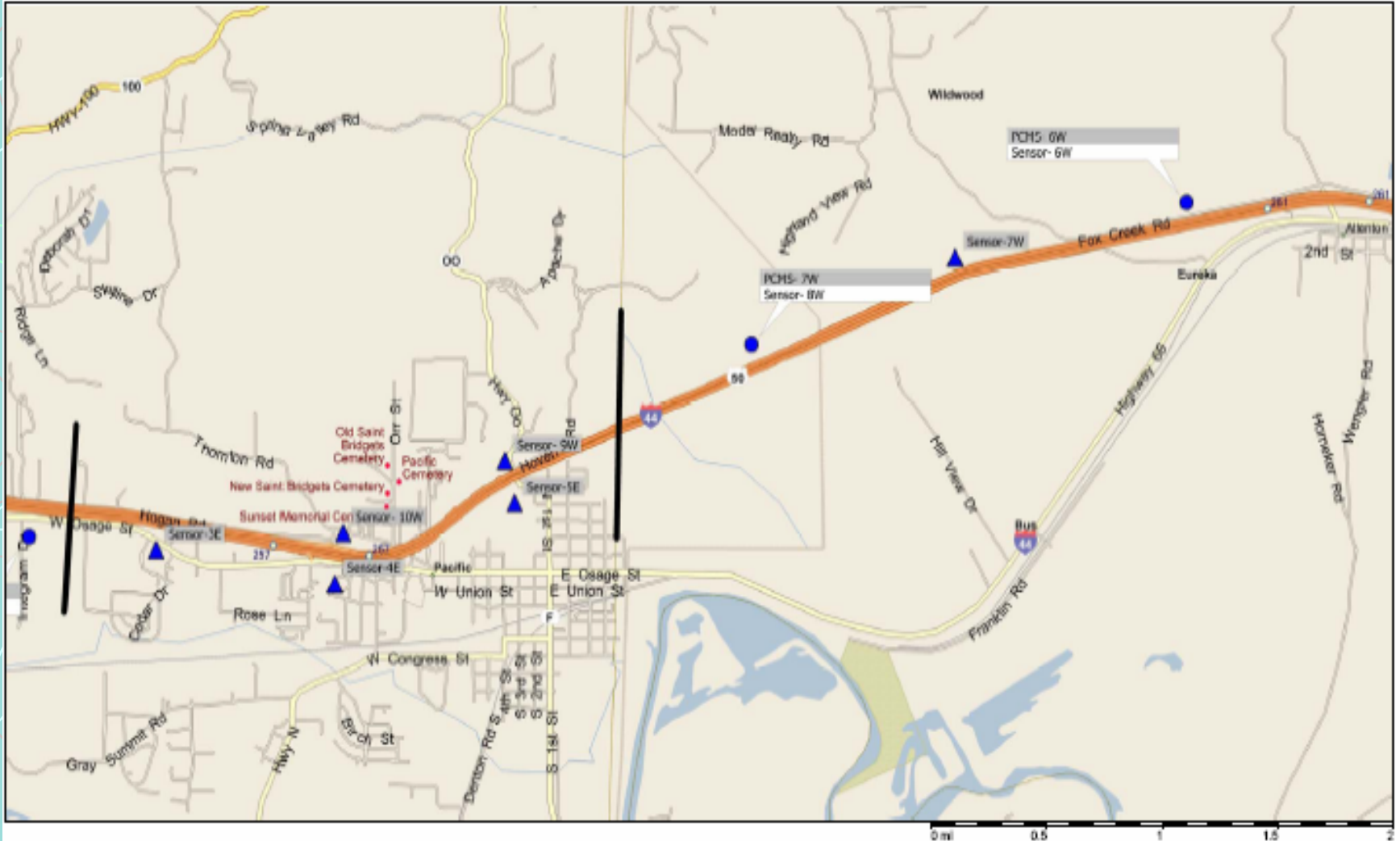
Work Zone Map 1



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