

Sheridan Boulevard (North): 72nd Avenue to Colfax Avenue

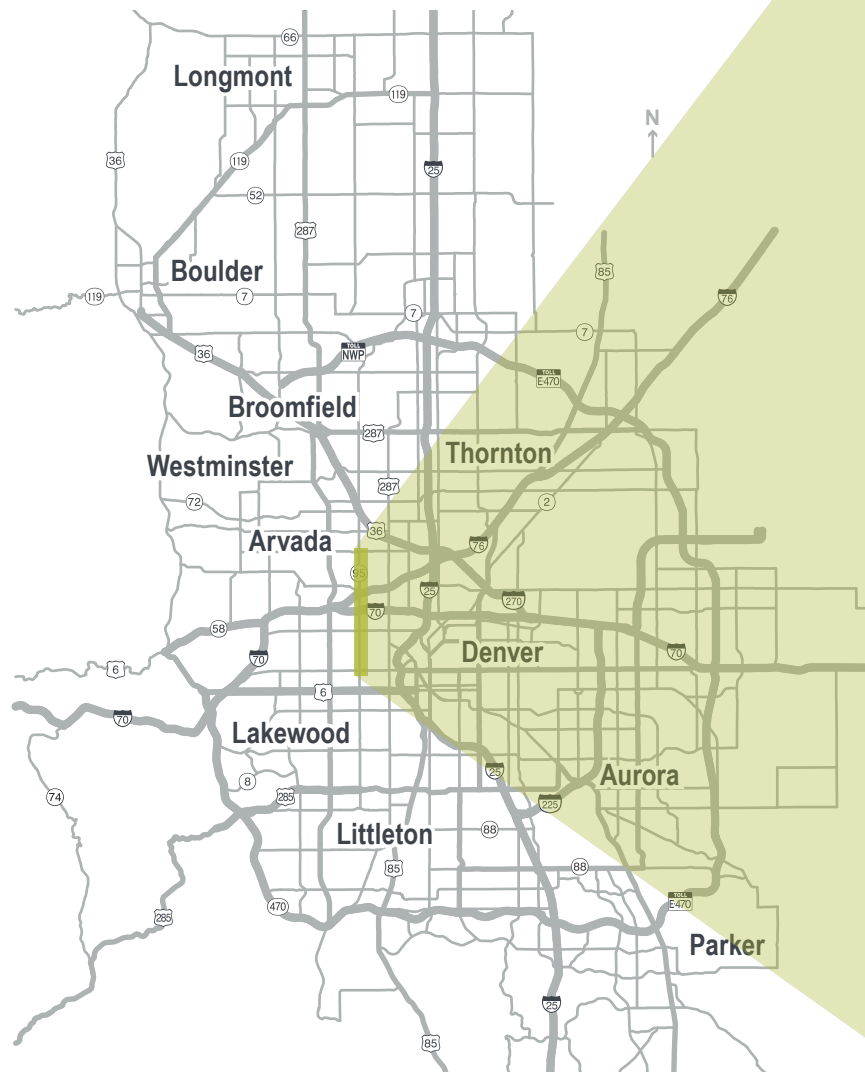


Federal Funds for Denver

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

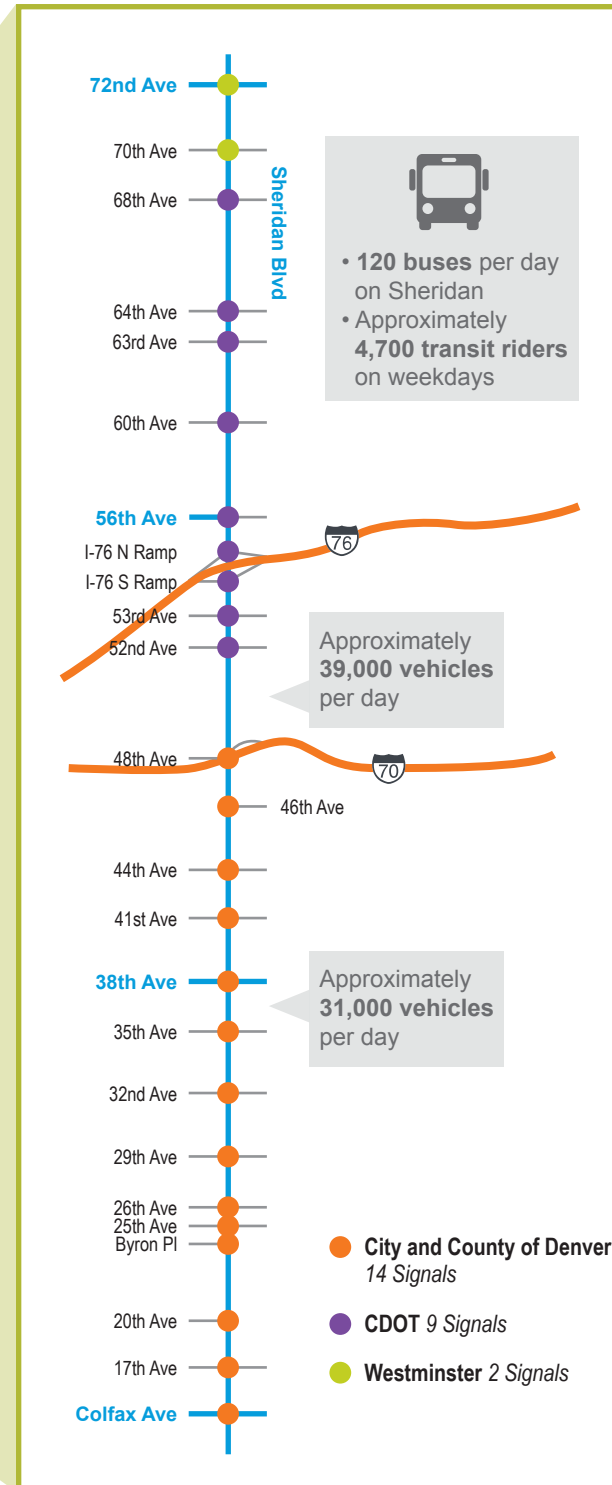
Project Achievements

Performance Measures	Daily Reduction
Vehicle travel time	1,435 hours
Fuel consumption	1,106 gallons
Time and fuel costs	\$34,350 savings daily (\$8.59 million annually)
Greenhouse gas emissions	21,266 pounds
Emissions of six EPA-regulated pollutants	244 pounds

