

**COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION**

Beach Renourishment and Pass Maintenance

Collier County Sea Turtle Protection Program/Environmental Compliance

1. Name and Address of Project Sponsor Organization:

**Collier County Parks and Recreation Department
North Collier Regional Park
15000 Livingston Road
Naples, FL 34109**

2. Contact Person, Title and Phone Number:

**Name: Barry Williams, Director
Address: 15000 Livingston Road
City: Naples, FL, 34109
Phone: 239-252-4035 FAX: 239-514-8657
Other: 239-280-7035**

3. Organization's Chief Official and Title:

**Barry Williams, Director
Collier County Parks and Recreation Department**

4. Details of Project- Description and Location:

The following activities require coastal construction permits from the State of Florida and thus a sea turtle monitoring program.

1. Beach nourishment;
2. Construction, excavation or maintenance of coastal inlet and related shoals;
3. Beach cleaning and grooming activities landward of the mean high-water line.
4. Beach cleaning following a red tide or storm event.

The following excerpts from current regulations (Chapter 16B-41 Rules and Procedures for Application for Coastal Construction Permits, Florida Administrative Code), provides for the scope of the permitting process and protection of marine turtles as it relates to the aforementioned activities.

16B-41.001 Scope

This chapter provides the requirements and procedures for the issuance, denial, transfer, renewal, modification, suspension and revocation of coastal construction permits. In this Chapter Coastal Construction is defined as "any work or activity on or encroaching upon

sovereignty lands of Florida, below the mean high-water line of any tidal water of the state, which is likely to have a material physical effect on existing coastal conditions or natural shore and inlet processes."

16B-41.0055 Protection of Marine Turtles (Florida Administrative Code)

(1) In keeping with the Departments Authority to protect marine turtles pursuant to Section 370.12, Florida Statutes, any application for a permit under this Chapter for coastal construction that affects marine turtles shall be subject to the conditions and requirements for marine turtle protection as part of the permitting process.

(2) The Department shall require appropriate measures to protect marine turtles and their habitat, such as: nest surveys, nest relocation, nest marking, modification of coastal construction, mcasurcs to reduce sand compaction, and short and long term monitoring to assess the impacts of the permitted coastal construction on marine turtles and their habitat.

The Parks and Recreation Department, marine turtle permit holders for Collier County, monitor the following beaches for sea turtle activities as State and federal permit requirements for beach renourishment, beach raking, allowance for the use of vehicles on the beach for surveys, beach cleanup following a red tide or storm event and special events .

Barefoot Beach: construction, excavation or maintenance of Wiggins Pass (only that area included within the area of influence of Wiggins Pass; 1 mile north of Pass south to Wiggins Pass); pass material disposal location (renourishment); beach cleaning following a storm event and red tide

Vanderbilt Beach: beach nourishment; construction, excavation or maintenance of a coastal inlet and related shoals (Wiggins Pass and Clam Pass); beach cleaning and grooming activities landward of the mean high-water line.

Park Shore: beach nourishment; construction, excavation or maintenance of a coastal inlet and related shoals (Clam Pass and Doctors Pass). Upland sand temperature studies as required by the State.

City of Naples: beach nourishment; construction, excavation or maintenance of a coastal inlet and related shoals (Doctors Pass and Gordon Pass)

City of Marco Island: construction, excavation or maintenance of a coastal inlet and related shoals (Big Marco Pass and Caxambas Pass); Beach nourishment; Hideaway Beach T-Groin; beach cleaning and grooming activities landward of the mean high-water line.

The duties and associated costs of the program are as follows:

1. Administrative/permitting
2. Reconnaissance and beach zoning including installation and maintenance of DNR location reference monuments for CZM and Sheriff department 500 feet increments along 26 miles of beach
3. Daily monitoring (7 days/wk./beach -April 01-May 01 depending on renourishment schedules through Oct.31)
4. Evaluation, mapping and data entry

5. Responding to sea turtle disorientations (associated with renourishment and beach profile, as required by the State)
8. Reports (Sea Turtle Protection Plan- Annual Report; special reports per each beach nourishment and T-groin units, Index Nesting Beach Reports (Vanderbilt); State Productivity Reports, Beach Compaction Reports)
9. Mobilization/demobilization-
10. Vehicle maintenance- ATV's , penetrometers, data loggers
11. Supplies- acquisition, maintenance, inventory
12. Sand studies including beach compaction, sand temperature and ground/surface water studies and associated reporting requirements
13. Dune vegetation monitoring and exotic removal
14. Nest relocation in construction areas
15. Monitoring and reporting of escarpments
16. Additional studies required as required State/Federal permits (Florida Statute Chapter.161-053 F.A.C. Chapter 62b-33)
17. Stranding reports and removal of injured, sick and dead sea turtles from all County beaches (average 50-100/yr).
18. Public awareness- news media and public speaking upon request.
19. State mandated beach lighting compliance inspections and follow-up
21. Assist with maintaining rope and posting along the dunes
22. Other duties as requested by CZM Department
23. Provide technical assistance and respond to data requests from coastal engineering consultants upon request.

The purpose of this application is to obtain funds to perform the requirements of a sea turtle protection program in the specified locations.

5. Estimated project start date: October 1, 2014

6. Estimated project duration: One (1) year _____

7. Total TDC Tax Funds Requested: \$ 160,000 _____

8. If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?

Yes () No (X)

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

Collier County Sea Turtle Protection Program/Environmental Compliance

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ 160,000
City/Taxing District Share	\$
State of Florida Share	\$
Federal Share	\$

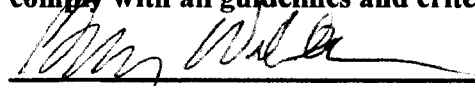
TOTAL \$ 160,000

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

Personnel and Operating \$ 160,000

TOTAL \$ 160,000

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.



