CITY COUNCIL MEETING

City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026, at 7:00 PM
City Hall Council Chamber | 2055 South Patrick Drive

AGENDA

Mayor and City Council
Scott Nickle, Mayor
Adam Dyer, Deputy Mayor
Susan Ruimy, Council Member
David Nutt, Council Member
Neil Yorio, Council Member

Administration
John W. Coffey, ICMA-CM -City Manager
Karl Bohne — City Attorney
Nikki Gold — City Clerk

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE FOLLOWED BY A MOMENT OF SILENT MEDITATION**
3. **ROLL CALL**
4. **EXCUSAL OF COUNCIL MEMBERS**
5. **ADDITIONS, DELETIONS OR CHANGES TO THE AGENDA, IF ANY**
6. **PRESENTATIONS/PROCLAMATIONS/INTRODUCTIONS**
   a. Constitution Week Proclamation
7. **APPROVAL OF MINUTES**
   a. Regular City Council Meeting: August 25, 2026
8. **REPORTS**
   a. City Manager Report
   b. City Attorney's Report
   c. Council Comments
   d. Public Comments (Non-Public Hearing Agenda Item Only)
9. **UNFINISHED BUSINESS**
10. **NEW BUSINESS**

a. **Second Public Hearing on Ordinance No. 2026-11 for the Operating Millage Rate of Fiscal Year 2026-2027 (action item)**

b. **Second Public Hearing on Ordinance No. 2026-12, adopting the Fiscal Year 2026-2027 Annual Budget (action item)**

c. **Replacement pool equipment cover award of contract (action item)**

d. **Award of contract for engineering and stormwater consulting continuing services (RFQ 2026-01) (action item)**

e. **Resolution No. 26-08: Brevard County Hazard Mitigation Plan adoption (action item)**

f. **Establishment of the City Council's legislative priorities for 2027 (action item)**

g. **Catch and release fishing in Gleason Park Lake (discussion item)**

11. PUBLIC FORUM

12. ADJOURN

ALL PERSONS WISHING TO BE HEARD SHOULD APPEAR IN PERSON AT THESE HEARINGS OR SEND WRITTEN COMMENTS TO THE CITY CLERK. ALL PERSONS AND PARTIES ARE HEREBY ADVISED THAT IF THEY SHOULD DECIDE TO APPEAL ANY DECISION MADE BY THE CITY COUNCIL WITH RESPECT TO ANY MATTER CONSIDERED AT THE PUBLIC MEETING, HE OR SHE WILL NEED A RECORD OF THE PROCEEDINGS, AND FOR SUCH PURPOSE, HE OR SHE MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. FSS 286.0105. IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), ANYONE WHO NEEDS SPECIAL ACCOMMODATION FOR THIS MEETING SHOULD CONTACT THE CITY CLERK AT 321-773-3181 AT LEAST 48 HOURS IN ADVANCE OF THIS MEETING.

PROCLAMATION

WHEREAS, September 17, 2026, marks the two hundred and thirty-ninth anniversary of the drafting of the Constitution of the United States; and

WHEREAS, it is fitting and proper to accord official recognition to this magnificent document and its memorable anniversary; and to the patriotic celebrations which will commemorate the occasion; and

WHEREAS, Public Law 915 guarantees the issuing of a proclamation each year by the President of the United States of America designating September 17th through September 23rd as Constitution Week; and

NOW, THEREFORE, We, the Mayor and Council Members of the City of Indian Harbour Beach proclaim the week of September 17th through September 23rd, 2026, as

Constitution Week

And ask our citizens to reaffirm the ideals of the framers of the Constitution, which they had in 1787, by vigilantly protecting the freedoms guaranteed to us through this guardian of our liberties, remembering that lost rights may never be regained.

Witness my hand and the seal of the City of Indian Harbour Beach, this 15th day of September, 2026.

X

Scott Nickle
Mayor

X

Adam Dyer
Deputy Mayor

X

Susan Ruimy
Council Member

X

David Nutt
Council Member

X

Neil Yorio
Council Member

CITY COUNCIL MEETING

City of Indian Harbour Beach, Florida
Thursday, September 3, 2026, at 7:00 PM
City Hall Council Chamber | 2055 South Patrick Drive

MEETING MINUTES

Mayor and City Council
Scott Nickle, Mayor
Adam Dyer, Deputy Mayor
Susan Ruimy, Council Member
David Nutt, Council Member
Neil Yorio, Council Member
Administration
John W. Coffey, ICMA-CM -City Manager
Karl Bohne — City Attorney
Nikki Gold — City Clerk

1. CALL TO ORDER

Mayor Nickle called the meeting to order at 7:00 pm.

2. PLEDGE OF ALLEGIANCE FOLLOWED BY A MOMENT OF SILENT MEDITATION

3. ROLL CALL

The Mayor and all Council Members were present. Also in attendance was City Manager John W. Coffey.

4. EXCUSAL OF COUNCIL MEMBERS

N/A

5. ADDITIONS, DELETIONS OR CHANGES TO THE AGENDA, IF ANY

None.

6. PRESENTATIONS/PROCLAMATIONS/INTRODUCTIONS

a. National Suicide Prevention Month

Mayor Nickle read the proclamation. Robert DeVries with Space Coast Health Foundation was present to receive it. He gave a brief background of the program and had his photo taken with the Mayor.

b. Patriot Day Proclamation

No one was present to accept. The proclamation will be displayed in City Hall.

7. APPROVAL OF MINUTES

a. Regular City Council Meeting: August 25, 2026

Approved by acclamation.

8. REPORTS

a. City Manager Report

ACTION ITEMS

- Annual Board & Volunteer Appreciation Dinner: Consensus to hold the event on Thursday, November 12, 2026
- Lyme Bay Request: Consensus not to have a traffic study and leave signage as is.

INFORMATIONAL ITEMS

- Algonquin Sports Complex update: The bathroom was delivered yesterday. FPL to provide a date for the switchover on Friday.
- Algonquin Sports Complex roll-up door replacement: Project completed on September 2, 2026.
- License plate reader (LPR) update: FDOT revoked all right-of-way permits. All equipment was taken down yesterday.
- FDOT South Patrick Drive project: Installing temporary left turn signs at the intersection. Anticipated completion at the end of September/early October.
- Employee recognition: Public Works Maintenance Specialists Matt Godden and Richard Daye.

b. City Attorney's Report

N/A

c. Council Comments

- Deputy Mayor Dyer: None
- Council Member Ruimy: Complimented Communications Manager Fuller and noted how many people are very happy with City communications.
- Council Member Yorio: None
- Council Member Nutt: None
- Mayor Nickle: None

d. Public Comments (Non-Public Hearing Agenda Item Only)

None.

9. UNFINISHED BUSINESS

None.

10. NEW BUSINESS

a. **First public hearing on Ordinance No. 2026-11 for the operating millage rate of Fiscal Year 2026-2027 (action item)**

City Clerk Gold read the title of the ordinance into the record. City Manager Coffey gave a background. Mayor Nickle opened up for a public hearing: No speakers.

Motion by Deputy Mayor Dyer to approve on first reading, Ordinance No. 2026-11 establishing the millage rate for FY 2026-2027 at 5.5077, seconded by Council Member Nutt, carried 5-0.

b. **First public hearing on Ordinance No. 2026-12, adopting the Fiscal Year 2026-2027 Annual Budget (action item)**

City Clerk Gold read the title of the ordinance into the record. City Manager Coffey gave a background. Mayor Nickle opened up for a public hearing: no speakers.

Motion by Deputy Mayor Dyer to approve on first reading, Ordinance No. 2026-12, establishing the annual operating budget for FY2026-2027 at $21,165,068, seconded by Council Member Nutt, carried 5-0.

c. **Renewal of liability, property, workers' compensation, public safety life, and executive travel insurance policies for FY27 (action item)**

Mayor Nickle recused himself from voting because he is a board member of Preferred Government Insurance Trust (PGIT). (Form 8B was completed and is attached).

Motion by Deputy Mayor Dyer to approve the FY2027 renewal quote from PGIT in the amount of $438,862 for FY2027's liability, workers' compensation, public safety life, and executive travel life insurance coverage, seconded by Council Member Ruimy, carried 4-0.

d. **Resolution No. 26-07: FY27 Employee pay and classification plan (action item)**

City Clerk Gold read the title of the resolution into the record. City Manager Coffey gave a background.

Motion by Council Member Ruimy to adopt Resolution No. 26-07, implementing the FY 2027 Employee Pay & Classification Plan effective September 30, 2026, seconded by Council Member Yorio, carried 5-0.

e. **Truck traffic on Pine Tree Drive and Banana River Drive**

Consensus to not move forward with the traffic study.

11. PUBLIC FORUM

The following people spoke:

- Paula Shenbaum: 1883 South Patrick Drive

12. ADJOURN

Motion by Council Member Nutt to adjourn the meeting at 8:01 pm, seconded by Deputy Mayor Dyer, carried 5-0.

X_____
Scott Nickle
Mayor

ATTEST:

X_____
Nicole "Nikki" Gold
City Clerk

FORM 8B MEMORANDUM OF VOTING CONFLICT FOR COUNTY, MUNICIPAL, AND OTHER LOCAL PUBLIC OFFICERS

LAST NAME—FIRST NAME—MIDDLE NAME	NAME OF BOARD, COUNCIL, COMMISSION, AUTHORITY, OR COMMITTEE
Nickle Scott	IHB City Council
MAILING ADDRESS 3de Salida Dr.	THE BOARD, COUNCIL, COMMISSION, AUTHORITY OR COMMITTEE ON WHICH I SERVE IS A UNIT OF: ☒ CITY ☐ COUNTY ☐ OTHER LOCAL AGENCY
CITY: Indian Harbour Beach COUNTY: Brevard	NAME OF POLITICAL SUBDIVISION: City of Indian Harbour Beach
DATE ON WHICH VOTE OCCURRED 9-3-2026	MY POSITION IS: ☒ ELECTIVE ☐ APPOINTIVE

WHO MUST FILE FORM 8B

This form is for use by any person serving at the county, city, or other local level of government on an appointed or elected board, council, commission, authority, or committee. It applies to members of advisory and non-advisory bodies who are presented with a voting conflict of interest under Section 112.3143, Florida Statutes.

Your responsibilities under the law when faced with voting on a measure in which you have a conflict of interest will vary greatly depending on whether you hold an elective or appointive position. For this reason, please pay close attention to the instructions on this form before completing and filing the form.

INSTRUCTIONS FOR COMPLIANCE WITH SECTION 112.3143, FLORIDA STATUTES

A person holding elective or appointive county, municipal, or other local public office MUST ABSTAIN from voting on a measure which would inure to his or her special private gain or loss. Each elected or appointed local officer also MUST ABSTAIN from knowingly voting on a measure which would inure to the special gain or loss of a principal (other than a government agency) by whom he or she is retained (including the parent, subsidiary, or sibling organization of a principal by which he or she is retained); to the special private gain or loss of a relative; or to the special private gain or loss of a business associate. Commissioners of community redevelopment agencies (CRAs) under Sec. 163.356 or 163.357, F.S., and officers of independent special tax districts elected on a one-acre, one-vote basis are not prohibited from voting in that capacity.

For purposes of this law, a "relative" includes only the officer's father, mother, son, daughter, husband, wife, brother, sister, father-in-law, mother-in-law, son-in-law, and daughter-in-law. A "business associate" means any person or entity engaged in or carrying on a business enterprise with the officer as a partner, joint venturer, coowner of property, or corporate shareholder (where the shares of the corporation are not listed on any national or regional stock exchange).

* * * * * * * * * * * * * * * * *

ELECTED OFFICERS:

In addition to abstaining from voting in the situations described above, you must disclose the conflict:

PRIOR TO THE VOTE BEING TAKEN by publicly stating to the assembly the nature of your interest in the measure on which you are abstaining from voting; *and*

WITHIN 15 DAYS AFTER THE VOTE OCCURS by completing and filing this form with the person responsible for recording the minutes of the meeting, who should incorporate the form in the minutes.

* * * * * * * * * * * * * * * * *

APPOINTED OFFICERS:

Although you must abstain from voting in the situations described above, you are not prohibited by Section 112.3143 from otherwise participating in these matters. However, you must disclose the nature of the conflict before making any attempt to influence the decision, whether orally or in writing and whether made by you or at your direction.

IF YOU INTEND TO MAKE ANY ATTEMPT TO INFLUENCE THE DECISION PRIOR TO THE MEETING AT WHICH THE VOTE WILL BE TAKEN:

- You must complete and file this form (before making any attempt to influence the decision) with the person responsible for recording the minutes of the meeting, who will incorporate the form in the minutes. (Continued on page 2)

APPOINTED OFFICERS (continued)

- A copy of the form must be provided immediately to the other members of the agency.
- The form must be read publicly at the next meeting after the form is filed.

IF YOU MAKE NO ATTEMPT TO INFLUENCE THE DECISION EXCEPT BY DISCUSSION AT THE MEETING:

- You must disclose orally the nature of your conflict in the measure before participating.
- You must complete the form and file it within 15 days after the vote occurs with the person responsible for recording the minutes of the meeting, who must incorporate the form in the minutes. A copy of the form must be provided immediately to the other members of the agency, and the form must be read publicly at the next meeting after the form is filed.

DISCLOSURE OF LOCAL OFFICER'S INTEREST

I, Scott Nickle, hereby disclose that on September 3, 20 26:

(a) A measure came or will come before my agency which (check one or more)

___ inured to my special private gain or loss;

___ inured to the special gain or loss of my business associate, _____;

___ inured to the special gain or loss of my relative, _____;

___ inured to the special gain or loss of _____, by whom I am retained; or

___ inured to the special gain or loss of _____, which is the parent subsidiary, or sibling organization or subsidiary of a principal which has retained me.

(b) The measure before my agency and the nature of my conflicting interest in the measure is as follows:

Board member of insurance broker PGIT

If disclosure of specific information would violate confidentiality or privilege pursuant to law or rules governing attorneys, a public officer, who is also an attorney, may comply with the disclosure requirements of this section by disclosing the nature of the interest in such a way as to provide the public with notice of the conflict.

09-03-2026
Date Filed

Signature

NOTICE: UNDER PROVISIONS OF FLORIDA STATUTES §112.317, A FAILURE TO MAKE ANY REQUIRED DISCLOSURE CONSTITUTES GROUNDS FOR AND MAY BE PUNISHED BY ONE OR MORE OF THE FOLLOWING: IMPEACHMENT, REMOVAL OR SUSPENSION FROM OFFICE OR EMPLOYMENT, DEMOTION, REDUCTION IN SALARY, REPRIMAND, OR A CIVIL PENALTY NOT TO EXCEED $10,000.

CITY MANAGER'S REPORT: September 15, 2026

A. ACTION ITEMS

1. Proposed *Employee Handbook* review and adoption process

   While comprehensive, the current Personnel Policies Manual is cumbersome to use, and most employees cannot quickly locate specific information. Ideally, each employee should possess a copy and be able to easily find information of interest. Sadly, most senior staff cannot easily find specific information quickly, as some topics are spread out in different sections of the document.

   Hence, beginning in August 2025, staff have worked with a consultant to streamline the current 148-page *Personnel Policy Manual* into a more concise document. The result is a 64-page draft *Employee Handbook* (sans table of contents) and 40 Administrative Policies. For greater transparency, staff plans to post all Administrative Policies alongside the *Employee Handbook* on the City's website once Council adopts the document.

   While many sections have been consolidated, rearranged, or moved to Administrative Policies, there are no "major changes" from the current *Personnel Policies Manual* to the proposed *Employee Handbook*. All changes were made via MS Word track changes, and a crosswalk table is available to help reviewers identify where sections of the current Personnel Policies Manual were moved in the proposed *Employee Handbook* or Administrative Policies.

