

City of Fort Pierce
Boating Infrastructure Grant (Tier 2) Application
Moore's Creek Boat Ramp Reconstruction

PROJECT SUMMARY

Project Title – Moore's Creek Boat Ramp Reconstruction

The Moore's Creek Boat Ramp in beautiful downtown historic Fort Pierce is located on the west side of the Intracoastal Waterway (ICW), directly east of Veteran's Memorial Park, on the Indian River. The site formerly provided three double-wide ramps with finger piers to launch trailerable vessels. The ramp is located less than a mile of the South Causeway Bridge (Seaway Drive).

Following complaints and concerns from private boaters, commercial fishermen and charter boat operators for their passengers, boats and trailers due to the deteriorated condition of the finger piers at the ramp, the City of Fort Pierce demolished and hauled away the degraded finger piers, making the ramp completely unusable today.

The goals and objectives for project are to provide a safe, easily accessible, free public boat ramp with launching and staging areas at Moore's Creek in Fort Pierce for trailerable vessels, canoes, kayaks and paddleboards. Specific activities for this project include the construction of launching and staging areas at the Moore's Creek boat ramp for trailerable vessels, canoes, kayaks and paddleboards. Lighting and railing will be added to increase safety and ease of use.

Anticipated Outputs and Outcomes: We estimate as many as 10,000 trailerable vessels will be launched from the reconstructed Moore's Creek Boat Ramp. Additionally, Fort Pierce is now home to several national fishing events, including the Southern Kingfish Association tournament, which draws an additional 1,000+ trailer-able vessels desiring to launch from this ramp annually.

A boat ramp with safe finger piers at the Moore's Creek entrance to the Indian River is vital to local jobs and tourism in Fort Pierce. Many local commercial fishing and wildlife tour providers rely on the ramp for their livelihood. The Lake Okeechobee discharge's degradation of the waterways south of Fort Pierce have caused a significant increase in visitors from across the region desiring to launch from Moore's Creek to explore our area's incredible aquaculture.

Specifically, this grant request is for funding to help cover the costs to construct a new boat ramp with finger piers, fixed trailer-able vessel staging area docks, lighting, decorative safety railing, a canoe, kayak, paddle board launch site and staging/tie-up area at the Moore's Creek ramp. The City recently received a grant award from the Florida Inland Navigation District (FIND) to cover one half of the cash costs for this much needed project.

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PROJECT STATEMENT

1. *The Need for the Proposed Project:*

The finger piers at the Moore's Creek Boat Ramp were recently disassembled and hauled away due to safety issues for boaters, boats and trailers. The boat ramp is not usable in its present condition.

The only other boat ramp for launching trailerable vessels in the downtown Fort Pierce area is a very small ramp located at Fisherman's Wharf, which provides only two ramps divided by one finger pier.

Fort Pierce is quickly becoming a prime aquaculture destination on the Treasure Coast. When operational, this boat ramp was continuously used by local citizens and visitors from throughout the region, who travel here frequently to enjoy fishing, diving, sightseeing, various water sports and nationally-acclaimed fishing tournaments.

We estimate more than 10,000 trailerable boats were launched annually from the Moore's Creek boat ramp when it was operational. Now that the City is home to nationally-acclaimed fishing competitions, including the annual Southern Kingfish tournament, we estimate more than 1,000 additional boats could certainly utilize easy access to the Indian River Lagoon and ICW provided from this free boat ramp. While we do not have an estimate on the number of canoes, kayaks and paddleboards that will launch from this site, we do know that these watersports are extremely popular in Fort Pierce and there is no launch site available for canoes, kayaks or paddleboards in the entire downtown waterfront area.

Failure to provide an efficient, safe way to accommodate numerous trailerable vessels wanting to launch into the Indian River Lagoon will significantly decrease the amount of visitors and citizens to downtown Fort Pierce - which will create a dynamic negative economic impact to the entire area.

This project will provide a safe, easy to use rehabilitated boat launching area, plus a new staging area for loading and unloading vessels, new launching area for canoes, kayaks and stand-up paddle-boards, security lighting and railing, which will increase public access to the ICW since the Moore's Creek boat ramp is located on the west side of the ICW in Fort Pierce, on the Indian River.

