



SR 9/I-95 Interchange at 45th Street Project Development and Environment (PD&E) Study

Palm Beach County, Florida

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Efficient Transportation Decision Making No.: 14225

Project Description

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) Study for the SR 9/I-95 Interchange at 45th Street in Palm Beach County, Florida. The purpose of the study is to identify the short-term and long term needs of I-95 and develop design concepts to address traffic spillback onto I-95, improve interchange operations, reduce congestion, and increase safety at the study interchange. This study will also consider Strategic Intermodal System (SIS) connector improvements needed within the project area and is consistent with plans for the I-95 mainline, including the potential extension of I-95 Express lanes through Palm Beach County. This proposed study will investigate alternatives to improve the overall operating conditions and enhance safety within the interchange.

The I-95 Interchange at 45th Street is a diamond interchange located in the City of West Palm Beach and near the Town of Mangonia Park and the City of Riviera Beach in north Palm Beach County, Florida. The intersections in the area of influence of the interchange are Village Boulevard and Northpoint Boulevard on the west and Corporate Way and N. Congress Avenue on the east. The adjacent interchanges along I-95 are Blue Heron Boulevard to the north (1.75 miles) and the Palm Beach Lakes Boulevard to the south (2.80 miles). I-95 is a ten-lane divided interstate freeway providing four general purpose lanes and one high occupancy vehicle (HOV) lane in each direction. Auxiliary lanes are provided on both the northbound and southbound directions between 45th Street and Blue Heron Boulevard to the north. Within the study segment, I-95 passes over 45th Street on a bridge that accommodates ten lanes. I-95 is a designated SIS Highway Corridor. Both I-95 and 45th Street are designated as evacuation routes. 45th Street is a six-lane divided roadway with a raised landscape median within the vicinity of the I-95 Interchange. There are two dedicated left-turn lanes in each direction to access the I-95 on-ramps and three through lanes in each direction. A single free-flow right-turn lane is provided eastbound and westbound along 45th Street to serve the I-95 on-ramps.

The improvements to the I-95 Interchange at 45th Street will provide additional capacity for vehicles travelling east-west as well as operational improvements north-south through the interchange. Local and network connectivity for the City of West Palm Beach, the Town of Mangonia Park and Palm Beach County will be improved.



