

WATER QUALITY IMPACT EVALUATION CHECKLIST

PART 1: PROJECT INFORMATION

Project Name:	SR 535 PD&E Study
County:	Osceola and Orange Counties
FM Number:	437174-2-22-01
Federal Aid Project No:	N/A
Brief Project Description:	Provide roadway improvements along 2.2 miles of SR 535.

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: Osceola County,
Orange County and Co Permittees

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: Shingle Creek

Water Management District: South Florida WMD

Environmental Look Around meeting date: ____/____/____ ELA was held in multiple meetings during
Attach meeting minutes/notes to the checklist. general discussions with Osceola and
Orange Counties

Water Control District Name(s) (list all that apply): NA

Groundwater

Sole Source Aquifer (SSA)? Yes No Name Biscayne

If yes, complete Part 5, D and complete SSA Checklist from EPA website ([Figure 11-1](#))

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: [No karst conditions expected.](#)

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: [Increase in impermeable cover and erosion/sedimentation during construction](#)

Discuss any other relevant information related to water quality including Regulatory Agency Water Quality Requirements. [District Drainage Engineer was notified of higher level of treatment needed due to project location within Lake Okeechobee BMAP. SFWMD stated that nutrient loading calculations are not required for discharges to Shingle Creek due to the type of nutrient impairment \(macrophytes\), but net improvement for total phosphorus \(TP\) is required.](#)

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: [3/4/2024](#) (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): G. Robert Myers III	
Title: Environmental Manager, Metric Engineering	
Signature: <i>G Robert Myers III</i>	Date: 10/10/2024

Table 1: Water Quality Criteria

Receiving Waterbody Name (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
Shingle Creek	4	3169A	IIIF	MS4	Phosphorous- 0.12 mg/L	Y	N	Macrophytes	Lake Okeechobee BMAP
					Nitrogen- 1.54 mg/L				

* 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
Shingle creek	South Florida Water Management District	11/16/2022	N	None
	Richard Lot, P.E., P.G. Section Leader, Engineering			
	rlott@sfwmd.gov			
	Patty Therrien, P.E. Lead Engineer			
	Ptherrie@sfwmd.gov			
	Florida Department of Environmental Protection	6/21/2019	N	None
	Chris Stahl, Clearinghouse Coordinator			
	State.Clearinghouse@floridadep.gov			
	US Environmental Protection Agency	6/24/2019	N	None
	Roshanna White, White.Roshanna@epa.gov			