

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
WATER QUALITY IMPACT EVALUATION CHECKLIST

650-050-37
 ENVIRONMENTAL
 MANAGEMENT
 10/17

PART 1: PROJECT INFORMATION

Project Name:	SR 789 (Ringling) from Bird Key Drive to Sarasota Harbour West
County:	Sarasota
FM Number:	436680-1-22-01
Federal Aid Project No:	TBD
Brief Project Description:	This project involves the potential reconstruction of the SR 789 (John Ringling Causeway) bridges [Structure Numbers 170022 and 170951]. The Preferred Alternative proposes to replace the existing twin bridges with a single bridge structure. The limits of the improvements are from Bird Key Drive to Sarasota Harbour West in Sarasota County (approximately 0.741 miles in length). The purpose of the study is to address structural integrity and operational deficiencies.

PART 2: DETERMINATION OF WQIE SCOPE

Does project discharge to surface or ground water? Yes No

Does project alter the drainage system? Yes No

Is the project located within a permitted MS4? Yes No

Name: Sarasota County

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(s) names: Sarasota Bay

Water Management District: Southwest Florida

Environmental Look Around meeting date: N/A

Attach meeting minutes/notes to the checklist.

Water Control District Name (list all that apply): N/A

Groundwater

Sole Source Aquifer (SSA)? Yes No

Name _____

If yes, complete Part 5, D and complete SSA Checklist shown in Part 2, Chapter 11 of the PD&E Manual

Other Aquifer? Yes No

Name _____

Springs vents? Yes No
Name _____

Well head protection area? Yes No
Name _____

Groundwater recharge? Yes No
Name Floridan Aquifer Recharge Area

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: N/A

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
No BMAPs

TMDL program contacted: No WBIDS with roadway pollutant impairments
 Yes No

RAP Stakeholders contacted: Yes No
No RAP

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:

Potential water quality impacts will be avoided and minimized to the greatest extent practicable through the implementation of a Stormwater Runoff Control Concept (SRCC), as well as adherence to resource-agency issued permits and permit conditions and the FDOT's Standard Specifications for Road and Bridge Construction.

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

Refer to meeting minutes in Attachment 1.

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: [Click here to enter a date.](#)
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 FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 and executed by FHWA and FDOT.

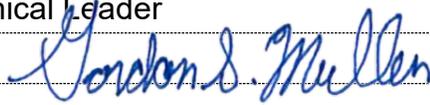
Evaluator Name (print): Gordon Mullen, RK&K	
Title: Technical Leader	
Signature: 	Date: 6/20/2023

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
Saroota Bay	3	1968C	II	Yes, OFW	N/A	Yes	No	N/A	No
Sarasota Bay	3	1968B	II	Yes, OFW	N/A	Yes	No	Bacteria (shellfish)	No
Ringling Causeway (Sarasota Bay)	3	1968A	IIIM	N/A	N/A	No	No	N/A	No

* 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)	Contact and Title	Date Contacted	Follow-up Required (Y/N)	Comments
Sarasota Bay	David Kramer, SWFWMD ERP Engineer; Al Gagne, SWFWMD ERP Environmental	11/3/2022	No	See meeting minutes in Attachment 1
Sarasota Bay	Monte Ritter, SWFWMD ERP Engineer; Kim Dymond, SWFWMD ERP Environmental	7/11/2019	No	See meeting minutes in Attachment 1

ATTACHMENT 1

436680-1-22-01

**SR 789 (RINGLING) FROM BIRD KEY DRIVE
TO SARASOTA HARBOUR WEST
AGENCY COORDINATION**

Minutes

SWFWMD/FDOT Meeting Minutes

SR 789 (Ringling) from Bridge Key Drive to Sarasota Harbor West Concurrent Project Development and Environment (PD&E) Study and Design Sarasota County