Signature of Sponsor Organization's Chief Official

03/04/14

Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Beach Tilling

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: Beach tilling is required by FDEP permit and is performed directly prior to turtle nesting Season. Tilling is paid on an acre basis for re-nourished beaches. Approval is recommended**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$40,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

Beach Tilling

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>40,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>40,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Contractual Services</u>	\$ <u>40,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>40,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

Albany McAlpin
Signature of Sponsor Organization's Chief Official

4/4/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL

CATEGORY "A" GRANT APPLICATION

Beach Renourishment and Pass Maintenance

Physical Beach Monitoring

(Vanderbilt, Clam Pass Beach, Park Shore, Naples & Marco South)

1. Name and Address of Project Sponsor Organization:

Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. Contact Person, Title and Phone Number:

Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. Organization's Chief Official and Title:

Tom Henning, Chairman
Board of County Commissioners

4. Details of Project- Description and Location: This Physical Beach Monitoring is required by FDEP permit and future renourishment. Beaches monitored will be Vanderbilt, Clam Pass Beach, Park Shore, Naples, Marco South and the southern portion of Barefoot Beach. Approval is recommended.

5. Estimated project start date: October 1, 2014

6. Estimated project duration: 12 Months

7. Total TDC Tax Funds Requested: \$200,000.00

8. If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Physical Beach Monitoring
(Vanderbilt, Clam Pass Beach, Park shore, Naples & Marco South)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>200,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>200,000.00</u>
PROJECT EXPENSES: (Engineering, Mobilization, Contractor, Monitoring etc)	
<u>Engineering Fees</u>	\$ <u>200,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>200,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Bryan McAlpin
Signature of Sponsor Organization's Chief Official

4/4/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL

CATEGORY "A" GRANT APPLICATION

Beach Renourishment and Pass Maintenance

Physical Pass Monitoring
(Wiggins, Clam, Doctors)

1. **Name and Address of Project Sponsor Organization:**

Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**

Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**

Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: This Physical Pass Monitoring is required by permit for Wiggins Pass (\$25,000), Doctors Pass (\$25,000) and Clam Pass (\$26,000) and is used to determine inlet shoaling and dredging schedules. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$76,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Physical Pass Monitoring
(Wiggins, Clam, Doctors)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>76,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>76,000.00</u>
PROJECT EXPENSES:	
(Engineering, Mobilization, Contractor, Monitoring etc)	
<u>Engineering Fees</u>	\$ <u>76,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>76,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Mary McQueen
Signature of Sponsor Organization's Chief Official

4/16/2014
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Biological Monitoring
(Vanderbilt, Clam Pass Beach, Park Shore, Naples & Marco South)

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: Biological Monitoring is required to determine the health of the near shore hardbottom as a result of the recent renourishment. Approval is recommended**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$150,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Biological Monitoring
(Vanderbilt, Clam Pass Beach, Park Shore, Naples & Marco South)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>150,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>150,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Engineering Fees</u>	\$ <u>150,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>150,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Barry McAlpin
Signature of Sponsor Organization's Chief Official

4/28/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Shorebird Monitoring
(Vanderbilt, Park Shore, Naples & Marco South)

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: Shorebird Monitoring is required for Vanderbilt, Park Shore, Naples and Marco South Beaches by FDEP permit. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$10,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**
Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Shorebird Monitoring
(Vanderbilt, Park Shore, Naples & Marco South)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>10,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>10,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Contractual Services</u>	\$ <u>10,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>10,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Mary McAlpin
Signature of Sponsor Organization's Chief Official

4/4/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
15-Year Multi-Use Beach Renourishment Permit

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: The existing 10-year FDEP beach renourishment permit expires on January 12, 2015. A new 15-year multi-use permit is being applied for to permit future renourishment. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$110,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

15 Year Multi-Use Beach Renourishment Permit

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>110,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>110,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Engineering Fees</u>	\$ <u>110,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>110,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Gary McAlpin
Signature of Sponsor Organization's Chief Official

4/4/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL

CATEGORY "A" GRANT APPLICATION

Beach Renourishment and Pass Maintenance

Engineering/NTP – Naples Beach Renourishment
(TS Debbie Plus)

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: This item provides funding to engineer and obtain the Notice to Proceed from FDEP to complete the Naples beach renourishment as identified by Tropical Storm Debbie with minor additional hot spot beach repairs. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$75,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**
Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Engineering/NTP – Naples Beach Renourishment
(TS Debbie Plus)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>75,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>75,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Engineering Fees</u>	\$ <u>75,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>75,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Gary McAlpin
Signature of Sponsor Organization's Chief Official

4/4/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL

CATEGORY "A" GRANT APPLICATION

Beach Renourishment and Pass Maintenance

Construction – Naples Beach Renourishment
(TS Debbie Plus)

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: The Naples Beach was damaged as a result of Tropical Storm Debbie and PW-0679 was authorized to perform approximately 52,000cy of repairs from Doctors Pass to R-79. Additionally, several hot spots have developed since the last renourishment that will need to be addressed in Park Shore. This grant will fund these activities in November 2014. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$2,425,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**
Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Construction – Naples Beach Renourishment
(TS Debbie Plus)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>2,425,000</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>2,425,000</u>

**PROJECT EXPENSES:
(Mobilization, Contractor, Monitoring etc)**

<u>Construction Services</u>	\$ <u>2,425,000</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>2,425,000</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Gary McElroy
Signature of Sponsor Organization's Chief Official

4/14/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Engineer/Permit – Doctors Pass South Jetty Rebuild
& New Erosion Control Structure

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: Doctors Pass South Jetty has deteriorated and requires rebuilding to its original design standards. This is south of Doctors Pass and is presently the most critical hot spot in Collier County. Performance modeling is required to determine the effectiveness and type of erosion control structure at this location. The grant funds will be used for modeling, design, engineering, permitting, plans, specification and bidding to rebuild the south jetty and construct the new erosion control structure. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

