

An aerial photograph of a residential and commercial area. A yellow highlight is drawn over a road on the left side of the image, extending from the top to the bottom. The text is centered over the image.

APPENDIX M

**WATER QUALITY IMPACT
EVALUATION**

Exhibit A

WQIE CHECK LIST

Project Name: I-95 / Ellis Road and Ellis Road from I-95 to Wickham Road (CR 509) Project Development and Environment (PD&E) Study

County: Brevard County

FIN (Financial Number): 426905-1-22-01

Federal Aid Project No: SFT1251R

Short project description: The Florida Department of Transportation (FDOT), District 5, is conducting a PD&E Study in cooperation with FHWA for the examination of widening Ellis Road to four-lanes from John Rodes Boulevard to Wickham Road in conjunction with building an extension to I-95 and constructing a new interchange with I-95 at Ellis Road in Brevard County.

PART 1: DETERMINATION OF WQIE SCOPE

Does project increase impervious 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

PART 2: PROJECT CHARACTERISTICS

20-year design ADT: 24,400 Expected speed limit: 45 mi/hr

Drainage area: 130.72 acres 21 % Impervious 79 % Pervious

Land Use: 14 % Residential 3 % Commercial 27 % Industrial
1 % Agricultural 4.5 % Wetlands 35 % Other Natural

Potential large sources of pollution (identify): Stormwater runoff from urban sources, including roadways, carry pollutants such as volatile organic compounds, petroleum hydrocarbons, heavy metals, and pesticides/herbicides.

Groundwater receptor (name of aquifer or N/A): NA

Designated well head protection area? Yes No Name: _____

Sole source aquifer Yes No Name: _____

Groundwater recharge mechanism:

(Notify District Drainage Engineer if karst conditions expected)

WQIE CHECK LIST (Contd.)

Surface water receptor (name or N/A): Lake Washington / St. Johns River and Crane Creek

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): Nutrient Impairments

Conceptual storm water conveyances & system (check all that apply):

- Swales Curb and Gutter Scuppers Pipe French Drains
 Retention/Detention Ponds Other _____

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)
USEPA <input checked="" type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>		<input type="checkbox"/>
WMD <input checked="" type="checkbox"/> (Specify)		<input checked="" type="checkbox"/>
OTHER <input type="checkbox"/> (Specify)		<input type="checkbox"/>

Proceed to Part 4 and check Box C.

WQIE CHECK LIST (Contd.)

PART 4: WQIE DOCUMENTATION

- Water quality is not an issue.
- 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.)
- Regulatory requirements apply to water quality issues. Water quality issues will be mitigated through compliance with the quantity design requirements placed by St. Johns River Water Management District, 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): Clint Smith, PE, CFM

Office: Hanson Professional Services, Inc.
8075 Gate Parkway West, Suite 204
Jacksonville, FL 32216

Signature: 

Date: 3/27/2014