



# 2021 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 helps improve traffic flow and account for changes in traffic patterns.



## 2021 Retiming Benefits



Reduced Travel Time Delay  
**140,000**  
veh-hrs/yr



Fuel Savings  
**121,500**  
gal/yr



Reduced Vehicle Emissions  
**1,180**  
tons CO<sub>2</sub>/yr

Total Program Cost \$1.0 Million | Total Benefit Value \$7.8 Million Over 3 Years  
**Overall Benefit Cost (b/c) Ratio 7.9**

### Historic Benefit Cost (b/c) Ratios

2020 | 21.7

2019 | 14.1

2018 | 8.8

*b/c ratios only consider corridor travel time savings*

## 2021 KEY ACTIVITIES & FINDINGS

**73%**

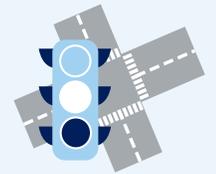
of corridors now have *shorter* **Travel Times**



**Retimed 26 Corridors (with 188 Intersections)**

**52%**

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



**73%**

of corridors now have **Reliable Travel Times** compared to 69% before retiming



**73%**

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



## SUMMARY BY COUNTY

Orange County

**61%**

Net Positive Benefit  
11 of 18 Projects | b/c 7.5

Osceola County

**100%**

Net Positive Benefit  
2 of 2 Projects | b/c 22.5

Seminole County

**67%**

Net Positive Benefit  
4 of 6 Projects | b/c 1.2

metroplan orlando

A REGIONAL TRANSPORTATION PARTNERSHIP