   A copy of the proposed Employee Handbook was provided to City Attorney Bohne on August 11th.

   Due to only one meeting per month being scheduled in November and December, three options for Council review, possible modification, and adoption include:
   - Schedule a workshop to review the proposed *Employee Handbook* in January 2027, with consideration of adoption at a following Council meeting
   - Skip a separate review workshop, and place review and consideration of adoption of the *Employee Handbook* on the October 13th Council Meeting agenda
   - An alternate course of action as identified by the City Council

   Staff requests direction from the City Council on how they prefer to review and consider the adoption of the proposed *Employee Handbook*.

B. INFORMATIONAL ITEMS

2. Algonquin Sports Complex update

   The project is largely at a standstill as the contractor is waiting for FPL to provide a specific date for the start of pulling new electrical lines and the service switchover.

3. Fire Assessment study project update

   A request for proposals for a firm to conduct a feasibility study with an option for implementation assistance services is scheduled for release on October 1, 2026, with a closing date of November 13, 2026. Consideration of the contract award is scheduled for the January 12, 2027, Council meeting agenda.

C. Tentative Agenda Items for the Next Regular City Council Meeting

4. The following items are currently planned for the October 13th City Council Meeting: (items requested by a Council Member are indicated in parentheses)
   A. Property tax reform workshop (6:00 p.m., prior to the meeting)
   B. Girl Scouts proclamation (and leading the pledge of allegiance)
   C. U.S. Constitution proclamation
   D. FY25 Audit presentation
   E. Space Coast Transportation Planning Organization presentation
   F. Old Business: Ord. No. 2026-04 (tall grass) 1st reading

Upcoming Events

5. Tree Preservation Board Meeting
   7:00 p.m., Wednesday, September 16th
   Council Chamber

6. POW/MIA Remembrance Day
   Saturday, September 19th
   USA flag display in Gleason Park

7. National Night Out
   4:30. p.m., Wednesday, October 7th
   Gleason Park

8. Columbus Day
   Monday, October 12th
   USA flag display in Gleason Park

9. Tax reform City Council workshop
   6:00 p.m., Tuesday, October 13th
   Council Chamber

10. City Council Meeting
    7:00 p.m., Tuesday, October 13th
    Council Chamber

11. Tree Preservation Board Meeting
    7:00 p.m., Wednesday, October 21st
    Council Chamber

12. Trunk or Treat
    Friday, October 23rd
    Gleason Park

13. City Hall Baffle Box Ribbon-cutting Ceremony
    6:30 p.m., Tuesday, October 27th

14. City Council Meeting
    7:00 p.m., Tuesday, October 27th
    Council Chamber
    (Chief Butler will be the Acting City Manager at the meeting)

15. Election Day
    Tuesday, November 3rd
    USA flag display in Gleason Park

16. Veterans Day
    Wednesday, November 11th
    - Offices closed
    - USA flag display in Gleason Park
    - 2nd Annual IHB Veterans Day Ceremony
      10:30 a.m., Recreation Center (Council Member Nutt - Master of Ceremonies)

17. Board and Volunteer Appreciation Dinner
    5:30 p.m., Thursday, November 12th
    Hilton Melbourne Beach Oceanfront Hotel

18. City Council Meeting
    7:00 p.m., Tuesday, November 17th
    Council Chamber

19. Tree Preservation Board Meeting
    7:00 p.m., Wednesday, November 18th
    Council Chamber

20. Art Show
    Saturday, November 21st
    Gleason Park

21. Thanksgiving Day Holidays
    Offices closed
    November 26th and 27th

22. Planning and Zoning Meeting
    7:00 p.m., Wednesday, December 2nd
    Council Chamber

23. Pearl Harbor Remembrance Day
    Monday, December 7th
    USA flag display in Gleason Park

24. City Council Meeting
    7:00 p.m., Tuesday, December 8th
    Council Chamber

25. Christmas and Hanukkah in the Park
    5:30 p.m., Friday, December 11th
    Gleason Park

26. Council and Employee Christmas and Hanukkah Luncheon
    Friday, December 18th
    Recreation Center

27. Christmas Holidays
    December 24th and 25th
    Offices closed

28. New Year's Day Holiday
    January 1st
    Offices closed

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Second Public Hearing on Ordinance No. 2026-11 for the Operating Millage Rate of Fiscal Year 2026-2027 (action item)

Cost: N/A

Attachments: Ord. 2026-11 FY26 Millage rate 03Sep26
FY27 Millage Comparisons - 03Sep26
Attachment FY27 Millage Rate presentation

Staff Recommendation:

Consider conducting the second public hearing on the operating millage rate for Fiscal Year 2026-2027 and adopting Ordinance No. 2026-11 on second reading.

Readers should note that the City Council shall conduct the public hearing and second reading of Ordinance No. 2026-11, adopting the FY 2026-2027 millage rate, prior to the public hearing and second reading of Ordinance No. 2026-12, which will adopt the FY 2026-2027 Annual Budget.

Background Information:

Two public hearings are required by state law for taxing authorities to adopt a millage rate and budget. The first public hearing (tentative hearing) was advertised on the Notice of Proposed Property Taxes (TRIM Notice) mailed by the Property Appraiser and in the Florida Today newspaper. This public hearing was advertised in the Florida Today newspaper.

Two ordinances are on this agenda for second reading regarding the adoption of the proposed FY 2026-2027 budget: one adopting the tentative millage rate for the City's operations, and one adopting the tentative budget.

The proposed operating millage rate, 5.5077, is 0.1458, or 2.72%, above the rolled-back

rate (revenue-neutral) of 5.3618 mils. This proposed tentative operating millage rate yields $247,831 in additional net property tax revenue to fund the following recurring expenses.

- $162,412 employee increases (wages and payroll taxes)
- $39,726 increased employee health insurance premiums
- $142,836 increased Police pension contributions

The proposed tentative millage rate is 0.0022 or 0.04% less than the FY 2025-2026 rate of 5.5099.

Of note, per State Statutes, the proposed FY27 millage rate of 5.5077 requires a two-thirds vote by the City Council for approval.

On September 3, 2026, the City Council approved Ordinance No. 2026-11 on first reading.

Staff recommends that the City Council adopt, on second reading, Ordinance No. 2026-11, establishing the millage rate for FY 2026-2027 at 5.5077.

AG

ORDINANCE NO. 2026-11

AN ORDINANCE ADOPTING A MILLAGE RATE FOR THE CITY OF INDIAN HARBOUR BEACH, FLORIDA FOR THE FISCAL YEAR 2026 – 2027; PROVIDING FOR SEVERABILITY AND AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Indian Harbour Beach, Brevard County, Florida, that:

SECTION 1. There is hereby levied upon all real and tangible property in the City of Indian Harbour Beach, Florida, a general fund millage in the amount of 5.5077 mils, per $1,000 assessed valued for the year 2026 which is an 2.72% percent increase over the current year rolled-back rate of 5.3618 and is 0.0022 or 0.04% lower than the FY 2025-2026 rate of 5.5099.

SECTION 2. 5.3618 mils represent the current year rolled-back rate.

SECTION 3. This tax is subject to all the limitations, exemptions, regulations and requirements as set forth in the Charter and Ordinances of the City of Indian Harbour Beach, Florida, and the laws of the State of Florida.

SECTION 4. Said budget (Ordinance No. 2026-12) will enable the net receipt of $8,113,868 to be deposited into the City treasury for the general fund from ad valorem tax on real and tangible property in the City of Indian Harbour Beach, Florida.

SECTION 5. In the event a court of competent jurisdiction shall hold or determine that any part of this ordinance is invalid or unconstitutional, the remainder shall not be affected, and it shall be presumed that the City Council of the City of Indian Harbour Beach did not intend to enact such invalid or unconstitutional provision. It shall further be assumed that the City Council would have enacted the remainder of this ordinance without said invalid or unconstitutional provision, thereby causing said remainder to remain in full force and effect.

SECTION 6. This ordinance shall become effective immediately upon its adoption after second reading and public hearing.

PASSED AND ADOPTED at a meeting of the City Council of the City of Indian Harbour Beach, Florida, held on 15h day of September 2026.

X

Scott Nickle
Mayor

ATTEST:

X

Nicole Gold
City Clerk

Prepared by: John W. Coffey, ICMA-CM, City Manager

Public Hearing First Reading:	September 03, 2026
Public Hearing Second Reading:	September 15, 2026

FY2027 Comparative Proposed City Millage Rates

	FY2027 PROPOSED						FY2026 ADOPTED	
City	Current	Rollback	Proposed	Population	Ad Valorem Taxes	Emp. Inc.	Population *	Ad Valorem Taxes
Brevard County	4.4909	4.4753	**4.7492**	667,900	$ 236,406,228	3.00%	640,773	$ 197,160,515
Satellite Beach	7.9000	7.6565	**7.9000**	11,493	$ 13,345,719	3.00%	11,389	$ 12,373,849
Cocoa	6.9532	6.8648	**6.9532**	21,518	$ 13,603,811	7.00%	20,225	$ 12,904,672
Melbourne	7.0112	6.8781	**6.8781**	88,499	$ 59,935,397	3% - non-union	87,662	$ 52,224,159
Palm Bay	6.7000	6.6015	**6.6015**	146,929	$ 70,479,634	5% - non-union	133,459	$ 57,843,164
Titusville	6.3000	6.0812	**6.2000**	51,076	$ 24,130,545	3.50%	50,462	$ 22,211,989
Indialantic	6.2388	5.8728	**6.1959**	3,009	$ 4,438,083	4.00%	3,005	$ 3,923,920
Cocoa Beach	6.0000	5.9988	**6.1644**	11,349	$ 19,786,729	4.00%	11,356	$ 18,779,527
Indian Harbour Bch.	5.5099	5.3618	**5.5077**	8,998	$ 8,171,003	3.25%	8,984	$ 7,838,157
Rockledge	5.3500	5.1106	**5.2335**	30,554	$ 14,701,955	10.00%	29,134	$ 14,226,834
Melbourne Beach	4.6000	4.3987	**4.6000**	3,250	$ 3,512,717	4.25%	3,248	$ 2,830,233
Cape Canaveral	3.1429	3.2956	**TBD**	9,987	TBD	2.00%	10,001	$ 6,384,249
West Melbourne	1.8151	1.7724	**1.7842**	32,372	$ 6,498,700	4.00%	29,739	$ 5,754,777
Grant - Valkaria	1.3038	1.2587	**1.2587**	5,859	$ 1,125,283	5.00%	5,441	$ 1,073,428

*All FY2027 Proposed municipality populations taken from Office of Economic & Demographic Research: Update June 17, 2026 County and Municipality Estimates

FY 2026-2027 (FY27) PROPOSED MILLAGE RATE (PROPERTY TAX) OVERVIEW

September 03, 2026 – First Public Hearing
September 15, 2026 – Second Public Hearing

FY27 BUDGET PROCESS RECAP

Jan. 13, 2026: City Council adopts FY27 Budget Preparation Calendar

Feb. 24, 2026: City Council FY27 Budget Preparation Kickoff Workshop

April 28, 2026: City Council FY27-31 Five-year Financial Model and Capital Improvement Plan Workshop

July 28, 2026: City Council adopts Tentative Millage Rate of 5.5077, which is included in TRIM Notices mailed to property owners

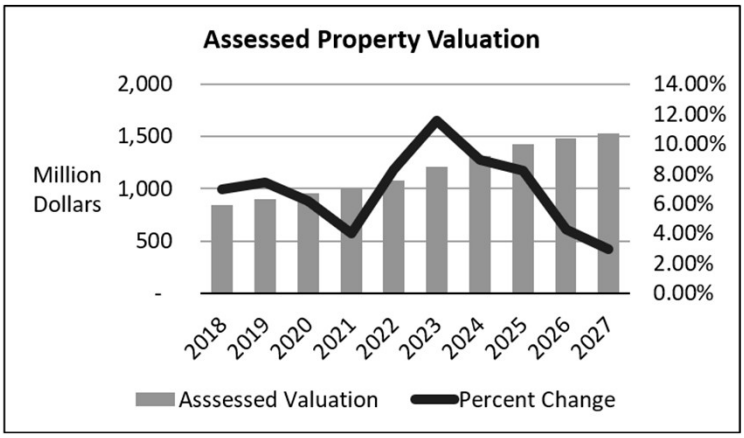
July 30, 2026: City Manager submits FY27 Proposed Budget to the City Council and was posted on the City's website

Aug. 11, 2026: City Council FY27 Proposed Budget Workshop

FY27 PROPERTY VALUATION

3

Preliminary property valuation numbers obtained from the Brevard County Property Appraiser's Office indicate a 2.76% increase in existing property valuations coupled with $2,933,672 in new construction for a total of $1,526,851,593 in assessed valuation. Combined, FY27 will see a 2.96% increase in valuations



8/27/2026

3

FY27 MILLAGE (PROPERTY TAX) RATE

4

The FY27 General Fund Budget is presented balanced at $20,150,138 and is $6,762,042, or 45.55% higher than the FY26 Adopted Budget.

,When the one-time use of fund balance and grant funding (Fire Annex and muck removal projects) in both years are removed, the increase is $320,868 or 2.62%.

Ad Valorem Taxes

- The millage rate is proposed at 5.5077, which is 0.0022 less than the FY26 rate of 5.5099. (fifth straight year of lower rates)
  - The proposed rate is 0.1459or 2.72% higher than the FY27 roll-back revenue-neutral rate of 5.3618.
  - A net $8,113,868 in receipts is projected for FY27 which is $247,831 or 3.15% higher than the FY26 Budget.

8/27/2026

4

FY27 MILLAGE RATE (CONT.)

Use of additional tax receipts

- $162,412 employee pay increases and payroll taxes
- $142,836 increase in Police Pension contributions
- $39,726 increase employee health insurance premiums

FY27 MILLAGE RATE (CONT.)

- Millage rate of 5.5077 (Cont.)
  - Homesteaded property owners will only experience a 2.96% increase in their IHB tax bill.
  - A homeowner with a taxable assessment of $546,364 would pay an additional $86.48 a year.

FY27 TAXES ON A MEDIAN VALUE SINGLE-FAMILY HOME IN IHB

7

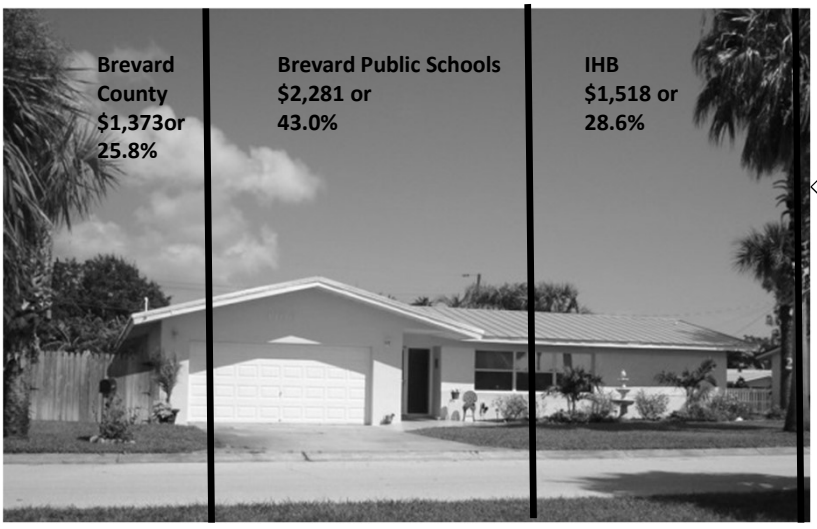
- $516,000 median sale price in July 2026 (Realtor.com)
- Example of taxes on homesteaded property (estimated value of $633,787) purchased in 2020 for $410,000
  - $475,340 Market Value (Property Appraiser's Office)
  - $308,719 Taxable Value (non-school)
  - $335,130 Taxable Value (school)
  - $1,700 IHB Taxes (excl. Stormwater Assess.) ($47 increase)
  - $5,132 Total Tax bill (excl. non-ad valorem assess.) ($207 inc.)

