RFP 2018.01 - Engineering, Design and Permitting for Isle of Palms Marina Docks Rehabilitation

Addendum #2 - BIG Application



- APPLICATION FOR FUNDING -

Boating Infrastructure Grant Program Tier 1

Isle of Palms Marina
City of Isle of Palms, South Carolina

Project Summary

<u>Project Title</u>: Isle of Palms Marina - Fuel Infrastructure

<u>Project Location</u>: City of Isle of Palms, South Carolina

<u>Background and Need</u>: The Isle of Palms Marina is a popular City-Owned Marina that is located directly on the Atlantic Intracoastal Waterway (AIWW) at Morgan Creek, just outside Charleston, South Carolina. Immediately adjacent to the renowned Wild Dunes Resort, the marina provides a variety of amenities for local residents and visitors.

The marina facility was purchased by the City of Isle of Palms in 1999 and is comprised of aging infrastructure, much of which is nearing the end of its useful service life. This specifically includes the marine fuel system.

Coupled with the degradation of the fuel system (and other infrastructure) at the subject site, the marina has seen an increase in the demand for dockage and fuel from transient boaters as the economy has improved in recent years and nearby reaches of the AIWW have been dredged. This dredging is allowing greater access for transient vessels transiting the Waterway through the area immediately adjacent to the subject marina. Therefore, the need to provide updated, functional fuel service is imperative to continue to attract visiting transient boaters.

<u>Proposed Project Elements</u>: The elements of this project include:

- Replacement of aged marine fueling infrastructure
 - o Fuel distribution lines and appurtenances
 - o Fuel dispensers and hose reels
 - o Fuel dock
 - Fuel attendant hut



Project Statement

Introduction

The City of Isle of Palms is a popular tourist destination and residential community of 4,133 residents that is located just outside the City of Charleston, South Carolina. Bordered on the east by the Atlantic Ocean and on the west by the AIWW, watersports and boating are ingrained into the culture and contribute to the allure of this barrier island.

Purchased by the City in 1999, the Isle of Palms Marina offers a wide variety of amenities for local and visiting boaters, area residents, and tourists. Since the City purchased the marina, the popularity of the facility has grown substantially. The City has invested a substantial amount in renovating and replacing selected infrastructure such as the addition of a large floating dock along the Intracoastal Waterway in ~2004 and the replacement of the seawall along Morgan Creek in 2009. However, much of the marina facility's infrastructure, specifically the marine fueling system, has deteriorated and must be replaced.

In 2015 the City commissioned a comprehensive redevelopment master planning effort for the entire marina site. This effort included a detailed engineering condition assessment of existing, on-site infrastructure. The findings of this effort clearly indicated the deterioration and the need to replace the existing marine fueling system.

Project Need

The Isle of Palms Marina enjoys a wonderful location on the AIWW. With improving economic conditions and the increase in boating activity in recent years the demand for marina dockage has increased at this and other marina facilities in the region. Further, recent (2016) dredging efforts of the AIWW at Breach Inlet (3.5 miles to the south of the facility) have significantly enhanced waterway access for larger vessels in the subject area. Marina management reports a spike in transient boater activity and demand since the dredging efforts.

In contrast to improving economic conditions, increased boating activity/demand, and enhanced Waterway access in the subject area, much of the marina infrastructure at the Isle of Palms Marina is quite dated, at the end of its useful service life, and is beginning to fail/disintegrate. This specifically includes the marine fueling system.

Since the subject marina is located in such a highly desirable location, is immediately adjacent to the AIWW, and is the northernmost marina in Charleston County to provide overnight transient dockage, marine fuel, provisioning, and other services, the immediate need and opportunity to replace the deteriorated marine fueling system is clearly apparent to ensure that transient boaters



continue to utilize the facility and benefit from the availability of reliable fuel service at the marina.

Project Purpose

The ultimate purpose of the proposed project is to replace the marine fueling system at the subject site which has reached the end of its useful service life. This will enable local and transient boaters to continue to obtain marine fuel along the AIWW at the Isle of Palms and attract additional visitation to the area.

