

**FY2023/2024 Local Government Funding Request**  
**Final Beach Project Assessment**

|               |                                        |
|---------------|----------------------------------------|
| Project Name  | Longboat Key Beach Nourishment Project |
| Local Sponsor | Town of Longboat Key                   |

|                    |            |
|--------------------|------------|
| Initial Assessment | 8/10/2022  |
| Group Assessment   | 9/7/2022   |
| Draft Assessment   | 9/15/2022  |
| Final Review       | 10/20/2022 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Project Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| The Longboat Key Beach Nourishment Project is between R-42 & R-67.5 in Manatee County and R-1 to R-29 in Sarasota County. The initial restoration occurred in 1993 with placement of sand dredged from Longboat Pass and New Pass. Since, the Town has conducted several maintenance projects, including substantial renourishments in 1997, 2005-06, and 2016. Most recently, the Town constructed a multi-segment beach nourishment project and a structural stabilization along the northern shoreline in 2021. Several engineered structures exist along the Longboat Key shoreline. These include a seawall located at North Shore Road, two concrete PAGs in the vicinity of North Shore Rd., a seawall at R-48.5 to R-49, a smaller seawall at R-49.8, an offshore geotextile sill at R-2 to R-4.5, two PAGs at the Islander Club Condominium, a concrete groin at R-18, and a terminal groin at New Pass. Several other smaller and older structures lie along the Gulfside Road area. This project consists of construction and monitoring. DEP staff has determined that 53.88% of the project is eligible for state cost share. |

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| Funds will be used for (list project phase, specify which phase is reimbursement, if applicable) |
| Construction and Monitoring                                                                      |

|                    |        |
|--------------------|--------|
| State cost share % | 26.94% |
|--------------------|--------|

| Project Budget Table       |         |            |                  |                    |                    |
|----------------------------|---------|------------|------------------|--------------------|--------------------|
|                            | State % | Federal    | State            | Local              | Total              |
| Feasibility                | 0.00%   | \$0        | \$0              | \$0                | \$0                |
| Design                     | 0.00%   | \$0        | \$0              | \$0                | \$0                |
| Construction               | 26.94%  | \$0        | \$417,570        | \$1,132,430        | \$1,550,000        |
| Year 1 Monitoring          | 26.94%  | \$0        | \$142,782        | \$387,218          | \$530,000          |
| Year 2+ Monitoring         | 26.94%  | \$0        | \$56,574         | \$153,426          | \$210,000          |
| <b>Total Project Costs</b> |         | <b>\$0</b> | <b>\$616,926</b> | <b>\$1,673,074</b> | <b>\$2,290,000</b> |

|                      |       |
|----------------------|-------|
| Federal cost share % | 0.00% |
|----------------------|-------|

|                                |     |
|--------------------------------|-----|
| Federal agency and description | N/A |
|--------------------------------|-----|

|                                         |           |
|-----------------------------------------|-----------|
| <b>TOTAL PROJECT SCORE (100 points)</b> | <b>47</b> |
|-----------------------------------------|-----------|

**Tier 1**

| Tourism-related impacts          |       |     |
|----------------------------------|-------|-----|
| Return on investment (10 points) | Score | 7.8 |

Local Sponsor: Project is requesting construction funds.

Department: \$560,352.00

Construction + Year 1 Monitoring Cost: \$560,352.00

Value:

|                             |       |     |
|-----------------------------|-------|-----|
| Economic impact (10 points) | Score | 7.6 |
|-----------------------------|-------|-----|

Local Sponsor: N/A

Department: Manatee County, 2020 data. Tourism-related sales tax data = \$54,973,896.56. County sales tax collections = \$481,891,558.51

Value: 0.114079

## Tier 2

### Federal involvement

|                                  |       |   |
|----------------------------------|-------|---|
| Federal authorization (5 points) | Score | 0 |
|----------------------------------|-------|---|

Local Sponsor: No

Department: Verified

|                               |       |   |
|-------------------------------|-------|---|
| Federal cost share (5 points) | Score | 0 |
|-------------------------------|-------|---|

Local Sponsor: No

Department: Verified

|                                    |       |   |
|------------------------------------|-------|---|
| Federal funds available (5 points) | Score | 0 |
|------------------------------------|-------|---|

Local Sponsor: No

Department: Verified

### Storm damage reduction benefits

|                               |       |   |
|-------------------------------|-------|---|
| Current conditions (8 points) | Score | 0 |
|-------------------------------|-------|---|

Local Sponsor: Physical monitoring survey will be done in July; data TBD

Department: The most recent beach restoration was completed in September 2021 with an October 2021 post-construction survey. An updated survey is not available to determine advance nourishment loss and the project is therefore not eligible for the award of points.

CEG calculated value: 0

|                                         |       |   |
|-----------------------------------------|-------|---|
| Threat to upland development (2 points) | Score | 0 |
|-----------------------------------------|-------|---|

Local Sponsor: N/A

Department: The most recent beach nourishment was completed in September 2021. The design berm remains intact and provides storm damage protection to the upland property from the impacts of a 25 year storm event. Therefore, the project is not eligible for the award of points.