Collier County Tourist Development Council
Category "A" Grant Application Page 2

Engineer/Permit – Doctors Pass South Jetty Rebuild
& New Erosion Control Structure

7. Total TDC Tax Funds Requested: \$150,000.00
8. If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?
Yes (X) No ()

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>150,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>150,000.00</u>

PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)

<u>Modeling, Engineering, Design, Plans,</u>	\$ <u>150,000.00</u>
<u>Specifications and Permitting</u>	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>150,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Gary McElroy
Signature of Sponsor Organization's Chief Official

4/24/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Engineer/NTP Marco South Renourishment
(TS Debbie)

1. **Name and Address of Project Sponsor Organization:**

Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**

Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**

Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: This item funds the engineering to obtain a Notice to Proceed which is required to perform the repairs as authorized by Tropical Storm Debbie PW-1079 FEMA. Scope will renourish approximately 15,000cy of the South Marco Island Beach. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$75,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

**Engineer/NTP Marco South Renourishment
(TS Debbie)**

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>75,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>75,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Engineering Fees</u>	\$ <u>75,000.00</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>75,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

Anthony McAlpin
Signature of Sponsor Organization's Chief Official

4/24/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Engineering/Permit – Sand Mining North Marco Beach

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location: This item will fund the modeling, design, engineering permitting plans, specifications, construction inspection and bidding effort required by a consultant to develop a sand mining project on the north end of Marco Island Beach to re-slope the beach. Approval is recommended.**

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$185,000.00**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

Engineering/Permit – Sand Mining North Marco Beach

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>185,000.00</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>185,000.00</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Modeling, Design, Permitting,</u>	\$ <u>185,000.00</u>
<u>Engineering, Plans, Specification</u>	\$ _____
<u>Bid Document, Construction Inspection</u>	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>185,000.00</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Gary McAlpin
Signature of Sponsor Organization's Chief Official

4/28/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL
CATEGORY "A" GRANT APPLICATION
Beach Renourishment and Pass Maintenance
Beach Cleaning/Maintenance – Collier County/Marco Island

1. **Name and Address of Project Sponsor Organization:**
Coastal Zone Management
Collier County Government
2800 N. Horseshoe Drive
Naples, Florida 34104

2. **Contact Person, Title and Phone Number:**
Name: Gail Hambright, Accountant
Address: Collier County Government
2800 N. Horseshoe Drive
City Naples ST FL ZIP 34104
Phone: 252-2966 FAX: 252-2950

3. **Organization's Chief Official and Title:**
Tom Henning, Chairman
Board of County Commissioners

4. **Details of Project- Description and Location:**
This item is required to maintain the beaches and is recommended for approval.

5. **Estimated project start date: October 1, 2014**

6. **Estimated project duration: 12 Months**

7. **Total TDC Tax Funds Requested: \$250,600**

8. **If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?**

Yes (X) No ()

**Collier County Tourist Development Council
Category "A" Grant Application Page 2**

Beach Cleaning/Maintenance – Collier County/Marco Island

PROJECT BUDGET

<u>PROGRAM ELEMENT</u>	<u>AMOUNT</u>
TDC Funds Requested	\$ <u>250,600</u>
City/Taxing District Share	\$ _____
State of Florida Share	\$ _____
Federal Share	\$ _____
TOTAL	\$ <u>250,600</u>

**PROJECT EXPENSES:
(Engineering, Mobilization, Contractor, Monitoring etc)**

<u>Operating Expenses</u>	\$ <u>124,500</u>
<u>Capital</u>	\$ <u>126,100</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
TOTAL	\$ <u>250,600</u>

I have read the Tourist Development Category "A" Beach Funding Policy covering beach renourishment and pass maintenance and agree that my organization will comply with all guidelines and criteria.

J. Gary McAlpin
Signature of Sponsor Organization's Chief Official

4/4/14
Date

COLLIER COUNTY TOURIST DEVELOPMENT COUNCIL

CATEGORY "A" GRANT APPLICATION

2015 Beach Renourishment and Pass Maintenance

Naples Pier Deck Replacement and Structural Renovation

(Project Title)

1. Name and Address of Project Sponsor Organization:

**City Of Naples
735 Eighth Street South
Naples, Florida 34102**

2. Contact Person, Title and Phone Number:

Name: **David Lykins, CSD Director**
Address: **280 Riverside Circle**
City: **Naples** State: **FL** ZIP: **34102**
Phone: **239/213-7110** FAX: **239/213-7130** Other: **dlykins@naplesgov.com**

3. Organization's Chief Elected Official and Title:

**Hon. John F. Sorey III
City Mayor**

4. Details of Project - Description and Location:

Description: The activity description for this project includes labor and material for the upkeep and safety of the Naples Pier. A complete structural analysis of the Pier has just been completed with an inventory of renovation actions required for safety and repair. Please refer to attached Exhibits A, B, and C completed by A.D. Morgan for this detailed information and calculated costs. This includes costs for substantial re-decking of the entire Pier and new boardwalk lighting. The Pier is a public access beach facility as a tourist attractor and destination. The Pier provides shoreline erosion control and beach preservation effect. Additionally, the public safety through the continued maintenance of the Pier is of paramount importance, and includes responsibility and public safety of Pier structure, deck, restrooms and storage facilities as well as water and electrical systems related to the Pier's use as a fishing, tourist and beach preservation structure. The Naples City Pier captures out-of-county and local visitor well as tourist populations from through-out the region and world. The most recent data captured by the Naples' Community Services Department shows Pier visitation in 2013 as 1,070,545 persons, and this number has increased annually at about a 3.5% rate.

Location: The project location is at the 12 Avenue – South terminus beach end. Please refer to Project Location Map found in the ADDITIONAL INFORMATION section below.