Project Objectives

- Replace the marina fueling system at the subject site to include:
 - o Fuel distribution lines and appurtenances from underground storage tanks
 - o Fuel dispensers and hose reels
 - Fuel dock
 - Fuel attendant hut

Benefits and Results Expected

The implementation of the project will include the construction of the following elements:

 New marine fueling infrastructure will enable the continued, safe provision of marine fuel at the facility and an increased fuel dispensing flow capability that will better serve all marina patrons, including the many transient boaters who seek fuel at this AIWW marina.

Approach

The proposed implementation of the new fuel infrastructure is part of a larger marina site redevelopment plan. This plan has been finalized and the City also recognizes the poor condition of the fuel infrastructure, including the need to replace/upgrade. The underground storage tanks associated with this fuel system will be replaced in the Fall of this year (not included in this application). With this in mind, the anticipated approach for this project is as follows:

- Regulatory permitting efforts for marine improvements, including new fuel dock
- Regulatory permitting and engineering design for upland improvements
- Replacement of upland fuel storage tanks (Fall 2017, not included herein)
- Engineering design for marine improvements
 - Floating docks
 - o Marine fuel distribution system and appurtenances



• Execution of marine improvements

Additional information on the anticipated timeline for the <u>project-related</u> activities is provided below.

Contact Information for the City of Isle of Palms:

Ms. Linda Lovvorn Tucker

City Administrator
Post Office Box 508
1207 Palm Boulevard
Isle of Palms, South Carolina 29451

City Hall 843 886 6428 Mobile 843 224 4916 Fax 843 886 8005

<u>ltucker@iop.net</u>
Website <u>www.iop.net</u>

Control of the Facility

The Isle of Palms Marina is owned by the City of Isle of Palms and operated by a professional marina operations firm, Marina Joint Ventures (MJV). MJV has successfully operated the marina for many years and has recently been awarded a lease extension through the year 2045. Both parties have a close, long-standing, collaborative relationship that has resulted in strong growth in marina popularity and use. Both are committed to operating the Isle of Palms marina for the useful life of the proposed improvements (and beyond). Further, both parties are partners in this grant application and fully understand and embrace the implications of their commitment to the BIG program.



Timeline of Activities

The following summarizes the anticipated timeline of <u>marine</u> redevelopment:

- August 2017 Submit Boating Infrastructure Grant Application
- January 2018-January 2019 Regulatory Permitting for Marina Redevelopment
- March 2018 Notice of BIG Awards
- March 2018-March 2019 BIG Obligation
- March 2018-December 2018 Engineering Design
- December 2018 January 2019 Project Bidding
- January-March 2019 Installation of Marine Improvements
- March 2019 Re-open fuel dock in time for transient boater migration up AIWW

Relationship with Other Grants

The proposed improvements at the subject site include the replacement of an existing marine pumpout stanchion which is located at the existing fuel dock. It is anticipated that this stanchion and pumpout system will be replaced as part of this project and will be the subject of a forthcoming Clean Vessel Act (CVA) grant application. Costs for pumpout replacement <u>are not</u> included in this BIG application.



Budget Narrative

Estimated Project Cost

The estimated cost of the proposed marine fuel improvements is \$275,630. The BIG-eligible portion of this amount is conservatively estimated at \$141,770. The requested federal cost share is \$69,467. See included cost estimate and prorating summary in a subsequent section.

Match and Other Partner Contributions

The three project partners, the match, and the contributions are detailed as follows:

City of Isle of Palms

The City will provide the primary financial match for the proposed project.

Marina Joint Ventures

Marina Joint Ventures (MJV) is the long-time marina operator and provides all operations and management services at the marina facility. MJV has pledged a cash match of \$5,000 for this project.

Charleston Area Convention and Visitors Bureau

The CCVB will provide promotion of the new marina improvements, specifically, the improved fuel system capabilities. This effort will occur through the CCVB's multiplatform marketing efforts, including their web presence. The promotion and advertising provided by the CCVB will help ensure significant exposure for this proposed project.

For purposes of this application, a modest in-kind match amount for these services is assumed.

Additional information is provided in subsequent sections of this application.

Contingency Costs

Not included.

