

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
WATER QUALITY IMPACT EVALUATION CHECKLIST

650-050-37
ENVIRONMENTAL
MANAGEMENT
10/17

PART 1: PROJECT INFORMATION

Project Name:	I-95 from SW 10 th Street to Hillsboro Boulevard Project Development & Environment (PD&E) Study
County:	Broward
FM Number:	436964-1-22-01
Federal Aid Project No:	0202-054-P
Brief Project Description:	This project proposes improvements to the I-95 partial cloverleaf interchanges at SW 10 th Street and Hillsboro Boulevard and along I-95 from just south of the SW 10 th Street interchange to just north of the Hillsboro Boulevard. The project also proposes improvements along both SW 10 th Street and Hillsboro Boulevard near Interstate 95.

PART 2: DETERMINATION OF WQIE SCOPE

Does project discharge to surface or ground water? Yes No

Does project alter the drainage system? Yes No

Is the project located within a permitted MS4? Yes No

Name: South Florida Water Management District and Broward County

If the answers to the questions above are no, complete the applicable sections of Part 3 and 4, and then check Box A in Part 5.

PART 3: PROJECT BASIN AND RECEIVING WATER CHARACTERISTICS

Surface Water

Receiving water(s) names: Hillsboro Canal and Broward County Water Control District #2 C-1 Canal

Water Management District: South Florida Water Management District

Environmental Look Around meeting date: 12/7/2017

Attach meeting minutes/notes to the checklist.

Water Control District Name (list all that apply): Broward County. Water Control District #2

Groundwater

Sole Source Aquifer (SSA)? Yes No

Name Biscayne Aquifer

If yes, complete Part 5, D and complete SSA Checklist shown in Part 2, Chapter 11 of the PD&E Manual

Other Aquifer? Yes No

Name _____

Springs vents? Yes No
Name _____

Well head protection area? Yes No
Name Broward County North Regional Wellfield and City of Deerfield Beach
Groundwater recharge? Yes No
Name _____

Notify District Drainage Engineer if karst conditions are expected or if a higher level of treatment may be needed due to a project being located within a WBID verified as Impaired in accordance with Chapter 62-303, F.A.C.

Date of notification: [Click here to enter a date.](#)

PART 4: WATER QUALITY CRITERIA

List all WBIDs and all parameters for which a WBID has been verified impaired, or has a TMDL in Table 1. This information should be updated during each re-evaluation as required.

Note: If BMAP or RAP has been identified in Table 1, Table 2 must also be completed. Attach notes or minutes from all coordination meetings identified in Table 2.

EST recommendations confirmed with agencies? Yes No

BMAP Stakeholders contacted: Yes No

TMDL program contacted: _____ Yes No

RAP Stakeholders contacted: Yes No

Regional water quality projects identified in the ELA Yes No

If yes, describe:
Wellfield Protection Areas: Broward County North Regional Wellfield and City of Deerfield Beach

Potential direct effects associated with project construction and/or operation identified? Yes No

If yes, describe:

As a result of a review of all available data, such as agency file reviews at Broward County, the Florida Department of Environmental Protection; and available local/regional database reports; historic data reviews including aerial photography; and the site reconnaissance; eight (8) sites were identified to pose potential contamination concerns to the proposed project. Of these, three (3) sites are rated as Medium risk, two (2) sites are rated as Low risk, and three (3) sites are rated as No risk. Details for each of these sites can be found in the Contamination Screening Evaluation Report (CSER) prepared as part of the PD&E Study. The report is available at the FDOT, District IV, offices in Fort Lauderdale, FL. These potential risks will be addressed by the FDOT prior to project construction. No adverse impacts to the underlying aquifer/water quality are anticipated to occur.

Discuss any other relevant information related to water quality including Regulatory Agency Water Quality Requirements.

Along SW 10th Street, from east of Military Trail to west of the railroad tracks, the proposed roadway improvements are within the Broward County Water Control District #2 C-2 canal basin. Drainage for this portion is incorporated in the adjacent SW 10th Street Connector PD&E Study from Florida's Turnpike/Sawgrass Expressway to SR 9/I-95 (FM 439891-1-22-02). Drainage improvements include collection and conveyance of runoff and proposed stormwater management facilities (SMF) within the C-2 canal basin.


Along SW 10th Street, east of the railroad tracks to I-95 and the remaining portion of the study along I-95, from south of SW 10th Street to north of Hillsboro Boulevard, the proposed I-95 improvements are within the Broward County Water Control District #2 C-1 canal basin. Drainage improvements include collection and conveyance of runoff, proposed SMFs and floodplain compensation (FPC) sites within the C-1 canal basin. New SMFs (wet and/or dry retention areas) are proposed within the FDOT right-of-way along SW 10th Street and I-95 as well as regrading/modifying existing infield ponds at the interchanges to accommodate treatment and attenuation requirements. In addition, to compensate for impacts to existing floodplains, offsite (outside the limits of I-95 right-of-way) FPC sites may be required. The final locations and configurations of the SMF and FPC sites will be determined during the Final Design Phase of the project.

The South Florida Water Management District (SFWMD) and the Florida Department of Transportation require that the post-development discharge rates not exceed the pre-development discharge rates. The proposed design will be analyzed with the SFWMD 25 year - 72 hour storm event. The SFWMD and FDOT criteria will be met with the new stormwater management system. In addition, SFWMD and FDOT storm water quality criteria are anticipated to be met with construction of the new stormwater management system. Therefore, water quality impacts to downstream receiving waters are not anticipated to occur.

PART 5: WQIE DOCUMENTATION

- A. No involvement with water quality
- B. No water quality regulatory requirements apply.
- C. Water quality regulatory requirements apply to this project (provide Evaluator's information below). Water quality and stormwater issues will be mitigated through compliance with the design requirements of authorized regulatory agencies.
- D. EPA Ground/Drinking Water Branch review required. Yes No
Concurrence received? Yes No
If Yes, Date of EPA Concurrence: [Click here to enter a date..](#)
Attach the concurrence letter

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 and executed by FHWA and FDOT.

Evaluator Name (print): Vilma Croft, P.E.	
Title: Project Manager	
Signature: 	Date: 1/3/2019