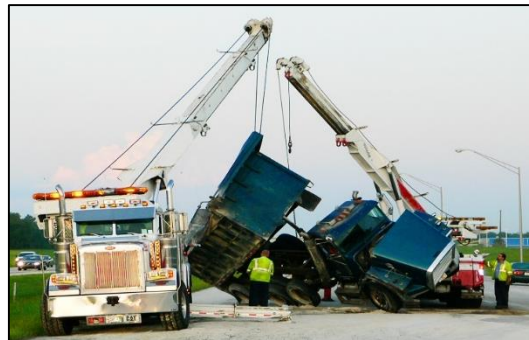


ONE
VEHICLE
PER
GREEN

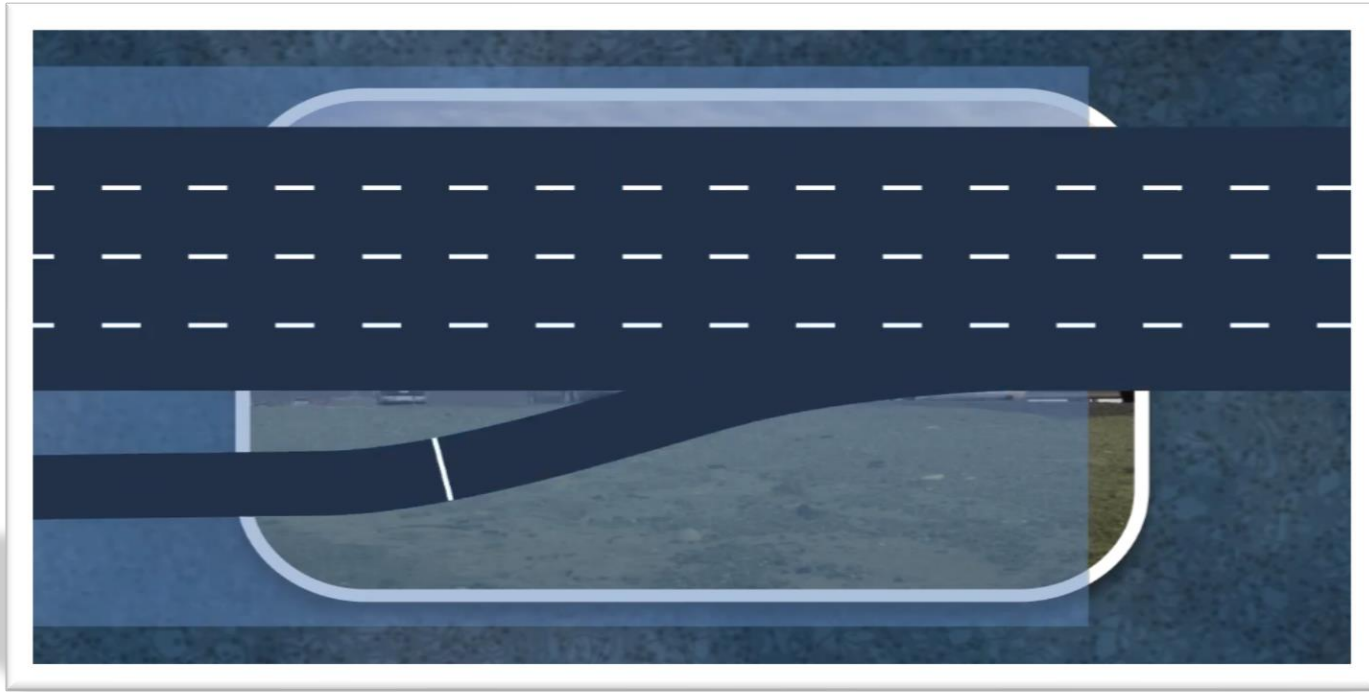
DISTRICT FOUR RAMP SIGNALING



