

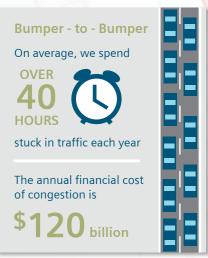
The Next Mobility Revolution Starts **Today with Ingenious Technologies** that Connect Us All

Trend



• Cities grow by two inhabitants per second

Transportation challenges across the United States



costs increase

Road Congestion billion





billion gallons



Increasingly complex traffic situations at urban intersections require more intelligent solutions. Luckily, real-time data can translate into better information to manage safety and efficiency at these intersections.

Tampa, FL is at the forefront of implementing innovative vehicle-to-infrastructure technology. How Siemens helps Tampa keep moving, improving safety and reducing greenhouse gas emissions.



Morning Peak Hour Queues

- Reduce congestion/queuing on Reversible Express Lane curve exit
- · Improve traffic movement



Wrong Way Entry

- Warn wrong way driver
- · Communicate wrong way driver to law enforcement



TECO Line Street Car Conflicts

• Reduce trolley/vehicle collisions



Enhanced Signal Coordination and Traffic Progression

- Improve drivers (commuters) travel times
- Improve pedestrian safety





How is Siemens doing all this?

By implementing 40 roadside units to communicate infrastructure messages to the vehicles and 1500 on-board units to give position, direction and communicate back to the infrastructure.