FPID#: 436680-1-22-01 and 436680-1-32-01

Thursday November 3, 2022 (2:00 – 3:00 PM)
Teams Meeting

- I. Introductions
 - SWFWMD
 - David Kramer, Al Gagne
 - Florida Department of Transportation
 - Nicole Monies, Brent Setchell, Ben Shepard
 - Hardesty & Hanover Team
 - Jason Dunn (H&H), Gordon Mullen (RK&K)
- II. Project Overview
 - Proposed roadway widening and bridge replacement project over tidal waters. Roadway widening and bridge replacement will not include additional traffic lanes, but will include paved shoulders and will replace existing 5' sidewalks with 14' wide multi-use paths. Additionally, FDOT is considering narrowing the travel lanes which would allow wider outside shoulders for occasional transit use for the trolley
 - Proposed typical section is a single bridge, the twin parallel bridges will be removed.
 - Right turn lanes are also contemplated on the island
 - A draft profile and typical sections was shown from the 15% Line and Grade submittal
- III. Site Information
 - Sarasota Bay (WBID 1968) impaired for bacteria
 - Sarasota Bay is an OFW
 - Existing Bridge runoff is direct discharge to Sarasota Bay via scuppers
 - FEMA Flood Zones AE and VE
- IV. Water Quantity
 - Tidal outfall
 - Exempt from peak rate attenuation
 - Scour analysis for proposed condition
- V. Water Quality
 - Bridge Replacement - Not adding capacity to roadway (4 lanes existing will be replaced with 4 lanes)
 - Reference PA 406905, Verified with SWFWMD on 7/11/19

- Shoulders, bicycle lanes and sidewalks are exempt from providing water quality
- Jason: Proposed design will remove the direct discharge to Sarasota Bay by removing the bridge scuppers in the proposed design
- Jason: Design team will maximize green spaces from bridge realignment to provide BMPs for treatment (dry retention)
- Jason: Identified hardship that all project improvements will occur within existing right of way.
- David Kramer: Transit use on shoulder would require treatment of this additional impervious surface
 - Reference FDOT District 7 project I-275 bus on shoulder project
- Treatment volume was determined to be presumptive criteria plus 150% OFW adjustment for additional transit lane.
- A temporary mixing zone will be established during construction

VI. Sovereign Lands Discussion

- Project will be constructed within the existing SSL easement

VII. Environmental

- Seagrass mitigation
 - Estimated 0.05 acre of direct impacts and 0.12 acre of secondary impacts (using a 100-foot buffer from the outside edges of the existing bridges). **UMAM will be used to evaluate functional loss.**
 - Anticipates using the FDOT D1 Skyway WADs site (pending permitting). **SWFWMD does not require a ratio for out of basin mitigation.**
 - SWFWMD staff confirmed that a coastal cumulative impact analysis will be required **to demonstrate no cumulative impacts.**
- Mangrove mitigation
 - Estimated 0.05 acre of direct impacts (mostly of individual mangroves along the eastern end of the bridge).
 - Brent stated that potential mitigation options are still being evaluated due to lack of available local mitigation banks with mangrove/estuarine credits.
 - SWFWMD suggested that on-site planting could be an option.
 - Mitigation planting would also likely require additional coordination with the City of Sarasota (Bird Key Park owner) and/or the FDEP for potential Sovereign Submerged Lands involvement.
- Listed/protected species –
 - Applicable federal species include free-swimming sea turtles (several species), West Indian manatee and low potential for small tooth sawfish and Gulf sturgeon.
 - State-listed species generally consist of state-threatened shorebird and water bird species.
 - The PD&E study's Draft Natural Resources Evaluation document is being prepared with the intent to have as much preliminary construction information available to seek advanced consultation with the National Marine Fisheries Service.

THIS FORM IS INTENDED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING BY PROVIDING A PARTIAL "PROMPT LIST" OF DISCUSSION SUBJECTS. IT IS NOT A LIST OF REQUIREMENTS FOR SUBMITTAL BY THE APPLICANT.