5. Estimated project start date: **October 1, 2014**
6. Estimated project duration: **12 Months**
7. Total TDC Tax Funds Requested: **\$892,449**
8. If the full amount requested cannot be awarded, can the program/project be restructured to accommodate a smaller award?
Yes () No (X)

ADDITIONAL INFORMATION

ELIGIBILITY: Beach Maintenance activities will take place on beach area that are least 80% classified as eligible under the TDC guidelines. The project boundary location is from southernmost State-permitted beach cleaning area within the City's jurisdictional boundary to Clam Pass in Collier County.

ORGANIZATIONAL CAPACITY: The City of Naples will be the primary recipient and lead agency for controlling and completing all aspects and activities proposed in this grant application. The City will remain the lead agency for the duration of funding and will be the sole point of contact for all matters related to this proposal. The City has the managerial and financial capability to ensure proper planning, management, and completion of the project described in this application.

BUDGET ASSURANCES: Dual Compensation: If a City project staff member or consultant is involved simultaneously in two or more projects, the staff will not be compensated for more than 100% of their time for any such dual involvement.

PROJECT LOCATION MAP:





City of Naples

OFFICE OF THE CITY MANAGER
TELEPHONE (239) 213-1030 • FACSIMILE (239) 213-1033
735 EIGHTH STREET SOUTH • NAPLES, FLORIDA 34102-6796

March 11, 2014

Mr. Leo E. Ochs, Jr.
Collier County Manager
3299 Tamiami Trail East, Suite 202
Naples, Florida 34112

Dear Mr. Ochs:

The City of Naples annually receives Tourist Development Council (TDC) funding under the Category "A" program which supports beach renourishment and pass maintenance. The funding provides resources for daily maintenance, trash removal and custodial services along the beachfront, including the Naples Pier and Lowdermilk Park.

A Resolution will be considered by City Council during their regularly scheduled meeting of March 19, 2014 in support of two grant applications during the FY 2015 TDC funding cycle.

The first is for an on-going Beach Maintenance project application. The FY 2015 funding request includes 1) maintenance equipment operator, custodians, and tradesworker salaries and benefits in an amount of \$181,000, 2) equipment, fuel & maintenance in the amount of \$7,000; and 3) beach cart in the amount of \$12,000. The total amount of funding requested in this application - \$200,000.

The second application is for a major renovation of the Pier, including replacement of the deck, stringers, railings, connection plates, stainless connectors, fasteners, water piping, valves, fixtures, electrical panels, breakers, conduit and walkway lighting. These replacements are required for public safety and ongoing preservation of the Pier structure.

The A.D. Morgan Company was engaged to evaluate the Pier structural components and provide recommendations including cost estimates for this project. The report is attached.

A.D. Morgan Company recommends that the complete wood substructure above the concrete pile cap beam surface be replaced. City staff is of the opinion that the visiting public is better served with the construction of a single project addressing the entire

Ethics above all else... Service to others before self... Quality in all that we do.

facility deficiencies rather than a partial or phased effort insufficient in scope and funding.

The City has received a grant from Category "A" for the current FY 2013-14 (\$200,000) for repairs to the Pier. However, recognizing the significant pier deficiencies, these funds have not been spent. In the 2015 grant application, we request that the \$200,000 allocated for FY 2013-14 be retained by the City, rolled-over, and combined with a new Category "A" FY 2015 application requesting an additional \$692,000. The total amount of the project as estimated by the A.D. Morgan Company is \$892,000.

Category "A" TDC application submittals, by Collier County policy, restricts funding to \$200,000 per project. Therefore, we respectfully ask Collier County staff and the Board of County Commissioners to assist in the identification and allocation of TDC funds that will allow completion of the Pier repair project.

The City of Naples has installed counters to record the number of visitors to the Pier. Visitation counts recorded daily the previous three years at the Naples Pier demonstrate the facility attracts the most attendance of any facility in the City of Naples, and presumably one of the highest visited locations in Collier County. The visitor counts for the past three years are as follows:

2011 – 932,799

2012 – 1,031,242

2013 – 1,070,545

The City of Naples requests the following considerations:

1. That the Coastal Advisory Committee, the Tourist Development Council and the Board of County Commissioners favorably support the City's grant application for the Naples Pier Deck Replacement and Structural Renovation for FY 2015 in the amount of \$692,000.
2. Grant a roll-forward continuation of TDC Category "A" FY 2014 funding in the amount of \$200,000 as supplemental to the FY 2015 grant request to fund a project with a total estimated cost of \$892,000.
3. Grant a waiver of the \$200,000 annual funding cap restriction for a singular request.

Thank you for your past support and for your consideration of this request for funding.

Sincerely,



A. William Moss
City Manager

cc: Gary McAlpin, Coastal Zone Manager



Pier Substructure

City of Naples / Naples Pier



Pier Substructure		Status		Comments
		No Issues	Issues	
Decking Underside				
1	Crack	X		Rare
2	Fiber split		X	About 25% of fiber split-through
3	Decay		X	85% of decay of the exposed decking surface
4	Algae, Fungi		X	Almost all underside, except new replacement boards
Stringers				
1	Crack, split, decay	X		Rare
2	Algae, Fungi	X		Mild growth in some locations
Hardware				
1	Totally consumed by corrosion		X	About 10% of the pier hardware
2	Severe corrosion		X	About 35% of the pier of the pier hardware
3	Mild corrosion		X	About 55% of the pier hardware
Other				
1	Concrete pier	X		Sound
2	Beach access stair		X	May require total rebuilding.
2	Pipe/conduit and strapping		X	Require repair/replacement

General Description:



Due to the high percentage of severe corrosion, and in some cases, total obliteration of connection hardware, structural integrity of critical components of the pier such as guardrail may be questionable. Equally critical is how well the substructural frame will be able to resist wind loading in future storms, with many of its connectors either consumed by or well within the advanced stage of corrosion.

The condition of the decking underside appears to be much better than the top. Replacement of split, shrunk, decaying and well-worn boards is not only functional but psychological and aesthetic to the users as well. The same can be said about rebuilding a new beach access stair which will convey to the users a sense of safety and pleasing aesthetic to match the beautiful setting of a beach.



