

WATER QUALITY IMPACT EVALUATION CHECKLIST

PART 1: PROJECT INFORMATION

Project Name:	Turnpike (SR 91) Widening Project Development and Environment (PD&E) Study
County:	Orange
FM Number:	Not Applicable
Federal Aid Project No:	444007-1-22-01
Brief Project Description:	The Florida Turnpike Enterprise (FTE), part of the Florida Department of Transportation (FDOT) is evaluating alternatives to widen Florida's Turnpike (State Road (SR) 91) from south of SR 408 to SR 50 (milepost (MP) 263 to 273), a distance of approximately 10 miles and along SR 408 from the Florida's Turnpike interchange to east of the Old Winter Garden Road overpass. As part of the study, all existing interchanges within the project limits and the need for a new interchange will be evaluated. The project is located in Orange County, Florida within the municipalities of Oakland, Winter Garden, and Ocoee.

PART 2: DETERMINATION OF WQIE SCOPE

Does project discharge to surface or groundwater? Yes No

Does project alter the drainage system? Yes No

Is the project located within a permitted MS4? Yes No
 Name: Project is located within permitted MS4 systems of Town of Oakland (Permit No. FLR04E152), City of Winter Garden (Permit No. FLS266841), and City of Ocoee (Permit No. FLS266833).

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: Lake Apopka Hydrologic Basin, Ocklawaha River Hydrologic Basin, Wekiva Recharge Protection Basin

Water Management District: South Florida Water Management District and Saint John's River Water Management District

Environmental Look Around meeting date: 06/30/2021 (Attached)
Attach meeting minutes/notes to the checklist.

Water Control District Name(s) (list all that apply): None

Groundwater

Sole Source Aquifer (SSA)? Yes No Name _____

If yes, complete Part 5, D and complete SSA Checklist from EPA website

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: ____/____/____

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. None.

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? – Not Applicable 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:

The project consists of new interchanges at SR 50, SR 429, and SR 408 and widening along Florida's Turnpike from SR 50 to SR 408.

The design of the stormwater facilities will comply with the standards set forth by the Florida's Turnpike, SFWMD, SJRWMD, and FDOT. An Environmental Resource Permit (ERP) will be acquired from SJRWMD and/or SFWMD during the design of this project. Stormwater captured by the stormwater collection system will be conveyed to multiple wet detention facilities. Captured stormwater will receive treatment and attenuation by the wet detention pond before discharging to the adjacent stormwater outfall.

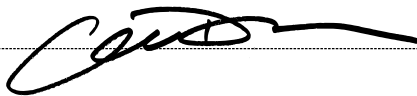
Discuss any other relevant information related to water quality including Regulatory Agency Water Quality Requirements.

The project study area does not directly discharge to an Outstanding Florida Water but does discharge into an impaired waterbody (Lake Apopka). The study area is also located within the Lake Okeechobee, Middle St. Johns River, and Upper Ocklawaha River Basin Management Action Plans. Lake Okeechobee and the Upper Ocklawaha River Basin are both impaired for total phosphorous. The Middle St. John's River Basin is impaired for total nitrogen, total phosphorous, and dissolved oxygen.

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: ___/___/___ (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 Florida's Turnpike.

Evaluator Name (print): Chris Dailey	
Sr. Environmental Scientist	
Signature: 	Date: 01/12/2023

Effective: July 1, 2020

Lake Apopka Outlet		2835B	III			N	Y	Nitrogen, Phosphorous, Dissolved Oxygen	Ocklawaha, Middle St. Johns
Shingle Creek Headwaters		3169G1	IIIF			N	Y	Phosphorous	Kissimmee River
Leftover Reedy Creek		31702	IIIF			N	Y	Phosphorous	Kissimmee River

* 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

Receiving Water Name (list all that apply)	Agency's Contact and Title	Date Contacted	Follow-up Required (Y/N)	Comments
Lake Okeechobee	Kevin Coyne Kevin.Coyne@FloridaDEP.gov (850)-245-8555	10/13/2021	N	
Middle St. Johns River	Moirra Homann Moirra.Homann@FloridaDEP.gov (850)-245-8460	10/13/2021	N	
Upper Ocklawaha River	Mary Paulic Mary.paulic@dep.state.fl.us (850)-245-8560	10/13/2021	N	

Attachment:
Environmental Look Around
Meeting Minutes: 06/30/2021



Florida Department of Transportation

RON DESANTIS
GOVERNOR

Florida's Turnpike Enterprise
P.O. Box 613069, Ocoee, FL 34761
407-532-3999

KEVIN J. THIBAUT, P.E.
SECRETARY

**FDOT, Florida's Turnpike Enterprise/SJRWMD Pre-Application Meeting Notes
FPID No. 444007-1-22-01- Turnpike Widening from South of SR 408 to SR 50 PD&E
Orange County
SJRWMD Compliance Item # 1424958**

Date: Wednesday, June 30, 2021 via WebEx

Attendees:

Tracy Miller, SJRWMD
Lee Kissick, SJRWMD
Sandy Joiner, SJRWMD
Annemarie Hammond, FTE
Erin Yao, FTE
Rax Jung, FTE
Henry Pinzon, FTE
Tiffany Crosby, Atkins/FTE

JH

Adriana Kirwan, HNTB/FTE
Chris Daily, RS&H
James Fike, RS&H
Nathan Silva, RS&H
Jeff Glenn, RS&H
Lauren Rhodes, RS&H
Jen Rehrl, PGA
Tim Polk, PGA

Introduction

Florida's Turnpike Enterprise (FTE) has contracted with RS&H to develop a project development and engineering (PD&E) study for the widening of the Turnpike from south of SR 408 to SR 50 in Orange County, Florida. The St. Johns River Water Management District (SJRWMD) pre-application meeting is necessary per FTE Scope requirements for confirming the stormwater management design approach and determining the permitting requirements specific to the project.

