Martin Luther King, Jr Boulevard/31st Avenue: Downing Street to Quebec Street

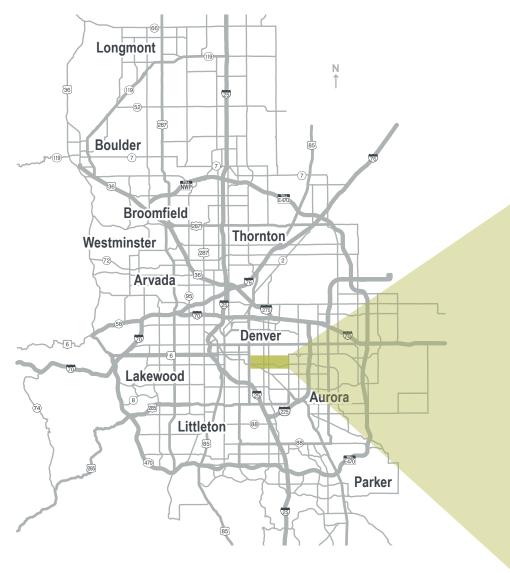


Federal Funds for Denver

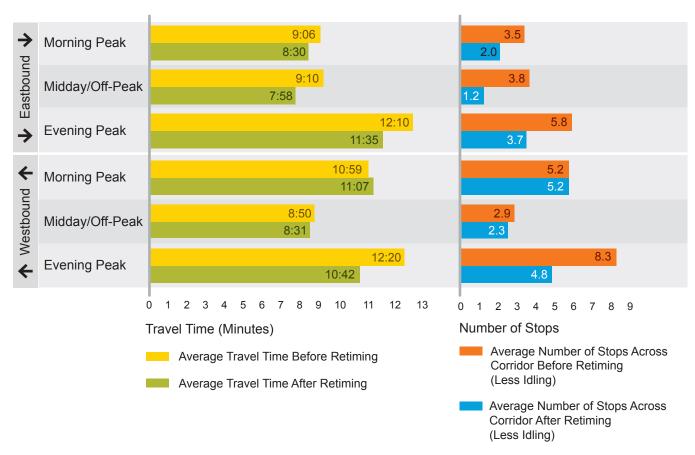
DRCOG engineering staff developed the signal timing and coordination plans in partnership with the project stakeholders.

Project Achievements

Performance Measures	Daily Reduction
Vehicle travel time	300 hours
Fuel consumption	200 gallons
Time and fuel costs	\$7,000 savings daily and \$1,750,000 annual savings
Greenhouse gas emissions	4,300 pounds
Emissions of six EPA-regulated pollutants	50 pounds

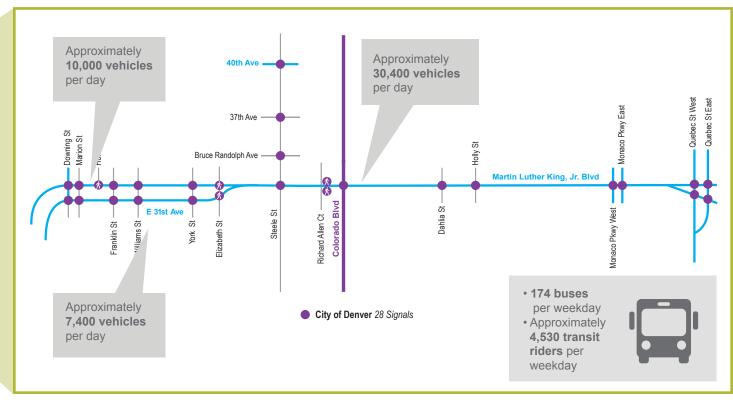


Overall Improvements



Project Scope

MLK Boulevard/31st Avenue (3.8 miles)



Traffic Signal Coordination

Traffic signal coordination allows traffic to travel along a street without stopping at every light. A major component of any coordinated signal-timing plan is properly-sized cycle length shared by each intersection along the corridor. The cycle length is the time required for one sequence of signal displays (green, yellow and red) around an intersection to be lit for each approach. DRCOG's engineers evaluate cycle lengths to strike a balance between intersection capacity and delay for all users. The cycle lengths vary by time of day to account for fluctuating numbers of vehicles, bicyclists and pedestrians.



For more information about signal timing, see: bit.ly/SignalRed For more information about DRCOG's traffic operations program, see: bit.ly/TrafficOps

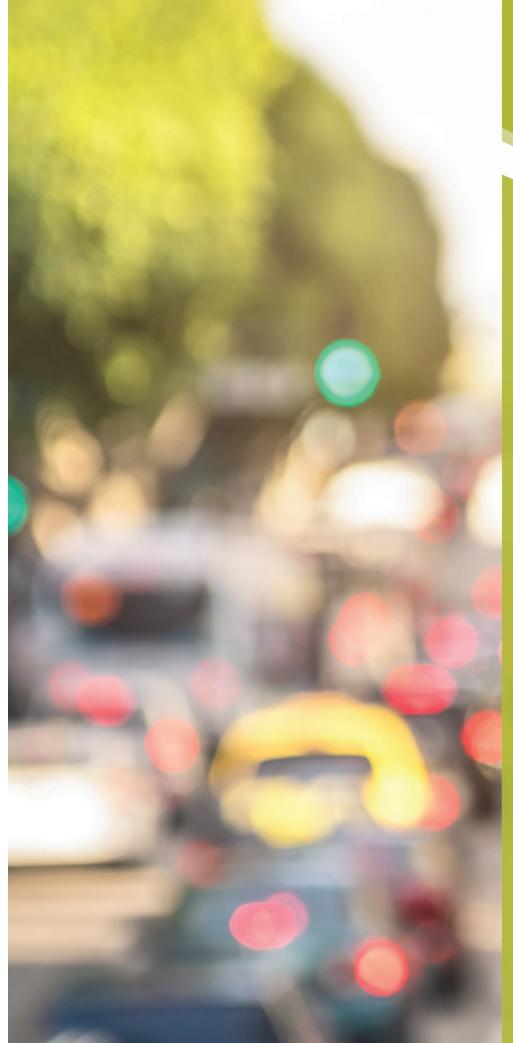




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SIGNAL TIMING PROJECT BRIEF

Martin Luther King, Jr Boulevard/31st Avenue: Downing Street to Quebec Street

The Denver Regional Council of **Governments (DRCOG) leads** multijurisdictional partnerships to achieve optimal signal timing and coordination on area roadways. **Traffic signal timing adjustments** provide the smoothest possible flow for cars, trucks and buses. At the same time, safety is enhanced for all users, including pedestrians and bicyclists. Signal timing optimization saves drivers time and money, minimizes greenhouse gas and pollutant emissions, and enhances air quality.