8/27/2026

7

FY27 TAXES ON A MEDIAN VALUE SINGLE FAMILY HOME IN IHB

8



8/27/2026

8

NEXT STEP

- The second public hearing and adoption of the FY27 Millage rate and Budget are to be held on September 15, 2026.

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Second Public Hearing on Ordinance No. 2026-12, adopting the Fiscal Year 2026-2027 Annual Budget (action item)

Cost: N/A

Attachments: Ord No 2026-12 - FY27 Budget adoption
Attachment FY27 Budget overview presentation

Staff Recommendation:

Consider conducting the second public hearing on the Annual Operating and Capital Budget for Fiscal Year 2026-2027 and adopting Ordinance No. 2026-12 on second reading.

Readers should note that the City Council shall conduct the public hearing and second reading of Ordinance No. 2026-11, adopting the FY 2026-2027 millage rate, prior to the public hearing and second reading of Ordinance No. 2026-12, which will adopt the FY 2026-2027 Annual Budget.

Background Information:

State law requires two public hearings for taxing authorities to adopt a millage rate and budget. The first public hearing (tentative hearing) was advertised on the Notice of Proposed Property Taxes (TRIM Notice) mailed by the Property Appraiser and in the Florida Today newspaper. This public hearing was advertised in the Florida Today newspaper.

A summary of the FY 2026-2027 All Funds Budget is provided as follows:

On September 3, 2026, the City Council approved Ordinance No. 2026-12 on first reading.

Staff recommends that the City Council adopt, on second reading, Ordinance No. 2026-12, which establishes the annual operating budget for FY 2026-2027 at $21,165,068.

AG

ORDINANCE NO. 2026-12

AN ORDINANCE TO ESTABLISH AND ADOPT A BUDGET FOR THE FISCAL YEAR OCTOBER 1, 2026, THROUGH SEPTEMBER 30, 2027; PROVIDING FOR SEVERABILITY AND AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Indian Harbour Beach, Brevard County, Florida, that:

SECTION 1. The following are the anticipated General Fund revenues of the City of Indian Harbour Beach, Florida, and monies available for the fiscal year, October 1, 2026, through September 30, 2027.

Ad Valorem Taxes	
Gross receipts	8,409,441
Discount and misc.	(295,573)
Sub-total:	8,113,868
General Government Taxes	
Local Option Fuel Tax	356,505
Utility Services Taxes	730,322
Communications & Local Business Taxes	316,000
Insurance Premium Tax	129,000
Sub-total:	1,531,827
Franchise, Permit, and Special Assessment Fees	
Franchise Fees	841,000
Vacation Rental & Misc.	41,300
Building Dept. Permit Fees	153,350
Sub-total:	1,035,650
Intergovernmental Revenue	
Grants	443,820
State Shared Revenue	912,450
Local Govt. Revenue	6,387,174
Police Grants & Shared Revenue	123,900
Sub-total:	7,867,344
Charges for Services	
Recreation charges	305,328
Other charges	94,049
Sub-total:	399,377

Judgements, Fines, and Forfeits	14,700
Interest and other earnings	347,000
Miscellaneous revenue	27,872
Prior year income	812,500
Total revenues	**20,150,138**

SECTION 2. The following are the anticipated General Fund expenditures of the City of Indian Harbour Beach, Florida, for the fiscal year, October 1, 2026, through September 30, 2027, and the amounts set forth are hereby appropriated for the various purposes named.

Legislative	
Personnel	1,554
Operating	89,400
Sub-total:	90,954
City Manager's Office	
Personnel	687,552
Operating	27,845
Sub-total:	715,397
Finance	
Personnel	296,892
Operating	61,650
Sub-total:	358,542
Information Technology	
Personnel	254,447
Operating	536,986
Sub-total:	791,433
Legal	
Operating	83,000
Sub-total:	83,000

General government	
Operating	958,575
Sub-total:	958,575
Police	
Personnel	3,467,459
Operating	351,540
Sub-total:	3,818,999
Fire	
Personnel	534,557
Operating	263,682
Sub-total:	798,239
Building	
Personnel	252,889
Operating	14,283
Sub-total:	267,172
Public Works	
Personnel	1,271,925
Operating	512,400
Sub-total:	1,784,325
Recreation	
Personnel	889,931
Operating	328,545
Sub-total:	1,218,476
Capital	9,265,026
Total expenditures	**20,150,138**

SECTION 3. The following are the anticipated Special Revenue Funds of the City of Indian Harbour Beach, Florida, for the fiscal year, October 1, 2026, through September 30, 2027, and the amounts set forth are hereby appropriated for the various purposes named.

Impound Fund	
Revenues	
Judgements, fines, and forfeits	-
Prior year income	2,196
Total revenue:	**2,196**
Expenditures	
Personnel	1,098
Operating	1,098
Total expenditures:	**2,196**
Police Training Fund	
Revenues	
Judgements, fines, and forfeits	850
Total revenue:	**850**
Expenditures	
Operating	850
Total expenditures:	**850**
Stormwater Utility Fund	
Revenues	
Special Assessment	411,309
Interest and other earnings	575
Grant Proceeds	600,000
Total revenue:	**1,011,884**
Expenditures	
Operating	11,000
Capital	350,000
Reserves	650,884
Total expenditures:	**1,011,884**

SECTION 4. In the event a court of competent jurisdiction shall hold or determine that any part of this ordinance is invalid or unconstitutional, the remainder shall not be affected and it shall be presumed that the City Council of the City of Indian Harbour Beach did not intend to enact such invalid or unconstitutional provision. It shall further be assumed that the City Council would have enacted the remainder of this ordinance without said invalid or unconstitutional provision, thereby causing said remainder to remain in full force and effect.

SECTION 5. This ordinance shall become effective immediately upon its adoption after the second reading and public hearing.

PASSED AND ADOPTED at a meeting of the City Council of the City of Indian Harbour Beach, Florida, held on the 15th day of September 2026.

X

Scott Nickle
Mayor

ATTEST:

X

Nicole Gold
City Clerk

Prepared by: John W. Coffey, ICMA-CM, City Manager

Public Hearing First Reading: September 03, 2026
Public Hearing Second Reading: September 15, 2026

FY27 (2026-2027) BUDGET OVERVIEW

1

SEPTEMBER 03, 2026
CITY COUNCIL MEETING

8/27/2026

1

BASIS OF FY27 BUDGET

- Continuation of “pay as you go” funding of capital projects thereby preserving the City’s debt-free status
- Property tax millage rate of 5.5077, a decrease of 0.0022 or 0.04%, resulting in $247,831 net additional tax receipts from increased valuations
- No increase in the Stormwater Utility Assessment fee
- $6,346,174 in Save Our Indian River Lagoon grant funding for 1st year of the muck removal project
- $537,500 in State funding for the Fire Station Annex project
- $812,500 use of reserves for the Fire Station Annex project

2

8/27/2026

2

BASIS OF FY27 BUDGET (CONT.)

- Continuation of inter-agency funding for a full-time School Resource Officer at Ocean Breeze Elementary School
- Continuation of the shared Police Department Victim Advocate position with the City of Satellite Beach
- 6.98% increase in employee health insurance premiums paid by the City
- 4.83% decrease in liability, property, and workers' compensation insurance premiums

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BASIS OF FY27 BUDGET (CONT.)

Payroll increases due to

- 0.25% cost-of-living adjustment (COLA) for all employees
- 3.00% step or progression increase for all employees which will move them through their respective pay grades
- No new employees (detailed later in slide deck)

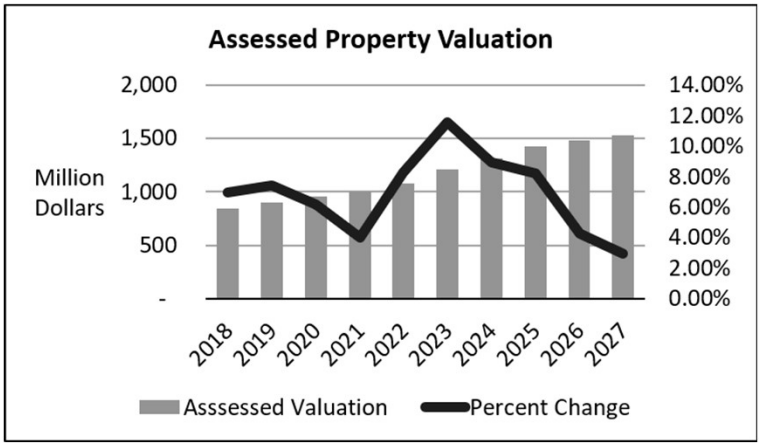
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BASIS OF FY27 BUDGET (CONT.)

- Florida Retirement System employer contribution rates
  - Regular class from 14.03% to 13.59%
  - Senior Management service class from 33.24% to 32.60%
  - Special Risk class from 35.19% to 37.74%
  - Deferred Retirement Option Plan from 22.02% to 22.12%
- Increased Police Pension contributions from 36.90% to 42.80% (FY27 costs offset by $75,313 pre-paid contributions)

FY27 PROPERTY VALUATION

Preliminary property valuation numbers obtained from the Brevard County Property Appraiser's Office indicate a 2.76% increase in existing property valuations coupled with $2,933,672 in new construction for a total of $1,526,851,593 in assessed valuation. Combined, FY27 will see a 2.96% increase in valuations



FY27 G.F. REVENUES SUMMARY

7

The FY27 General Fund Budget is presented balanced at $20,150,138 and is $6,762,042 or 45.55% higher than the FY26 Adopted Budget.

When the one-time use of fund balance and grants in both years is removed, the increase is $320,868 or 2.62%.

Ad Valorem Taxes

- The millage rate is proposed at 5.5077, which is 0.0022 less than the FY26 rate of 5.5099. (fifth straight year of lower rates)
  - The proposed rate is 0.1459 or 2.72% higher than the FY27 roll-back revenue-neutral rate of 5.3618.
  - A net $8,113,868 in receipts is projected for FY27 which is $247,831 or 3.15% higher than the FY26 Budget.

8/27/2026

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REVENUES OVERVIEW

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FY27 All Funds

	FY25 Actual	FY26 Approved Budget	FY26 YE Est	FY27 Budget	FY26-FY27 Budget Dollars	FY26-FY27 Budget Percent
General	12,694,532	13,388,096	14,027,089	20,150,138	6,762,042	50.51%
Impound	-	2,196	-	2,196	-	N/A
Police Training	942	450	1,140	850	400	88.89%
Stormwater Utility	322,948	413,884	408,671	1,011,884	598,000	144.48%
Total Revenues	**13,018,422**	**13,804,626**	**14,436,900**	**21,165,068**	**7,360,442**	**53.32%**

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EXPENDITURES OVERVIEW

FY27 All Funds

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	FY25 Actual	FY26 Approved Budget	FY26 YE Est	FY27 Budget	FY26-FY27 Budget Dollars	FY26-FY27 Budget Percent
General	11,192,379	13,388,096	15,681,297	20,150,138	6,762,042	50.51%
Impound	-	2,196	-	2,196	-	0.00%
Police Training	-	450	400	850	400	88.89%
Stormwater Utility	339,067	413,884	981,132	1,011,884	598,000	144.48%
ARPA	835,149	-	1,493,945	-	-	N/A
Total Expenditures	**12,366,595**	**13,804,626**	**18,156,774**	**21,165,068**	**7,360,442**	**53.32%**

8/27/2026

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GEN. FUND REVENUES OVERVIEW

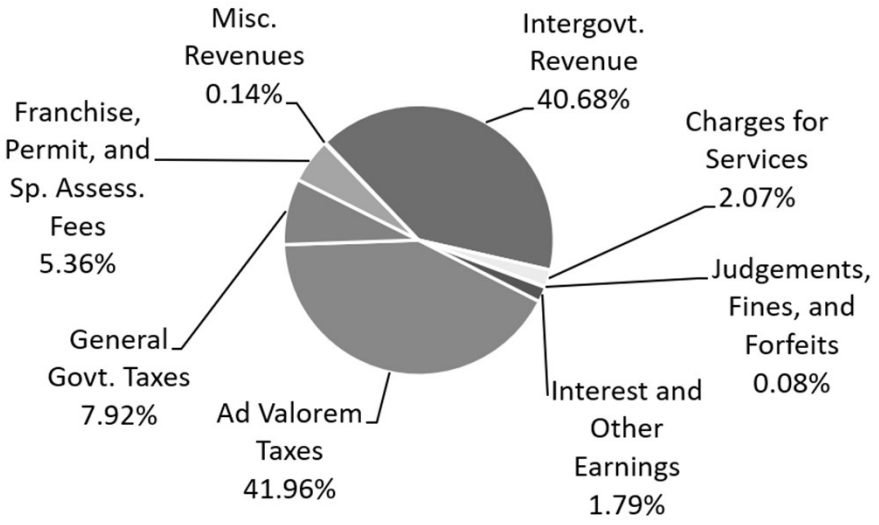
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	FY25 Actual	FY26 Approved Budget	FY26 YE Est	FY27 Budget	FY26-FY27 Budget Dollars	FY26-FY27 Budget Percent
Ad Valorem Taxes	7,396,963	7,866,037	7,866,037	8,113,868	247,831	3.15%
General Government Taxes	1,498,539	1,385,497	1,509,292	1,531,827	146,330	10.56%
Franchise, Permit, and Sp. Asses. Fees	1,121,453	981,875	1,058,085	1,035,650	53,775	5.48%
Intergovernmental Revenue	1,785,196	1,129,407	2,764,786	7,867,344	6,737,937	596.59%
Charges for Services	388,870	387,908	374,133	399,377	11,469	2.96%
Judgements, Fines, and Forfeits	17,805	13,700	14,700	14,700	1,000	7.30%
Interest and Other Earnings	429,700	436,000	407,184	347,000	(89,000)	-20.41%
Miscellaneous Revenues	56,006	32,672	32,872	27,872	(4,800)	-14.69%
Other Sources - Non-Operating		1,155,000	-	812,500	(342,500)	-29.65%
Total Revenue	**12,694,532**	**13,388,096**	**14,027,089**	**20,150,138**	**6,762,042**	**50.51%**

8/27/2026

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GENERAL FUND REVENUES



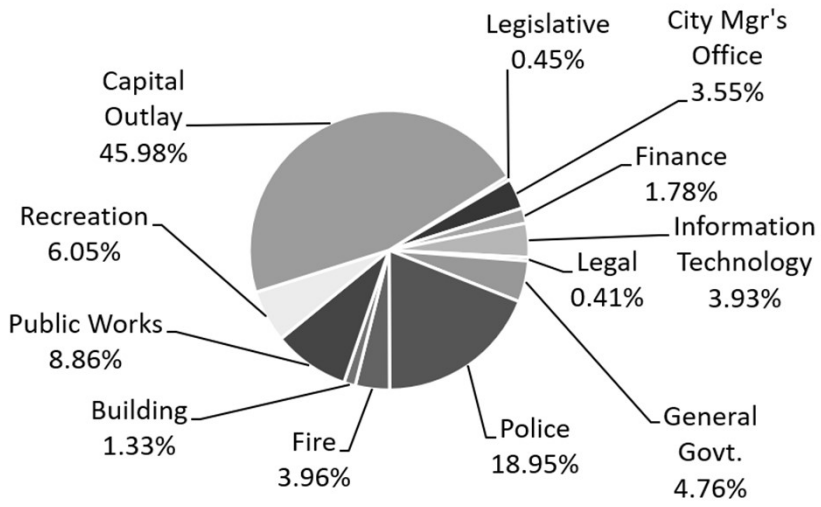
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G.F. EXPENDITURES OVERVIEW