Proration

A detailed cost estimate (with proration) and color-coded redevelopment plan for the proposed project are provided in subsequent sections for reference. The following summarizes proration methodology for various project elements.



Fuel Dock Area

The proposed project includes four main elements. The pro-rating for each of these elements varies slightly and is described below.

- Fuel distribution lines and appurtenances
 - o According to the marina manager, MJV, overall sales distribution of fuel sales by type is approximately 40% diesel and 60% gasoline.
 - o 90% of diesel sales that occur during the March-May and October-December AIWW peak travel seasons are attributed to eligible transient boaters.
 - o 50% of gas sales for the same periods come from eligible transient boaters.
 - o Fuel sales trends for the remainder of the year are generally similar.
 - Therefore, a 66% prorating factor is calculated for this element (see below calculation). Note: Total fuel sales volume was not provided, therefore a basis method was used for the below calculation.

Isle of Palms Marina Fuel Sales Calculation					
	Volume Basis or Total Sales Volume				
	100				
Diesel		Gasoline			
% Annual Fuel Sales - Diesel		% Annual Fuel Sales - Gasoline			
40%		60%			
Volume/Year (40% * 100)		Volume/Year (60% * 100)			
40		60			
% Sold to Eligible Transients		% Sold to Eligible Transients			
90%		50%			
Eligible Transient Volume (90% * 40)		Eligible Transient Volume (50% * 60)			
36		30			
	Total Transient Volume (Diesel + Gas, 36+30)				
	66				
	Total Transient Volume/Total Sales Volume (66/100)				
	66%				

- Fuel dispensers and hose reels
 - o Prorating for this element is the same as the above, 66%.



Fuel dock

- The outer half of the fuel dock will be used to accommodate marine fueling operations.
- o The inner half of the dock will provide berthing to ineligible vessels.
- O Considering the prorating factor developed above, the outer half (50%) of the fuel dock will serve fuel customers of whom 66% are eligible under the BIG program.
- Thus, 66% of the outer half of this structure will serve eligible transient vessels. 66% x 50% (outer half of the dock) or 33% of the cost of this structure is eligible under the program.

A 33% pro rating factor is therefore applied to the fuel dock. This is considered a simplified and conservative factor as it does not account for the eligible transient activity associated with the fuel attendant hut on the inside of the dock.

• Fuel attendant hut

The primary purpose of the fuel hut is to provide point of sale capabilities for marina fuel staff (and we have established that 66% of fuel sales are attributed to eligible transient boaters). However, other general marina functions are handled out of this structure, including general marina business, slip rentals (transient and seasonal), boat ramp pass sales, etc.

With this in mind, a 50% prorating factor has been applied to this project element.

Program Income

No Program Income will be generated by the project.

Equipment

It is not anticipated that any stand-alone equipment will be purchased with BIG funds as part of this project.

Useful Life

All capital improvements that are part of the proposed project will be designed to have an estimated useful life of at least 15-years in the marine environment at this site.



The marina fuel distribution lines and appurtenances (valves, monitoring system, etc.) will be specifically designed for use in a marine application. Flexible connections will be provided at the bulkhead penetration and at the base of the gangway where it articulates onto the floating dock system. This will ensure that the system is sustainable through daily tidal fluctuations as well as storm events. Piping will include double-wall containment to help reduce the possibility of spills.

The on-dock infrastructure including the fuel dispensers, hose reels, etc., will be purpose-designed for a marina application. Stainless steel enclosures that are NEMA" (National Electrical Manufacturer's Association) rated for the intended use (e.g. outdoor/hose down/splashing water) will be used. Appropriate, NFPA-compliant fire protection and spill prevention control and countermeasure equipment will also be provided on the fuel dock, but is not included in this application.

The fuel dock itself will be a purpose-designed and commercially manufactured floating dock system that is specified to properly accommodate the anticipated environmental conditions (e.g. wind, waves, wakes, tidal fluctuations, sea level rise, surge, live loading, etc.) at the subject site. This will include careful consideration of pile lengths, sizes, and cut-off (top) elevations. Further, specific consideration will be given to the dead load of the fuel equipment (piping, dispensers, hose reels) and location of required spill containment sumps in the floating docks.