This project will increase public safety, decrease the possibility of damage to vessels and equipment and enhance everyone's overall experience, which will increase participation and subsequently strengthen the economic viability of the entire area.

2. *The Purpose of this Project:*

This purpose of this project is to provide a safe, easily accessible, free public boat ramp with launching and staging areas at Moore's Creek in Fort Pierce for trailerable vessels, canoes, kayaks and paddle-boards. The existing boat ramp at Moore's Creek is unusable.

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3. *The Objective(s) of this Project:*

The objective of this grant application is to provide ½ of the cash funding required to reconstruct the boat ramp at Moore's Creek in Fort Pierce for trailerable vessels, add launching capabilities for canoes, kayaks and paddleboards, security lighting and railing by the end of this grant award project period designated by FWC.

4. *Results or Benefits Expected:*

This project will provide a safe, easy to use rehabilitated boat launching area, plus a new staging area for loading and unloading vessels, new launching area for canoes, kayaks and stand-up paddle-boards, security lighting and railing, which will increase public access to the Indian River and the ICW.

We estimate more than 10,000 trailerable boats will launch annually from the Moore's Creek boat ramp once it is rehabilitated. While we do not have an estimate on the number of canoes, kayaks and paddleboards that will launch from this site, we do know that these watersports are extremely popular in Fort Pierce and there is no launch site available for canoes, kayaks or paddleboards in the entire downtown waterfront area.

This project will increase public safety, decrease the possibility of damage to vessels and equipment and enhance everyone's overall experience, which will increase participation. This will subsequently strengthen the economic viability of the City of Fort Pierce's local economy from increased sales of gasoline, food, equipment, supplies, and increase patronage to area tourism-related venues, restaurants, and shopping in downtown Fort Pierce.

5. *Approach:*

- The Concept/Preliminary Design for this project is complete and included with this application. Since this is a 'Design/Build' project, the contractor that is awarded the project, following the receipt of responses from the Request for Proposal (RFP) will attend to the engineering designs for this project.
- Three new finger piers at the Moore's Creek Boat Ramp will be constructed from marine-grade aluminum.
- New canoe, kayak and paddle board launching area will be constructed from geo-tubes made from recycled plastic, filled with sand, which will create a berm, with the inside of the berm filled with sand.
- New floating dock (8'x30'), which will be used as the staging area for canoes, kayaks and paddle boards at Moore's Creek Boat Ramp, will be constructed from polyethylene pipe and composite decking (recycled plastic).
- New fixed dock (8'x95') will be constructed from marine-grade wood piling and decking and will be used as a staging area for boats at the Moore's Creek boat ramp area.
- Both the floating and fixed docks will be ADA accessible.
- New decorative railing from heavy aluminum will be installed along the perimeter around the fixed dock area along the ramp area to enhance safety.

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- LED lighting will be installed in the fixed dock area at along the ramp area to enhance safety.
- All of the construction techniques utilized for this project will follow standard marine construction techniques.
- This project will include signage promoting the “Clean Boater Pledge” at both project sites and include dispensers of “In Water Clean-Up Bags’ and trash bins.

When complete, the rehabilitated boat ramp and new launch site for canoes, kayaks and paddleboards will be designated with signage stating that funding was provided in part through the FWC Boating Infrastructure Grant program and the Florida Inland Navigation District (FIND). No user fees will be charged to use the ramp or launching area. The boat ramp and launching area will remain open to the public 24-hours/day. Ongoing maintenance to the ramp and launching area will be provided by the City of Fort Pierce.

5. Project Officer:

- Dean Kubitschek – Manager, Fort Pierce City Marina
- Mr. Kubitschek is not the Federal Aid Coordinator for the State agency.
- Telephone – 772-467-4101; Email: fpcmdean@city-ftpierce.com
- Mr. Kubitschek has signatory authority for committing the City to a course of action, per authorization via Resolution by the Fort Pierce City Commission.

Project Coordinator:

- Libby Woodruff – Manager, Grants Administration Division, City of Fort Pierce
- Ms. Woodruff is not the Federal Aid Coordinator for the State agency.
- Telephone – 772-467-3169; Email: ewoodruff@city-ftpierce.com
- Ms. Woodruff does not have signatory authority for committing the City to a course of action.