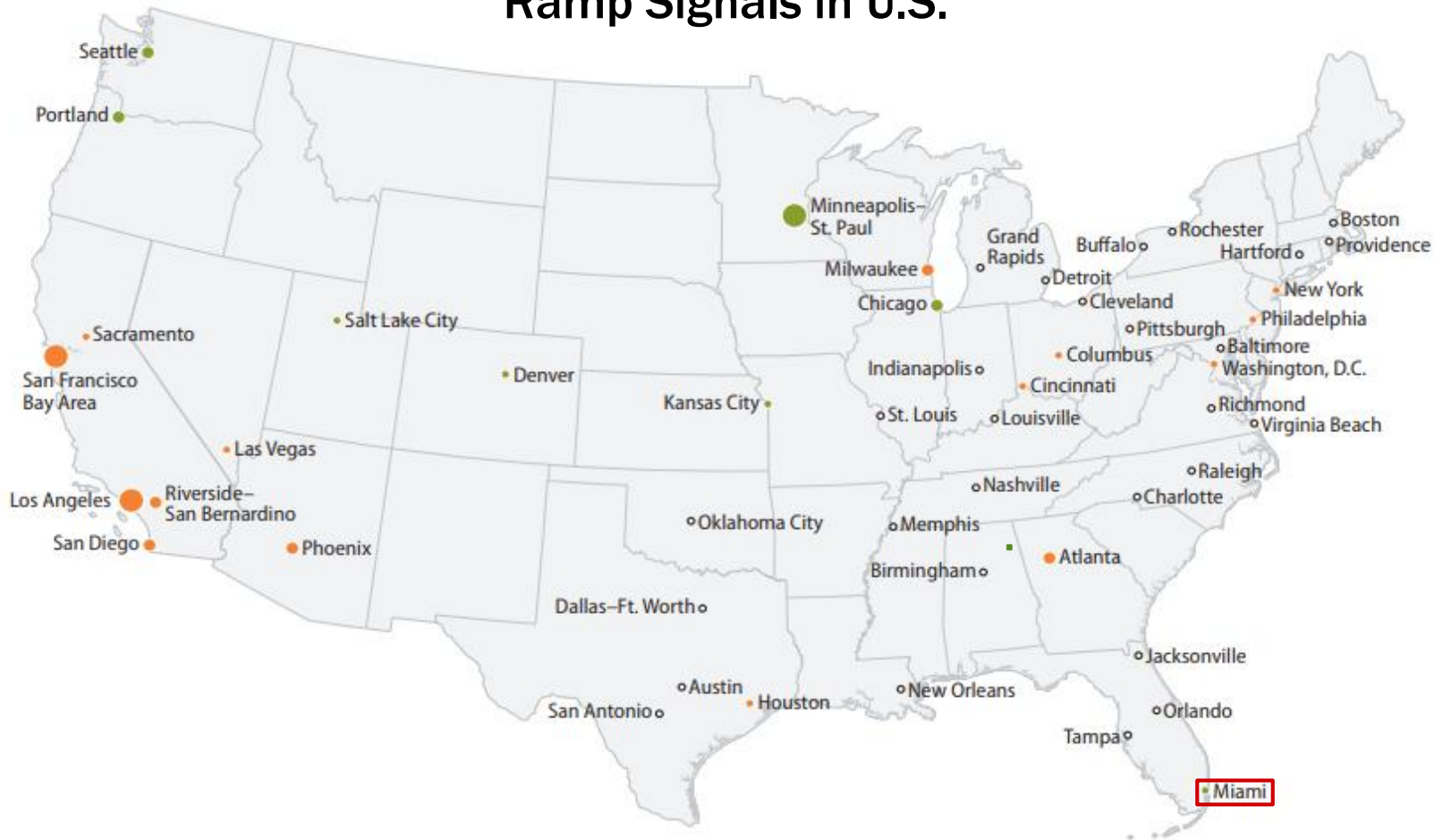
Congestion Management Tools



Ramp Signaling: How it Works



Ramp Signals in U.S.