**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES**

**FILE
NUMBER:

PA 406905**

Date:	7/11/2019		
Time:	3:00		
Project Name:	FDOT SR 789 (Ringling) - Bird Key Dr to Sarasota Harbor West		
District Engineer:	Monte Ritter		
District ES:	Kim Dymond		
Attendees:	Jason Dunn jdunn@hardestyhanover.com , Tom Pride		
County:	Sarasota	Sec/Twp/Rge:	25,26/36/17
Total Land Acreage:		Project Acreage:	<10 acres

Prior On-Site/Off-Site Permit Activity:

- ERPs 40404.000 and 40867.000 (ERP Noticed General for bridge repairs)

Project Overview:

- Proposed roadway widening and bridge replacement project over tidal waters. Roadway widening and bridge replacement will not include additional traffic lanes, but will include paved shoulders and will replace existing 5' sidewalks with 10' wide multi-use path. If wetland or surface water impacts are less than 0.5 acres proposed activity can qualify for a General Permit per Rule 62-330.443, F.A.C. Otherwise, proposed activity will qualify for an Individual ERP.

Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Properties, Delineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and Cumulative Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Provide the limits of jurisdictional surface waters.
- Project may qualify for General Permit 62-330.443, F.A.C. which allows for up to 0.50 acre of wetland and surface water impacts for certain activities. If construction exceeds 0.50 acre of impacts, an Individual ERP and mitigation will be required.
- As of October 1, 2017, the District will no longer send a copy of an application that does not qualify for a State Programmatic General Permit (SPGP) to the U.S. Army Corps of Engineers. If a project does not qualify for a SPGP, you will need to apply separately to the Corps using the appropriate federal application form for activities under federal jurisdiction. Please see the Corps' Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please call your local Corps office if you have questions about federal permitting. Link: <http://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>

Site Information Discussion: (SHW Levels, Floodplain, Tailwater Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- WBIDs – Sarasota Bay (WBIDs 1968BA, 1968B and 1968C). None of these WBIDs are currently listed for nutrient related impairments. WBIDs need to be independently verified by the consultant
- Provide documentation to support tailwater conditions for quality and quantity design
- OFW – Sarasota bay Estuary System adjacent to project area.
- Any wells on site should be identified and their future use/abandonment must be designated.

Water Quantity Discussions: (Basin Description, Storm Event, Pre/Post Volume, Pre/Post Discharge, etc.)

- Peak rate attenuation not required for bridge replacement project.
- Demonstrate proposed bridge hydraulic openings will prevent downstream scour, increased downstream velocities, and increased flood elevations on the property of others from flood events up to and including the 100-year, 24-hour event. Evaluation of the 2.33-year, 10-year, 25-year, and 100-year, 24-hour events will be acceptable.
- Demonstrate that site will not impede the conveyance of contributing off-site flows.

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

For General Permit:

- Formal water quality treatment not required.

For Individual Permit:

- Presumptive treatment not required since new travel lanes will not cause an increase in pollutant load over the existing lanes.
- Net improvement
-Refer to rule 62-330.301(2), F.A.C.
- -Net improvement not required since no new non exempt impervious areas are proposed.

Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- The project may be located within state owned sovereign submerged lands (SSSL). Be advised that a title determination will be required from FDEP to verify the presence and/or location of SSSL.
- If use of SSSL is proposed, authorization will be required. Refer to Chapter 18-21, F.A.C. and Chapter 18-20, F.A.C. for guidance on projects that impact SSSL and Aquatic Preserves.
- If there is an existing SSL public easement, the easement will need to be modified. Refer to Chapter 18-21.005, F.A.C.

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property. FDOT will be permittee.

Application Type and Fee Required:

- Notice of Intent to Use an Environmental Resource General Permit Application. \$250 for online submittal.
- Individual ERP- Sections A, C and E of application. Fee will be dependent upon project area and wetland/surface water impacts.
- Consult the [fee schedule](#) for different thresholds.

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

ELECTRONIC (Manifest): *[NAME] State of Florida, Professional Engineer, License No. [NUMBER] This item has been electronically signed and sealed by [NAME] on the date indicated here using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies*

DIGITAL: *[NAME] State of Florida, Professional Engineer, License No. [NUMBER]; This item has been digitally signed and sealed by [NAME] on the date indicated here using a Digital Signature; Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.*

- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.

Disclaimer: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.