	FY25 Actual	FY26 Approved Budget	FY26 YE Est	FY27 Budget	FY26-FY27 Budget Dollars	FY26-FY27 Budget Percent
Legislative	77,256	92,507	92,325	90,954	(1,553)	-1.68%
City Manager's Office	568,240	668,032	652,541	715,397	47,365	7.09%
Finance	336,272	354,601	344,835	358,542	3,941	1.11%
Information Technology	622,459	585,035	642,613	791,433	206,398	35.28%
Legal	76,212	81,000	81,000	83,000	2,000	2.47%
General Government	651,046	876,508	749,487	958,575	82,067	9.36%
Police	3,441,278	4,095,684	3,575,372	3,818,999	(276,685)	-6.76%
Fire	453,011	774,566	706,887	798,239	23,673	3.06%
Building	300,758	259,116	252,308	267,172	8,056	3.11%
Public Works	1,437,933	1,735,256	1,704,866	1,784,325	49,069	2.83%
Recreation	1,071,921	1,160,151	1,155,105	1,218,476	58,325	5.03%
Capital Outlay	2,155,994	2,705,640	5,723,958	9,265,026	6,559,386	242.43%
General Fund Total Expenditures	**11,192,379**	**13,388,096**	**15,681,297**	**20,150,138**	**6,762,042**	**50.51%**

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GENERAL FUND EXPENDITURES



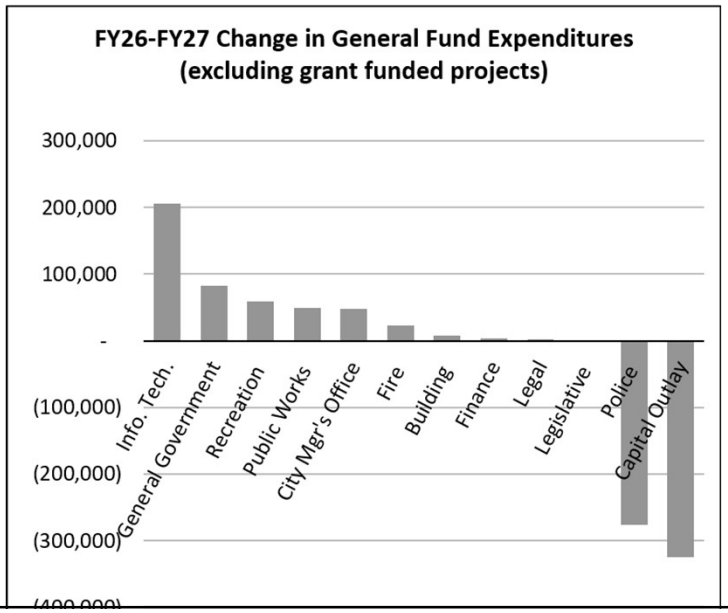
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GEN. FUND EXPENDITURES (CONT.)



14

GEN. FUND EXPENDITURES (CONT.)



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8/27/2026

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FY27 G.F. PROJECTS

$9,265,026 in Capital Projects:

6,346,174	Muck removal ($9.6M in grants) (year 1 of 2 funding)
1,250,000	Fire Station Annex (year 3 of 3-year funding)
300,000	Repl. 75' ladder truck (year 2 of 3-year funding)
242,600	Road milling/repaving
160,000	Repave Gleason Park pathway
101,000	Repl. Police vehicles (two)
100,500	Repl. Fire mobile & portable radios
100,000	Repl. main pavilion at Millennium Beach Park

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FY27 G.F. PROJECTS (CONT.)

Capital Projects:

89,677	Repl. body-worn cameras
75,000	Public Works contingency (new)
65,000	Repl. playground unit in NE part of Gleason Park
64,300	Repl. firefighter gear
55,000	School Road (north of Banana River Drive) east sidewalk (new) - partial TIF funded
54,000	Repl. Police vehicle equipment
30,000	Fire Station renovations
231,775	18 smaller projects

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8/27/2026

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STORMWATER UTILITY FUND

Revenues

The FY27 Budget of $1,011,884 is $598,000 or 144% higher than the FY26 Adopted Budget. When one-time grant receipts of $600,000 are removed from the FY27 Budget, the difference is a decrease of $2,000 or 0.49%.

- No increase in assessment rate of $90.00 a year per equivalent residential unit (ERU)

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8/27/2026

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FY27 STORMWATER UTILITY (CONT.)

19

Expenditures

10,000	Drainage maintenance:
1,000	Rain barrel rebate program and Waterfront Buffer Matching Grant program
350,000	Capital improvements
650,884	Reserves (to balance the annual budget and fund roll-forward projects)
250,000	To be rolled forward from FY26 for capital projects

8/27/2026

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FY27 PERSONNEL OVERVIEW

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FY27 FTEs per Department

Department	Full-time	Part-time/ Seasonal	Total FTEs	Change
City Mgr. Office	5.00	-	5.00	0.50
Finance	2.00	-	2.00	-
Inform. Tech.	2.00	-	2.00	-
Police	25.50	0.81	26.31	(5.00)
Fire	4.00	1.00	5.00	(0.82)
Building	2.00	-	2.00	-
Public Works	16.00	1.25	17.25	-
Recreation	5.00	9.28	14.28	-
Total	**61.50**	**12.34**	**73.84**	**(5.32)**

8/27/2026

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KEY DATE REMAINING

- The second public hearing and adoption of the FY27 Millage rate and Budget are to be held on September 15, 2026.

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Replacement pool equipment cover award of contract (action item)

Cost: $44,700.00

Attachments: bids
FY26 Contingency tracker

Staff Recommendation:

Consider awarding a contract to Florida Dock Life, LLC to replace the structure covering the pool equipment at the Recreation Center.

Background Information:

The structure covering the pool equipment is deteriorating, and staff determined it was not cost-feasible to make the required repairs. In accordance with the City Charter, the project was advertised in the *Florida Today* newspaper on August 27th and September 3rd.

The following bids were received:

$44,700.00 Florida Dock Life, LLC

$42,847.42 Advanced Aluminum

$125,247.00 Playmore Recreational Products and Services

$86,150.00 Bliss Products

Based on prior experience and long-term durability, staff believes the Florida Dock Life, LLC bid is the best option to pursue. As illustrated on the attached City Manager's Contingency tracker, there is sufficient funding to cover this unanticipated expense.

Staff recommends the City Council award a not-to-exceed contract in the amount of $44,700.00 to Florida Dock Life, LLC to replace the structure covering the pool equipment at the Recreation Center and authorize staff to transfer the required budget from the City Manager's Contingency account.

ESTIMATE

Florida Dock Life, LLC
265 Lucas Rd
Merritt Island, FL 32953-4548

Billie@floridadocklife.com
+1 (321) 720-3625

City of Indian Harbour Beach:Gleason Clubhouse Pool Equipment Roof

Bill to
City of Indian Harbour Beach
2055 South Patrick Drive
Indian Harbour Beach, FL 32937

Ship to
City of Indian Harbour Beach
2055 South Patrick Drive
Indian Harbour Beach, FL 32937

Estimate details

Estimate no.: 10747
Estimate date: 08/18/2026

#	Product or service	Description	Qty	Rate	Amount
1.	Engineering Plans	Engineering Plans	1	$4,200.00	$4,200.00
2.	Demo	Demo -Permit on demo -Scaffolding set up over all pool equipment w/structural boards covering all equipment for protection. Any exposed equipment will have a structural frame built over them to protect from demo. -Completely remove structure and haul off	1	$4,500.00	$4,500.00
3.	Services	Roof System -Footers (dig, form, rebar and pour concrete. -Install Stainless Steel post base per engineering. -Install 8x8 .60 CCA -Install Pressure treated box header systems w/double outside. -Install 2x8 .60 CCA rafters. -Install 2x10 collar ties w/2-5/8" SS bolts per connection. -Install all stainless steel hurricane connectors per plans. -Install 2x6 fascia. -Install T111 4" O.C. face down and an additional 1/2" osb on top nailed down per plans. -Install peel & stick secondary moisture barrier. -Install standing seam, hidden fasteners 24 guage metal roof.	600	$60.00	$36,000.00

Total	$44,700.00

Note to customer

Sincerely yours,

Davin T. Erickson
President Florida Dock Life, llc.
265 Lucas Rd.
Merritt Island, Florida 32953
o. 321.720.DOCK (3625)
c. 321.720.4350
Lic. # CBC1269442
Lic. # 16-M1-CT-00030

Accepted date **Accepted by**

2

ADVANCED ALUMINUM

Search Advanced Aluminum

CITY OF INDIAN HARBOUR BEACH / 1233 YACHT CLUB BOULEVARD

Pool Pump Area Covering

+ Message

Dashboard | Documents | Selections | Files | Messages

Proposal 1360-1

Issue Date August 13, 2026
Expires September 12, 2026

PENDING

Download PDF

PREPARED BY
Elias Langdon
Advanced Aluminum
elias@advancedaluminum.com
155 N Range Rd, Cocoa, FL 32926, USA

PREPARED FOR
Elliott Guzmon
City of Indian Harbour Beach
(619) 210-3699
dartz@indianharbourbeach.gov
1233 Yacht Club Blvd, Indian Harbour Beach, FL 32937, USA

PROPOSAL DETAILS

1233 Yacht Club Boulevard
1233 Yacht Club Blvd, Indian Harbour Beach, FL 32937, USA

Job Scope
Demolish existing structure and onstruct a 30' x 18' free standing composite aluminum roof cover area over existing slab and pool pump mechanical components.

Composite Roof Cover Area
3" Insulated Aluminum Roof Attached to building wall
Upgraded Structural Aluminum Frame System
Assembled & Installed with Stainless Steel Fasteners
OEM Gutter with Downspouts
Engineering & Building Permit as per Building Code

Options
Frame Color

DESCRIPTION	QTY	TOTAL
Composite Roof Cover Area .024 Cover area only. No walls.		$42,847.42

Customer Options $0.00

Frame Color $0.00
Please select 1 option

☐ Frame Color: Bronze +$0.00
Frame Color: Bronze

FILES

Upload

TO All Document ...
+ Add

Message

COMMENTS

There is no recent activity to display

☐ Frame Color: White +$0.00

Frame Color: White

TOTAL **$42,847.42**

All pricing provided in this estimate is valid for 30 days from the date issued.

Warranty: Advanced Aluminum warrants all workmanship on completed projects for a period of ten (10) years from the date of completion. This warranty covers defects in workmanship under normal use and conditions. Materials are subject to manufacturer warranties. This warranty does not cover damage caused by misuse, acts of nature, or unauthorized modifications.

The above specifications, costs, and terms are hereby accepted.

YOUR SIGNATURE

YOUR NAME

City of Indian Harbour Beach

✓ Save ⊘ Decline Approve

playmore
RECREATIONAL PRODUCTS + SERVICES

Proposal

#EST3897

Bill To
City of Indian Harbour Beach
1233 Yacht Club Blvd
Indian Harbour Beach FL 32937

Ship To
City of Indian Harbour Beach
1233 Yacht Club Blvd
Indian Harbour Beach FL 32937

Proposal Date	Project Manager
8/26/2026	Joshua Mesmer

Title: Beach Pool Structure
Memo:

			Terms: Net 30
Quantity	**Description**	**Unit Price**	**Total Extended**
1	**Shelter** Navajo Model Shelter 20' x 30' (roof size) 4:12 Pitch, 8' eve height, Four Surface Mount Posts, Tubular Steel Frame is Shot Blasted and Zinc Rich Powder Primed prior to Powder Coat Finish, Aluminum "W" Structural Roof Panels, Extruded Aluminum Guttered Fascia & Ridge Caps, #550 White Frame Colo, #515 Regal Blue Roof Color	$37,732.00	$37,732.00
1	**Freight** Americana	$5,375.00	$5,375.00
1	**Shelter Installation** Unload and Install	$47,437.50	$47,437.50
1	**Removal of Existing Equipment** Remove/Dispose existing 20' x 30' Steel Shelter (Includes Footers)	$31,462.50	$31,462.50
1	**Engineered Drawings**	$2,000.00	$2,000.00
1	**Building Permit Fees** This section outlines the fees associated with building permits, which vary based on the scope, size, and complexity of your project.	$1,240.00	$1,240.00
THIS PROPOSAL IS SUBJECT TO THE ATTACHED TERMS AND CONDITIONS		**Subtotal**	$125,247.00
		Tax	$0.00
		Total	$125,247.00

Accepted By

Printed Name: _____ Signature: _____ Date: _____

PLEASE SIGN AND RETURN ONE COPY WHEN ORDERING. PO/Reference #:_____ ***THANK YOU!***



ITB 2026-03
PROPOSAL

BLISS PRODUCTS

INDIAN HARBOUR BEACH FLORIDA

FL GC License

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

PERSYNS, ERIC BRADLEY

BLISS PRODUCTS AND SERVICES, INC.
6831 S SWEETWATER RD
LITHIA SPRINGS GA 30122

LICENSE NUMBER: CGC1516244

EXPIRATION DATE: AUGUST 31, 2028

Always verify licenses online at MyFloridaLicense.com

ISSUED: 07/14/2026

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Bliss Products and Services, Inc.

BLISS PRODUCTS
everything under the sun

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 08/06/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
MARSH USA, LLC.
Two Alliance Center
3560 Lenox Road, Suite 2400
Atlanta, GA 30326
Attn: Atlanta.CertRequest@marsh.com / Fax: 212-948-4321
CN102326389-BPS-GAWUX-26-27

CONTACT NAME:
PHONE (A/C, No, Ext): **FAX (A/C, No):**
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Scottsdale Insurance Company	41297
INSURER B : Continental Casualty Company	20443
INSURER C : American Casualty Company Of Reading, Pa	20427
INSURER D : Transportation Insurance Co	20494
INSURER E : National Union Fire Ins Co. of Pittsburgh PA	19445
INSURER F : The Continental Insurance Company	35289

INSURED
Bliss Products & Services, Inc.
6831 S. Sweetwater Rd
Lithia Springs, GA 30122

COVERAGES **CERTIFICATE NUMBER:** ATL-006212828-00 **REVISION NUMBER:** 0

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X SIR $250,000 Per Occ. GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			BCS2004120	08/01/2026	08/01/2027	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG POLICY AGGREGATE	$ 2,000,000 $ 100,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $ 10,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			7039895527	08/01/2026	08/01/2027	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) Comp./Coll. Ded.: $2,000	$ 1,000,000 $ $ $ $
F	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 0			7039984806 'RETENTION Umb Catastrophe $25,000'	08/01/2026	08/01/2027	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000 $
C C D G	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		7039895530 7039895544 7039918871 7039929062	08/01/2026 08/01/2026 08/01/2026 08/01/2026	08/01/2027 08/01/2027 08/01/2027 08/01/2027	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
E	Excess Umbrella			13012090	08/01/2026	08/01/2027	Each Occurrence Aggregate	10,000,000 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
For information purposes

CERTIFICATE HOLDER
Bliss Products and Services, Inc.
6831 South Sweetwater Road
Lithia Springs, GA 30122

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
of Marsh USA LLC

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Sunbiz

Department of State / Division of Corporations / Search Records / Detail By Document Number /

Detail by Entity Name

Florida Profit Corporation
BLISS PRODUCTS AND SERVICES, INC.

