

NEEDS OF THE PROJECT

PURPOSE AND NEED - The need for this project is to increase interchange and ramp terminals intersection capacity at Hallandale Beach Boulevard, Pembroke Road and Hollywood Boulevard. Other considerations for the purpose and need of this project include safety, system linkage, modal interrelationships, transportation demand, social demands, economic development, and emergency evacuation.

Corridor Traffic Demand

- Interstate 95: 23% Average Increase
- Hallandale Beach Boulevard, Pembroke Road and Hollywood Boulevard: 13% Average Increase

13-23% increase in traffic from year 2016 to 2045

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

Safety

- Over 2,800 crashes on I-95 between 2008-2015.
- Congestion and additional future traffic will increase accidents within the area.

Transit Operations

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

Impacting transit operations

Interchange Capacity Needs

- I-95 freeway segments between interchanges and interchange ramp terminals will operate below Level of Service (LOS) D.
- Several interchange off-ramps spillover to the I-95 mainline impacting the operations and speeds of I-95.

Additional capacity is needed now

Speeds drop to 20-50 MPH



Travel Time Reliability

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

20 MPH

Population Growth

- Broward County population will increase by 16% between 2018 and 2045.
- Broward County employment will grow by 25%.



2018



2045

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.

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

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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