

**University of Texas
Center for Transportation Research**

Interlocal Agreement

Mobility Committee

February 3, 2016

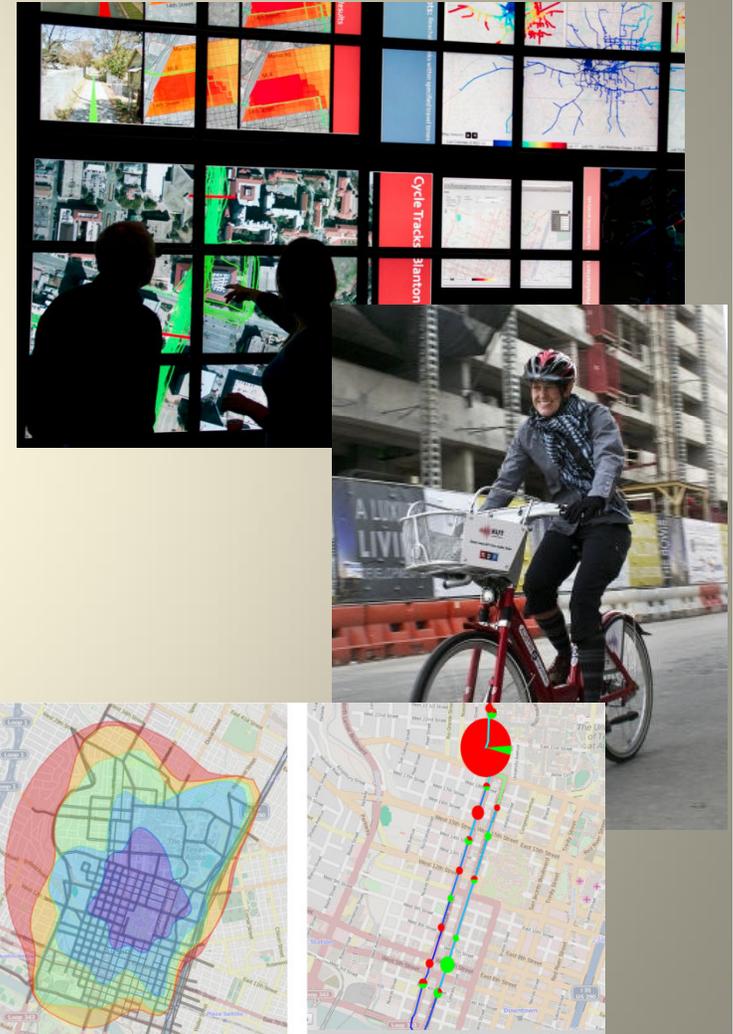
UT Center for Transportation Research (CTR)

- One of the leading university-based transportation research centers in the world.
- Local resource - Located at The University of Texas at Austin.
- CTR is part of the Tier 1 University of Texas Transportation Center for Data-Supported Transportation Operations and Planning (D-STOP), which was awarded to UT by the U.S. DOT.
- CTR currently contracts with:
 - TxDOT
 - National Science Foundation
 - US Dept. of Transportation
 - Transportation Safety Board
 - Federal Highway Administration
 - Federal Rail Administration
 - Department of Homeland Security
 - CAMPO
 - North Central Texas Council of Governments



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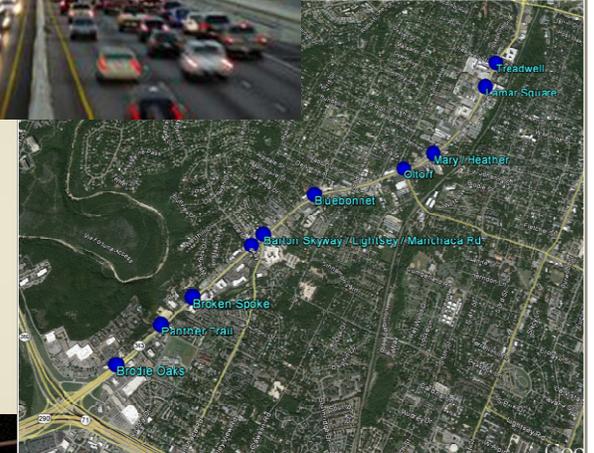
- Agreement Duration: 5 years
- Requested Authorization: \$500,000/year
- Provide access to multidisciplinary expertise:
 - Center for Transportation Research
 - Texas Advanced Computing Center
 - Electrical and Computer Engineering Departments
 - School of Architecture
 - Department of Communication Studies
 - Wireless Networking and Communications Group



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Initial Projects:

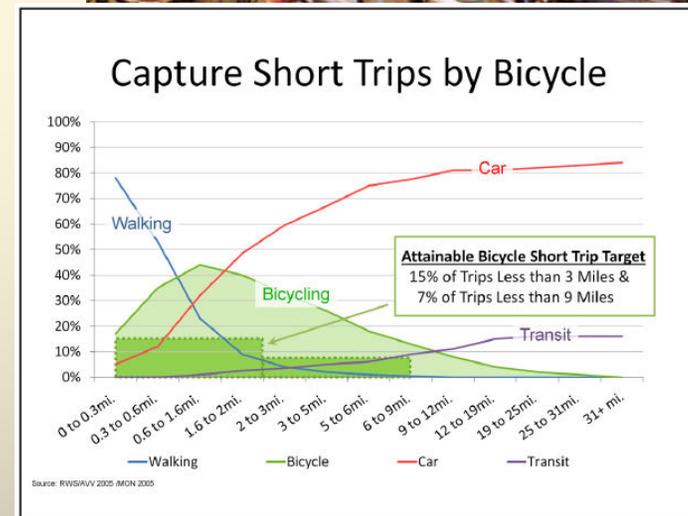
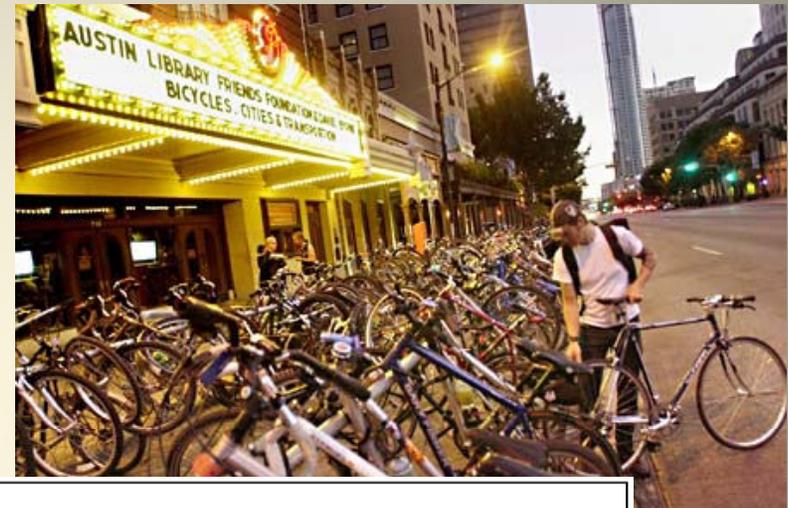
- Establish Traffic Management Center - performance metrics
- Develop data warehouse
 - Urban analytics
 - Open data portal
- Analyze adaptive signal control performance
- Travel demand management data analysis
- Best practices:
 - Safety & mobility project prioritization
 - ROW permit fees



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Potential Future Projects:

- White papers, research, peer-city reviews...
 - Automated vehicles
 - Trip generation & vehicle miles traveled development criteria
 - Sidewalk bike riding guidelines
 - Lane width impacts on mobility & safety
- Best practices for:
 - Arterial street health metrics
 - Transit preferential treatments
 - Complete Streets reporting metrics
- City-wide travel behavior survey design for improved infrastructure decision-making



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Mutually beneficial agreement:

Benefits to City:

- Access to varied expertise & experience
- Exposure to latest best practices and strategies from emerging research
- Extension of staff

Benefits to CTR:

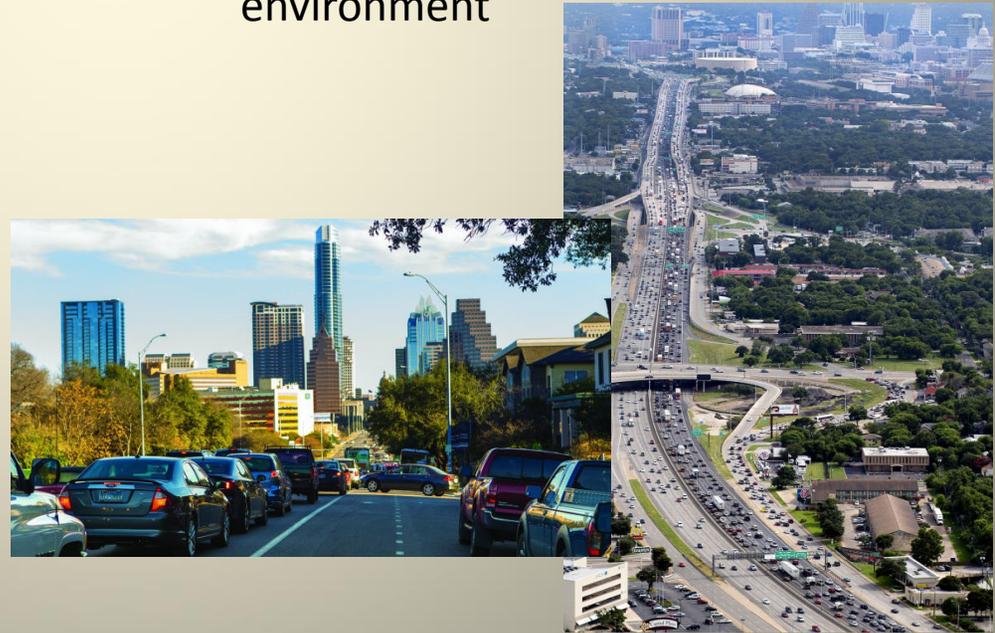
- Provides students/researchers real-world data for research
- Exposure to urban transportation challenges and opportunities
- Immersed in post-university work environment

Upcoming Schedule:

1/12/16 UTC

2/3/16 Mobility Committee

2/25/16 City Council



Thank You