The fuel piping and monitoring equipment as well as the on-dock appurtenances are expected to have a useful life of ~15 years. The floating dock and fuel attendant hut are expected to have useful lives of 25-years in the marine environment. This is based on the extensive experience of the City's marina engineering consultant with similar marine fuel and floating dock installations.



Preliminary Cost Estimate and Prorating Summary

Isle of Palms Marina							
Tier 1 BIG Application							
30-Jun-17							
<u>Description</u>	<u>Number</u>	<u>Units</u>	<u>Unit Cost</u>	Total Cost	<u>% Eligible</u>	<u>Total Eligible</u>	
Fuel Distribution Lines and Appurtenances	1	Lump Sum	\$90,000	\$90,000	66%	\$59,400	
Dispensers and Hose Reels	1	Lump Sum	\$35,000	\$35,000	66%	\$23,100	
Fuel Dock	1,452	Square Ft.	\$65	\$94,380	33%	\$31,145	
Fuel Attendant Hut	450	Square Ft.	\$125	\$56,250	50%	\$28,125	
			Project Total	\$275,630	Total Eligible	\$141,770	
				% LOCAL	MATCH	\$72,303	51%
			DEGLISCEE	D FEDERAL COST CHARE		400.467	400/
			REQUESTED FEDERAL COST SHARE		\$69,467	49%	

The local match components are as follows:

City of Isle of Palms \$62,303 (cash)

Marina Joint Ventures \$5,000 (cash)

Charleston Area Convention and Visitors Bureau \$5,000 (in kind)

The City will also pay for the non-eligible portion of the project.



Response to Ranking Criteria

Meet a Documented Need, Improve Eligible Boater Access, and Demonstrate Cost Efficiency

Will the proposed boating infrastructure meet a need for more or improved facilities?

As mentioned, the floating docks and the marina utility systems at the existing Isle of Palms Marina are either at or fast approaching the end of their useful lives. This has been documented in an engineering condition assessment of the subject facility and specifically includes the marine fueling infrastructure.

Marina fuel dispensers are heavily corroded and unstable. Marina fuel hose reels are covered in make-shift plywood boxes. The marina fuel dock and fuel hut are aged and showing signs of advanced deterioration (structural framing connections within the docks, etc.). The need to renovate/replace the docks and marina utilities is becoming critical to ensure continued functionality, safety, and attractiveness of the marina.

The marina facility is also located immediately on a reach of the Atlantic Intracoastal Waterway (AIWW) that has just been dredged (2016) and now provides even greater access for boaters in this area. Coupled with improving macroeconomic conditions and generally stable/lower fuel costs, the demand for improved transient fueling facilities is clearly evident. A redeveloped Isle of Palms Marina fuel dock/fuel system will continue to provide this opportunity to the many transient boaters traversing the AIWW and the greater Charleston area.

Will eligible users receive benefits from the proposed boating infrastructure that justify the cost of the project?

The proposed project represents a small piece of a much larger facility redevelopment plan that was initiated by the City in 2015. The fuel infrastructure is a driving force behind transient boater visitation to the marina. Improved fuel infrastructure will serve to continue to spur that demand and enable visiting transient boaters to take advantage of the other facilities and amenities at the subject site that are not included in this application, including:

- Transient dockage
- Access to restrooms, shower, and laundry facilities
- Marine pumpout
- Marina store
- On-site restaurant
- Proximity to a variety of local attractions



It is also noted that the marina and fuel dock is situated on a reach of water that is generally protected from wind driven waves by virtue of facility orientation and limited open water fetches. Additionally, the portion of the marina on Morgan Creek is a naturally protected harborage for vessels. The area of the AIWW immediately adjacent to the marina is also a designated no-wake zone for the bulk of the year (including the prime transient boating seasons in the Spring and Late Summer/Early Fall). All of Morgan Creek is a year-round no wake zone.

Based on the attractive location, protected nature of the marina as well as the typical dock material types at other nearby marina facilities, the proposed redevelopment will include floating docks that consist of timber framed systems with HDPE polytub flotation. Such docks provide stable, reliable service at a fraction of the cost of floating concrete or other dock types.

