

Appendix F

Water Quality Impact Evaluation Checklist

WQIE Checklist

Project Name: Crosstown Parkway Extension (Alternative 1C)

County: St. Lucie County

FIN (Financial Number): 410844-1-A8-01

Federal Aid Project No.: 7777-087 A

Short Project Description: Crosstown Parkway from Manth Lane to US 1. New construction and alignment of a 6-lane facility which includes a bridge spanning the North Fork St. Lucie River (NFSLR) in a designated aquatic preserve.

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 (2037): 62,300 Expected Speed Limit 45 mi/hr

Drainage area: 57.75 acres 40 % Impervious 60 % Pervious

Land Use: 58 % Residential 2 % Commercial 0 % Industrial

0 % Agricultural 35 % Wetlands 5 % Other Natural

Potential large sources of pollution (identify): Highway runoff

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

Designated well head protection area? YES NO Name: N/A

Sole source aquifer? YES NO Name: N/A

Groundwater recharge mechanism: Infiltration

(Notify District Drainage Engineer if karst conditions expected)

Surface water receptor (name or N/A): North Fork St. Lucie River

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): _____

Conceptual stormwater 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 type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>	Chapter 62-621 FAC	<input checked="" type="checkbox"/>
SFWMD <input checked="" type="checkbox"/>	Chapter 40E-4 FAC; Basis of Review	<input checked="" type="checkbox"/>
USACE <input checked="" type="checkbox"/>	Section 404	<input type="checkbox"/>
Other (Specify) USCG <input checked="" type="checkbox"/>	Title 33 CFR Parts 114-118	<input type="checkbox"/>

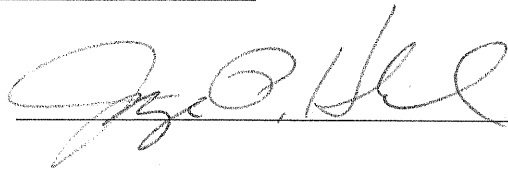
Part 4: WQIE DOCUMENTATION

- 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 laced by the South Florida 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).

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Fort Lauderdale, FL 33309

Signature: _____



Date: 08.14.09

WQIE Checklist

Project Name: Crosstown Parkway Extension (Alternative 1F)

County: St. Lucie County

FIN (Financial Number): 410844-1-A8-01

Federal Aid Project No.: 7777-087 A

Short Project Description: Crosstown Parkway from Manth Lane to US 1. New construction and alignment of a 6-lane facility which includes a bridge spanning the North Fork St. Lucie River (NFSLR) in a designated aquatic preserve.

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 (2037): 64,600 Expected Speed Limit 45 mi/hr

Drainage area: 60.14 acres 42 % Impervious 58 % Pervious

Land Use: 62 % Residential 5 % Commercial 0 % Industrial

0 % Agricultural 29 % Wetlands 4 % Other Natural

Potential large sources of pollution (identify): Highway runoff

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

Designated well head protection area? YES NO Name: N/A

Sole source aquifer? YES NO Name: N/A

Groundwater recharge mechanism: Infiltration

(Notify District Drainage Engineer if karst conditions expected)

Surface water receptor (name or N/A): North Fork St. Lucie River

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): _____

Conceptual stormwater 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 type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>	Chapter 62-621 FAC	<input checked="" type="checkbox"/>
SFWMD <input checked="" type="checkbox"/>	Chapter 40E-4 FAC; Basis of Review	<input checked="" type="checkbox"/>
USACE <input checked="" type="checkbox"/>	Section 404	<input type="checkbox"/>
Other (Specify) USCG <input checked="" type="checkbox"/>	Title 33 CFR Parts 114-118	<input type="checkbox"/>

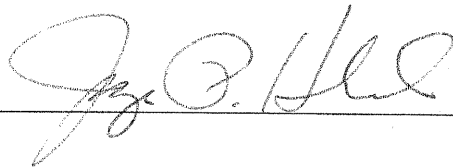
Part 4: WQIE DOCUMENTATION

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Date: 08.14.09

WQIE Checklist

Project Name: Crosstown Parkway Extension (Alternative 2A)

County: St. Lucie County

FIN (Financial Number): 410844-1-A8-01

Federal Aid Project No.: 7777-087 A

Short Project Description: Crosstown Parkway from Manth Lane to US 1. New construction and alignment of a 6-lane facility which includes a bridge spanning the North Fork St. Lucie River (NFSLR) in a designated aquatic preserve.