Ramp Signaling Benefits



Reduce crashes

Reduce congestion



Reduce travel time

Helps maintain more smooth traffic flow



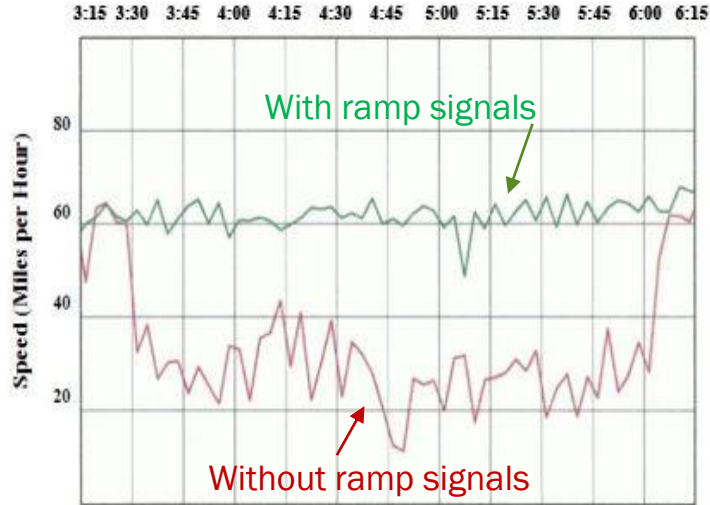
Decrease fuel consumption



