

NEEDS OF THE PROJECT

PURPOSE AND NEED - The primary need for this project is to increase capacity at the interchanges and at adjacent intersections along Hallandale Beach Boulevard, Pembroke Road and Hollywood Boulevard. Secondary considerations for the purpose and need of this project include: traffic demand, safety, transit operations, travel time reliability, population growth, modal interrelationships, emergency evacuation, and long-term mobility.

13-20% increase in traffic from year 2016 to 2040

Corridor Traffic Demand

- Interstate 95: 13% Increase
- Hallandale Beach Boulevard: 17% Increase
- Pembroke Road: 20% Increase
- Hollywood Boulevard: 19% Increase

Collisions due to heavy congestion and constant stop-and-go

Safety

- Congestion will lead to increase in accidents.

Interchange Capacity Needs

- I-95 freeway segments between interchanges currently operate below Level of Service (LOS) D.
- Interchange ramp terminal intersections currently operate at LOS E or F.

Additional capacity is needed now

Impacting transit operations

Transit Operations

- Existing congestion impacts transit operations.
- Additional capacity provides opportunities for transit expansions.

Speeds drop to 20-50 MPH

SPEED LIMIT 65

Travel Time Reliability

- Speeds drop to 20-50 MPH during peak periods.

20 MPH

Improve park and ride lot, transit routes, and Tri-Rail operations

Population Growth

- Broward County population will increase by 29% between 2005 and 2035.
- Broward County employment will grow by 37%.



2005



2035

Increase in population will result in increased traffic

Modal Interrelationships

- Capacity improvements within the study area will enhance the mobility of people and goods by alleviating current and future congestion at the interchanges and on the surrounding freight and transit networks.
- Reduced congestion will serve to maintain and improve viable access to the major transportation facilities and businesses of the area.

Long-Term Mobility

- Residents and workers in the area will face severe congestion impacting their economic viability and quality of life.
- Congestion will lead to increase in accidents.

Severe congestion impacts the economy of the cities

Part of emergency evacuation route

Emergency Evacuation

- The I-95 corridor is vital during emergency evacuation periods.
- Hallandale Beach Boulevard, Pembroke Road, and Hollywood Boulevard are also part of the emergency evacuation routes network.



I-95 (SR 9) PROJECT DEVELOPMENT & ENVIRONMENT (PD&E) STUDY

From South of Hallandale Beach Boulevard (SR 858) to North of Hollywood Boulevard (SR 820)
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