Signal Timing Briefs

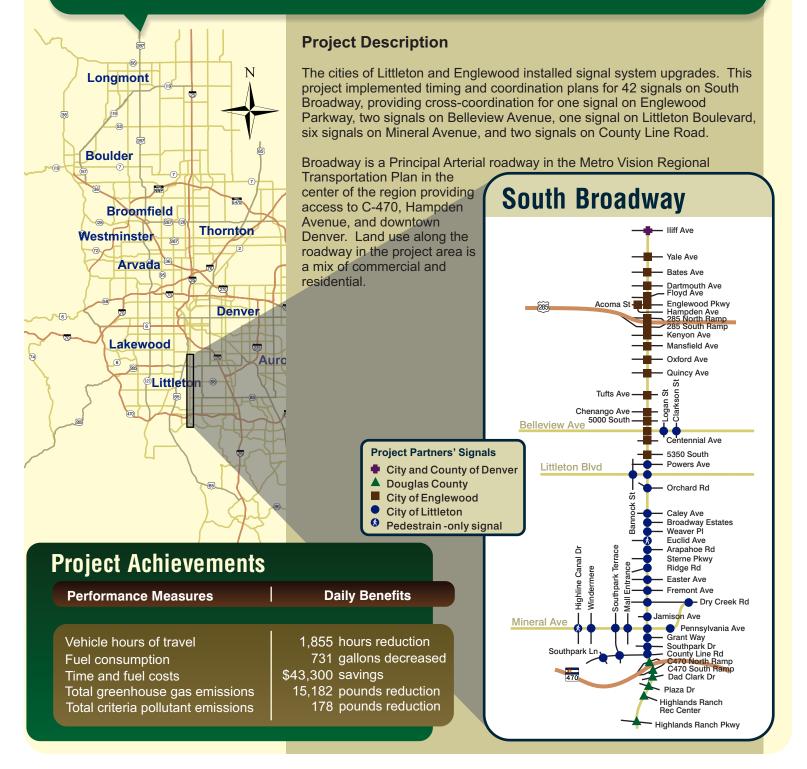
DRGQG-DENVER REGIONAL COUNCIL OF GOVERNMENTS

Mobility

We make life better!

South Broadway: Highlands Ranch Parkway to Iliff Avenue

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.



South Broadway: Highlands Ranch Parkway to Iliff Avenue							
		Timing Revision Weekday					
		Morning Peak		Midday/Off-Peak		Evening Peak	
		Before	After	Before	After	Before	After
Time Period	lliff Ave	5:00- 10:00 a.m.	6:30- 9:30 a.m.	10:00 a.m 2:00 p.m.	9:30 a.m 3:00 p.m.	2:00 - 7:00 p.m.	3:00 - 7:00 p.m.
	Yale to 5000 South	6:30- 9:00 a.m.		9:00 a.m 3:30 p.m.		3:30 - 6:30 p.m.	
	Belleview to 5350 South			9:00 a.m 3:00 p.m.		3:00 - 6:00 p.m.	
	Powers to Highlands Ranch Rec. Center	6:30- 9:00 a.m.		10:00 a.m 3:00 p.m.		3:00 - 7:00 p.m.	
	Highlands Ranch Pkwy	6:00- 8:30 a.m.	6:00- 9:00 a.m.	8:30 a.m 4:00 p.m.	9:00 a.m 3:00 p.m.	4:00 - 6:30 p.m.	
Cycle Length (seconds)	lliff Ave	100	120	90	100	100	120
	Yale to 5000 South	120		100		120	
	Belleview to 5350 South			90			
	Powers to Highlands Ranch Rec. Center			100			
	Highlands Ranch Pkwy	106		110			

Revised

Revised

Revised

Travel Time Improvements (8.7 miles end to end)

Other Timing Parameters

Improvements were obtained during all periods in both directions.



Overall Improvements

The value to motorists, in terms of weekday time and fuel savings, is calculated to be approximately \$43,300 daily, or about \$10.83 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.

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