

Water Quality Impact Evaluation

Malabar Road (SR 514) PD&E Study
From East of Babcock Street (SR 507) to US 1
Brevard County, Florida

FPID: 430136-1-22-01

ETDM: 13026

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 (MOU) dated December 14, 2016 and executed by the Federal Highway Administration and FDOT.

April 2015

WQIE CHECKLIST

Project Name: Malabar Road PD&E Study

County: Brevard County

Financial Project Number: 430136-1-22-01

Federal Aid Project No: N/A

Short project description: The Florida Department of Transportation (FDOT), District Five, is conducting a Project Development & Environment (PD&E) Study to evaluate improvements to Malabar Road (SR 514) in Brevard County, Florida. The study begins east of Babcock Street (SR 507) (MP 3.060) and extends to US 1 (MP 6.698), and is approximately 3.6 miles.

Malabar Road is divided into three project segments. The project segments are as follows:

Segment 1: Babcock Street to Weber Road

Segment 2: Weber Road to Marie Street

Segment 3: Marie Street to US 1

PART 1: DETERMINATION OF WQIE SCOPE

Does project increase impermeable surface area? Yes No

Does project alter the drainage system? Yes No

If the answer to both questions is no, complete the WQIE by checking Box A in Part 4.

Do environmental regulatory requirements apply? Yes No

If no, proceed to part 4 and check Box B.

PART 2: PROJECT CHARACTERISTICS

20-year design AADT (2035):

27,500 AADT from Babcock Street to Weber Road

18,200 AADT from Weber Road to Cory Road

18,900 AADT from Cory Road to US 1

Drainage area: 67.08 Acres ; 59 % Impervious; 41 % Pervious

Land Use: 44 % Upland Forested; 21% Residential; 19% Agricultural; 12% Commercial and Services; 2% Wetlands; and 2% Other

WQIE CHECK LIST (Cont.)

Potential large sources of pollution (identify): Agricultural and Roadway Runoff
 Groundwater receptor (name of aquifer or N/A): Surficial Aquifer System (not a sole source aquifer)
 Designated well head protection area: Yes No Name: _____
 Sole source aquifer: Yes No Name: _____

Groundwater recharge mechanism: No direct recharge mechanism. Stormwater management facilities will have infiltration and will minimally impact the surficial aquifer. No impacts to the lower aquifers are anticipated.

Surface water receptor (name or N/A): Turkey Creek (Class III) and Indian River (OFW)
 Classification: I II III IV V
 Special designation (check all that apply):
 ONRW OFW Aquatic Preserve Wild & Scenic River
 Special Water SWIM Area Local Comp Plan MS4 Area
 Other (specify): NPDES MS 4 Phase II Permit

Conceptual storm water conveyances (check all that apply):
 Swales Curb and Gutter Scuppers Pipe French Drains
 Retention/Detention Ponds Other (specify): _____

PART 3: ENVIRONMENTAL REGULATORY REQUIREMENTS

Regulatory Agency (check all that apply)	Reference citation for regulatory criteria (attach copy of pertinent pages)	Most stringent criteria (check all that apply and describe below)
USEPA <input type="checkbox"/>		<input type="checkbox"/>
NPDES <input checked="" type="checkbox"/>	NPDES Construction	<input type="checkbox"/>
SJRWMD <input checked="" type="checkbox"/> (Specify)	SWERP Permit	Water Quality and Attenuation Criteria, plus additional for OFW <input checked="" type="checkbox"/>
OTHER <input checked="" type="checkbox"/> (Specify)	USACE Section 404 CWA	<input type="checkbox"/>

WQIE CHECK LIST (Cont.)

PART 4: WQIE DOCUMENTATION

- A. Water quality is not an issue.
- B. No regulatory requirements apply to water quality issues.
(Document by checking the "none" box for water quality in Section 6.C.3 of the Environmental Determination Form or Section 5.C.3 of the SEIR.)
- C. Regulatory requirements apply to water quality issues. Water quality issues will be mitigated through compliance with the quantity design requirements placed by **SJRWMD**, an authorized regulatory agency.
(Document by checking the "none" box for water quality in Section 6.C.3 of the Environmental Determination Form or Section 5.C.3 of the SEIR.)

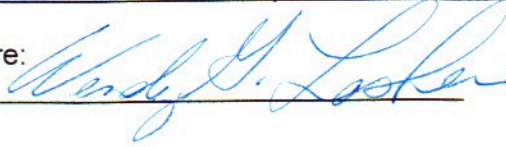
Evaluator Name (print):

Wendy G. Lasher, AICP

Office:

Atkins – 4030 West Boy Scout Boulevard, Suite 700, Tampa, Florida 33607

Signature:



Date: April 1, 2015