Filing Information

Document Number	G95904
FEI/EIN Number	59-2413631
Date Filed	04/11/1984
State	FL
Status	ACTIVE

Principal Address

6831 S SWEETWATER RD
LITHIA SPRINGS, GA 30122

Changed: 01/09/2004

Mailing Address

6831 S SWEETWATER RD
LITHIA SPRINGS, GA 30122

Changed: 01/15/2008

Registered Agent Name & Address

NRAI SERVICES, INC.
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324

Name Changed: 03/19/2018

Address Changed: 03/19/2018

Officer/Director Detail

Name & Address

Title P

BLISS, GREGG
3805 NEW YORK AVE
DOUGLASVILLE, GA 30135

Annual Reports

Report Year	Filed Date
2018	01/15/2018
2019	03/14/2019
2020	01/15/2020

Bliss Products and Services, Inc.

Overview

Bliss Products and Services, Inc. (BPS) has been in the recreation business since April 1984. With over thirty years of success in an ever-changing industry, BPS has continued to expand not only territory but capabilities as well. Our growth can be directly attributed to our customer-first sales philosophy. BPS believes in a low-key and educated approach to each opportunity. Our team has experience in the design of all types and sizes of recreation and play environments. BPS offers site evaluations, budgetary proposals, custom designs, and installation services for a wide range of products. BPS can utilize the newest technologies available and support our staff and clients through multiple platforms.

Banking, Bonding, and Insurance

- BPS has bonding capabilities of over 2M dollars
- BPS carries insurance over 5M dollars (COI attached for reference)
- Specific banking, bonding, and credit references are available upon request
- BPS is not currently in any claims dispute and has not been in the past. There are no dispositions, pending or settled. No liquidated damages have been assessed.
- FEIN: 59-2413631
- DUNS: 003456428
- E-Verify: 329247

General Information

Mailing Address:
6831 S Sweetwater Road
Lithia Springs, GA 30122

Email Addresses:
Gregg Bliss, General Manager: gregg.bliss@blissproducts.com
Heather Smith, Sales Representative: heather.smith@blissproducts.com
Alison Bradford, Bid/Sales Manager: alison.bradford@blissproducts.com

Phone Numbers:
Gregg: 800-248-2547
Heather: 727-403-7849
Alison: 800-248-2547

Meet Your Bliss Team



Gregg Bliss, President

Gregg Bliss has been with BPS for over 30 years and took over as President in 2000. Since becoming President, Gregg has been responsible for expanding the company's territory to over 12 states and more than doubling both the sales staff and installation crews. Gregg is the qualifying agent for contractors' licenses in over five states, including holding a GC license in Florida. Gregg is CPSI certified and graduated Summa Cum Laude from Tarleton State University with a Bachelor of Science degree in Industrial Technology.



Heather Smith, Sales Representative

Heather Smith has become an integral part of the Bliss Products sales team since she joined in 2016. Since then, she has completed several signature projects - including an inclusive sports themed playground for the City of Winter Springs. From onsite meetings to thorough follow up after the installation process, Heather makes sure that all of her customers' needs are met. Currently, over 75% of Heather's sales are from repeat customers.



Allie Bradford, Bid Manager

Allie joined the Bliss team in November 2025 as a Sales Coordinator and quickly demonstrated the organizational skills, communication, and attention to detail needed to excel in a fast-paced environment. After just three months, she was promoted to Bid Manager, where she oversees all bid opportunities, coordinates vendor quotations, works closely with our sales representatives, and leads the sales coordinator team. Her dependable and thorough approach helps ensure every proposal is accurate, competitive, and submitted on time, providing our customers with the exceptional service and responsiveness they have come to expect from Bliss.



Jessica McCleary, Project Manager

Jessica has extensive knowledge of the construction industry and many years of experience managing projects varying in scope and size. Joining the BPS team a couple of years ago, Jessica has expanded her construction knowledge into the recreation side and has been able to efficiently manage the Installation Team at BPS to include subcontractors and internal staff.

Project Management

Overview
BPS believes that Project Management consists of four major factors: identifying and managing customer expectations, clear communication, and coordination with all parties, scheduling accurate and attainable milestones, and accountability.

Expectations
BPS believes in actively listening to the customer to understand the project entirely. These in-depth conversations allow for a design that truly embodies the customers' desires, budgets, and dreams! Honest up-front communication is invaluable to reducing stress, containing costs, avoiding disappointments, and ensuring the final proposal is precisely what the customer envisioned.

The list below, while not all encompassing, highlights some ways expectations are addressed and managed.

- Scope of Work - A detailed scope of work helps each party understand their responsibilities and expected project outcome.
- Completion Time Frame - BPS provides a detailed project schedule based upon projected start and end dates. Documenting milestones, deliveries, and critical path identifiers keeps all parties informed and focused on the ultimate end goal of a new playground area opening on time and without incident.
- Pavilion Design - Our customers deserve a design that is unique, cost-effective, and compliant.

Communication
Communication of all types is of the utmost importance to the success of any project. While each project is unique and will have its own requirements, the list below embodies some of the many ways BPS uses to communicate each phase of project development.

On Site Meetings
Both pre-bid meetings and site review meetings are geared toward gathering knowledge crucial to the successful design and installation of the area. A site

Communication cont'd

review can provide information not readily identified on paper (i.e., surrounding neighborhood aesthetics, access/egress requirements, potential utility lines, and overhead obstructions).

Construction meetings, when required by the project or warranted due to size and scope, help to facilitate coordination with other trades, ensuring scheduling milestones are on track and identify any potential issues to be immediately addressed.

BPS requires a final walk through of each job regardless of size and scope. The walk through allows us to interact with the customer and address the work that has been performed. During the walk through, the customer will be provided with any additional items per the contract (i.e., owner's kit, touch up paint, etc.) and will be required to sign off on the area as accepted.

Scheduling

Effective scheduling is one of the essential tools used to ensure the completion of each project. The parameters of each job dictate the amount of detail required for effective scheduling. Larger projects that span several weeks will require an in-depth look at milestones, interdependencies, resource allocation, simultaneous task completions, and coordination of deliveries to ensure the installation proceeds in the most efficient manner.

Accountability

While different individuals may be responsible for various aspects of project completion, at all stages our customers can expect their sales and management staff to be available and accountable for each milestone. The information below represents some of the more relevant areas and how they impact overall job satisfaction.

BPS understands that clearly identifying each site's unique characteristics and looking at the broader picture with regards to the site demographics, challenges, aesthetics, etc. helps to recognize and plan for solutions to any potential challenges. Utilities, access points, soil/digging conditions, etc. are easier to manage when they are noted on the front end of any project.

Project Management

Time

- Inter-dependency Recognition and Management of Tasks
- Allocation of 10% Over Expected Time Frame for Weather
- Local Sales and Installer for Quick Response

Cost

- Sales, Installation, and Management Review of Solution
- Turn Key Pricing with SOW Acknowledgment

Quality

- Punch List for Installation
- All Sites Are Inspected Prior to Commencement of Work

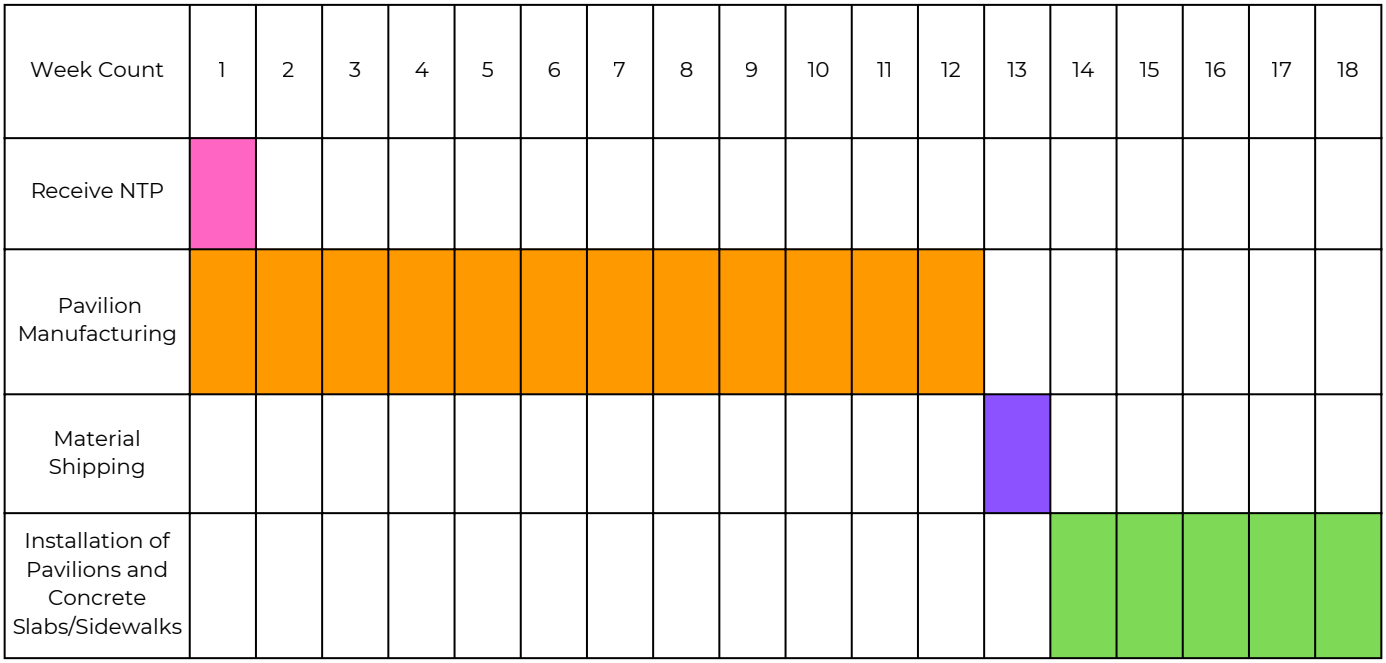
Safety

- OSHA Certified Team Members
- Job Specific Safety Plan Developed
- 0 Reported Safety Violations or Incidents within the State of FL

Install Timeline

Below is a general outline of what we expect the timeline to be for completion of a project this size. We have been very successful in managing the manufacturing and installations of small and large play/recreation projects in the past and will ensure this one will follow suit, with timeline completion and accurate installation. By continuously having open communication, the entire process will be seamless. Timelines are based on estimated completion times, weather permitting.

Engineering drawings from Cedar Forest will take about three weeks. Cedar Forest is currently working on a twelve-week lead time for manufacturing. Time for the permitting process is not included.



FL Pavilion References

Polk County
In 2023, we were awarded a bid for two pavilion replacements, one at Waverly Park and the other at Saddle Creek Park. Each project included 12' x 20' steel pavilion with picnic tables, costing $131,505 for each location.
Tracy Mullins
863-608-3545
tracymullins@polk-county.net

City of Ormond Beach
BPS was awarded a bid in 2023 to remove and dispose of an existing pavilion and replace it with a 24' x 36' low pitch beam shelter with a 29 gauge metal roof. The total cost of this project was $90,335.
Rob Hart
386-676-3223

City of Naples
In 2022, we quoted a new 20' hexagon steel shelter to the City of Naples, which was then purchased in 2023. We also completed the demolition and disposal of the existing structure, formed and poured new footers and concrete slab, and erected the new pavilion structure. This project was completed for a total of $77,340.
Travis Delashmet
239-213-7114
tdelashmet@naplesgov.com

City of Boca Raton
We were contracted to completely demolish an existing pavilion and replace it with a new 20' x 24' rectangular hip shelter with mega rib metal roofing. The new pavilion also came with a concrete pad and sidewalks. All work completed was for a total of $78,315.
Duane Dougherty
561-367-7064
ddougherty@myboca.us

City of Dunedin
In early 2020, we were awarded a bid to provide the City of Dunedin with one 24' x 24' and one 24' x 36' open timber truss shelters. Both came with standing seam metal roofs. The total for this project was $130,000.
Lanie Sheets
727-812-4529
lsheets@dunedinfl.net

Pavilion Pricing

Bliss Products and Services, Inc
6831 S. Sweetwater Rd.
Lithia Springs, GA 30122
(800) 248-2547
(770) 920-1915 Fax

Quote # **82236**

Sales Rep: Heather Smith
heather.smith@blissproducts.com
C: (727) 403-7849

City of Indian Harbour Beach

Date
09-01-2026

Project
Gleason Park Pool Awning Structure

Bill To
City of Indian Harbour Beach
2055 South Patrick Drive
Indian Harbour Beach, Florida 32937
T: (321) 773-3181

Ship To
City of Indian Harbour Beach
1233 Yacht Club Blvd
Indian Harbour Beach, Florida
32937

Contact
***

Approximate Ship Date

Ship Via

Terms
Net 30

Vendor	Part #	Description	Qty	Unit Price	Extended Price
BPF		All required permitting and associated fees. Permits are REQUIRED	1	$937.50	$937.50
BPF		Permitting Fees	1	$1,200.00	$1,200.00
CFS	RHS 2030	Rectangular Hip Shelter 20' x 30' with 8' Eave Price Includes: Roof pitch is 4:12, designed for a standard 30 PSF live load & 90 MPH wind speed Powder coated steel frame 24 ga. multi-rib metal roofing Zinc plated fasteners Tubular steel frame utilizes hidden bolts & fasteners where possible	1	$35,450.00	$35,450.00
CFS	Engineering	Engineering	1	$937.50	$937.50
INS		Demolition and complete removal of the existing structure. Proper protection and accommodation of existing pool equipment. Installation of Rectangular Hip Shelter: 20'x30' with 8' eave Roof pitch is 4:12, designed for a standard 30 PSF live load & 90 MPH wind speed. Powder coated steel frame 24Ga. multi-rib metal framing	1	$41,250.00	$41,250.00
Note:		The structural screws are hidden inside of the frame and need to be A325 grade. Cedar Forest Products prefers to avoid stainless steel because of the soft nature and how easy it is to gum up the threads.			

		Sub Total	$79,775.00
		Freight	6,375.00
Taxable Subtotal	$38,525.00	**Tax**	0.00
		Grand Total	$86,150.00

Proposed Pavilion Design

SCALE: NTS

Model # RHS2030

Design Criteria: Structure is typically designed for a 25 lb live load and a 90 mph wind load capacity, but can be designed based on specific site requirements upon request. All structural members are ASTM A-500 U.S. grade B steel. Welded connection plates shall be ASTM A-36 hot rolled steel. All fabrication performed to latest AISC standards by AWS Certified welders. All framing connections are done using A325 grade bolts within concealed access openings from above and will later be concealed by the roofing. All roof framing shall be flush against the roof decking to eliminate the possibility of bird nesting.

Tubular Steel Columns and Beams: Standard column dimension shall be 5" x 5" x 3/16" tubular steel welded to 5/8" base plates. Main support beams are 7" x 5" x 3/16" and purlins are 6" x 3" x 1/8 and 5" x 3" x 1/8". Steel sizes are preliminary and may change due to ongoing review and final engineering.

Roofing: 24 Ga. pre-cut steel Multi-Rib panels with Kynar 500 finish in a variety of colors with white underside. Standard roof slope is a 4/12 pitch with a eave height of 8'-0". Attached to structural frame with exposed screws painted to match roof color. Matching 24 Ga. trim included.