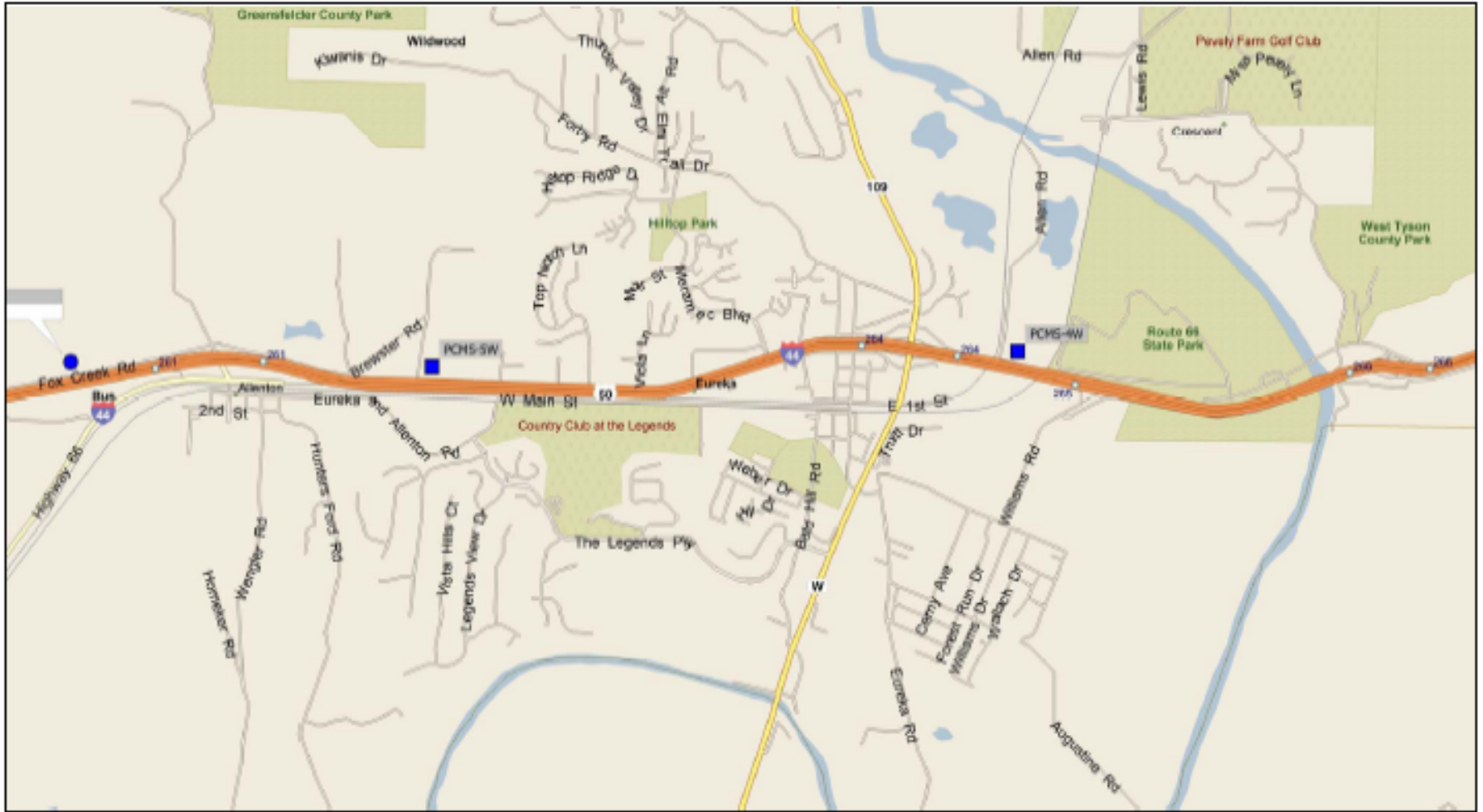
Portable Smart Work Zone