Floating dock anchorage will be specifically designed to withstand the anticipated environmental loads at the subject site as well as anticipated vessel loads that may be applied to the dock and anchorage system. Pile cutoff elevations (top of the piles) will be set to accommodate storm surge, anticipated wave climate, <u>sea level rise</u>, and a factor of safety to help ensure long term dock system sustainability.

Will the proposed boating infrastructure accommodate boater access to significant destinations and services that support transient boater travel?

The Isle of Palms Marina is the northernmost marina facility on the AIWW in Charleston County. This affords visiting boaters the opportunity to easily access a highly desirable tourism destination that consistently ranks among the most popular in the country.

Specifically, the Isle of Palms is a popular waterfront destination that has beautiful beaches, resorts, restaurants, shopping, and entertainment venues. Additional attractions are just a short bike or Uber ride away. Significant destinations include:

- Atlantic Ocean Beaches -Beautiful, publicly accessible white sand beaches on the Isle of Palms
 - o 0.5 miles from site
- Wild Dunes Resort A full-service beachfront resort/residential community replete with two Tom Fazio golf courses, a variety of accommodations, dining options, etc.
 - o 0.7 miles from site



- **Front Beach, Isle of Palms** The popular shopping and entertainment district on the island
 - o 2.7 miles from site
- Sullivan's Island Entertainment District Popular restaurants and nightlife
 - o 5.79 miles from site
- Fort Moultrie and Sullivan's Island National Historic District Historic Fort and Surrounding Buildings; NRHP
 - o 6.9 miles from site
- Historic Charleston, South Carolina Top-ranked tourist destination City in North America
 - o 13.41 miles from site via car
 - o 10.5 miles via boat
- Cape Romain National Wildlife Refuge -- 66,000+ acre National Wildlife Refuge that includes 29,000-acre Class I National Wilderness area. Outstanding birdwatching, shelling, hiking, photography, hunting, fishing, historical, and educational opportunities.
 - o 10.5 miles via boat or tour vessel
 - o Tour vessels depart from the subject marina
- **Inshore fishing** The greater Charleston area and the marshes adjacent to the subject marina provide world-class inshore fishing opportunities, including spectacular fly fishing opportunities for red drum (redfish).
 - o Numerous inshore charter guides are based at the subject marina

In addition to these local attractions, the subject marina provides an array of amenities and services that support transient boater travel, including:

- Highly-rated, on-site seafood restaurant, Morgan Creek Grill
- Provisioning availability at large, well-stocked, on-site marina general store

The installation of the new marine fuel system will ensure continued attractiveness of the marina to a wide array of AIWW transient boaters.



Meet Match Requirements and Demonstrate Partnerships

Will the proposed project include private, local, or State funds greater than the minimum match?

Yes, the proposed project will include local funds that equate to 51% of the BIG-eligible project cost.

Will the proposed project include contributions by private or public partners that contribute to the project objectives?

Yes. The project will include contributions by three key partners that are vital to the project objectives.

- 1. The **City of Isle of Palms** is committed to enhancing and maintaining the subject facility and will contribute the primary financial (cash) match for the project.
- 2. **Marina Joint Ventures** is the long-time marina operator of the Isle of Palms Marina. Marina Joint Ventures will provide a secondary financial (cash) match for the project.
- 3. **Charleston Area Convention and Visitors Bureau** will provide multi-platform marketing and promotional efforts for the proposed marina facility/BIG improvements (in kind).

Demonstrate Innovation and Environmental Stewardship

Will the proposed project include physical components, technology, or techniques that improve eligible boater access?

As discussed, the existing marina was originally a mom and pop-style facility that evolved organically over time and was purchased by the City in 1999. Since that time some maintenance and upgrades have been performed, but it was not until late 2015 that the City initiated a comprehensive marina redevelopment planning effort that was aimed at providing a holistic redevelopment and operations plan for the facility. This plan was aimed at creating a safe, user-friendly, environmentally responsible and economically sustainable plan for the marina facility.