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Aerial view of the Naples Pier.</p>
	<p>Description: View of the Naples Pier from the beach, looking South.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: View of the section of Naples Pier bridging over the beach, looking South.</p>
	<p>Description: View of the pier seaward side, looking Southwest.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Restrooms facility and the entrance to the pier are within the cluster of the coconut trees; looking Northeast.</p>
	<p>Description: View of the South elevation of the pier leading section from the entrance and over the beach; looking Northeast.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing the seaward side of a wooden pier extending into the ocean. The pier has a deck with a food concession facility in the foreground and a shelter at the seaward end. The structure is supported by numerous wooden pilings. The sky is clear and blue, and the water is a light blue color.	<p>Description: View of the seaward side elevation of the pier. Note the food concession facility in the foreground above the deck and the seaward end shelter beyond.</p>
 A close-up photograph of a rectangular precast concrete bent supporting a wooden deck and railing. The structure is situated on a sandy area with some vegetation in the background. The railing consists of wooden posts and horizontal rails.	<p>Description: View of the rectangular precast concrete bent and the deck and railing at Pier #2. Pier #1 is to the right immediately behind the Male Restroom rear wall.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: View of the decking underside in between Pier# 2 and Pier #3. The underside surface and the stringers appear to be in satisfactory condition. Note water piping and electrical conduits strapped to the stringers.</p>
	<p>Issue: Electrical conduits and small water pipes are strapped to the stringers with plastic straps or in some cases plastic hangers. Note the corroding washers and complete loss of hex-nuts, of both of the thru-bolt connectors, to corrosion, at the base of a rail post over Pier #3. The anchor bolt and clip angle appear to have completely corroded away as well.</p> <p>Resolution: Perform regular inspection and replace severely corroded washers and hex-nuts.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: The thru-bolt connectors at the base of this rail post on the outside appear to be sound and free from corrosion, with the exception of the single nail in the middle.</p>
	<p>Issue: View of the decking underside between the deck board span, looking back at Pier #3. Deck board underside and stringers appear satisfactory. There is an area of concrete spall along the edge of the pile cap beyond. Note water piping on right and electrical conduit on left.</p> <p>Resolution: Patch the spall spot with epoxy concrete to prevent further corrosion of the pile cap reinforcing bars.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> The rail post thru-bolt connectors and anchor bolt/ clip angle assembly on this side are undergoing severe corrosion as well.</p> <p><u>Resolution:</u> Perform regular inspection and replace severely corroded washers and hex-nuts. In some case the galvanized clip angle may need replacement as well.</p>
	<p><u>Issue:</u> View of an inside stringer anchor bolt/clip angle assembly which is normally buried under the beach sand causing accelerated corrosion of the metal hardware.</p> <p><u>Resolution:</u> Regular inspection and replacement of deteriorated hardware is required.</p>


Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> The rail post thru-bolt connectors and anchor bolt/ clip angle assembly on this side are undergoing severe corrosion as well. Note the top thru-bolt washer and hex-nut have been corroded away.</p> <p><u>Resolution:</u> Perform regular inspection and replace severely corroded washers and hex-nuts. In some case the galvanized clip angle may need replacement as well.</p>
	<p><u>Issue:</u> View of an inside stringer anchor bolt/clip angle assembly which is normally buried under the wet beach sand and debris causing accelerated corrosion of the metal hardware.</p> <p><u>Resolution:</u> Regular inspection and replacement of deteriorated hardware is required.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> See preceding issue.</p> <p><u>Resolution:</u> See preceding resolution.</p>
	<p><u>Description:</u> General view of the decking underside and the substructure, looking seaward at Pier #4. Note the water piping and electrical conduits. Also note random horizontal cross-bracing.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: General view of the decking underside and the substructure, looking seaward at Pier #5. Note the water piping and electrical conduits. Also note random horizontal cross-bracing. Note the accumulation of wet beach sand and debris falling from the foot traffic on either side of the stringer splice burying the anchor bolt/clip angle assembly causing accelerated corrosion of the metal hardware.</p>
	<p>Issue: See preceding issue. Note the broken pipe straps leaving the conduit/pipe unsupported.</p> <p>Resolution: Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><i>Issue:</i> See preceding issue.</p> <p><i>Resolution:</i> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>
	<p><i>Issue:</i> See preceding issue.</p> <p><i>Resolution:</i> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> See preceding issue.</p> <p><u>Resolution:</u> See preceding resolution.</p>
	<p><u>Issue:</u> See preceding issue.</p> <p><u>Resolution:</u> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><i>Issue:</i> See preceding issue.</p> <p><i>Resolution:</i> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>
	<p><i>Issue:</i> See preceding issue.</p> <p><i>Resolution:</i> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: The rail post base thru-bolts display sign of corrosion which starts from the opposite side. The anchor bolt/clip angle assembly appears satisfactory.</p>
	<p>Description: View on the exterior face of the splice assembly at Pier #5, where extra pairs of thru-bolt are used to stiffen up the outside stringer before the stair landing opening on the right.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><i>Issue:</i> View of the same assembly on the interior face, which reveals severe corrosion of almost all the thru-bolts.</p> <p><i>Resolution:</i> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>
	<p><i>Description:</i> View of an identical splice assembly at Pier #6, past the stair landing opening, where extra pairs of thru-bolt are used to stiffen up the outside stringer past the stair landing opening on the left.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> View of the same assembly on the inside face, which reveals severe corrosion of almost all the thru-bolts.</p> <p><u>Resolution:</u> Inspect and replace corroded metal hardware. Replace all broken plastic pipe straps and hangers to properly support the pipe/conduit.</p>
	<p><u>Description:</u> View of the stair and railing located along the North side deck rail, between Pier #5 and Pier #6, providing pedestrian access to the beach.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: View of the East rail post/deck stringer/stair stringer assembly at the stair opening, between Pier #5 and Pier #6.</p>
	<p>Issue: View of the rail posts/stair stringer/deck stringer thru-bolt connections on the inside face of the deck stringer.</p> <p>Resolution: Inspect and replace corroded metal hardware.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: View of the West rail post/deck stringer/stair stringer assembly at the stair opening, between Pier #5 and Pier #6. Note Pier #6 immediately to the right.</p>
	<p>Description: Typical view of the stair railing.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Typical view of the stair railing. Note the pedestrian lighting fixture mount.</p>
	<p>Issue: Almost all of the stair assembly thru-bolt connections display severe corrosion of the metal hardware.</p> <p>Resolution: Inspect and replace corroded metal hardware.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> Stair stringer/deck stringer vertical connection assembly display severe corrosion of the metal hardware.</p> <p><u>Resolution:</u> Inspect and replace corroded metal hardware. To ensure structural soundness and durability, and to provide users a sense of safety and aesthetic, the entire stair may have to be rebuilt with better corrosion and weather resistant materials in near term.</p>
	<p><u>Issue:</u> See preceding issue.</p> <p><u>Resolution:</u> See preceding resolution.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> See preceding issue.</p> <p><u>Resolution:</u> See preceding resolution.</p>
	<p><u>Issue:</u> See preceding issue. Note the surface mount pedestrian louvered lighting fixture.</p> <p><u>Resolution:</u> See preceding resolution.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><i>Issue:</i> See preceding issue.</p> <p><i>Resolution:</i> See preceding resolution.</p>
	<p><i>Issue:</i> See preceding issue.</p> <p><i>Resolution:</i> See preceding resolution.</p>


