Assessing Longitudinal Arterial Performance & Traffic Signal Retiming Outcomes

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**STUDY CORRIDOR: SR37 NORTH, FISHERS, IN**

High-Resolution Controller Data

**DATA-DRIVEN OFFSET OPTIMIZATION**

2010, 2013, 2015 Retiming

**ASSESSMENT OF 5-YEAR OPTIMIZATION OUTCOMES**

Volumes Increased; Percent on Green Also Increased

Total Vehicle Arrivals

Percent Arrivals on Green/Red

Weekdays

Saturdays

Arterial Green Times Remained Constant

Travel Time Distribution Analysis

2010 Southbound

2010 Northbound

**User Costs Decreased During Each Optimization**

Travel Time (TT) + Travel Time Reliability (TTR) Costs

Travel Time Costs

Travel Time Reliability Costs

Annualized User Cost Tabulation

Total of annualized user benefits from 2010, 2013, and 2015 optimizations: $4,241,723