

PURPOSE

This project consists of widening CR 510 from two to four lanes from CR 512 to 58th Avenue, in Indian River County (IRC), Florida, in order to achieve an acceptable Level of Service (LOS) along the facility in the future condition. While the roadway traffic is currently acceptable, conditions will deteriorate below acceptable standards if no improvement occurs by 2035, as the roadway will have insufficient capacity to accommodate the project travel demand.

NEED



Capacity/Transportation Demand

- Improve Traffic Operations (LOS and Volume to Capacity Ratio)



Modal Interrelationships

- Enhance Transit, Pedestrian and Bicycle Access



System Linkage

- Improve connectivity within the roadway network by enhancing mobility



Plan Consistency

- CR 510 is identified as a cost-feasible project in the IRC 2035 Long Range Transportation Plan (LRTP)
- The project is also identified within the IRC Metropolitan Planning Organization's (MPO) Transportation Improvement Program (TIP)

Emergency Evacuation

- Enhance emergency evacuation and response times

Economic Development

- The land around the project is mainly agricultural and industrial