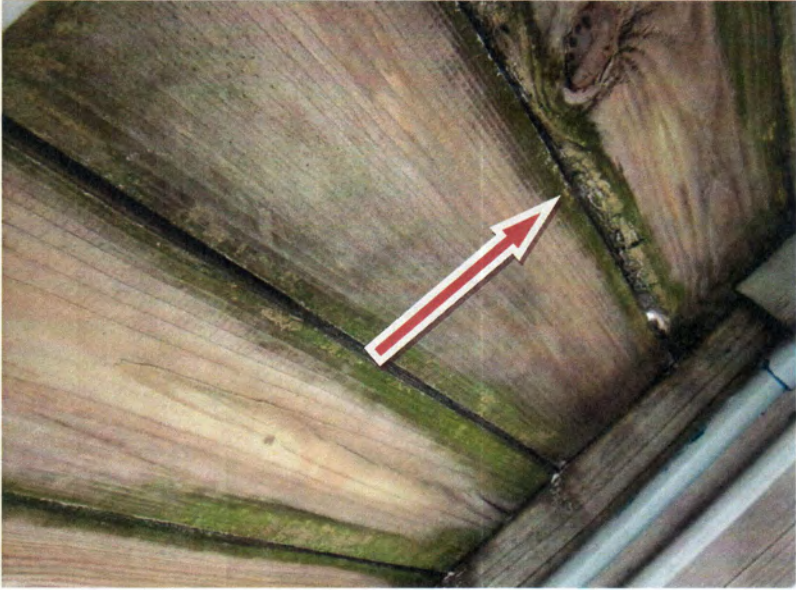
Pier Substructure

Photo	Descriptions/Comments
	<p>Issue: View of repeated pattern of severe corrosion of thru-bolt and anchor bolt assembly due to near-constant wetness condition on top of the pile cap and the lack of direct sunlight and airflow to help accelerate drying of all components under the decking.</p> <p>Resolution: Remove and replace substructure connection metal hardware with better corrosion resistant metal hardware, preferably stainless steel type, when the deck boards are due for removal and replacement.</p>
	<p>Issue: See preceding issue.</p> <p>Resolution: See preceding resolution.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over a wooden pier structure. The foreground consists of vertical wooden planks. A small metal plate with the number '18' is attached to one of the planks. In the background, there are horizontal wooden beams and a glimpse of the water.	<p>Description: View over Pier #18.</p>
 A close-up photograph of the underside of the pier decking. It shows the wooden framing and the gaps between the decking boards. A red arrow points to a specific area where a cross-brace is hanging loosely. There is visible algae growth in the gaps between the boards.	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #18. Note proliferation of algae between the gaps. Note multiple replacement boards. Also note some loose cross-bracing hanging beyond.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over Pier #17. The image displays wooden substructure framing and decking. A metal plate with the number '17' is visible on the decking. The wood appears weathered and aged.	<p><i>Description:</i> View over Pier #17.</p>
 A close-up photograph of the substructure framing and decking underside from Pier #17. A red arrow points to a gap between the wooden boards, where there is a significant proliferation of green algae. The wood on the right side of the gap shows signs of decay and discoloration.	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #17. Note proliferation of algae between the gaps. The board on the right is beginning to decay from the edge.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: View over Pier #16.</p>
	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #16. Note proliferation of algae between the gaps.</p>


