

## **Cost/Benefit Analysis of Fuel Efficient Speed Control Using Signal Phasing and Timing (SPaT) Data: Evaluation for Future Connected Corridor Deployment**

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**Principal Investigator:** Michael Levin, University of Minnesota

**Project Champion:** Cory Johnson, MnDOT

Due to rising fuel costs and environmental impact, consumers are increasingly aware of fuel efficiency (MPG) in the vehicles they purchase, which is reflected in increasing hybrid and electric vehicle sales. A major source of fuel consumption is acceleration/deceleration cycles caused by stopping at red lights; acceleration from a full stop requires significant power. This project will study the potential benefits to drivers of wider deployment of signal phasing and timing at intersections in Minnesota.