Work Zone Map 2

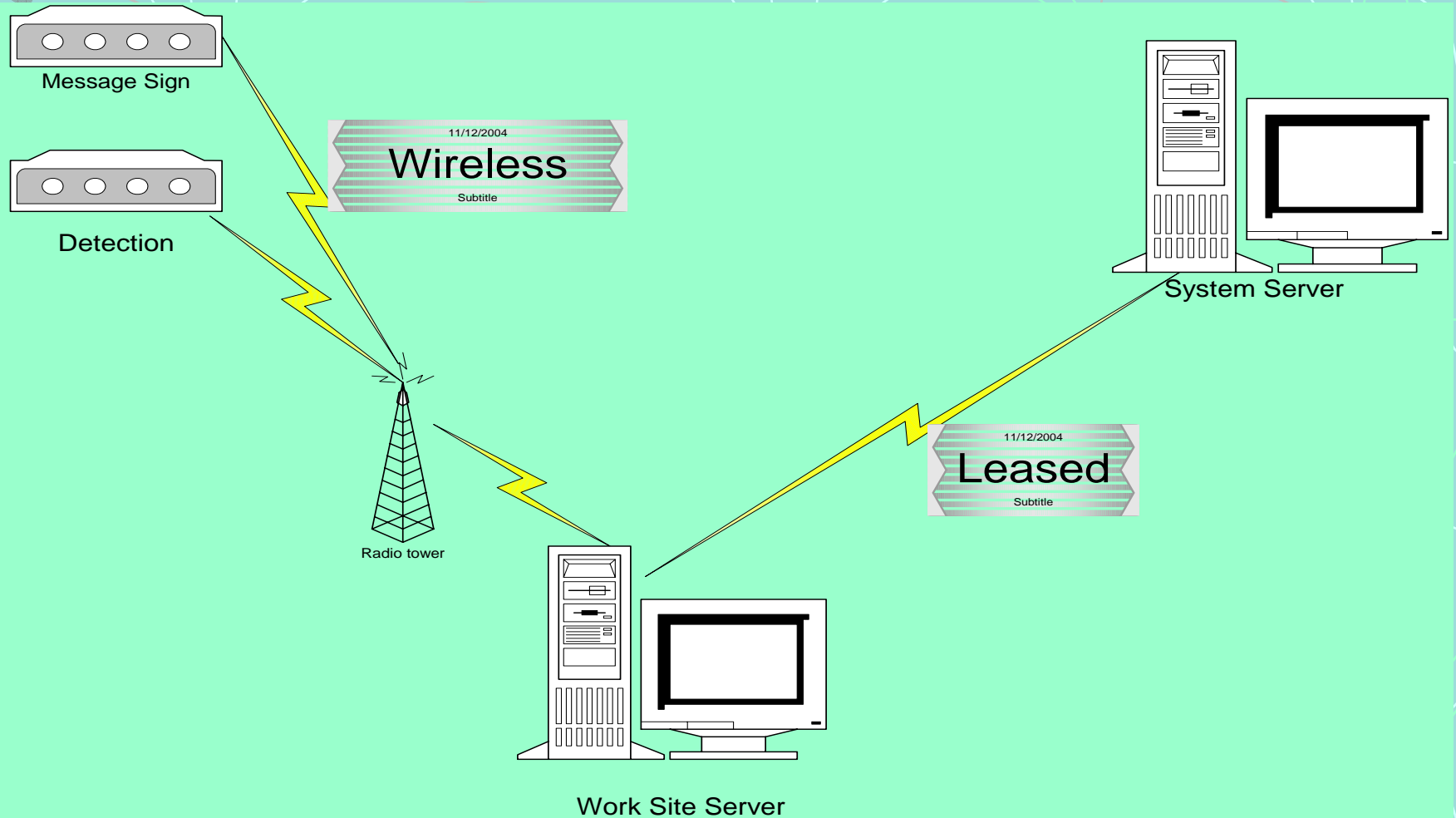


Portable Smart Work Zone

Work Zone Map 3



Portable Smart Work Zone



Portable Smart Work Zone



I-44 Smart Work Zone Web site

<http://24.123.172.35.9008/MOWEB.HTML>

Portable Smart Work Zone



Interstate 70 Eastbound
Missouri River Bridge

Portable Smart Work Zone



Portable Smart Work Zone





Portable Smart Work Zone

Eastbound Route Comparison - Missouri River Bridge Crossing

	MO 364	US 40	IS 70	MO 370
Fall 2004	25624	44299	92223	31504
Spring before Blanchette project begins	24174		93168	30475
Spring after Blanchette project begins	34600	45352	82038	36689
Net change	10426	1053	-11130	6214



Portable Smart Work Zone

- Lessons Learned
 - Communication links to systems are critical
 - Defined expectations in specification
 - Lease vs. Own Systems
 - Performance Measurements
 - Develop a good work relationship with Integrator
 - Be involved with messaging and event/incident scenarios

Portable Smart Work Zone



Questions