# Signal Timing Briefs

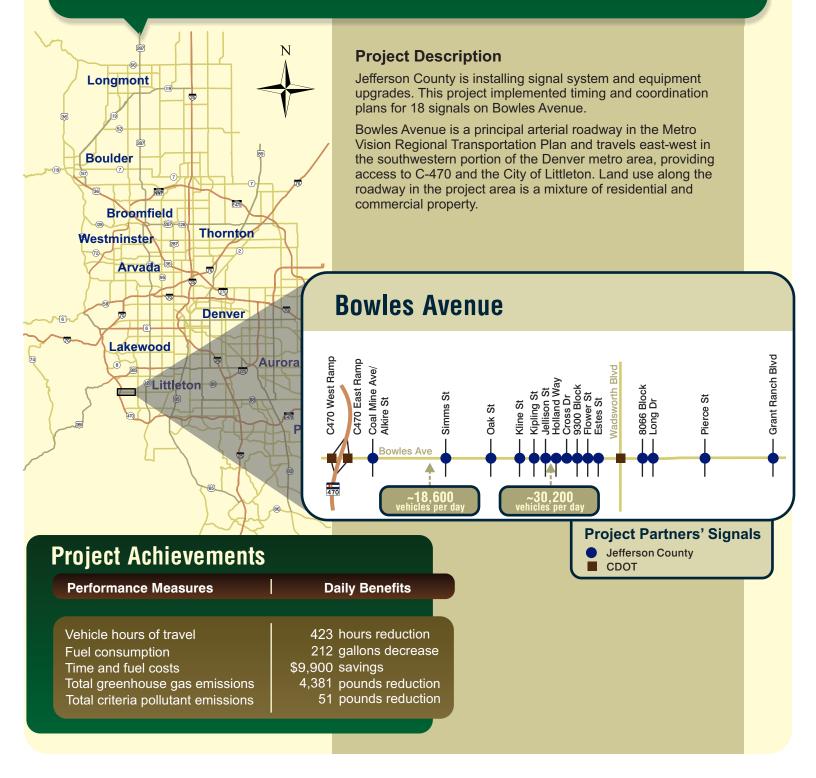
DRGQG DENVER REGIONAL COUNCIL OF GOVERNMENTS

Mobility

We make life better!

# Bowles Avenue: C-470 West Ramp to Grant Ranch Boulevard

The Denver Regional Council of Governments leads multijurisdictional partnerships to achieve optimal signal timing and coordination on area roadways. Adjustments to signal timing are key to ensuring the smoothest possible flow for drivers, saving time and money. Signal timing also minimizes greenhouse gas emissions and other pollutant emissions, preserving and enhancing air quality.



## **Bowles Avenue: C-470 West Ramp to Grant Ranch Boulevard**

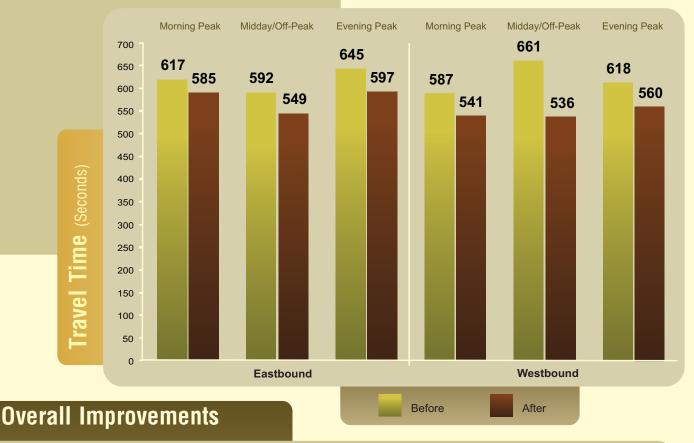
		Timing Revision Weekday:					
		Morning Peak		Midday/Off-Peak		Evening Peak	
		Before	After	Before	After	Before	After
Time Period	C-470 West Ramp to Pierce St	6:30 - 9:00 a.m (no change)		11:30 a.m 4:00 p.m. <sup>1,2</sup>	9:00 a.m	4:00 - 7:00 p.m <sup>2</sup>	
	Grant Ranch Blvd	6:00 - 8:30 a.m.	6:30 - 9:00 a.m.	8:30 a.m 3:00 p.m.	3:30 p.m.	3:00 - 7:00 p.m.	7:00 p.m.
Cycle Length (seconds)	C-470 West Ramp to Pierce St	100 (no change)		100 (no change)		120 (no change)	
	Grant Ranch Blvd			90 (no change)			
Other Timing Parameters			Revised		Revised		Revised

### Travel Time Improvements (5.1 miles end to end)

Improvements were obtained during all periods in both directions.

<sup>1</sup> An additional plan operated from 9:00 to 11:30 am with a 90second cycle length.

<sup>2</sup> The transition from mid-day to evening timing plans was at 3:30 pm for Wadsworth Boulevard.



The value to motorists, in terms of weekday time and fuel savings, is calculated to be approximately \$9,900 daily or about \$2.5 million annually. An additional benefit of the project is improved reliability of signal operations, thanks to equipment upgrades. These upgrades allow traffic signal malfunctions to be quickly detected and reported. This results in less stopping and delays for the traveling public.

#### DENVER REGIONAL COUNCIL OF GOVERNMENTS 1290 BROADWAY • SUITE 700 • DENVER COLORADO 80203-5606 • 303-455-1000 • FAX 303-480-6790 • WWW.DRCOG.ORG