



# 1 PROJECT OVERVIEW

## 1.1 Introduction

At the request of the Department and as part of Financial Project ID 436964-1, a traffic analysis was undertaken to identify the long-term needs of the project area through 2040 and to develop design concepts to address traffic spillbacks onto I-95, improve interchange operations, reduce congestion, and enhance safety at the study interchange of I-95 at SW 10<sup>th</sup> Street (SR 869) and adjacent interchanges at Hillsboro Boulevard (SR 810) and Sample Road (SR 834). The study area is located within the City of Deerfield Beach in northeast Broward County, Florida. The project area includes I-95 (SR 9) from south of Sample Road (SR 834) (MP 21.601) to north of Hillsboro Boulevard (SR 810) (MP 24.641). **Figure 1.1** provides a Project Location Map. This System Interchange Modification Report (SIMR) provides the justification documentation for the proposed interchange access modifications to the SW 10<sup>th</sup> Street and Hillsboro Boulevard interchanges along I-95.

## 1.2 Purpose and Need for Project

The purpose of this project is to eliminate various existing operational and safety deficiencies along I-95 between and including the interchanges at SW 10<sup>th</sup> Street and Hillsboro Boulevard, and also on SW 10<sup>th</sup> Street and Hillsboro Boulevard in the vicinity of I-95. The primary need for the project is based on capacity/operational and safety issues, with secondary considerations for the needs of evacuation and emergency services, transportation demand, system linkage, modal interrelationships, and social demands and economic development.

## 1.3 Planned and Programmed Transportation Projects

Applicable Master Plans, Strategic Intermodal System (SIS) Plans, Florida Department of Transportation's (FDOT's) Five (5) Year Work Program, interchange planning and safety studies performed by FDOT District Four and future projects identified in the Palm Beach Metropolitan Planning Organization (MPO) Transportation Improvement Program (TIP), Palm Beach MPO 2040 Long Range Transportation Plan (LRTP), local government comprehensive plans, and active Development of Regional Impact (DRI) applications were reviewed to identify any planned and programmed improvements within the study limits of the SIMR. Additionally, the I-95 Express Lanes Phase 3 Design was also reviewed to identify programmed improvements within the SIMR limits. The proposed improvements within the SIMR limits were developed to be consistent with these plans.