As part of the overall site redevelopment, this proposed project will include:

- New, larger fuel dock that is purpose-designed for its intended use and will provide a safe, stable platform for marine fueling operations
- Relocation of the fuel dock closer to the AIWW



- New, state-of-the-art fueling system to provide high speed fueling to visiting vessels
 - Full and complete upland and on-dock sump system to help mitigate the potential for fuel spills (Limited sumps exist with current system. No sumps were observed beneath the on-dock dispensers during the engineering condition assessment for the site.)
 - o UV protection for all sub-dock piping, hoses, etc.
 - o New, high speed fuel dispensers
 - o Double wall containment piping
 - Improved fuel monitoring system

These improvements will serve provide boaters faster, more-reliable and safer marine fueling capabilities.

Will the proposed project include innovative physical components, technology, or techniques that improve the BIG-funded project?

The existing dockage at the subject marina consists primarily of 30-year old floating timber docks that do not have dedicated utility chaseways, properly designed pile guides, and other appurtenances to ensure safe reliable performance of the dock system. Limited fire protection is currently afforded.

The proposed redevelopment will include a new, purpose-designed timber frame floating dock with dedicated utility chaseways to accommodate all anticipated marine fueling (and other) services Further, the anchor piles will be specifically engineered to withstand site-specific environmental conditions, including the potential for storm events and projected sea level rise. The design criteria (if any) for the current marina docks and anchorage are largely unknown.

Other key project components that improve the BIG-funded project include:

- Purpose-designed flexible hose connections will be employed at strategic locations within the fuel piping system to provide the facility more resilience to movement/damage on this floating dock installation. Proper support of the piping beneath the gangway and inside the floating dock system will be provided as well.
- UV resistant piping and hoses will be used to extend the useful life of the fuel system in the marine environment.
- A larger, wider fuel dock is included that will facilitate placement of fuel dispensers on the docks and provide improved space for safer and more efficient fueling operations for both marina patrons and staff.



- Increased flow rates in the fuel system and more reliable monitoring systems will allow for more efficient operations.
- Stainless steel NEMA-rated enclosures for the dispensers and stainless-steel hose reel components, etc. will decrease maintenance requirements.

Overall, the new state-of-the-art infrastructure will reduce the possibility of failure/spills which could be detrimental to the environment.

Has the facility where the project is located demonstrated a commitment to environmental compliance, sustainability, and stewardship and has an agency or organization officially recognized the facility for its commitment?

The City of Isle of Palms is committed to improving the conditions at the marina to ensure long-term sustainability, but **the facility** *is not currently recognized* by an agency or organization for environmental compliance, sustainability, or stewardship.



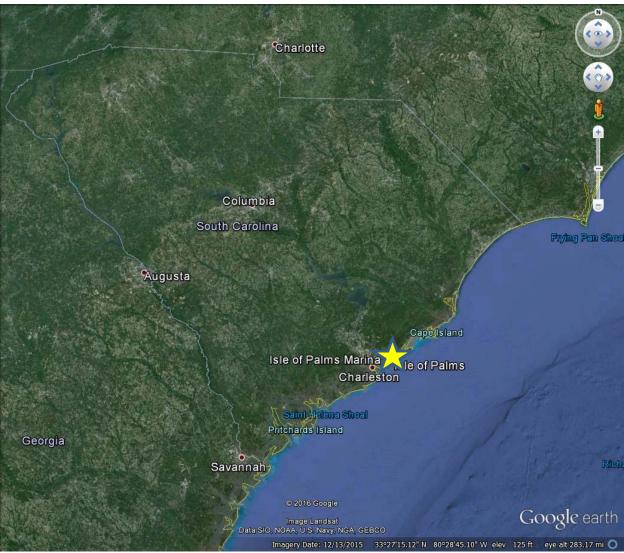
Geographic Location/Drawings/Maps/Photographs

Project Location

The proposed project is in the City of Isle of Palms, South Carolina, specifically at the following coordinates:

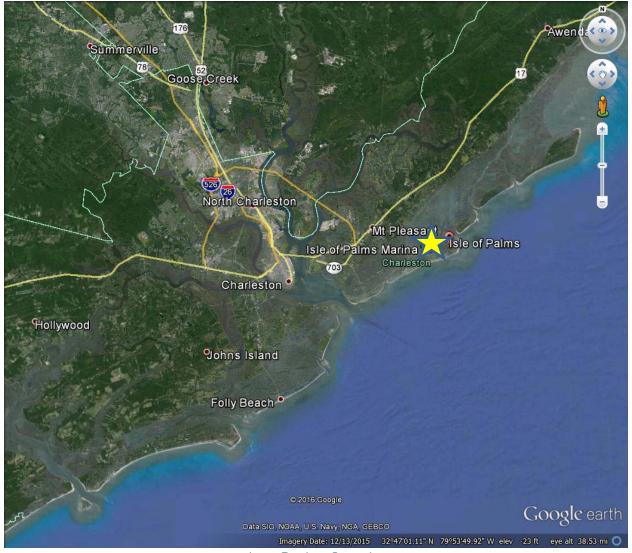
32° 48' 22" N 79° 45' 36" W

The site location is depicted in the following images.



General Project Location
(Image sourced from Google earth)





Area Project Location (Image Sourced from Google earth)



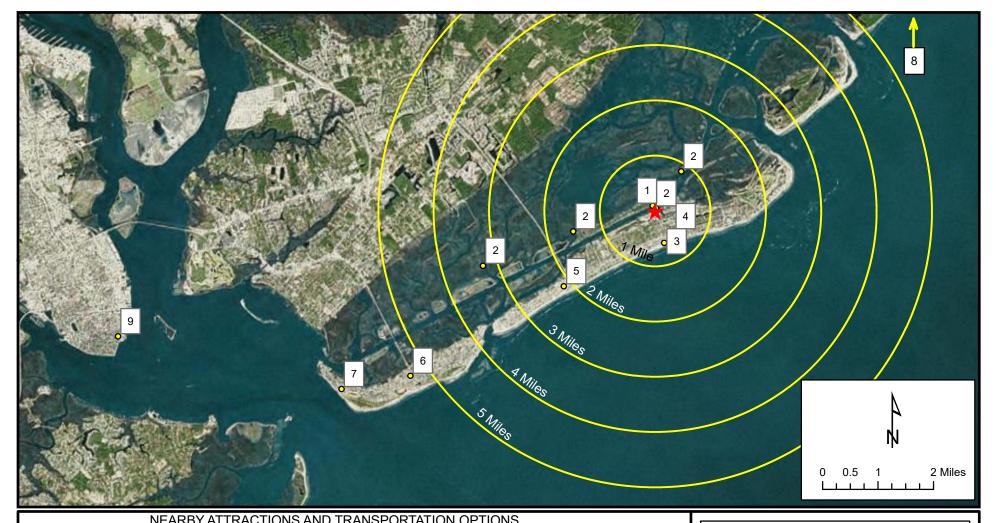


Local Project Location
(Image Sourced from Google earth)