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 (2037): 59,700 Expected Speed Limit 45 mi/hr

Drainage area: 71.04 acres 39 % Impervious 61 % Pervious

Land Use: 65 % Residential 3 % Commercial 0 % Industrial

0 % Agricultural 26 % Wetlands 6 % Other Natural

Potential large sources of pollution (identify): Highway runoff

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

Designated well head protection area? YES NO Name: N/A

Sole source aquifer? YES NO Name: N/A

Groundwater recharge mechanism: Infiltration

(Notify District Drainage Engineer if karst conditions expected)

Surface water receptor (name or N/A): North Fork St. Lucie River

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): _____

Conceptual stormwater 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 type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>	Chapter 62-621 FAC	<input checked="" type="checkbox"/>
SFWMD <input checked="" type="checkbox"/>	Chapter 40E-4 FAC; Basis of Review	<input checked="" type="checkbox"/>
USACE <input checked="" type="checkbox"/>	Section 404	<input type="checkbox"/>
Other (Specify) USCG <input checked="" type="checkbox"/>	Title 33 CFR Parts 114-118	<input type="checkbox"/>

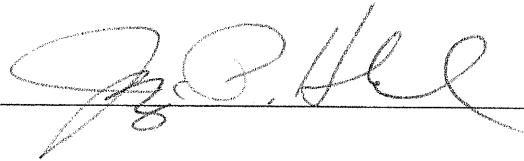
Part 4: WQIE DOCUMENTATION

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Signature: _____



Date: 08.14.09

WQIE Checklist

Project Name: Crosstown Parkway Extension (Alternative 2D)

County: St. Lucie County

FIN (Financial Number): 410844-1-A8-01

Federal Aid Project No.: 7777-087 A

Short Project Description: Crosstown Parkway from Manth Lane to US 1. New construction and alignment of a 6-lane facility which includes a bridge spanning the North Fork St. Lucie River (NFSLR) in a designated aquatic preserve.

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 (2037): 57,100 Expected Speed Limit 45 mi/hr

Drainage area: 86.38 acres 38 % Impervious 62 % Pervious

Land Use: 70 % Residential 3 % Commercial 0 % Industrial

0 % Agricultural 22 % Wetlands 5 % Other Natural

Potential large sources of pollution (identify): Highway runoff

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

Designated well head protection area? YES NO Name: N/A

Sole source aquifer? YES NO Name: N/A

Groundwater recharge mechanism: Infiltration

(Notify District Drainage Engineer if karst conditions expected)

Surface water receptor (name or N/A): North Fork St. Lucie River

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): _____

Conceptual stormwater 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 type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>	Chapter 62-621 FAC	<input checked="" type="checkbox"/>
SFWMD <input checked="" type="checkbox"/>	Chapter 40E-4 FAC; Basis of Review	<input checked="" type="checkbox"/>
USACE <input checked="" type="checkbox"/>	Section 404	<input type="checkbox"/>
Other (Specify) USCG <input checked="" type="checkbox"/>	Title 33 CFR Parts 114-118	<input type="checkbox"/>

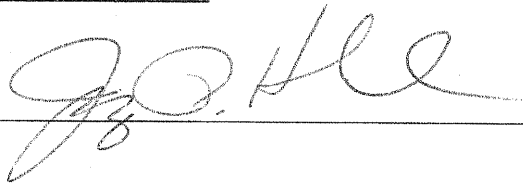
Part 4: WQIE DOCUMENTATION

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Signature: _____



Date: 08.14.09

WQIE Checklist

Project Name: Crosstown Parkway Extension (Alternative 6A)

County: St. Lucie County

FIN (Financial Number): 410844-1-A8-01

Federal Aid Project No.: 7777-087 A

Short Project Description: Crosstown Parkway from Manth Lane to US 1. New construction and alignment of a 6-lane facility which includes a bridge spanning the North Fork St. Lucie River (NFSLR) in a designated aquatic preserve.

