ITS = Better Air Quality

Ed Blayney @edblayney
Civic Innovation & Technology
Louisville Metro
Intelligent Transportation Systems

• Basics
• Emerging Challenges
• Benefits
• Investments
ITS Basics

- **Data**
  - Data Science
  - Crowdsourcing & Data Sharing

- **Technology**
  - Traffic Signal Controllers
  - Sensors

- **Infrastructure**
  - Fiber & cellular connectivity
  - Data Warehouse
TRB – 2019 Emerging Issues
ITS Benefits – Air Quality

- Increased Coordination
- Dynamic Routing
- Transit & Freight Prioritization
- Integration of Modes
- Automated Regulation
Investments
If a tree falls in the woods...
1960’s technology was impressive...
What is Data Science?
End State:

- Regional Data Sharing
- Connectivity to all urban signals
- Coordinated dynamic routing
- Sustained funding for ITS
- Congestion Pricing