

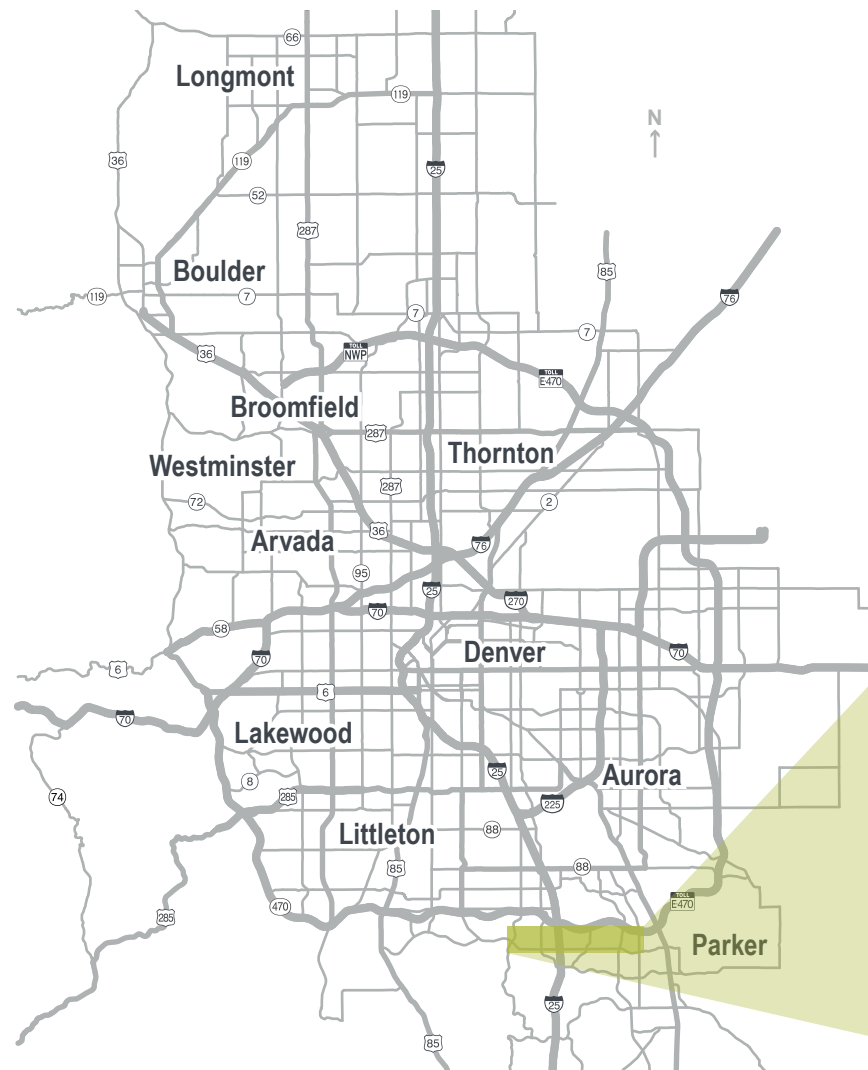
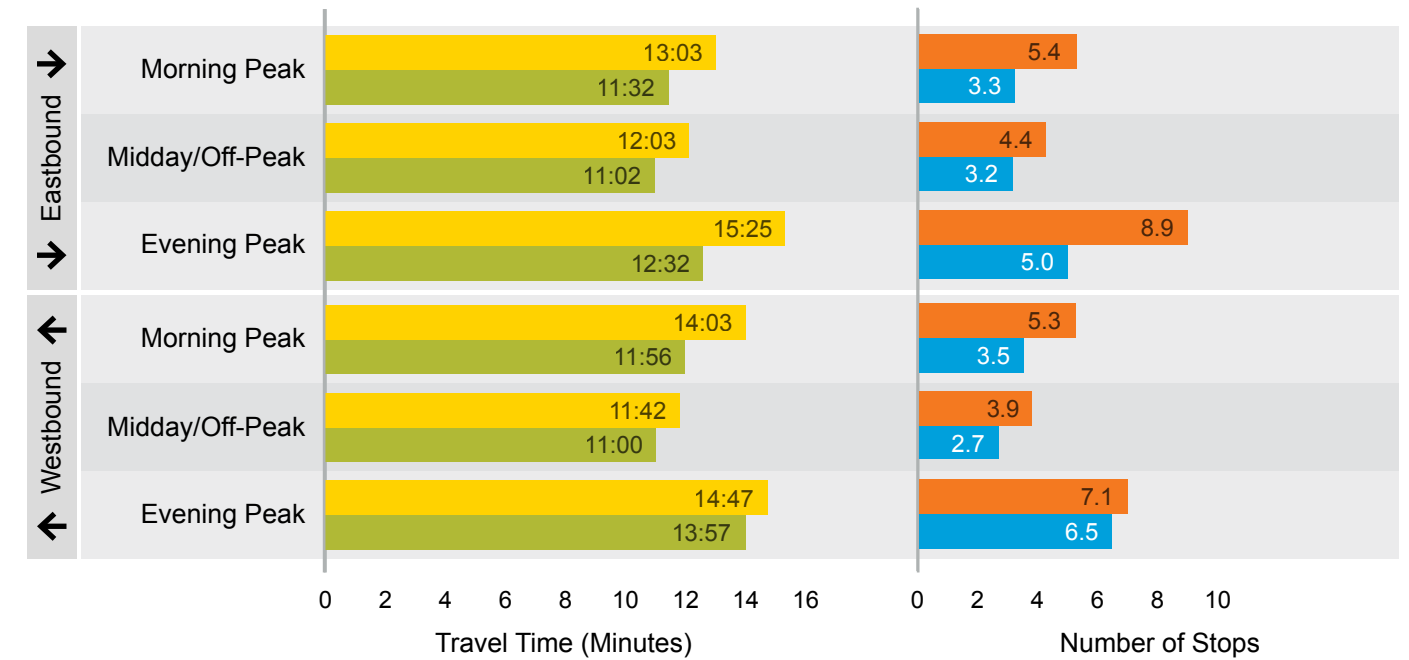
Lincoln Avenue: Quebec Street to Village Center Drive