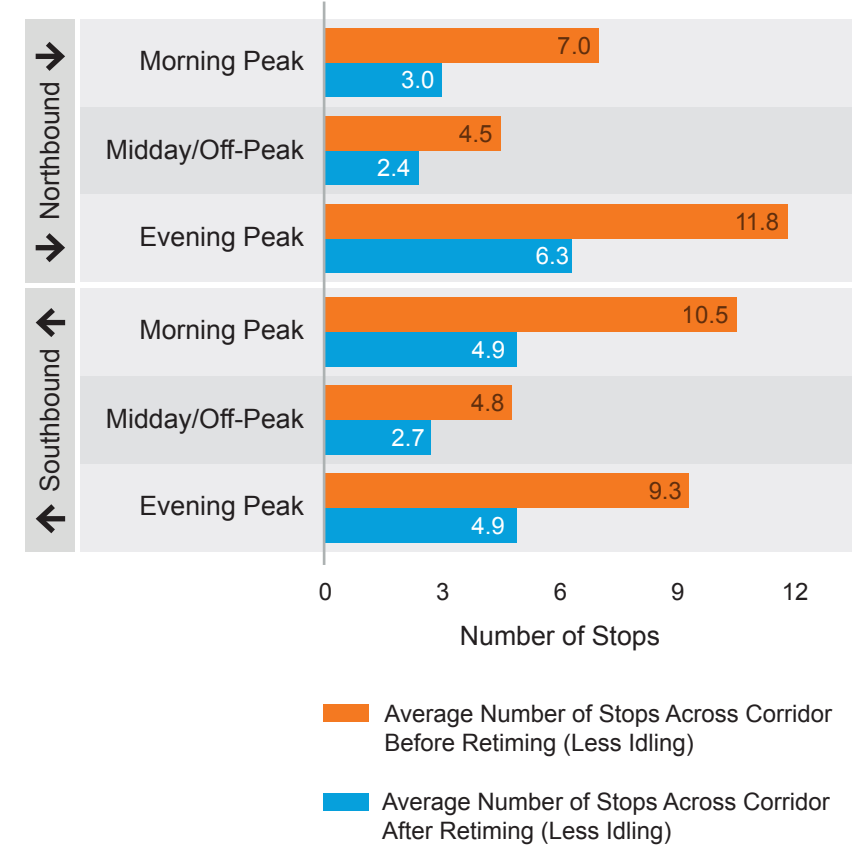
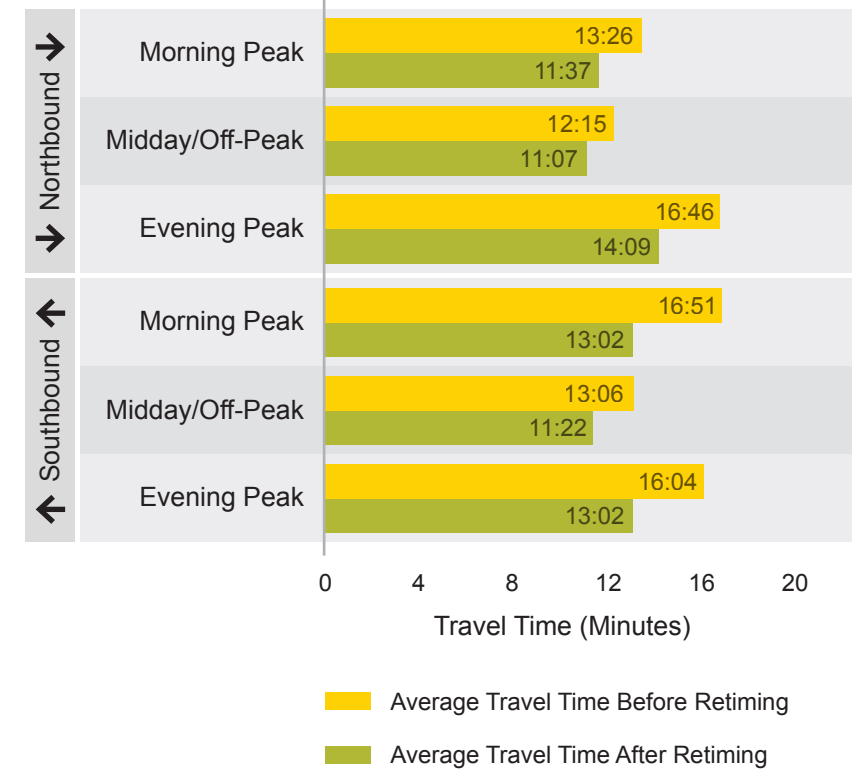


Project Scope

Sheridan Boulevard North (6.0 miles)



Overall Improvements



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 Sheridan Blvd & 72nd Ave	120-second cycle			100-second cycle										
2 Sheridan Blvd & 70th Ave														
3 Sheridan Blvd & 68th Ave														
4 Sheridan Blvd & 64th Ave														
5 Sheridan Blvd & 63rd Ave														
6 Sheridan Blvd & 60th Ave														
7 Sheridan Blvd & 56th Ave														
8 Sheridan Blvd & I-76 North Ramp														
9 Sheridan Blvd & I-76 South Ramp														
10 Sheridan Blvd & 53rd Ave														
11 Sheridan Blvd & 52nd Ave														
12 Sheridan Blvd & 48th Ave														
13 Sheridan Blvd & 46th Ave														
14 Sheridan Blvd & 44th Ave														
15 Sheridan Blvd & 41st Ave														
16 Sheridan Blvd & 38th Ave														
17 Sheridan Blvd & 35th Ave														
18 Sheridan Blvd & 32nd Ave														
19 Sheridan Blvd & 29th Ave														
20 Sheridan Blvd & 26th Ave														
21 Sheridan Blvd & 25th Ave														
22 Sheridan Blvd & Byron Pl														
23 Sheridan Blvd & 20th Ave														
24 Sheridan Blvd & 17th Ave														
25 Sheridan Blvd & Colfax Ave														

City of Westminster
 CDOT
 City and County of Denver

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

Sheridan Boulevard (North):
 72nd Avenue to Colfax Avenue

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.