6. Concessioner or Subgrantee – N/A

7. Assurance of Authorized Purpose During Useful Life of Facility

The purpose for the Moore’s Creek Boat Ramp is well established and unchanging. This grant request is for funding to rehabilitate the existing ramp and add additional amenities to promote ease of use and safety.

The useful life of the Moore’s Creek Boat Ramp is expected to be 25 years. This determination is based upon the proposed construction techniques, and derived from the following: 1) size of the project; 2) geographical location of the project; 3) quality of construction materials; 4) anticipated volume of use; and 5) previous knowledge of useful life of similar size/scope projects.

8. Geographic Location:

Moore’s Creek Boat Ramp	<u>County</u> St. Lucie	<u>Latitude</u> 27.451580	<u>Longitude</u> -80.323455
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9. *Timeline of Activities:*

The preliminary designs for this project are complete.

September, 2016 – Received grant award notice from the Florida Inland Navigation District for ½ cash cost for this project

August, 2017 – Apply for grant funds from the Florida Boating Infrastructure Grant (BIG) Tier II Program

March, 2018 – Receive notice of grant award from the BIG program

May, 2018 – RFP for Design/Build project opens

July, 2018 – Contract for Design/Build project is awarded

January, 2019 – Project is complete

10. *Relationship with other Federal grants: N/A*

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BUDGET

PROJECT COST			
Budget Information – Construction Projects			
Cost Classification	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative & legal expenses	\$ 29,850	\$	\$ 29,850
2. Land, structures, rights-of-way appraisals, etc.	\$	\$	\$
3. Relocation expenses & payments	\$	\$	\$
4. Architectural & engineering fees	\$ 9,500	\$	\$ 9,500
5. Other architectural & engineering fees	\$	\$	\$
6. Project inspection fees	\$ 12,000	\$	\$ 12,000
7. Site work	\$ 10,000	\$	\$ 10,000
8. Demolition & removal	\$	\$	\$
9. Construction	\$ 25,000	\$	\$ 25,000
10. Equipment	\$ 115,000	\$	\$ 115,000
11. Miscellaneous	\$	\$	\$
12. SUBTOTAL (Sum of 1-11)	\$ 201,350	\$	\$ 201,350
13. Contingencies	\$	\$	\$
14. SUBTOTAL	\$ 201,350	\$	\$ 201,350
15. Project (program) income	\$	\$	\$
16. TOTAL PROJECT COSTS (Subtract 15 from 14)	\$ 201,350	\$ 0	\$ 201,350
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter resulting Federal share Enter eligible costs from line 16c Multiply X ___ %	78,500 \$	\$ \$	78,500 \$

PROJECT COST			
SOFT (NON CASH) FUNDS			
Cost Item	Applicant	Other**	TOTAL
Administration	\$ 29,850	\$	\$ 29,850
In-Kind Engineering	\$ 2,500	\$	\$ 2,500
In-Kind Labor	\$	\$	\$
In-Kind Materials	\$	\$	\$
In-Kind Equipment	\$	\$	\$
In-Kind Inspection	\$ 12,000	\$	\$ 12,000
Other:	\$	\$	\$
TOTAL SOFT FUNDS:	\$ 44,350	\$	\$ 44,350

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BUDGET

HARD (CASH) FUNDS				
Cost Item	Applicant	Other**	BIG P Grant	TOTAL
Property Acquisition	\$	\$	\$	\$
Consultant Master Plan	\$	\$	\$	\$
Consultant Engineering	\$	\$	\$	\$
Consultant Inspection	\$	\$	\$	\$
Construction	\$	\$78,500	\$78,500	\$
Other:	\$	\$	\$	\$
TOTAL HARD FUNDS:	\$	\$	\$	\$

GRAND TOTAL	\$	\$78,500	\$78,500	\$
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****Source of Other Funds:**

Federal
 State/Local
 Loan

Agency Name: Florida Inland Navigation District (FIND)