Reduce vehicle emission

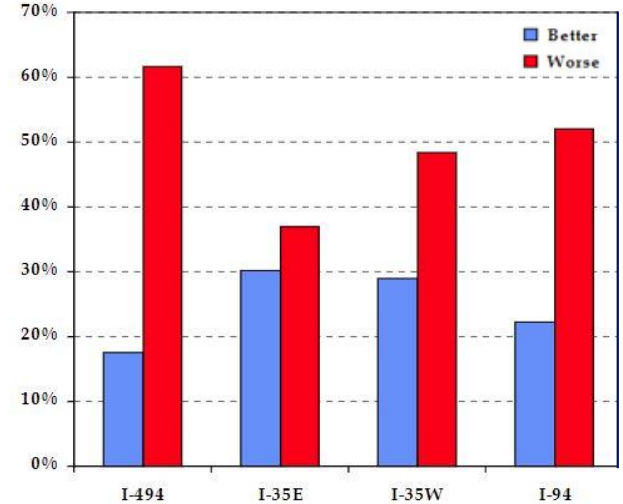
Increase vehicle throughput

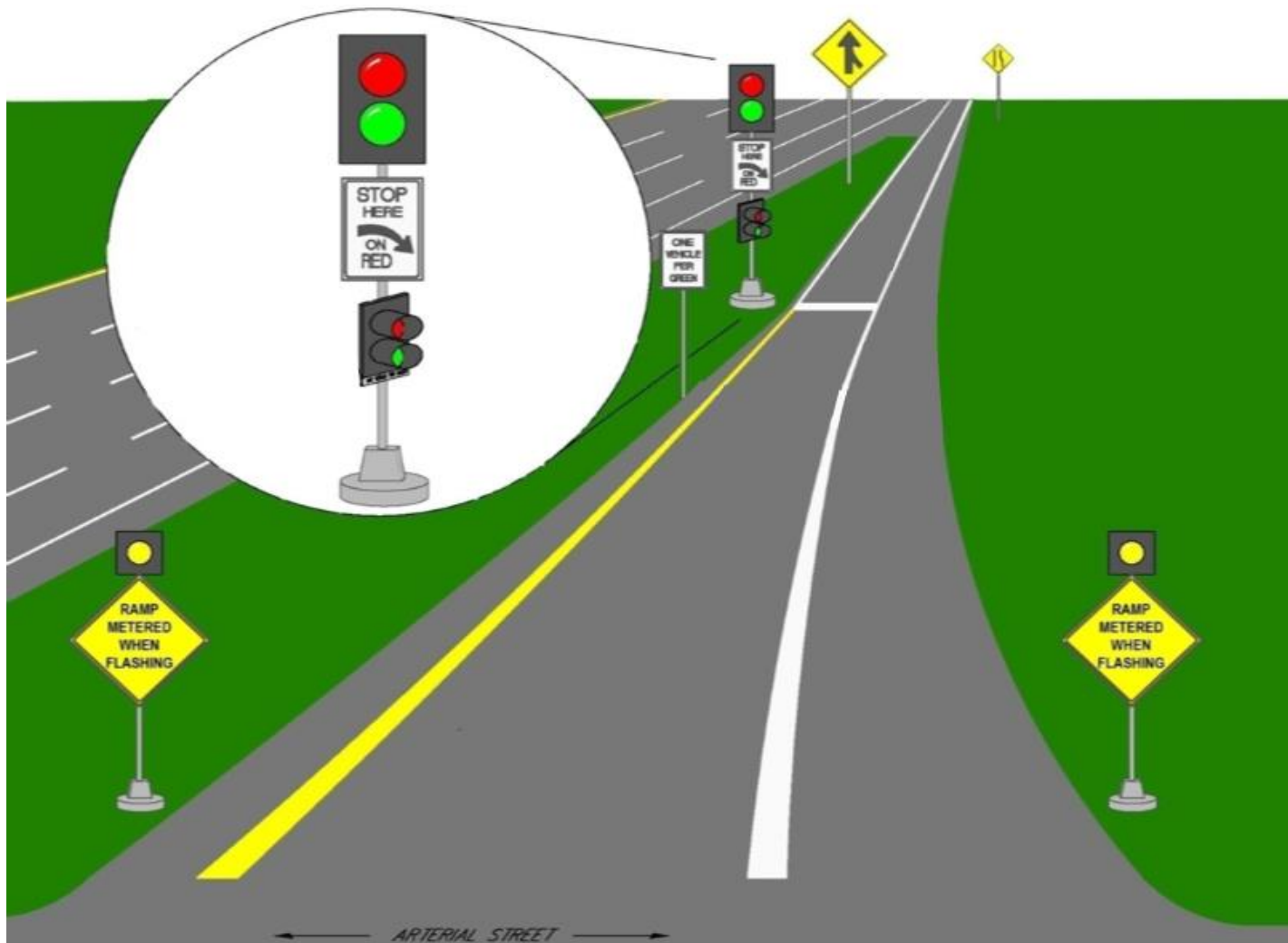
Minneapolis – St. Paul Metro Area Ramp Signal Study