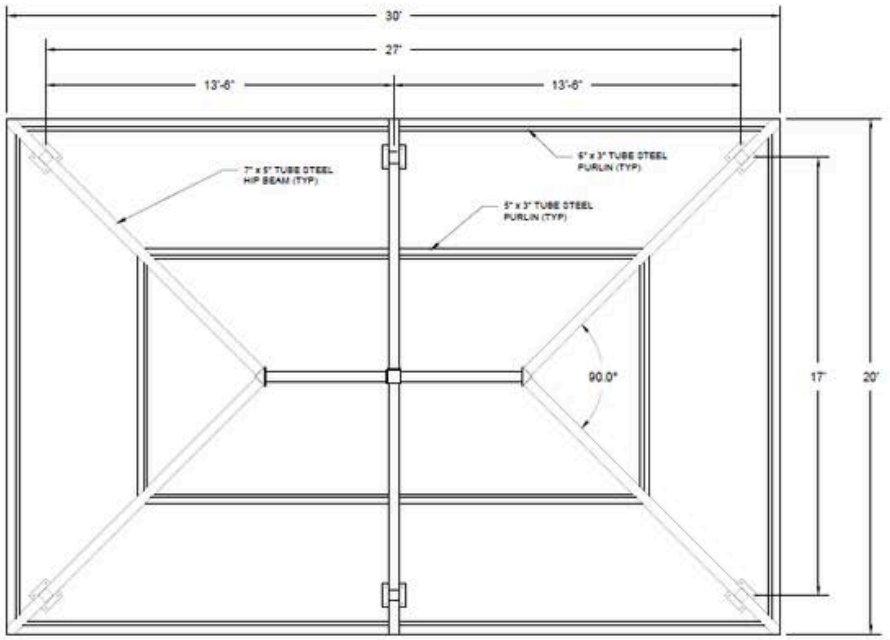
Frame Finish: All steel framework will receive a corrosion protective TGIC Polyester powder coat, electro-statically applied and cured at 400°F. A large selection of standard colors are available.

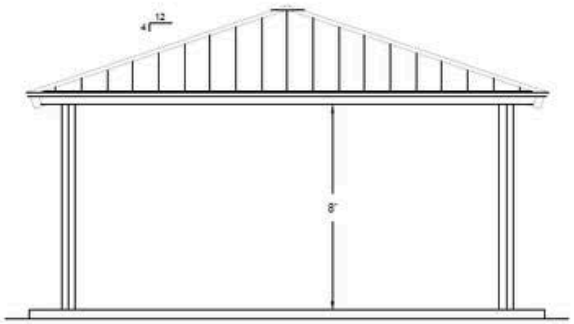
Foundation: All columns need to be anchored to concrete footings (footing design provided separately). Columns can be surface mounted with anchor bolts at or below finish slab elevation or they can be embedded directly into the footing. Anchor bolts and bracing templates included. Optional base plate covers are available at an additional cost.

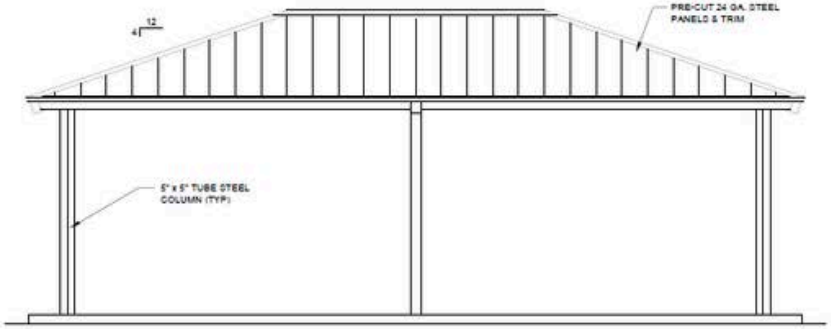
Hardware: All structural hardware and roofing fasteners shall be provided.

Warranty: 10 years against manufacturer defects.

Not Included: Concrete work of any kind, unloading of product and installation.







CFP
P.O. BOX 143
WEST OLIVE, MI 49460
800-552-9495
WWW.CEDARFORESTPRODUCTS.COM

PRELIMINARY
NOT FOR CONSTRUCTION

MODEL NUMBER: RHS2030 — SHOWN WITH STANDARD OPTIONS
DESCRIPTION: 20'x30' Rect Hip Shelter
Possible Options:
- 8/12 IDEAL ROOF
- IDEAL HIP ROOF
- TRANSITIONAL PROFILE ROOF
- STANDARD GABLE ROOF
- SPIRE COUPLER
- 2 SIDE ROOF
- OTHER ROOF PITCH
- OTHER

SHEET: 1 OF 1

BLISS PRODUCTS
everything under the sun

About Cedar Forest Products

For over 50 years, Cedar Forest Products (CFP) has been designing and creating pre-engineered structures for public and private parks, camps, and recreation facilities. Hundreds of standard designs allow flexibility and customization for any requirement or budget. CFP buildings are low maintenance, designed to perform and built to last.

CFP started as a lumber yard in western Illinois in 1964. Over the years, our products lines have expanded to include a large variety of products. Now, we are an industry leader offering pre-fabricated wood and steel shelters, band shells, restroom building, park & camp buildings, cabins, bridges, pergolas, site amenities, and more!

Own ownership team changed in 2016; Ben LaBarge and James Kuipers purchased CFP and moved it from western Illinois to western Michigan. Both Ben & James bring a unique combination of industry and business knowledge as well as professional experience to CFP. Their goal is to grow and expand CFP into new markets with great dealers and quality products. We are excited to see what the future of CFP holds! We hope you will be a part of our exciting future, too!



CFP Warranty

LIMITED WARRANTY

Cedar Forest Products warrants that the materials and structural parts will conform to the specifications and descriptions on drawings approved by the purchaser, for a period of ten years commencing on the date of the invoice for sale of the products. If, within the warranty period, any materials fail to conform to the specifications and descriptions, Cedar Forest Products will, upon being notified in writing promptly after discovery of the defect, repair the defective material or, at its sole option, replace the defective part or parts. Cedar Forest Products will deliver the repaired or replacement part or parts to the site free of charge, but is not responsible for providing labor or the cost of labor for the removal of the defective part or parts, and/or the installation of any replacement part or parts. Replaced parts are warranted for the balance of the original warranty period.

Cedar Forest Products shall not be liable for deterioration of any building components due to failure of finished coatings or weather proofing or building foundations and/or settlement, nor shall Cedar Forest Products be responsible for updating specifications to meet building codes, municipal ordinances, or special insurance requirements.

This warranty is valid only if the structures are erected in conformance with Cedar Forest Products' installation instructions and maintained according to proper maintenance procedures; have been subjected to only normal use for the purpose for which the goods were designed; have not been subjected to addition or substitution of parts; and have not been modified, altered, or repaired by persons other than Cedar Forest Products approved representatives in any respect which, in the judgment of Cedar Forest Products, affects the condition or operation of the structures.

This warranty does not apply to any damage or deterioration caused by abuse, vandalism, theft, fire or any acts of God, or failure to provide reasonable and necessary maintenance.

ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY EXCLUDED. CEDAR FOREST PRODUCTS SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.

Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

To make a claim under this warranty, please email Cedar Forest Products info@cedarforestproducts.com.

Cedar Forest Products
800.552.9495
www.cedarforestproducts.com

FY26 Contingency Tracker

	Additions	Deletions	
1-Oct-25	225,736		Beginning balance
8-Sep-25	36,402		Savings from property, workers' compensation, etc. renewal
23-Sep-25		19,880	Replacement of four doors at O&P Boat House
24-Sep-25	5,218		Savings from Police boat house replacement project
1-Oct-25	2,443		Savings from East side Gleason Park irrigation expansion project
8-Oct-25	2,557		Savings from Police radio replacement project
14-Oct-25	2,516		Savings from ASC westside multi-purpose pathway project
21-Oct-25		17,263	Overage for the cost to develop and transmit the annual stormwater report to the State
28-Oct-25	14,608		Savings from Police vehicle purchases
28-Oct-25		11,473	Overage for Police vehicle equipment purchases
24-Nov-25		19,500	Golf Cart study
3-Dec-25		3,000	RVI (Comp. Plan update) change order
22-Dec-25		19,486	ASC fence replacement
19-Feb-26		35,391	City Hall elevator repair
25-Feb-26		39,998	City Hall repairs
17-Mar-26		9,500	NEOGOV HR system
14-Apr-26	100,157		approximate saving from BCSO dispatch contracting
28-Apr-26		34,986	Replacement PW vehicle (not budgeted)
13-May-26		3,765	Website ADA compliance service
29-May-26		9,633	Replacement Pool cell stack
5-Jun-26		8,000	Annual milling and paving contract change order
5-Jun-26		1,056	ASC (westide paving) contract change order
15-Jun-26		14,150	Replacement of roll-up door at ASC
15-Jun-26		5,354	Yuma Sidewalk project C.O. #1 (increase cost of materials)
15-Jun-26		7,120	Yuma Sidewalk project C.O. #2 (demo and re-pour of driveway apron to ensure accessibility
24-Jun-26		17,157	Fire Dept. CAD related laptops and hardware for vehicles
15-Sep-26		44,700	Pool equipment cover replacement
	389,637	321,413	Sub-totals
		68,224	**Current Balance**

yellow indicates proposed, but not approved actions

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Award of contract for engineering and stormwater consulting continuing services (RFQ 2026-01) (action item)

Cost: N/A

Attachments: None

Staff Recommendation:

Consider awarding a continuing services contract to HR Green, Inc. for engineering and stormwater consulting services.

Background Information:

In accordance with Florida Statute 287.055, the "Consultants' Competitive Negotiation Act," the City invited, under RFQ #2025-01, which was advertised on June 11, 2026, licensed Florida professional engineering firms to present their qualifications pertaining to continuing a potential professional engineering and stormwater consulting services agreement.

A committee, comprised of John W. Coffey, ICMA-CM, City Manager; Dominic Hamilton, Chief Information Officer; and Hilarye Fuller, Communications Manager, was formed to review and evaluate the submittals received by the City. On July 24, 2026, the City received eight qualification statements.

After four evaluation committee meetings, the committee ranked the firms as follows:

283 HR Green

279 Applied Ecology

278 LJA Engineering (BSE)

264 Bowman

248 Baxter and Woodman

245 Dredging and Marine Consultants

251 Haley Ward

240 Gale Associates

(Maximum of 300 points)

On August 25, 2026, the City Council confirmed the rankings and authorized staff to negotiate a contract starting with the top-ranked firm. Staff reached a tentative agreement with HR Green, Inc. on September 9, 2026.

The reader should note that all services provided by HR Green will be based on pre-approved task orders with task orders costing over $40,000 being approved by the City Council.

The proposed agreement will be provided to the City Council and posted online prior to the meeting.

Staff recommends the City Council award a continuing services contract for engineering and stormwater consulting services to HR Green, Inc.

AGREEMENT TO PROVIDE CONTINUING ENGINEERING AND STORMWATER SERVICES FOR THE CITY OF INDIAN HARBOUR BEACH

THIS AGREEMENT is made and entered into this ____ day of September 2026, by and between HR Green, Inc. ("Consultant"), and the City of Indian Harbour Beach ("City"), a municipal corporation.

WHEREAS, the Consultant, founded in 1913, is one of the nation's longest enduring engineering firms and partnered with public sector agencies to deliver comprehensive engineering, stormwater, planning, and management solutions; and

WHEREAS, HR Green has a dedicated multidisciplinary team located in their Melbourne office to support local clients; and

WHEREAS, the Consultant has successfully designed and provided construction management services for the Atlantic stormwater project, Alhambra stormwater project, city hall baffle box, and is currently working on the Algonquin Sports Complex baffle box design and conducting a small basin drainage study of the School Road area; and

WHEREAS, the City desires a continuing service contract with a firm for engineering, stormwater, regulatory reporting services, and capital improvement planning assistance; and

WHEREAS, the Consultant submitted a statement of qualifications (see Exhibit C) in response to the City's request for qualifications regarding the engineer and stormwater continuing services contract (see Exhibit B); and

WHEREAS, the Consultant received the top ranking of eight firms responding to the request for qualifications; and

WHEREAS, the Consultant is knowledgeable in its field and that any services performed by the Consultant under this agreement will be performed in compliance with generally accepted engineering standards as may reasonably be expected from a professional contracting firm in fields and circumstances.

NOW THEREFORE, in consideration of the mutual and respective promises, and subject to the terms and conditions hereinafter set forth, the parties agree as follows:

1. SCOPE OF SERVICES

On an as-needed basis, and at the City's sole discretion, the Consultant shall perform engineering and/or stormwater services as authorized by the City Manager or designee. Including but not limited to the following:

a. Design and construction management services
b. Stormwater project planning
c. Grant applications assistance
d. NPDES/MS-4 reporting
e. BMAP/STAR reporting
f. GIS advisory/technical support

2. COMPENSATION

A. The City neither warrants nor guarantees any minimum compensation to the Consultant under this Agreement. The Consultant shall be paid only for actual services performed under this Agreement via approved written task orders and/or rates and charges identified in Exhibit A.

B. Rates contained within Exhibit A may be updated upon the extension of this agreement with the written approval of both parties.

C. Payment by the City shall be pursuant to the Florida Prompt Pay Act following receipt of the proper invoice evidencing work performed, subject to the City's accounting procedures.

3. TERM

This agreement shall commence on the date first written above and terminate on August 31, 2030. The term of this agreement may be extended for two 4-year periods by a mutual written agreement between both parties.

4. INDEPENDENT CONSULTANT

The Consultant shall, during the entire term of this Agreement, be construed to be an independent Consultant and not an employee of the City. This Agreement is not intended nor shall it be construed to create an employer-employee relationship, a joint venture relationship, or to allow the City to exercise discretion or control over the professional manner in which the Consultant performs the services which are the subject matter of this Agreement; however, the services to be provided by Consultant shall be provided in a manner consistent with all applicable standards and regulations governing such services. The Consultant shall pay all salaries and wages, employer's social security taxes, unemployment insurance and similar taxes relating to employees and shall be responsible for all applicable withholding taxes.

5. OWNERSHIP OF MATERIALS

This Agreement creates a non-exclusive and perpetual license for City to copy, use, modify, reuse, or sublicense any and all copyrights, designs, and other intellectual property embodied in plans, specifications, studies, drawings, estimates, and other documents or works of authorship fixed in any tangible medium of expression, including but not limited to, physical drawings or data magnetically or otherwise recorded on computer diskettes, which are prepared or caused to be prepared by the Consultant under this Agreement ("Documents & Data"). The Consultant shall require all sub-consultants to agree in writing that City is granted a non-exclusive and perpetual license for any Documents & Data the sub-consultant prepares under this Agreement. The Consultant represents and warrants that the Consultant has the legal right to license any and all Documents & Data. The Consultant makes no such representation and warranty in regard to Documents & Data which were provided to the Consultant by the City. The City shall not be limited in any way in its use of the Documents and Data at any time, provided that any such use not within the purposes intended by this Agreement shall be at the City's sole risk and the City agrees to waive all Claims against the Consultant arising out of such misuse.

6. INSURANCE

The Consultant shall be required to provide evidence of both General (Public and Property) Liability and Professional (Design Errors and Omissions) Liability Insurance in the form of a certificate of insurance issued on behalf of the City of Indian Harbour Beach by companies acceptable to the City at the following minimum limits and coverages with deductible amounts acceptable to the City:

a. Comprehensive General Liability Insurance: $1,000,000.00 (The City of Indian Harbour Beach is to be named as an additional insured).
b. Professional Liability Insurance: $1,000,000.00 (Design Errors and Omission).

The Consultant shall not commence any work in connection with an agreement until all of the following types of insurance have been obtained and such insurance has been approved by the City, nor shall the Consultant allow any sub-consultant to commence work on a subcontract until all similar insurance required of the sub-consultant has been so obtained and approved. Policies other

than Workers' Compensation shall be issued only by companies authorized by subsisting certificates of authority issued to the companies by the Department of Insurance of Florida which maintain a Best's Rating of "A" or better and a Financial Size Category of "VII" or better according to the A.M. Best Company. Policies for Workers' Compensation may be issued by companies authorized as a group self-insurer by F.S. 440-57, Florida Statutes.

Loss Deductible Clause

The City shall be exempt from, and in no way liable for, any sums of money that may represent a deductible in any insurance policy. The payment of such deductible shall be the sole responsibility of the general Consultant and/or sub-consultant providing such insurance.