These meeting minutes reflect pertinent discussions that took place during the meeting and will serve as a guide for developing design decisions.

Overview & Schedule

FTE briefly introduced the project. RS&H proceeded to describe the project's roadway improvements, drainage limits and project schedule.

- It is anticipated that a preferred alternative will be presented to the public in early 2022 with the PD&E study wrapping up in the spring of that same year. Although this project is not currently funded for design or construction, FTE considers it a priority project.
- FTE is proposing to widen the Turnpike for approximately 10 miles from the Turkey Lake Service Plaza to just west of the SR 50 interchange. In the existing condition, the Turnpike is 4 lanes in each direction east of SR 408 and west of SR 429 while the area between SR 408 and SR 429 currently has 6-lanes in each direction. In the proposed condition, it is anticipated that the area east of SR 408 will be widened so there are 6-lanes in each direction, while the area west of the SR 429 interchange will be widened such that there are 5-lanes in each

direction. In addition to these improvements, it is anticipated that a barrier separated collector distributor system will be installed between the SR 408 and SR 429 interchanges which will include a total of 9-lanes in each direction.

- The project traverses both the SJRWMD and the South Florida Water Management District (SFWMD). The boundary between these two water management districts is in the vicinity of Lake Olivia, with SJRWMD located to the west of Lake Olivia and SFWMD located to the east of Lake Olivia. Since most of the project is located within the SJRWMD, FTE would like to permit the entire project through the SJRWMD. It was noted that an interagency agreement would be required between SJRWMD and SFWMD to permit the entire project through one water management district. The portion of the project located within the SFWMD would also need to follow the more stringent of the SFWMD and SJRWMD criteria. SJRWMD indicated that it was likely that the entire project could be permitted through the SJRWMD, however, more design details were needed to confirm this.

Proposed Drainage Design

- RS&H indicated that most of the project will traverse closed basins with the only open basin located at the western extents of the project which will drain to Lake Apopka. RS&H noted that there was some ambiguity in the information found regarding the Johns Lake Basin as some of the literature seemed to indicate that it is an open basin while other information researched indicated that the Johns Lake Basin is a closed basin. SJRWMD noted that since Johns Lake discharges for the 10-year storm they consider it an open basin.
- The SJRWMD Special Basins were discussed. RS&H noted the following special basins within the project limits: Lake Apopka Hydrologic Basin, Ocklawaha River Hydrologic Basin, Wekiva River Hydrologic Basin, and the Wekiva Recharge Protection Basin. SJRWMD noted that this list was inclusive of all the special basins within the project corridor.
- RS&H noted that there were no WBID'S on the verified list impaired for nutrients. There are, however, basin management action plans (BMAP's) established within the corridor for the Implementation of Total Maximum Daily Loads for Total Phosphorus and Total Nitrogen by the Florida Department of Environmental Protection.
- The floodplains that traverse the project were discussed. It is anticipated that volumetric compensation will be provided for all floodplain impacts.
- RS&H noted that the approach for providing water quality will be consistent with the methodologies followed on previous FTE projects. Treatment will be provided for all additional impervious area and any previously permitted areas that are impacted as a result of project improvements. Where applicable, special basin criteria will also be met.
- Attenuation criteria was discussed. In areas where the project traverses closed basins the more stringent criteria required for closed basins will be met. All other locations will meet the criteria associated with open basins in the absence of any special basin criteria.

Environmental

- RS&H staff noted that a Natural Resources Evaluation will be produced during the PD&E.
- RS&H staff noted that there are multiple private wetland mitigation banks located within the basins to accommodate wetland impacts.
- SJRWMD staff noted that there are three Conservation Easements adjacent to the project area- in the area of Lake Pearl, in the northeast quadrant of the SR 408 Interchange and northwest corner of 429 interchange. SJRWMD staff also noted that it is possible to apply for a release from these easements during the permitting phase. Generally, additional mitigation would be required.
- SJRWMD staff noted two eagle nests located adjacent to the Turnpike. Following the meeting, RS&H staff identified three documented nests adjacent to the Turnpike (OR018, OR039 and OR052).
- FTE staff asked if SJRWMD staff saw any fatal flaws with the environmental permitting. SJRWMD staff noted no fatal flaws.

Environmental Look Around

- Potential joint use ponds and regional ponds were discussed. SJRWMD was not aware of any joint use ponds or regional ponds within the vicinity of the project.