Grant Name (if applicable): Waterways Assistance Program

Approval Status: Approved Pending Intend to Apply, Date: _____

****Source of Other Funds:**

Federal
 State/Local
 Loan

Agency Name:

Grant Name (if applicable):

Approval Status: Approved Pending Intend to Apply, Date: _____

****Source of Other Funds:**

Federal
 State/Local
 Loan

Agency Name:

Grant Name (if applicable):

Approval Status: Approved Pending Intend to Apply, Date: _____

PROJECT PERMITTING

Construction Projects Only

Has an application been submitted to:	No	Yes (submit copy)	Approved (submit proof)
Florida Department of Environmental Protection?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
U.S. Army Corps of Engineers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local and Others (If needed)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

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D. Budget Narrative:

Cost Classification	Amount	Description
Administration & Legal	\$29,850	Soft (Non-Cash) Cost – All costs associated with day-to-day project implementation, RFP creation, release, contractor mandatory site visits, receipt of responses to RFP, contract creation, Legal Department and City Commission approval meetings; scheduling/ attending design meetings, project construction oversight, inspection scheduling; grant award reporting, file maintenance, etc. - involving Grants Division Manager, City Marina Manager, Legal Department staff, City Commissioners.
Architectural & Engineering	\$2,500	Soft (Non-Cash) Cost – Assistance in project oversight to include, but not be limited to RFP creation; contractor contract creation, contractor on-site meetings, inspection meetings, grant award reporting assistance, etc.
Inspections	\$12,000	Soft (Non-Cash) Cost – Oversight from beginning through final approval and closure of all permits associated with project; day-to-day inspections, meetings with contractors; coordination of inspections with City, County, Fire, etc.
TOTAL SOFT COSTS	\$44,000	
<p>Estimates for Soft (Non-Cash) Costs were determined via estimating number of hours needed multiplied by staff pay rates, estimating legal fees and costs for Commissioner's time.</p>		
Architectural & Engineering	\$7,000	Hard (Cash) Funds - Professional architectural design, engineering, and electrical designs for entire project. This is a design/build project.
Site Work	\$10,000	Hard (Cash) Funds - All site work needed to prepare area for construction of two staging areas and launching areas (boats and paddleboard/kayak/canoe; railing, lighting, etc. Includes estimate for initial site work preparation and mobilization of construction heavy equipment and supplies.
Construction and Materials	\$140,000	Hard (Cash) Funds - Budget estimate for construction contract with construction company. This contract will be bid competitively according to City of Fort Pierce procurement policies and procedures. Materials will include, but not be limited to: Marine Grade Aluminum Finger Piers, Geo-Tubes, Sand, Polyethylene Pipe, Recycled Plastic, Marine-Grade Wood Piling, Heavy Aluminum Fencing, LED Lighting Around the Fixed Dock Area; ADA Accessibility through ramps, handrails, etc.
TOTAL HARD COSTS	\$157,000	
<p>Estimates for Hard (Cash) Funds were determined via local marine contractor.</p>		

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- E. Match and other partner contributions:** The City was recently awarded a grant from the Florida Inland Navigation District to cover $\frac{1}{2}$ of the **Hard (Cash) Funds** = \$78,500
- F. Contingency Costs:** N/A
- G. Proration:** N/A
- H. Program Income:** N/A
- I. Equipment:** N/A
- J. Materials:** Marine Grade Aluminum Finger Piers, Geo-Tubes, Sand, Polyethylene Pipe, Recycled Plastic, Marine-Grade Wood Piling, Heavy Aluminum Fencing, LED Lighting Around the Fixed Dock Area; ADA Accessibility through ramps, handrails, etc.
- K. Useful Life:** We estimate the useful life of this project to be 25 years. The useful life of the Moore's Creek Boat Ramp project is expected to be 25 years. This determination is based upon the preliminary engineering that was produced by the City's Engineering Department. Their determination is based upon a variety of factors including: (1) size of project; (2) geographic location; (3) quality of construction materials; (4) anticipated volume of use; (5) anticipated type of vehicles/boats using the site; (6) prevailing geographic weather; (7) wave erosion; and (8) previous knowledge of useful life of similar size/scope projects.
- L. Required Indirect Cost Statement:** This application is being submitted by the City of Fort Pierce through the State of Florida, Florida Fish and Wildlife Commission (FWC), which is a U.S. state agency receiving more than \$35 million in direct Federal funding each year. We have conducted significant research and are unable to determine what Florida FWC's indirect cost rate is as of this date. We expect they will submit a copy of their most recently approved rate agreement/certification with their application which will include this and numerous other grant applications for assistance.
- M. Single Audit Reporting Statement:** This information will be provided by the State of Florida Fish and Wildlife Commission, a state agency. A copy of the most recent City of Fort Pierce Comprehensive Annual Financial Report for fiscal year ending September 20, 2016 is attached to this grant application.
- N. Required Overlap/Duplication Statement:** There will be no overlap between the proposed project and any other active or anticipated projects in terms of activities, costs or time commitment of key personnel.
- O. Geographic Location/Drawings/ Maps/Photographs**
1. The location of the project site using Global Positioning System (GPS) coordinates in the following format: *degrees: minutes: seconds*;
Latitude: N: 27.451580 Longitude: W -80.323455