Workers' Compensation Insurance

The Consultant shall provide proof of exemptions from Florida's Workers' Compensation insurance coverage under Florida Law. If the Consultant at any time during the term of this agreement is no longer eligible for this exemption, the Consultant shall obtain during the life of the agreement Workers' Compensation Insurance with Employer's Liability Limits of $500,000/$500,000/$500,000 for all the Consultant's employees connected with the work of this project and, in the event any work is sublet, the Consultant shall require the sub-consultant similarly to provide Workers' Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by the Consultant. Such insurance shall comply fully with the Florida Workers' Compensation Law. In case any class of employees engaged in hazardous work under this contract for the City is not protected under the Workers' Compensation statute, the Consultant shall provide, and cause each sub-consultant to provide adequate insurance, satisfactory to the City, for the protection of the Consultant's employees not otherwise protected. Include Waiver of Subrogation in favor of the City of Indian Harbour Beach.

Consultant's Public Liability and Property Damage Insurance

The Consultant shall obtain commercial automobile coverage during the life of the agreement. This policy should name the City of Indian Harbour Beach as an additional insured, and shall protect the Consultant from claims for damage for personal injury, including accidental death, as well as claims for property damages that may arise from operations under this agreement whether such operations be by the Consultant or by anyone directly or indirectly employed by the Consultant.

CERTIFICATE OF INSURANCE

A certificate of insurance form, naming the City of Indian Harbour Beach as an additional insured, will be furnished by the Consultant upon notice of award. These shall be completed by the authorized resident agent and returned to the buyer's office. The certificate shall be dated and show the following: the name of the insured Consultant; the specific job by name and job number; the name of the insurer; the policy number; its effective date; and its termination date.

Statement that the insurer shall mail notice to the owner at least thirty (30) days prior to any cancellation or non-renewal of the policy with the exception of a ten (10) day notice for non-payment of premiums. Independent of the insurer's notice, Consultant shall be obligated to provide written notice of any material reductions in the coverages described and required in this Agreement upon receipt of notice from Consultant's insurance carrier".

7. **INDEMNIFICATION**

Notwithstanding any clause or provision in this Agreement or any other applicable Agreement to the contrary, Consultant's only obligation with regard to indemnification shall be to indemnify, but not defend, the Client, its clients, committee and board members, officers, directors, and employees from and against damages arising out of third-party claims that Client is legally

obligated to pay as a result of death or bodily injury to any person or the destruction or damage to any property, to the extent caused by the negligent act, error or omission of the Architect or anyone for whom the consultant is legally responsible, subject to any limitations of liability contained elsewhere in this Agreement.

8. **INTELLECTUAL PROPERTY INDEMNIFICATION**

The Consultant shall defend, indemnify, and hold harmless the City, its officers, agents, representatives, and employees against any and all liability, including costs and attorney's fees, for infringement of any United States letters patent, trademark, or copyright contained in the work product or documents provided by Consultant to the City pursuant to this Agreement.

9. **RECORDS**

The Consultant shall keep records and invoices in connection with the work performed under this Agreement. The Consultant shall maintain complete and accurate records with respect to the costs incurred under this Agreement and any services, expenditures, and disbursements charged to the City for a minimum period of three (3) years, or for any longer period required by law, from the date of final payment to the Consultant under this agreement. All such records and invoices shall be clearly identifiable. The Consultant shall allow a representative of the City to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement during regular business hours. The Consultant shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement for the period of three (3) years from the date of the final payment to the Consultant under this Agreement.

10. **NOTICE**

Any notice, tender, demand, delivery, or other communication pursuant to this Agreement shall be in writing and shall be deemed to be properly given if delivered in person or mailed by first class or certified mail, postage prepaid, or sent by fax or other telegraphic communication in the manner provided in this Section, to the following persons:

To City:
John W. Coffey, ICMA-CM
City Manager
City of Indian Harbour Beach
2055 South Patrick Drive
Indian Harbour Beach, FL. 32937

To Consultant:
Ajay Jain, PE
HR Green, Inc.
7175 Murrell Road
Melbourne, FL. 32940

11. **ASSIGNMENT**

Inasmuch as this Agreement is intended to secure the specialized services of Consultant, Consultant may not assign, transfer, delegate, or subcontract any interest herein without the prior written consent of the City and any such assignment, transfer, delegation or subcontract without the City's prior written consent shall be considered null and void, nothing in this Agreement shall be construed to limit the City's ability to have any of the services which are the subject to this Agreement performed by City personnel or by other consultants retained by the City.

12. **WAIVER**

No waiver of breach, failure of any condition, or any right or remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the party waiving the breach, failure, right or remedy. No waiver of any breach, failure or right, or remedy shall

be deemed a waiver of any other breach, failure, right or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.

13. **TERMINATION**

This Agreement may be terminated by either the City or the Consultant upon thirty (30) days' written notice of termination. In such an event, the Consultant shall be entitled to receive, and the City shall pay the Consultant compensation for all services performed by the Consultant prior to receipt of such notice of termination, subject to the following conditions:

A. As a condition of such payment, the City Manager may require Consultant to deliver to the City all work product completed as of such date, and in such case, such work product shall be the property of the City unless prohibited by law, and Consultant consents to the City's use thereof for such purposes as the City deems appropriate.

B. Payment need not be made for work which fails to meet the professional standard of performance specified in the Recitals of this Agreement.

15. **NON-DISCRIMINATION**

Consultant shall not discriminate because of race, color, creed, religion, sex, marital status, sexual orientation, age, national origin, ancestry, or disability, as defined and prohibited by applicable law, in the recruitment, selection, training, utilization, promotion, termination, or other employment-related activities or in connection with any activities under this Agreement. The Consultant affirms that it is an equal opportunity employer and shall comply with all applicable federal, state, and local laws and regulations.

16. **JURISDICTION-VENUE**

This Agreement has been executed and delivered in the State of Florida, and the validity, interpretation, performance, and enforcement of any of the clauses of this Agreement shall be determined and governed by the laws of the State of Florida. Both parties further agree that Brevard County, Florida, shall be the venue for any action or proceeding that may be brought or arise out of, in connection with, or by reason of this Agreement.

17. **PROFESSIONAL LICENSES**

The Consultant shall, throughout the term of this Agreement, maintain all applicable licenses, permits, approvals, waivers, and exemptions required by the laws and regulations of the United States and the State for the provision of the services hereunder of Florida, the City of Indian Harbour Beach, and all other governmental agencies. The Consultant shall promptly and in writing notify the City of its inability to obtain or maintain such permits, licenses, approvals, waivers, and exemptions. Said inability shall be cause for termination of this Agreement.

18. **FLORIDA LAW GOVERNS**

This contract shall be governed by and construed in accordance with the internal laws of the State of Florida.

19. **PUBLIC RECORDS**

In accordance with Florida Statutes 119.0701, the Consultant shall comply with Florida's public records laws, and other laws and regulations, specifically to:

a. Keep and maintain public records required by the City to perform the service and meet all applicable requirements for retaining public records.
b. Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.

c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law or regulations, for the duration of the contract term and following completion of the contract if the Consultant does not transfer the records to the City.
d. Upon completion of the contract, transfer, if requested by the City at no cost to the City, all public records in possession of the Consultant to the City. If the Consultant transfers all public records upon termination of this agreement to the City, the Consultant shall destroy any duplicate public records that are exempt or confidential, and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format compatible with the City's information technology systems.
e. Failure of the Consultant to comply with a public records request and this paragraph shall be a breach of this agreement, and if the Consultant fails to cure said breach within 5 business days of receipt of notice from the City, notwithstanding anything to the contrary contained in this agreement, the City may terminate this agreement and be relieved of all obligations hereunder. The Consultant shall also be obligated to reimburse the City any damages incurred or assessed against the City, including attorney's fees and costs, as a result of the Consultant's failure to comply with Florida's public records laws.

IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, THE CONSULTANT SHALL CONTACT THE CITY'S CUSTODIAN OF PUBLIC RECORDS (CURRENTLY NICOLE GOLD, CITY CLERK) AT 321-773-3181 OR AT EMAIL: NGOLD@INDIANHARBOURBEACH.GOV OR AT ADDRESS: 2055 SOUTH PATRICK DRIVE, INDIAN HARBOUR BEACH, FLORIDA, 32937, (ATTENTION: RECORDS).

IN WITNESS WHEREOF, each of the respective parties has executed this contract effective on the date indicated above.

CITY OF INDIAN HARBOUR BEACH

_____
John W. Coffey, ICMA-CM, City Manager

ATTEST:

_____
Nicole Gold, City Clerk

APPROVED AS TO FORM

_____
Karl W. Bohne Jr., City Attorney

CONSULTANT

_____
Ajay Jain, PE
HR Green, Inc.

Exhibit A

HR GREEN
Billing Rate Schedule
Effective January 1, 2026

Professional Services	Billing Rate Range
Principal	$250.00 - $400.00
Senior Professional	$265.00 - $400.00
Professional	$180.00 - $265.00
Junior Professional	$110.00 - $185.00
Senior Technician	$145.00 - $205.00
Technician	$95.00 - $160.00
Senior Field Personnel	$165.00 - $240.00
Field Personnel	$125.00 - $185.00
Junior Field Personnel	$90.00 - $135.00
Senior Administrative	$135.00 - $180.00
Administrative	$50.00 - $135.00
Operators/Interns	$65.00 - $165.00

Reimbursable Expenses

1. All materials and supplies used in the performance of work on this project will be billed at cost plus 10%.
2. Auto mileage will be charged per the standard mileage reimbursement rate established by the Internal Revenue Service. Survey and construction vehicle mileage will be charged based on $0.90 per mile or $95.00 per day.
3. Charges for sub-consultants will be billed at their invoice cost plus 15%.
4. A rate of $6.00 will be charged per HR Green labor hour for a technology and communication fee.
5. All other direct expenses will be invoices at cost plus 10%.

REQUEST FOR QUALIFICATIONS (RFQ)

CONTRACT FOR
Continuing Professional Engineering and Stormwater Consulting Services

PURSUANT TO THE 'CONSULTANTS COMPETITIVE NEGOTIATIONS ACT' (CCNA), FLORIDA STATUTE 287.055, THE CITY OF INDIAN HARBOUR BEACH HEREBY INVITES INTERESTED FLORIDA LICENSED PROFESSIONAL ENGINEERS TO PRESENT THEIR STATEMENT OF QUALIFICATIONS (SOQ) PERTAINING TO CONTINUING PROFESSIONAL ENGINEERING AND STORMWATER CONSULTING SERVICES.

Statements of Qualifications will be accepted at City Hall by the City Clerk's Office, 2055 South Patrick Drive, Indian Harbour Beach, Florida 32937, until 2 P.M. on Friday, July 24, 2026.

Sealed envelopes are to be marked as follows:

RFQ: 2026-01
TITLE: Continuing Professional Engineering and Stormwater Consulting Services

Publication Date: June 11, 2026. Due Date: July 24 @ 2:00 P.M.
Statement of Qualifications will be opened on Monday, July 27, 2026, at 10:00 A.M.

Qualified Firms interested in responding to this Request for Qualifications may request a copy of this RFQ from the City Clerk's Office at ngold@indianharbourbeach.gov or 321.773.3181.

Firms interested in submitting a response to this RFQ agree not to contact (lobby) City Council Members or any employee or agent of the City at any time during the solicitation period and selection process.

Questions concerning this RFQ should be directed to Nikki Gold, City Clerk, at ngold@indianharbourbeach.gov. Any other contact with the owner will be considered inappropriate and may result in your response being rejected or disqualified.

There is no pre-proposal conference with this solicitation.

Any Statement of Qualifications received after the deadline will not be considered.

I. Introduction

1. In accordance with the 40 USC Title 1101-1104 (Brooks Act) and the "Consultants Competitive Negotiation Act" (F.S. 287.055), the City of Indian Harbour Beach Finance Department (hereinafter, "City") has issued this Request for Qualifications (hereinafter, "RFQ") with the sole purpose and intent of obtaining qualifications from interested and qualified firms offering to provide non-exclusive CONTINUING PROFESSIONAL ENGINEERING AND STORMWATER CONSULTING SERVICES following the specifications stated and/or attached herein/hereto. The successful Respondent will hereinafter be referred to as the "Professional Consultant" or "Contractor".
2. If awarded, a contract to provide these services will be effective immediately upon approval by the City of Indian Harbour Beach, City Council (hereinafter, the "Council"), signed by all required parties, and filed with the City Clerk.
3. It is anticipated that one firm will be awarded a basic non-exclusive agreement to provide the necessary services for an initial period of three (3) years. At the option of the parties, this Agreement may be renewed for two (2) additional three (3) year terms.
4. Authorization for the performance of services by the selected firm(s) under the master services agreement (MSA) shall be in the form of written task assignments signed by the firm, executed, and issued by the City. Each project shall be negotiated when the scope of work is developed. Each task assignment shall describe the services required, state the commencement and completion date of work, and establish the amount and method of payment. The task assignment will be issued and incorporate the terms of a work order or any other similar arrangement agreed upon by the City and the consulting firm. The City makes no covenant or promise as to the number of available projects or that the firm will perform any project for the City during the life of the MSA.
5. In this RFQ, an award, if made, will be made to the best overall Respondent whose Statement of Qualifications (SOQ) is most advantageous to the City, taking into consideration the evaluation factors outlined in this RFQ. The City will not use any other factors or criteria in evaluating the submittals received.
6. **Pursuant to Section 287.055(4)(b), no information related to compensation should be submitted with the qualifications.**

II. SCOPE OF WORK

7. <u>General Description of Specifications</u>

   The City of Indian Harbour Beach seeks to establish a Master Service Agreement (MSA) for a qualified firm to provide Professional Engineering Services as further described in this document. The firm awarded the MSA shall be paid a lump sum fee based on an approved Scope of Services.

   The firm awarded this contract must meet or exceed all terms, conditions, and specifications of the City

of Indian Harbour Beach. The successful Respondent will hereinafter be referred to as the "Contractor".

8. Eligibility

   Respondents must be licensed to work in the State of Florida.

9. General Description of Specifications

   The objective of this solicitation is to obtain the services of a consultant with the capability to provide a variety of professional services. The City reserves the right to utilize other engineering consultants from time to time.

   The selected firm(s) will be responsible for reviewing existing City of Indian Harbour Beach Codes, Resolutions/Ordinances, and all applicable State of Florida Codes, as well as incorporating the information into complete construction documents, including final construction plans (working drawings), technical specifications, construction estimates, and related bid documents necessary for the bidding and construction of projects. The City reserves the right to utilize the firm as design/inspect or inspection service only.

10. Minimum Qualifications

    A. The selected firms shall be registered engineering firms licensed with the State of Florida. All professional services shall be performed under the direction of a professional registered with the State of Florida and qualified in the specific field (i.e., Professional Engineer [PE], etc.);

    B. The firm or team shall be licensed following Florida Statutes, Chapter 287(h);

    a. The selected firms must be able to provide proof of stable financial stability within the past three (3) years;

    C. Team Project Manager must be licensed in the State of Florida as a Professional Engineer or Professional Architect or AICP, have a minimum of seven (7) years' experience in architectural, engineering, planning, marine, or landscape architectural services, and have served as project manager/construction manager on similar projects on a minimum of three (3) previous occasions;

    D. Team Members and sub-consultants must be licensed in the State of Florida, have a minimum of three (3) years' experience in providing architectural, engineering, planning, marine services, or landscape architectural services, and be a Leadership in Energy and Environmental Design (LEED) accredited professional.

       The Professional Consultant will normally perform all work at an off-site location (not in the City's offices). The Professional Consultant will be required to provide their own equipment.

       The City and the firm(s) shall negotiate project terms per Florida Statute 287.055. A purchase order or similar document will be issued for each project. Any professional services not listed below will be for projects that do not exceed $2,000,000 in basic construction costs or $200,000 for professional services, according to Florida Statute 287.055.