CEG calculated value: 0

|                                     |       |     |
|-------------------------------------|-------|-----|
| Value of upland property (5 points) | Score | 4.3 |
|-------------------------------------|-------|-----|

Local Sponsor: N/A

Department: \$5,238,242,317.00

Total value: \$5,238,242,317.00

### Cost-effectiveness

|                                   |       |     |
|-----------------------------------|-------|-----|
| Cost/volume/mile/year (10 points) | Score | 6.7 |
|-----------------------------------|-------|-----|

Local Sponsor: 175,000 cy 3 years

Construction cost = \$1,550,000, volume = 175,000 cy, length = 53,000 ft, nourishment interval = 3 yrs

**Department:** Construction cost = \$417,570, Volume = 175,000 cy, Length = 0.6 mi, Nourishment Interval = 3 yrs

**Value:** 1.3256

|                                                                                          |       |   |
|------------------------------------------------------------------------------------------|-------|---|
| Enhanced longevity, dune addition, innovative technology, and regionalization (5 points) | Score | 3 |
|------------------------------------------------------------------------------------------|-------|---|

**Local Sponsor:** Previous rock still, groins, seawalls constructed, removed, and/or remodeled

**Department:** Proposed structural and design elements are only eligible for receiving points if actively under a construction phase.

### Tier 3

#### Previous state commitment

|                                    |       |   |
|------------------------------------|-------|---|
| Previously funded phases (1 point) | Score | 1 |
|------------------------------------|-------|---|

**Local Sponsor:** Yes

**Department:** FYs: 13/14; 16/17; 19/20; 20/21; 21/22

|                                             |       |   |
|---------------------------------------------|-------|---|
| Total amount of previous funding (3 points) | Score | 3 |
|---------------------------------------------|-------|---|

**Local Sponsor:** N/A

**Department:** 21,492,618.89

**Total funds:** 21,492,618.89

|                                          |       |   |
|------------------------------------------|-------|---|
| Previous partial appropriation (1 point) | Score | 0 |
|------------------------------------------|-------|---|

**Local Sponsor:** None

**Department:** Verified

#### Recreational benefits

|                                  |       |   |
|----------------------------------|-------|---|
| Accessible beach area (2 points) | Score | 2 |
|----------------------------------|-------|---|

**Local Sponsor:** 1,600,654.33 yds<sup>2</sup>

**Department:** A design beach width of 120 feet from the baseline was utilized and bounded by the ECL on the landward edge (Olsen 2017 Monitoring Report, page 41). As calculated by GIS: 6,098,400 ft<sup>2</sup>

**Total area:** 6,098,400 ft<sup>2</sup>

|                                  |       |     |
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| Recreational benefits (3 points) | Score | 0.3 |
|----------------------------------|-------|-----|

**Local Sponsor:** 9%

**Department:** Verified by open air and public spaces calculation; percentage corroborated by FY 22/23 application

**Percentage:** 9%

|                                        |       |     |
|----------------------------------------|-------|-----|
| Mitigation of inlet effects (5 points) | Score | 2.5 |
|----------------------------------------|-------|-----|

**Local Sponsor:** N/A

The project is within the influence area of Longboat Pass and New Pass, of which the target bypassing quantity of 57,800 cy/yr to the south has not been achieved for the former inlet. 50.6% of the cumulative bypassing objective has been supplied by construction. Therefore, 2.5 points are awarded.

**Department:**  
**CEG calculated value:** 50.60%

|                                    |              |            |
|------------------------------------|--------------|------------|
| <b>Volume/mile/year (5 points)</b> | <b>Score</b> | <b>3.8</b> |
|------------------------------------|--------------|------------|

**Local Sponsor:** N/A

**Department:** Volume = 175,000 cy, Length = 3,455 ft, Nourishment Interval = 3 yrs  
**CEG calculated value:** 89,146 cy/ft/yr

#### Tier 4

|                                                |              |          |
|------------------------------------------------|--------------|----------|
| <b>Successive unfunded requests (5 points)</b> | <b>Score</b> | <b>0</b> |
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**Local Sponsor:** No

**Department:** Verified

|                                                     |              |          |
|-----------------------------------------------------|--------------|----------|
| <b>Environmental habitat enhancement (5 points)</b> | <b>Score</b> | <b>0</b> |
|-----------------------------------------------------|--------------|----------|

**Local Sponsor:** N/A

**Department:** The project boundary intersects a critical habitat area. 20.9% of the project length is armored, which is below the 30% threshold and therefore not eligible for the award of points.

#### Overall readiness to proceed

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|-----------------------------------------|--------------|----------|
| <b>Readiness to construct (1 point)</b> | <b>Score</b> | <b>1</b> |
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**Local Sponsor:** N/A

**Department:** Verified

|                                 |              |          |
|---------------------------------|--------------|----------|
| <b>Active permits (1 point)</b> | <b>Score</b> | <b>1</b> |
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**Local Sponsor:** State: 0296464-010-JN (10/26/2026); Fed: SAJ-2009-03350-IP-MEP (10/26/2026)

**Department:** Verified

|                                     |              |          |
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| <b>Easements acquired (1 point)</b> | <b>Score</b> | <b>1</b> |
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**Local Sponsor:** Yes

**Department:** Verified

|                                      |              |          |
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| <b>Local funds secured (1 point)</b> | <b>Score</b> | <b>1</b> |
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**Local Sponsor:** Yes

**Department:** Draft Resolution was submitted by application deadline.

|                                                   |              |          |
|---------------------------------------------------|--------------|----------|
| <b>Erosion Control Line established (1 point)</b> | <b>Score</b> | <b>1</b> |
|---------------------------------------------------|--------------|----------|

**Local Sponsor:** Yes

**Department:** Verified