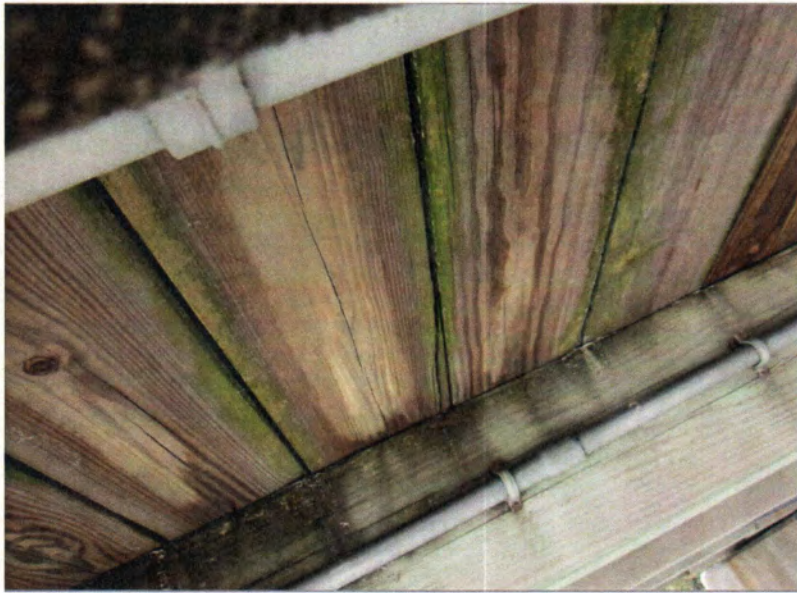
Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over Pier #15. The image displays a wooden substructure with horizontal framing beams and vertical decking. A small metal plate with the number '15' is attached to the decking. The wood appears weathered and aged.	<p>Description: View over Pier #15.</p>
 A close-up photograph of the substructure framing and decking underside from Pier #15. The image shows a diagonal wooden beam and several parallel decking boards. The wood is light-colored and shows signs of wear, including knots and discoloration. A metal fastener is visible on the diagonal beam.	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #15. Note multiple replacement boards.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over a wooden pier structure. The foreground consists of vertical wooden planks. A metal plate with the number '14' is attached to the structure. In the background, there is a body of water with some white foam or waves.	<p>Description: View over Pier #14.</p>
 A photograph showing a close-up view of the wooden substructure framing. The image shows several wooden beams and planks. A red arrow points to a specific board that has a split fiber and is covered with green algae. A replacement board is also visible.	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #7. Note a board with split fiber and covered with algae which accelerates wood decay. Note replacement board.</p>


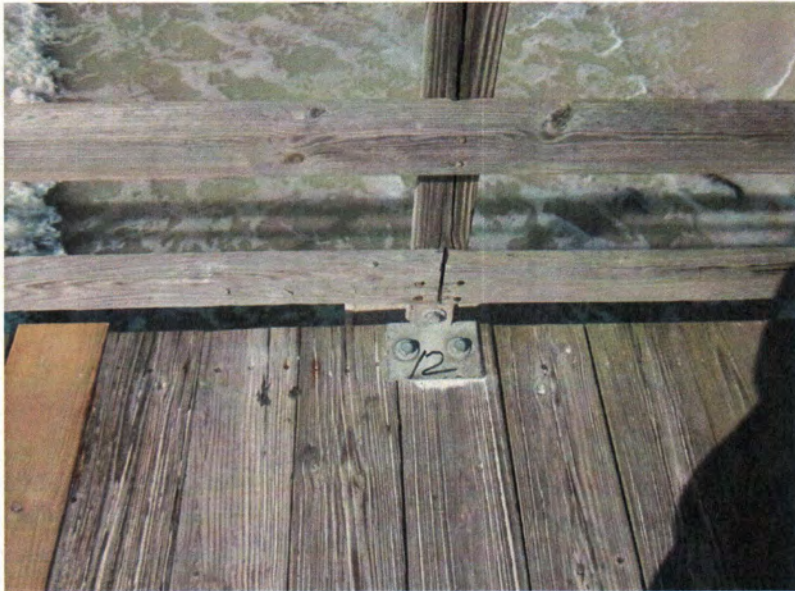
Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over a wooden pier structure. The foreground consists of weathered wooden planks. A metal marker with the number '13' is visible on the planks. In the background, there are more wooden beams and a body of water with some rocks.	<p>Description: View over Pier #13.</p>
 A close-up photograph of the underside of a wooden pier. It shows the substructure framing, including wooden beams and planks. There is significant green algae growth between the wooden boards.	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #7. Note algae growth between boards.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Typical view of the substructure framing and the condition of the decking underside at Pier #12. Note multiple replacement boards.</p>
	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #12. Note multiple replacement boards.</p>


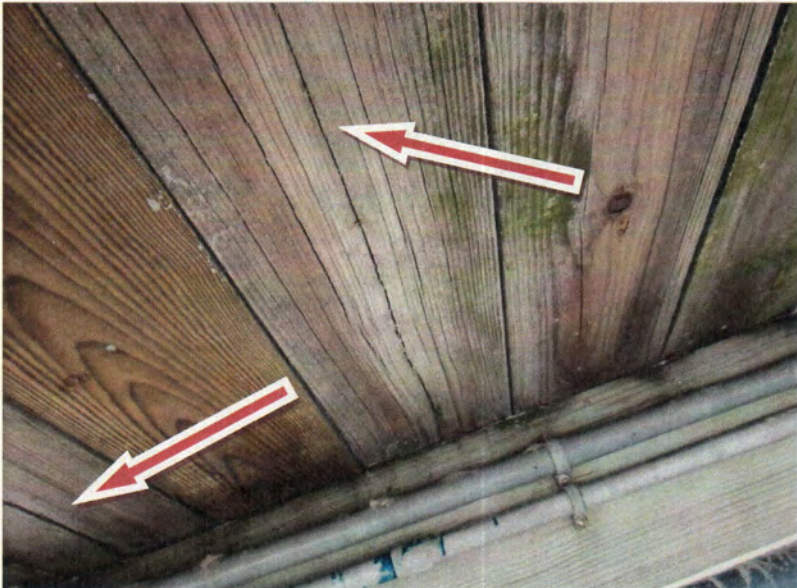
Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #11.</p>
	<p>Description: View over Pier #12.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p><i>Description:</i> View over Pier #11.</p>
	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #11.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over Pier #10. The image captures wooden substructure framing and decking. A metal fastener with the number '10' is visible on the decking. The wood shows signs of weathering and some staining.	<p>Description: View over Pier #10.</p>
 A close-up photograph of the substructure framing and decking. Two red arrows point to areas of wood with split fibers, indicating damage or decay. The wood is weathered and shows signs of mold or staining.	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #10. Note boards with split fiber.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a close-up view of the wooden substructure framing and decking of Pier #9. The image shows several horizontal wooden planks supported by vertical posts. A metal fastener with two circular holes is visible on the surface of the decking.	<p><i>Description:</i> View over Pier #9.</p>
 A photograph showing a typical view of the substructure framing and the condition of the decking underside from Pier #9. The image shows a close-up of the wooden framing, including a diagonal brace and a horizontal plank. The wood shows signs of weathering and greenish discoloration, likely due to algae or mold growth.	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #9.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over Pier #8. The image displays wooden substructure framing, including a horizontal beam and vertical posts, with a metal fastener or bracket visible in the center. The decking below is made of weathered wooden planks.	<p><i>Description:</i> View over Pier #8.</p>
 A close-up photograph of the substructure framing and the underside of the decking. The image shows the intricate wooden framework and the weathered, moss-covered surface of the decking planks.	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #8.</p>