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 (2037): 59,700 Expected Speed Limit 45 mi/hr

Drainage area: 59.6 acres 41 % Impervious 59 % Pervious

Land Use: 72 % Residential 6 % Commercial 0 % Industrial

0 % Agricultural 20 % Wetlands 2 % Other Natural

Potential large sources of pollution (identify): Highway runoff

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

Designated well head protection area? YES NO Name: N/A

Sole source aquifer? YES NO Name: N/A

Groundwater recharge mechanism: Infiltration

(Notify District Drainage Engineer if karst conditions expected)

Surface water receptor (name or N/A): North Fork St. Lucie River

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): _____

Conceptual stormwater 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 type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>	Chapter 62-621 FAC	<input checked="" type="checkbox"/>
SFWMD <input checked="" type="checkbox"/>	Chapter 40E-4 FAC; Basis of Review	<input checked="" type="checkbox"/>
USACE <input checked="" type="checkbox"/>	Section 404	<input type="checkbox"/>
Other (Specify) USCG <input checked="" type="checkbox"/>	Title 33 CFR Parts 114-118	<input type="checkbox"/>

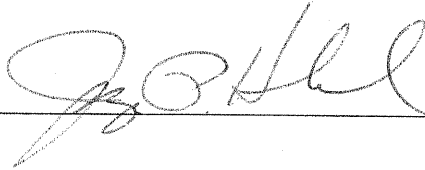
Part 4: WQIE DOCUMENTATION

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Signature: _____



Date: 08.14.09

WQIE Checklist

Project Name: Crosstown Parkway Extension (Alternative 6B)

County: St. Lucie County

FIN (Financial Number): 410844-1-A8-01

Federal Aid Project No.: 7777-087 A

Short Project Description: Crosstown Parkway from Manth Lane to US 1. New construction and alignment of a 6-lane facility which includes a bridge spanning the North Fork St. Lucie River (NFSLR) in a designated aquatic preserve.

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 (2037): 64,600 Expected Speed Limit 45 mi/hr

Drainage area: 60.41 acres 43 % Impervious 57 % Pervious

Land Use: 64 % Residential 4 % Commercial 0 % Industrial

0 % Agricultural 27 % Wetlands 5 % Other Natural

Potential large sources of pollution (identify): Highway runoff

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

Designated well head protection area? YES NO Name: N/A

Sole source aquifer? YES NO Name: N/A

Groundwater recharge mechanism: Infiltration

(Notify District Drainage Engineer if karst conditions expected)

Surface water receptor (name or N/A): North Fork St. Lucie River

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): _____

Conceptual stormwater 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 type="checkbox"/>		<input type="checkbox"/>
FDEP <input checked="" type="checkbox"/>	Chapter 62-621 FAC	<input checked="" type="checkbox"/>
SFWMD <input checked="" type="checkbox"/>	Chapter 40E-4 FAC; Basis of Review	<input checked="" type="checkbox"/>
USACE <input checked="" type="checkbox"/>	Section 404	<input type="checkbox"/>
Other (Specify) USCG <input checked="" type="checkbox"/>	Title 33 CFR Parts 114-118	<input type="checkbox"/>

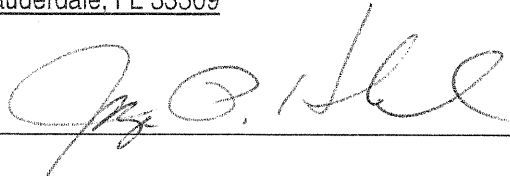
Part 4: WQIE DOCUMENTATION

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