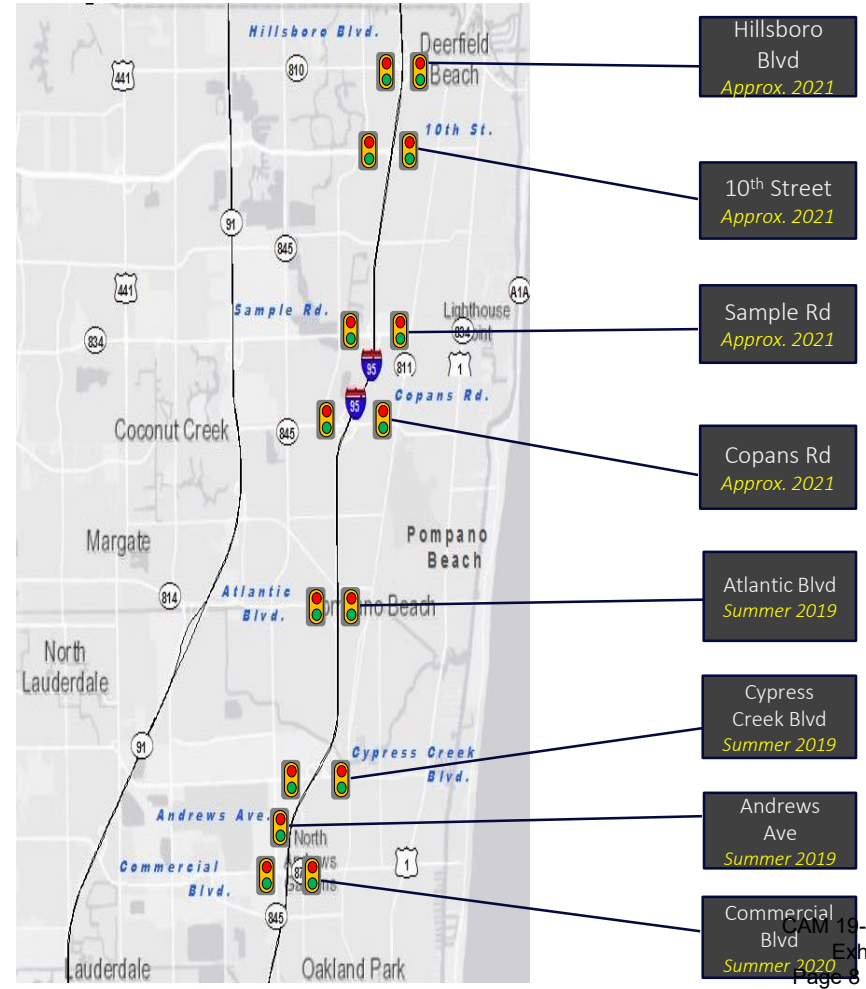
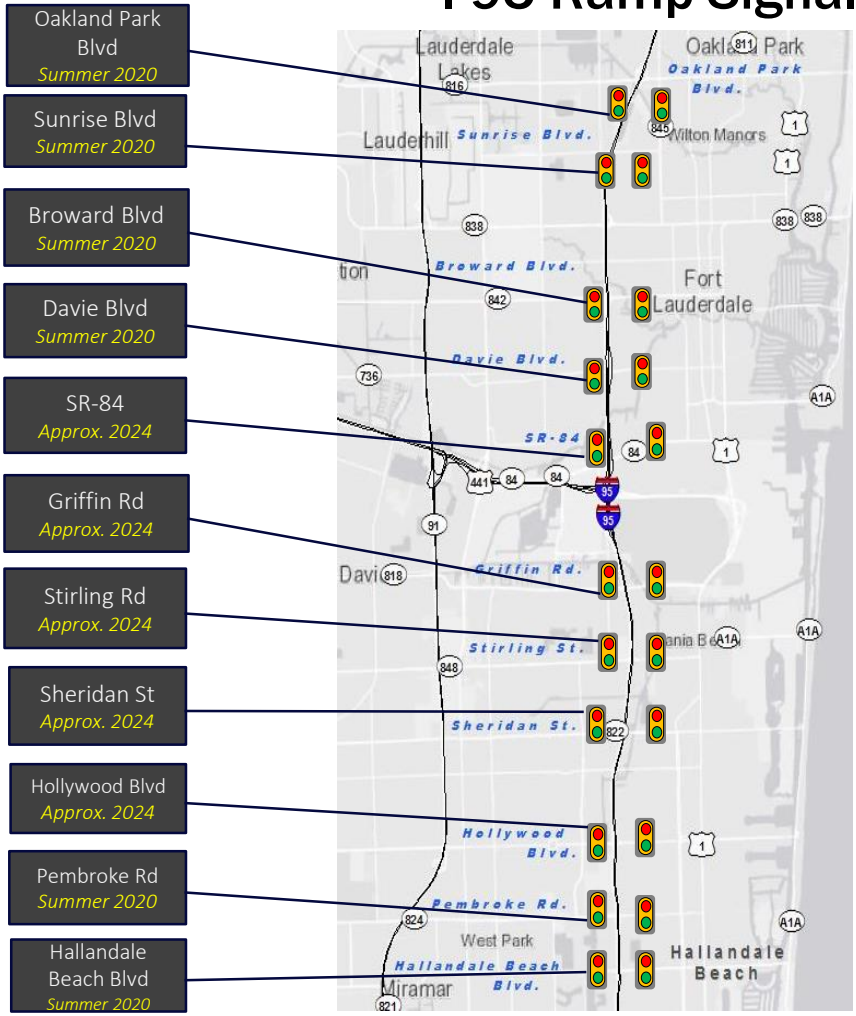
- Ramp signals shut down temporarily in response to dissatisfaction.
- During 5 week experiment:
 - Throughput on freeway declined 14%
 - Crashes increased 26%

