

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**WATER QUALITY IMPACT EVALUATION CHECKLIST**

650-050-37  
ENVIRONMENTAL  
MANAGEMENT  
08/22

**PART 1: PROJECT INFORMATION**

|                            |                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Name:              | SR 45 (US 41) at Bonita Beach Road PD&E Study                                                                                                                                           |
| County:                    | Lee                                                                                                                                                                                     |
| FM Number:                 | 444321-1-22-01                                                                                                                                                                          |
| Federal Aid Project No:    | D123-081-B                                                                                                                                                                              |
| Brief Project Description: | This Project Development and Environment (PD&E) Study is for the evaluation for capacity, safety, and multi-modal improvements for the SR 45 (US 41) at Bonita Beach Road intersection. |

**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: City of Bonita Springs and Miromar Lakes Community Development District

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 names: Imperial River

Water Management District: South Florida

Environmental Look Around meeting date: 8/3/2023  
*Attach meeting minutes/notes to the checklist.*

Water Control District Name(s) (list all that apply): N/A

**Groundwater**

Sole Source Aquifer (SSA)? ☐ Yes ☒ No  
Name \_\_\_\_\_

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 \_\_\_\_\_  
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: N/A

#### 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:

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

If yes, describe:

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

SFWMD water quality for wet detention applies whichever is greater (1" over Directly Connected Impervious Areas (DCIA) or 2.5" of runoff from the new impervious area). SFWMD water quality for dry retention applies (0.5" over DCIA). The eventual outfall is the Imperial River, which is an Outstanding Florida Water and will require an additional 50% treatment volume. Nutrient loading analysis is required for all basins because the Imperial River is impaired for nutrients and has adopted a Total Maximum Daily Load for Dissolved Oxygen and Total Nitrogen.

#### 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 the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022 and executed by the Federal Highway Administration and FDOT.

Evaluator Name (print): Renato Chuw, P.E.

Title: Senior Drainage Engineer

Signature: 

Date: 11/29/2023



**Table 1: Water Quality Criteria**

| Receiving Waterbody Name<br>(list all that apply) | FDEP Group Number / Name | WBID(s) Numbers | Classification (I,II,III,IIIL,IV,V) | Special Designations* | NNC limits** | Verified Impaired (Y/N) | TMDL (Y/N) | Pollutants of concern | BMAP, RA Plan or SSAC |
|---------------------------------------------------|--------------------------|-----------------|-------------------------------------|-----------------------|--------------|-------------------------|------------|-----------------------|-----------------------|
| Imperial River<br>(Marine Segment)                | 1                        | 3258EB          | III                                 | OFW                   | Estuaries    | Yes                     | Yes        | DO & TN               | N/A                   |
|                                                   |                          |                 |                                     |                       |              |                         |            |                       |                       |
|                                                   |                          |                 |                                     |                       |              |                         |            |                       |                       |
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|                                                   |                          |                 |                                     |                       |              |                         |            |                       |                       |

\* ONRW, OFW, Aquatic Preserve, Wild and Scenic River, Special Water, SWIM Area, Local Comp Plan, MS4 Area, Other

\*\* Lakes, Spring vents, Streams, Estuaries

Note: If BMAP or RAP has been identified in [Table 1](#), [Table 2](#) must also be completed.

### Table 2: REGULATORY Agencies/Stakeholders Contacted

[illegible]