



2019 Corridor Retiming Program

WHY SIGNAL RETIMING?

In 2019, MetroPlan Orlando completed retiming projects on 29 corridors throughout the MetroPlan Orlando planning area.

Signal retiming along corridors is a relatively low-cost Transportation Systems Management and Operations (TSMO) strategy that typically results in measureable benefits.



Regular signal retiming helps improve traffic flow and account for changes in traffic patterns.

2019 Retiming Benefits



Reduced Travel Time

337,000
hrs/yr



Fuel Savings

294,000
gal/yr



Reduced Vehicle Emissions

2,800
tons CO₂/yr

KEY FINDINGS FOR 2019 PROGRAM

↓ 86%

Travel Time Reduction

25 of 29 Corridors
Avg 8% Reduction in Travel Time



↑ 14%

Travel Time Increase

4 of 29 Corridors
Avg 1% Increase in Travel Time



Total Program Cost \$1.3 million | Total Benefit Value \$17.8 Million Over 3 Years

Overall Benefit Cost (b/c) Ratio 14.1

KEY FINDINGS BY COUNTY

Orange County

79%

Net Positive Benefit
15 of 19 Corridors | b/c 12.9

Osceola County

100%

Net Positive Benefit
3 of 3 Corridors | b/c 32.2

Seminole County

100%

Net Positive Benefit
7 of 7 Corridors | b/c 11.9

OBSERVATIONS

- Corridors with a higher beginning travel time tend to have a greater reduction in travel time after retiming
- Corridors with more lanes in each direction tend to have a higher b/c ratio
- Travel time reduced by 7% on average after retiming

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A REGIONAL TRANSPORTATION PARTNERSHIP