Traveler Survey of Traffic Conditions Without Ramp Signals

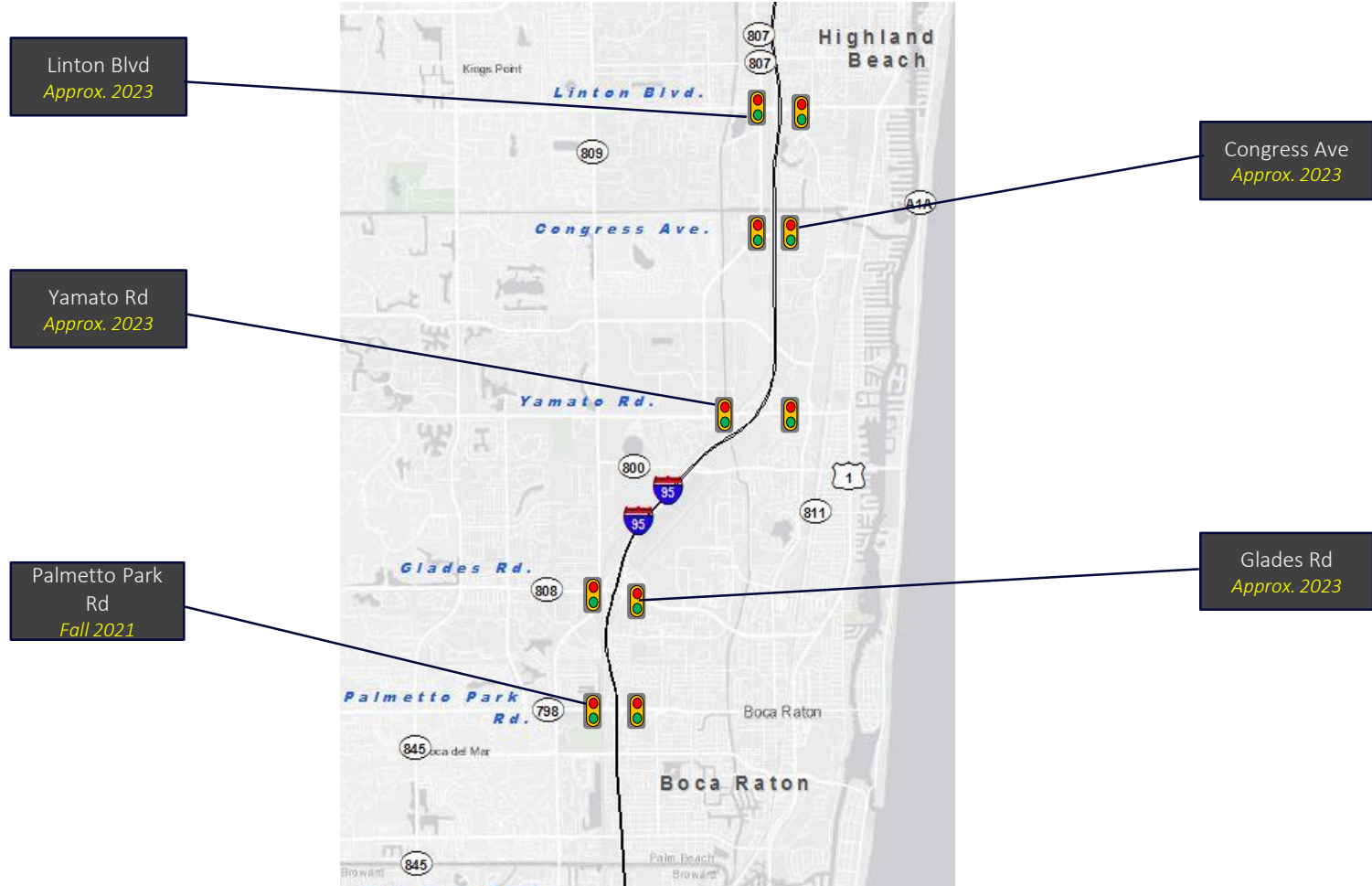




I-95 Ramp Signals Broward County



I-95 Ramp Signals Palm Beach County



Regional Transportation Management Center



Ramp Signals in Miami: On-Ramp From Ives Dairy Road



For additional information, please contact
D4-ManagedLanesReports@SMARTSunGuide.com

