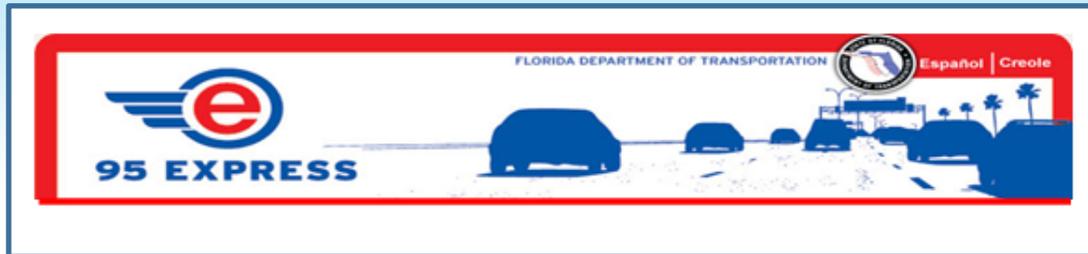


FHWA's Livable Communities Case Study Series



I-95 Corridor, Miami to Ft. Lauderdale – Improving Highway Operations to Support Livable Communities.

This case study support livable communities by improving highway operations through a coordinated effort between the State DOT and local communities.

The Interstate 95 (I-95) Express between Miami and Ft. Lauderdale is one of several Florida Department of Transportation (FDOT) operational improvements designed to reduce congestion and make I-95 a better experience for drivers, residents, and transit users. It will create more travel options and encourage the use of ridesharing and transit alternates. The project provides a new transportation choice offering congestion-free and reliable travel on I-95. Traditional widening or supply-only strategies are not only cost-prohibitive, but result in significant social and environmental impacts. I-95 Express is a multimodal, congestion management strategy and is the first of its kind in Florida.

The I-95 Express is FDOT's Congestion Management Program for I-95 in southeast Florida, which combines express or High Occupancy Toll (HOT) lanes with carpool and transit incentives, ramp signaling, and rapid incident detection and management strategies. The program has considerably improved the overall operational performance of I-95. Customers choosing to use the express lanes have significantly increased their travel speed during PM peak periods of 4 PM - 7 PM. Speeds increased in the HOV lane from approximately 20 MPH to a monthly average of 57 MPH. Also speeds increased for drivers travelling in the general purpose lanes for a significant PM peak period increase in average from approximately 20 MPH to a new monthly average of 41 MPH.



Map of project phasing

Average volume along the express lanes in the PM peak period 4 PM - 7 PM was nearly 7,000 vehicles. These vehicles traveled at speeds greater than 45 MPH over 95% of the time. The Federal requirement for HOV to HOT lane conversion is 90% for 45 MPH speeds during the peak period. From inception to June 30, 2009, the I-95 Express Lanes have also: remained open to motorists 95.5% of the time, serviced approximately 4.2 million vehicle trips and produced revenue of approximately \$2.8 million dollars.

Creating more livable communities through transportation choices



The public was also surveyed to gauge feedback by daily users of I-95 through the corridor. The results of a May 2009 survey that was distributed to commuters showed that, 76% of those who have used the I-95 Express believed it is a more reliable trip than the general purpose lanes.

Federal Highway Administration: www.fhwa.dot.gov/livability
Partnership for Sustainable Communities: www.sustainablecommunities.gov/