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2. All existing structures, facilities, and amenities

Below is an aerial photo of the existing unusable Moore's Creek Boat Ramp and its nonexistent amenities:

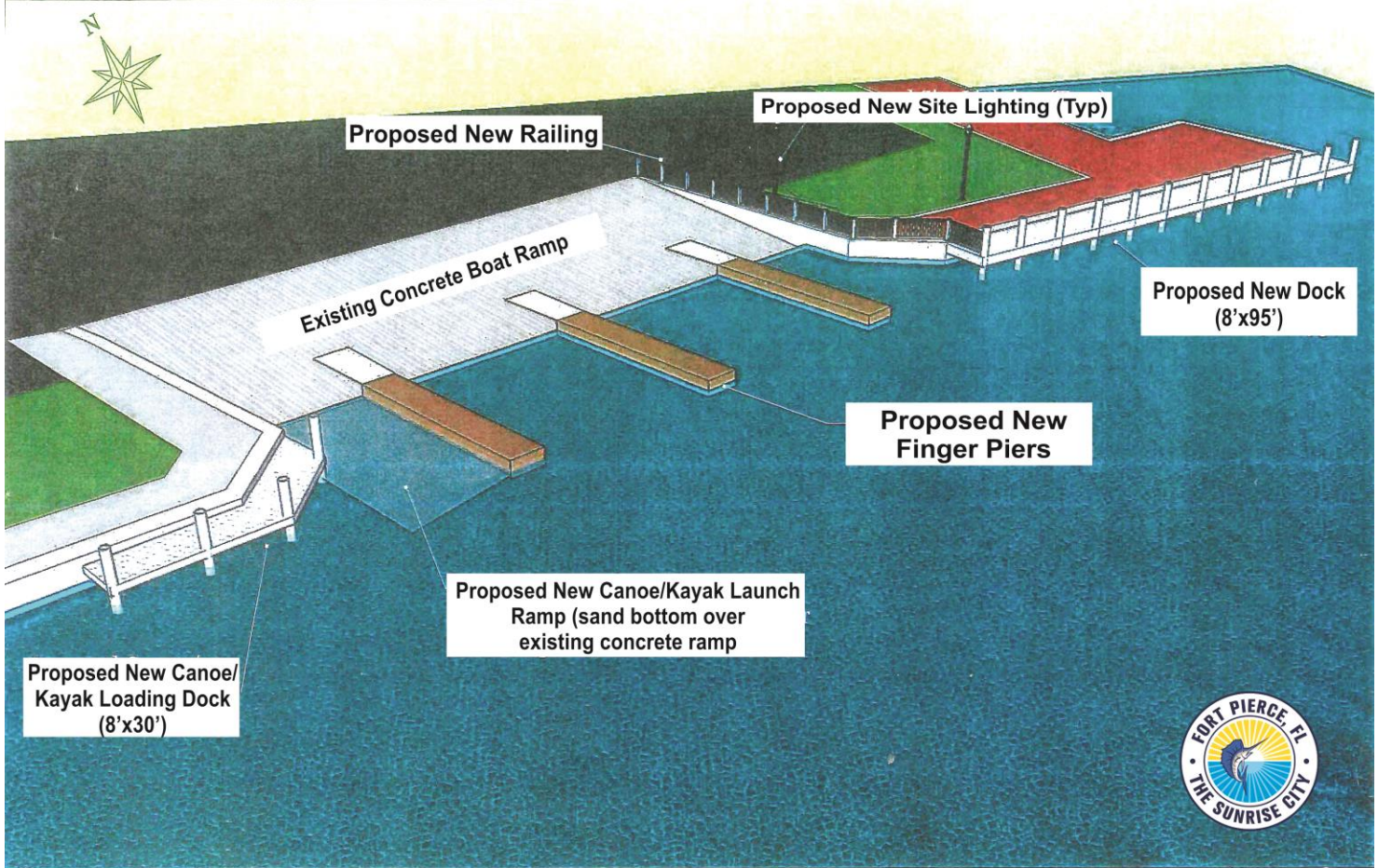


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3. All proposed project components:

Below is the preliminary design for the new Moore's Creek Boat Ramp facility:

Preliminary Design - Moore's Creek Boat Ramp Improvements



**Reconstruction of Docking Facilities
Existing Moore's Creek Boat Ramp**



Fort Pierce Engineering Department
100 N. US 1 Fort Pierce, FL 34950
(772) 487-3773

Moore's Creek Boat Ramp

REVISIONS	
MM/DD/YY	REMARKS
1 06/17/16	Conceptual Drawing
2	
3	
4	
5	

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4. Clearly marked areas that are for (1) eligible transient recreational vessels, (2) areas that are for others, and (3) areas that are for shared use:

When complete, the Moore's Creek Boat Ramp will provide a safe, free, easily-accessible launching facility for trailerable recreational vessels. This facility will not house transient recreational vessels. Please see the photo on page 12 (previous page) that clearly marks the areas for the location of 1) Finger Piers – these will provide safe launching access for trailerable vessels; 2) Trailerable vessel staging area; 3) Kayak, Canoe and Paddleboard launching area; and 4) Kayak, Canoe and Paddleboard docking area.

5. Water depths (before and after planned dredging, if applicable):

This grant application is not for dredging. We estimate the depth ranges from 5' - 15' at the Moore's Creek Boat Ramp, depending on low and high tide.

6. If dredging is proposed, you must include an aerial photograph or schematic drawing to indicate the specific area(s) you intend to dredge.

This grant application is not for dredging.

7. Measurements for all docks, bulkheads, breakwaters, and other features where boats will be accommodated:

New floating dock (8'x30'), which will be used as the staging area for canoes, kayaks and paddle boards at Moore's Creek Boat Ramp, will be constructed from polyethylene pipe and composite decking (recycled plastic).