Project Achievements

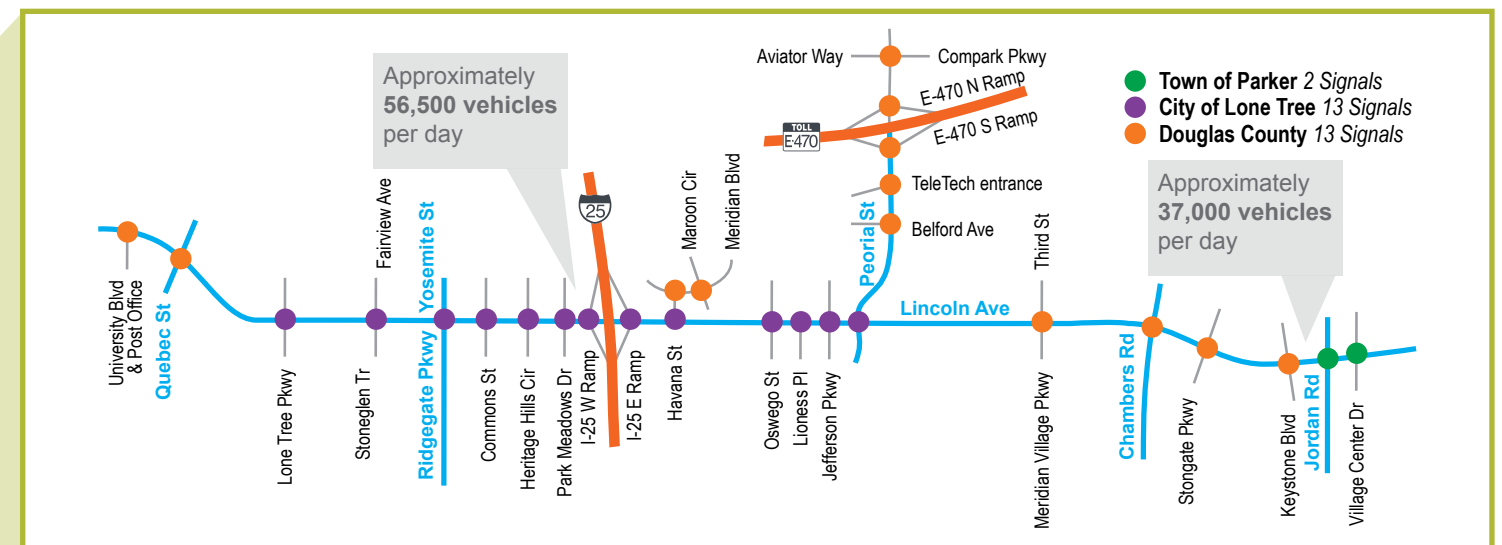
Performance Measures	Daily Reduction
Vehicle travel time	1,100 hours
Fuel consumption	800 gallons
Time and fuel costs	\$26,000 savings daily \$6,500,000 annually
Greenhouse gas emissions	15,400 pounds
Emissions of six EPA-regulated pollutants	180 pounds

Overall Improvements



Project Scope

Lincoln Avenue (6.7 miles)



Federal Funds for Douglas County and City of Lone Tree

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

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.

Time of day	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
1 University Blvd & Post Office	135-second cycle	120-second cycle	140-second cycle	100-second cycle	120-second cycle	90-second cycle	60-second cycle	70-second cycle	FREE	FREE	FREE	FREE	FREE
2 Lincoln Ave & Quebec St													
3 Lincoln Ave & Lone Tree Pkwy													
4 Lincoln Ave & Stoneglen Tr/Fairview Ave													
5 Lincoln Ave & Ridgegate Pkwy/Yosemite St													
6 Lincoln Ave & Commons St													
7 Lincoln Ave & Heritage Hills Cir													
8 Lincoln Ave & Park Meadows Dr													
9 Lincoln Ave & I-25 West Ramp													
10 Lincoln Ave & I-25 East Ramp													
11 Lincoln Ave & Havana St													
12 Lincoln Ave & Oswego St													
13 Lincoln Ave & Lioness Pl													
14 Lincoln Ave & Jefferson Pkwy													
15 Lincoln Ave & Peoria St													
16 Lincoln Ave & Meridian Village Pkwy/Third St	120-second cycle	100-second cycle	120-second cycle	70-second cycle	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	
17 Lincoln Ave & Chambers Rd													
18 Lincoln Ave & Stoneglen Pkwy													
19 Lincoln Ave & Keystone Blvd													
20 Lincoln Ave & Jordan Rd													
21 Lincoln Ave & Village Center Dr													
22 Peoria St & Aviator Way/Compark Blvd	90-second cycle	60-second cycle	70-second cycle	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	
23 Peoria St & E-470 North Ramp													
24 Peoria St & E-470 South Ramp													
25 Peoria St & TeleTech entrance													
26 Peoria St & Belford Ave													
27 Meridian Blvd & Havana St													
28 Meridian Blvd & Maroon Cir													

Douglas County
 City of Lone Tree
 Town of Parker

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

Lincoln Avenue: Quebec Street to Village Center Drive

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.

May 2017 - T17-01b

TPO-STB-T17-01b-17-08-04-V03