Proximity Map to Local Attractions





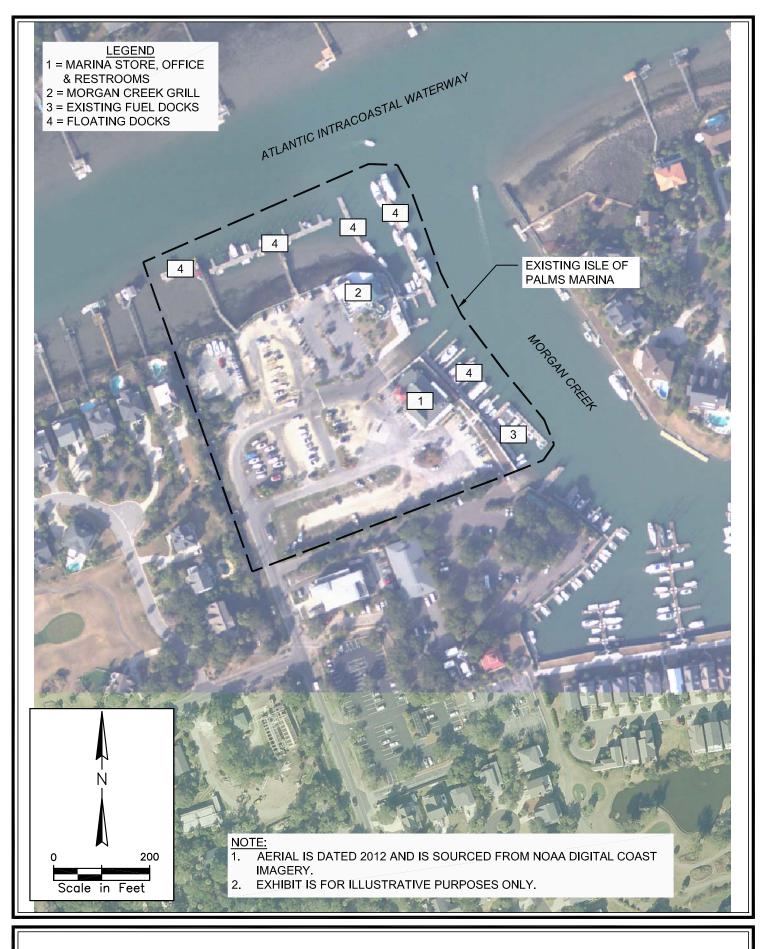
Isle of Palms Marina - Isle of Palms, SC							
Destination Ap	prox. Distance from Site	Transportation Options					
Subject Site (Star)							
Atlantic Intracoastal Waterway	Immediately Adjacent	Boat					
2. Inshore Fishing	0.5 Miles	Boat					
3. Atlantic Ocean Beaches	0.5 Miles	Walk, Bike or Car					
4. Wild Dunes Resort	0.7 Miles	Walk, Bike or Car					
5. Fornt Beach, Isle of Palms	2.7 Miles	Walk, Bike or Car					
Sullivan's Island Entertainment District	5.8 Miles	Bike or Car					
7. Fort Moultrie and Sullivan's Island National Historic Dis	trict 6.9 Miles	Bike or Car					
Cape Romain National Wildlife Refuge	10.5 Miles	Boat or Tour					
9. Historic Charleston, South Carolina	13.4 Miles	Car or Boat					

Attraction Location Map

BIG Application Isle of Palms Marina

Existing Conditions





Existing Conditions

BIG Application Isle of Palms Marina

Proposed Improvements





Site/Area Photographs

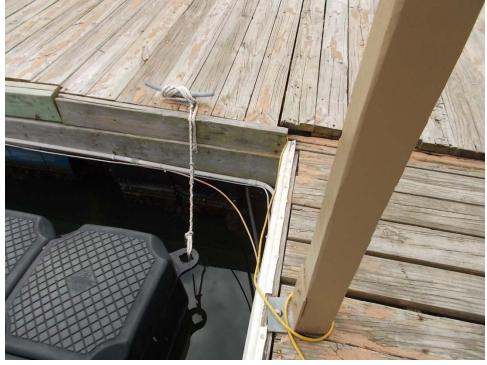


Failing Dock Connection Hardware



Uneven Deck/Framing Failure at Existing Fuel Dock





Framing Deterioration, Lack of Sub-Deck Conduit Space, Limited Fuel Hut Anchorage to Dock



Existing, Fuel Dock





Existing Fuel Dock



Existing Fuel Dock





Improperly Sealed Junction Box in Marine Hose Reel = Explosion Danger



Improperly Supported Fuel Piping





Different Types of Piping and Different Sizes Connected (Lack of In-Dock Conduit Space)



Corroded Fuel Dispenser - Beyond Repair





Corroded Fuel Dispenser - Beyond Repair



Corroded Fuel Dispenser Base - Beyond Repair





Aerial Image of Isle of Palms Marina



Overlooking Marina and AIWW





Activity at Morgan Creek Grill (On-site restaurant)



On-Site Marina Market/Store





Marina Market Goods



Short Order Grill in Marina Store





Wild Dunes Resort Oceanfront Golf



Front Beach Retail and Restaurant District - Isle of Palms





Fort Moultrie – Sullivan's Island, SC (NRHP)



Aerial Image of Cape Romain National Wildlife Refuge (NWR)