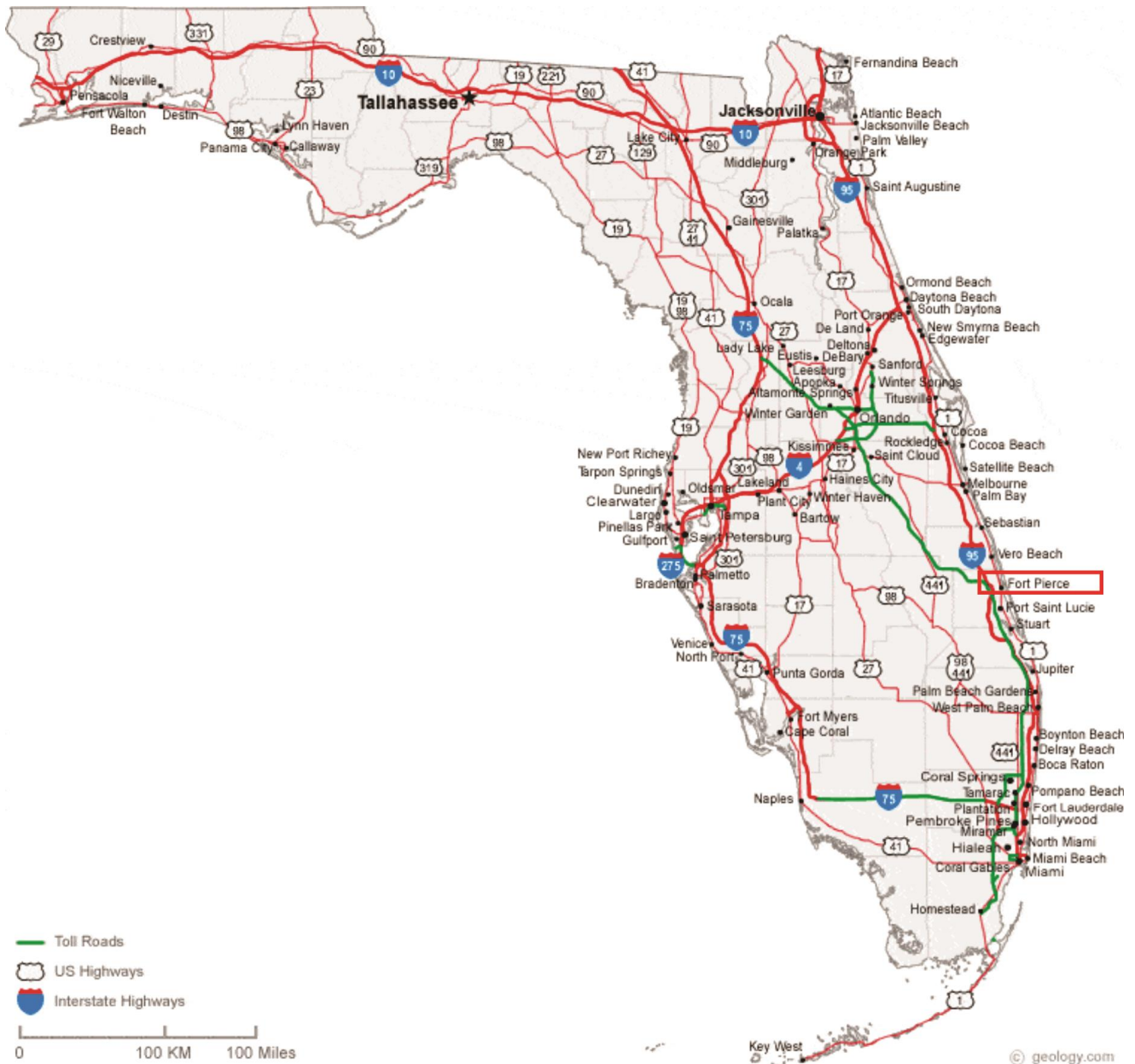
New fixed dock (8'x95') will be constructed from marine-grade wood piling and decking and will be used as a staging area for boats at the Moore's Creek boat ramp area.

8. Any other information that will assist reviewers to identify project components, prorating criteria, or other factors involved with ranking.

- a. Three new finger piers at the Moore's Creek Boat Ramp will be constructed from marine-grade aluminum.
- b. New canoe, kayak and paddle board launching area will be constructed from geo-tubes made from recycled plastic, filled with sand, which will create a berm, with the inside of the berm filled with sand.
- c. New floating dock (8'x30'), which will be used as the staging area for canoes, kayaks and paddle boards at Moore's Creek Boat Ramp, will be constructed from polyethylene pipe and composite decking (recycled plastic).
- d. New fixed dock (8'x95') will be constructed from marine-grade wood piling and decking and will be used as a staging area for boats at the Moore's Creek boat ramp area.
- e. Both the floating and fixed docks will be ADA accessible.
- f. New decorative railing from heavy aluminum will be installed along the perimeter around the fixed dock area along the ramp area to enhance safety.