Pier Substructure

Photo	Descriptions/Comments
 A photograph showing a view over Pier #7. The image captures the wooden substructure framing, including several horizontal and vertical beams, and the wooden decking below. The wood appears weathered and aged.	<p><i>Description:</i> View over Pier #7.</p>
 A close-up photograph of the wooden substructure framing and the underside of the decking from Pier #7. A red arrow with a white outline points to a specific board that exhibits split fiber, indicating a structural issue. The wood shows signs of weathering and moss growth.	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #7. Note a board with split fiber.</p>


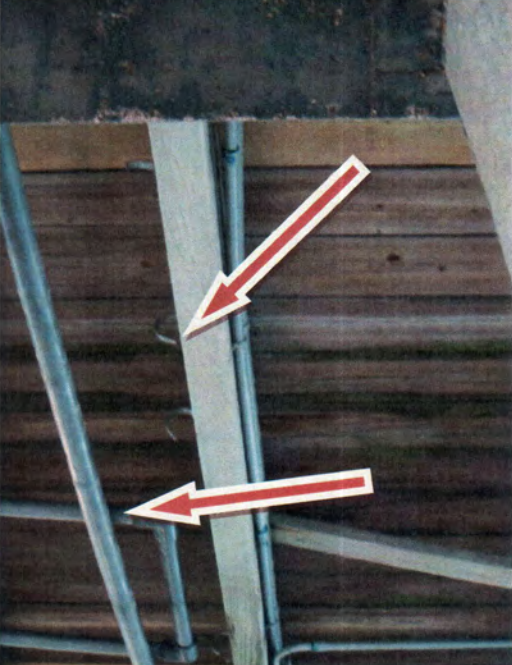
Pier Substructure

Photo	Descriptions/Comments
	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #13 left opening seaward.</p>
	<p><i>Description:</i> Typical view of the substructure framing and the condition of the decking underside from Pier #13 right opening seaward.</p>



Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #13 left opening backward.</p>
	<p>Description: Typical view of the substructure framing and the condition of the decking underside from Pier #13 right opening backward.</p>

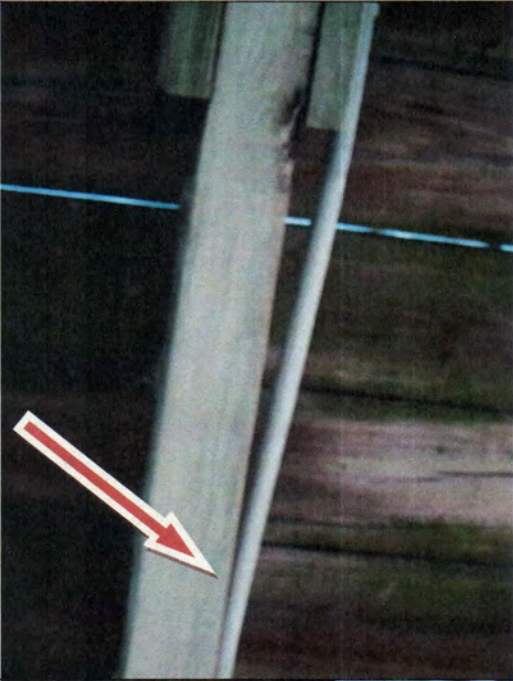

Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Typical view of the substructure framing and the condition of the decking between Pier #12 and Pier #13. The old deck boards display fiber splitting. The lack of direct sunlight and airflow in moisture rich deck underside proliferate algae growth.</p>
	<p>Issue: View of the condition of the decking underside between Pier #12 and Pier #13. Note the main power conduit dropped away from its strapping along the inside stringer above.</p> <p>Resolution: Provide new plastic pipe straps with better working strength and durability (i.e. more material thickness/cross-section, mass, etc).</p>

Pier Substructure

Photo	Descriptions/Comments
	<p>Description: Typical view of the substructure framing and the condition of the decking between Pier #12 and Pier #13. The old deck boards display fiber splitting. The lack of direct sunlight and airflow in moisture rich environment cause the proliferation of algae below deck.</p>
	<p>Issue: The stress caused by the movement of the main power supply conduit is beyond the working strength of these thin plastic pipe straps. Note the conduit has dropped away from its strapping alongside the stringer.</p> <p>Resolution: Provide new plastic pipe straps with better working strength and durability (i.e. more material thickness/cross-section, mass, etc).</p>

Pier Substructure

Photo	Descriptions/Comments
	<p><u>Issue:</u> Pier #12 – Pier #13. The stress caused by the movement of the main power supply conduit is beyond the working strength of these thin plastic pipe straps. Note the conduit has dropped away from its strapping alongside the stringer.</p> <p><u>Resolution:</u> Provide new plastic pipe straps with better working strength and durability (i.e. more material thickness/cross-section, mass, etc).</p>
	<p><u>Description:</u> Typical view of the substructure framing and the condition of the decking between Pier #12 and Pier #13. Note the multiple replacement boards besides the old boards.</p>