



2024 Corridor Retiming Program

WHY SIGNAL RETIMING

Signal retiming along corridors is a relatively low-cost Transportation Systems Management and Operations (TSMO) strategy that typically results in measurable benefits. Regular signal retiming can help improve traffic flow for all users and account for changes in traffic patterns.



2024 Retiming Results



Increase in Travel Time Delay
23,000
veh-hrs/yr



Increased Fuel Costs
6,085
gal/yr



Increased Vehicle Emissions
59
tons CO₂/yr

Total Program Cost \$1.0 Million | Total Cost Value -\$0.4 Million Over 3 Years
Overall Benefit Cost (b/c) Ratio -0.4

Historic Benefit Cost (b/c) Ratios

2023 | 16.4

2022 | -16.9

2021 | 7.9

b/c ratios only consider corridor travel time savings

2024 KEY ACTIVITIES & FINDINGS

Retimed 20 Corridors & 4 Individual Intersections

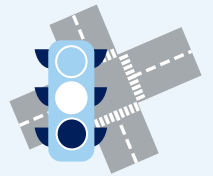
50%

of corridors now have *shorter* Travel Times



25%

of individual intersections had *less* Intersection Delay during the peak-period



80%

of corridors have **Reliable Travel Times** both before and after retiming



6%

of intersections had *less* Pedestrian Delay during the peak-period



85%

of corridors now have **Motorists Stopping** fewer times



SUMMARY BY COUNTY

Orange County

46%

Net Positive Benefit

6 of 13 Corridors | b/c -10.9

1 of 5 Intersections* | b/c -1.1

*Benefits of the intersections retimed are included in the corridor benefits

Osceola County

100%

Net Positive Benefit

2 of 2 Corridors | b/c 7.0

Seminole County

50%

Net Positive Benefit

2 of 4 Corridors | b/c -2.4

*Benefits of the intersections retimed are included in the corridor benefits

metroplan orlando

A REGIONAL TRANSPORTATION PARTNERSHIP