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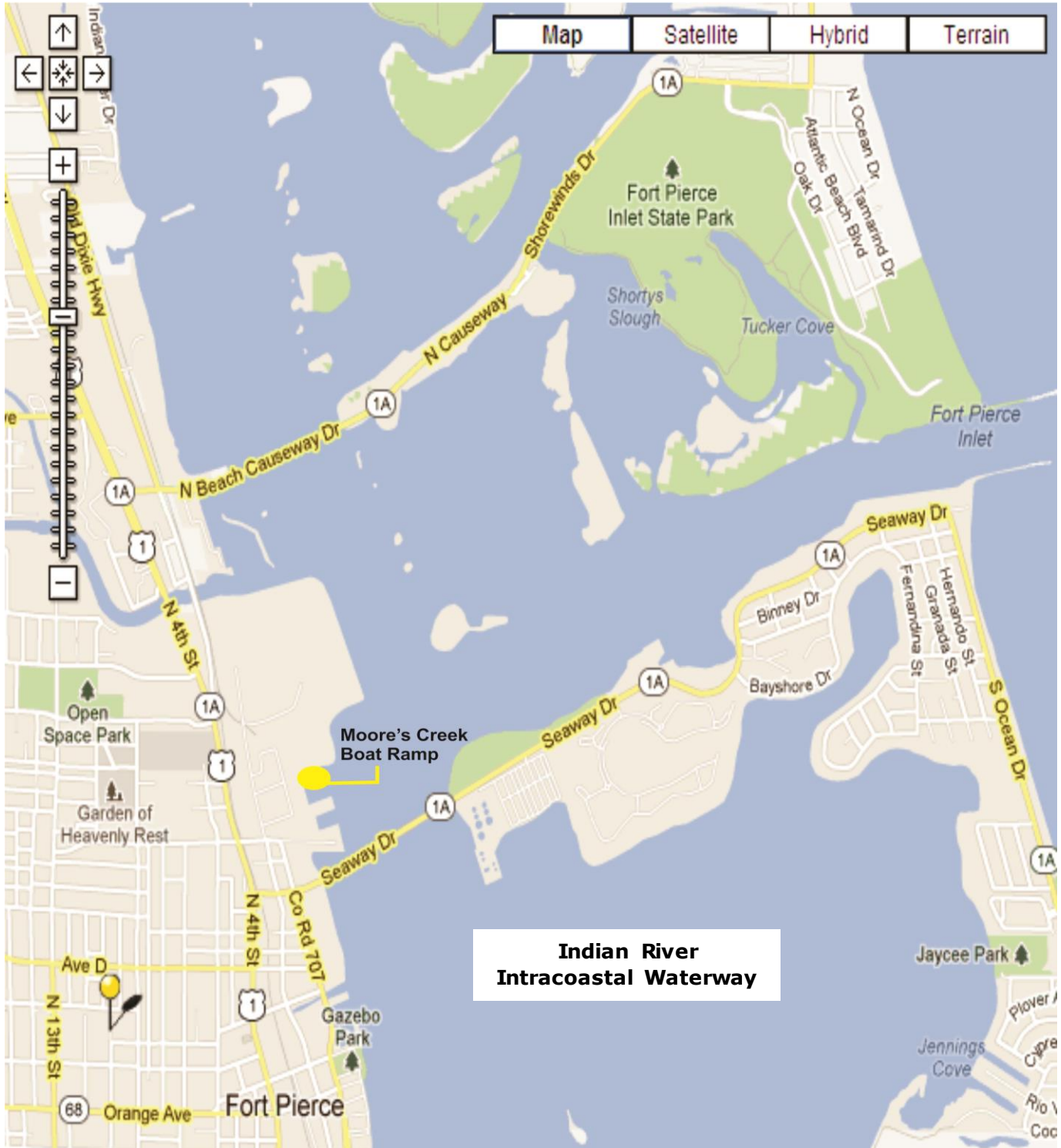
- g. LED lighting will be installed in the fixed dock area at along the ramp area to enhance safety.
 - h. All of the construction techniques utilized for this project will follow standard marine construction techniques.
 - i. This project will include signage promoting the “Clean Boater Pledge” at both project sites and include dispensers of “In Water Clean-Up Bags’ and trash bins.
9. A small State map that shows the general location of the project:



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10.A local map that shows the facility location and the nearest community, public road, and navigable water body;

City of Fort Pierce, Florida
City Location Map



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9. Maps or images that show proximity or distances to significant destinations, services that support eligible users, terrain considerations, access, or other information applicable to your project.

Please see project location map below:



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12. Any other map that supports the information in the project statement.