III. Scope of Services

11. The City of Indian Harbour Beach (“City”) according to the "Consultants' Competitive Negotiation Act" (CCNA), Section 287.055, Florida Statutes, which governs the acquisition of professional engineering, landscape, architectural, and surveying and mapping services, and as may be amended, hereby requests Qualification and Performance Data from Professional Consultants practicing in the following types of work categories: (Firms do not have to have each discipline on staff and may utilize a team approach for general and specific projects. However, the licensed Professional Consultant shall be an employee of the prime firm.)

    A. General civil engineering design, specification preparation, and bidding assistance.

    B. Surveying, mapping, and plat review/certification.

    C. Capital Projects planning/design.

    D. Planning, Studies, and Capital Improvement Support. Stormwater basin studies, flooding assessments, feasibility analyses, capital improvement planning, and grant application technical support.

    E. Evaluation and design of stormwater systems influenced by tidal backwater, shallow groundwater, king tides, and coastal storm events, including nuisance flooding mitigation and resilient infrastructure solutions.

    F. Indian River Lagoon Protection and Water Quality. Design and evaluation of stormwater treatment and retrofit projects that reduce pollutant loading to the Indian River Lagoon and support MS4, TMDL, and BMAP objectives.

    G. Engineering Design and Construction Documents. Preparation of plans, specifications, bid documents, and the engineer’s opinions of probable construction cost.

    H. Permitting and Regulatory Coordination. Environmental permitting and coordination with FDEP, SJRWMD, USACE, Brevard County, and City agencies.

    I. Construction Phase Services. Construction Engineering and Inspection (CEI), shop drawing review, progress reporting, change order evaluation, and project closeout support.

    J. Emergency and Post-Storm Support. Emergency response, damage assessments, repair recommendations, and disaster recovery documentation support.

IV. GENERAL INFORMATION

12. The City of Indian Harbour Beach is a fully built-out coastal municipality located on a narrow barrier island between the Atlantic Ocean and the Indian River Lagoon in Brevard County, Florida. The City encompasses approximately 2.1 square miles and serves a residential population of roughly 9,000 residents.

13. The City’s infrastructure systems are situated within a low-lying coastal environment characterized by shallow groundwater tables, tidal backwater influences, limited drainage gradients, and constrained public rights-of-way. These physical conditions present unique challenges for the planning, design, and implementation of public infrastructure improvements.

14. Protection of the Indian River Lagoon, designated as an Outstanding Florida Water, is a critical consideration in all municipal infrastructure projects. As a result, the City places a strong emphasis on resilient, environmentally responsible solutions that support regulatory compliance, long-term system performance, and the preservation of sensitive coastal and lagoonal resources.

15. The City desires to shift to a more proactive planning, design, and project execution approach to stormwater management and capital improvements as opposed to the historic "next-year" budgeting and project execution approach common in small cities.

16. The anticipated schedule of activities related to this RFQ is as follows:

Step	Action	Revised Dates
1	RFP advertisement in the *Florida Today*	Thursday, June 11, 2026
2	Last day for questions	Thursday, July 16, 2026
3	Sealed proposals submittal deadline	Friday, July 24, 2026 at 2:00 p.m.
4	Opening of proposals	Monday, July 27 , 2026, at 10:00 a.m.
5	Follow-up evaluation committee meeting (oral interviews, if needed)	Tuesday, August 4, 2026, at 1:00 p.m.
6	City Council consideration of ranking of Qualification Statements	Tuesday, August 11, 2026 at 7:00 p.m.
7	Development of a draft contract	Aug. 12, 2026 - Sept. 3, 2026
8	City Council consideration of award of contract	Wednesday, September 23, 2026, at 7:00 p.m.

Dates are estimated and subject to change at the City's discretion.

17. The City intends to award a contract to one (1) qualified engineering firm to perform the required services based on the established criteria detailed in this document.

18. SOQs will be opened at a public meeting in the Council Chamber in the presence of City officials at the above address at the stated time and date.

19. The person signing the signature sheet on behalf of the respondent must have the legal authority to bind the respondent to the submitted qualification package and shall be understood to do so. All expenses incurred by the respondent in providing qualification packages to the City shall be borne by the respondent.

20. SOQs shall be submitted in one sealed package with one (1) signed original and one (1) electronic copy on a USB FLASH DRIVE as an Adobe PDF file, version 5 or later.

21. The City reserves the right to accept or reject any or all proposals, to waive formalities, technicalities, or irregularities, to request clarification of information submitted in any proposal, or to re-advertise for new proposals.

22. The City reserves the right to award the contract to the Respondent that, in the City's sole discretion, is the most responsive and responsible Respondent. The City reserves the right, as

an aid in determining which proposal is responsible, to require a Respondent to submit such additional evidence of the Respondent's qualifications as the City may deem necessary, and may consider any evidence available to the City of the financial, technical, and other qualifications and abilities of a Respondent, including past performance (experience) with the City and others. The City Council shall be the final authority in selecting any proposals.

23. CONVICTED VENDOR LIST (PUBLIC ENTITY CRIME): A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on an award to provide any goods or services to a public entity, may not submit a proposal on an award with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to a public entity, may not be awarded or perform work as a Consultant, Supplier, Sub-consultant, or Consultant under an award with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in section 287.017 for Category Two for a period of 36 months from the date of being placed on the convicted vendor list. [See Florida State Statute 287.133 (2) (a)]

24. FLORIDA PUBLIC RECORDS LAW: In accordance with Chapter 119 of the Florida Statutes, and, except as may be provided by Chapter 119 of the Florida Statutes and other applicable State and Federal Laws, all Respondents should be aware that the proposal and the responses thereto are in the public domain and are available for public inspection. Respondents are requested, however, to identify specifically any information contained in their proposal that they consider confidential and/or proprietary and that they believe to be exempt from disclosure, citing specifically the applicable exempting law. All proposals received in response to this request for proposal become the property of the City of Indian Harbour Beach and will not be returned. Additionally, firms awarded this contract shall specifically:
    a. Keep and maintain public records required by the public agency to perform the service.
    b. Upon request from the public agency's custodian of public records, provide the public agency with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
    c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the consultant does not transfer the records to the public agency.
    d. Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of the consultant or keep and maintain public records required by the public agency to perform the service. If the consultant transfers all public records to the public agency upon completion of the contract, the consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the consultant keeps and maintains public records, the consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the public agency upon request from the public agency's custodian of public records, in a format compatible with the public agency's information technology systems.

IF CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, THE CONSULTANT SHALL CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 321.773.3181 OR EMAIL: NGOLD@INDIANHARBOURBEACH.GOV, 2055 SOUTH PATRICK DRIVE, INDIAN HARBOUR BEACH, FL. 32937 (ATTENTION: RECORDS).

Under Florida Law, the above statement must be included in any executed contract.

25. PATENT INDEMNITY: Except as otherwise provided, the successful respondent agrees to indemnify the City and its officers, agents, and employees against liability, including costs and expenses for infringement upon any letters patent of the United States arising out of the performance of this Contract or out of the use or disposal by or for the account of the City or supplies furnished or construction work performed hereunder, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Respondent and persons employed or utilized by the Respondent in the performance of the construction contract.

26. Further, the Respondent shall fully indemnify, defend, and hold harmless the City and its officers, agents, and employees from any suits, actions, damages, and costs of every name and description, including attorneys' fees, arising from or relating to violation or infringement of a trademark, copyright, patent, trade secret, unpatented invention, or intellectual property right. If the bidder uses any design, or materials covered by letters, patents, or copyrights, it is mutually agreed and understood that the bid price shall include all royalties or costs arising from the use of such design, device, or materials.

27. Submit a copy of your firm's current professional registration certificate and a copy of your firm's Florida Corporate Charter as required by the Department of State to operate in Florida.

28. Conflict of Interest/Non-Collusion:
    The Respondent declares by submission of a qualification package that the only persons, or parties interested in their bid are those named herein, that this bid is, in all respects, fair and without fraud and that it is made without collusion with any other vendor or official of the City of Indian Harbour Beach. Neither the Affiant nor the above-named entity has directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive pricing in connection with the entity's submittal for the above project. This statement restricts the discussion of pricing data until the completion of negotiations and execution of the Agreement for this project.

    The Respondent declares by submission of a qualification package that no City Council member, other City Official, or City employee directly or indirectly owns assets or capital stock of the bidding entity, nor will directly or indirectly benefit by the profits or emoluments of this proposal. (For purposes of this paragraph, indirect ownership or benefit does not include ownership or benefit by a spouse or minor child.)

The Respondent declares by submission of a qualification package that no member of the entity's ownership or management is presently applying for an employee position or actively seeking an elected position with the City. In the event that a conflict of interest is identified in the provision of services, the Respondent agrees to notify the City in writing immediately.

The Respondent further declares by submission of a qualification package that a careful examination of the scope of services, instructions, and terms and conditions of this bid has occurred, and that the bid is made according to the provisions of the bid documents, and will meet or exceed the scope of services, requirements, and standards therein contained.

29. Respondent declares by submission of a qualification package to abide by all conditions of the negotiation process. In conducting negotiations with the City, Respondent offers and agrees that if this negotiation is accepted, the Respondent will convey, sell, assign, or transfer to the City all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Respondent. The submission constitutes a firm and binding offer by the Respondent to perform the services as stated.

30. INSURANCE REQUIREMENTS

    Certificates of Insurance – Certificates of insurance evidencing the Insurance coverage specified in this section shall be provided to the City before operations begin. The required certificates of insurance shall name the types of policies provided. If the initial insurance expires before the completion of the work, renewal certificates of insurance and required copies of the policies shall be furnished thirty (30) days before the expiration date. All insurance carriers shall be rated (A) or better by the most recently published A.M. Best Rating Guide. The City may request a copy of the insurance policy according to the nature of the project. City reserves the right to accept or reject the insurance carrier.

    The consultant shall be required to provide evidence of both General (Public & Property) Liability and Professional (Design Errors and Omissions) Liability Insurance in the form of a certificate of insurance issued on behalf of the City of Indian Harbour Beach and naming the City as an additional insured, by companies acceptable to the City at the minimum limits and coverages listed below with deductible amounts acceptable to the City. The selected consultant shall not commence any work in connection with an Agreement until all of the following types of insurance have been obtained and the City has approved such insurance, nor shall the consultant allow any sub-consultant to commence work on a subcontract until all similar insurance required of the sub-consultant has been so obtained and approved. Policies other than Workers' Compensation shall be issued only by companies authorized by subsisting certificates of authority issued to the companies by the Department of Insurance of Florida, which maintain a Best's Rating of "A" or better and a Financial Size Category of "VII" or better according to the A.M. Best Company. Policies for Workers' Compensation may be issued by companies authorized as a group self-insurer by F.S. 440.57, Florida Statutes.

a. Loss Deductible Clause: The City shall be exempt from, and in no way liable for, any sums of money which may represent a deductible in any insurance policy. The payment of such deductible shall be the sole responsibility of the Consultant and/or sub-consultant.
b. Workers' Compensation Insurance: The Consultant shall obtain during the life of this Agreement, Workers' Compensation Insurance with Employer's Liability Limits of $500,000/$500,000/$500,000 for all the Consultant's employees connected with the work of this project, and, in the event any work is sublet, the Consultant shall require the sub-consultant similarly to provide Workers' Compensation Insurance for all of the latter's employees unless the protection afforded by the Consultant covers such employees. Such insurance shall comply fully with the Florida Workers' Compensation Law. In case any class of employees engaged in hazardous work under this contract for the City is not protected under the Workers' Compensation statute, the Consultant shall provide, and cause each sub-consultant to provide adequate insurance, satisfactory to the City, for the protection of the Consultant's employees not otherwise protected. Include Waiver of Subrogation in favor of the City of Indian Harbour Beach.
c. Consultant's Public Liability and Property Damage Insurance: The Consultant shall obtain during the life of this Agreement COMMERCIAL AUTOMOBILE COVERAGE, this policy should name the City of Indian Harbour Beach as an additional insured, and shall protect the Consultant and the City from claims for damage for personal injury, including accidental death, as well as claims for property damages which may arise from operations under this Agreement whether such operations be by the Consultant or by anyone directly or indirectly employed by the Consultant, and the amounts of such insurance shall be the minimum limits as follows:
d. Automobile Bodily Injury Liability & Property Damage Liability
    - $1,000,000 Combined single limit per occurrence (each person, each accident)
    - Liability coverage will include hired & non-owned automobile liability
    - Include Waiver of Subrogation in favor of The City of Indian Harbour Beach
e. Comprehensive General Liability (Occurrence Form) - This policy should name the City of Indian Harbour Beach as an additional insured and should indicate that the insurance of the Consultant is primary and non-contributory.
    - $2,000,000 GENERAL AGGREGATE
    - $2,000,000 PRODUCTS-COMPLETED OPERATIONS AGGREGATE
    - $1,000,000 PER OCCURRENCE
    - $1,000,000 PERSONAL & ADVERTISING INJURY
    - Include Waiver of Subrogation in favor of the City of Indian Harbour Beach
f. Sub-consultant's Comprehensive General Liability, Automobile Liability and Worker's Compensation Insurance: The Consultant shall require each sub-consultant to procure and maintain during the life of this subcontract, insurance of the type specified above or insure the activities of these sub-consultants in the Consultant's policy, as specified above.
g. Contractual Liability: If the project is not bonded, the consultant's insurance shall also include contractual liability coverage to ensure the fulfillment of the contract. NOTE: PUBLIC LIABILITY INSURANCE AND AUTOMOBILE LIABILITY INSURANCE --- THE CITY SHALL BE NAMED AS ADDITIONAL INSURED.
    - $1,000,000 PER OCCURRENCE
    - $2,000,000 AGGREGATE

Commercial Umbrella:

- $1,000,000 PER OCCURRENCE
- $2,000,000 Aggregate
- Including Employer's Liability and Contractual Liability

h. Certificates of Insurance: Certificate of Insurance Form, naming the City of Indian Harbour Beach as an additional insured will be furnished by the Consultant upon notice of award. These shall be completed by the authorized Resident Agent and returned to the City Clerk's office. This certificate shall be dated and show:
   - The name of the insured consultant, the specific job by name and job number, the name of the insurer, the number of the policy, its effective and termination date.
   - Statement that the Insurer shall mail notice to the Owner at least thirty (30) days before any material changes in provisions or cancellation of the policy, except ten (10) days' written notice of cancellation for non-payment of premium.

31. Consultant and Sub-Consultant Use of E-Verify
Consultant and Sub-Consultant for this RFQ shall use E-Verify to verify the employment of new employees employed by the consultant during the contract term to perform employment duties in Florida. The same requirements apply to sub-consultants hired by such consultants and/or sub-consultants to perform work pursuant to the contract.

V. FORMAT AND CONTENT OF STATEMENT OF QUALIFICATIONS

SOQ submittals must be organized in the following format and include the following content:

32. Response Format - Overview

The Qualification shall be deemed an offer to provide services to the City. In submitting a Qualification, the Respondent declares that he/she understands and agrees to abide by all specifications, provisions, terms and conditions of the same, and all ordinances and policies of the City. The Respondent agrees that if the contract is awarded to him/her, he/she will perform the work in accordance with the provisions, terms, and conditions of the contract.

To facilitate the fair evaluation and comparison of Qualifications, all Qualifications must conform to the guidelines outlined in this RFP.

Any portions of the Qualification that do not comply with these guidelines must be so noted and explained in the Acceptance of Conditions section of the Qualification. However, any Qualification that contains such variances may be considered non-responsive.

Qualifications should be prepared and economically, providing a straightforward, concise description of the Respondent's approach and ability to meet the City's needs, as stated in the RFQ.

The items listed below shall be submitted with each Qualification and should be submitted via the Vendor Response section of the solicitation. Failure by a Respondent to include all listed items may result in the rejection of its Qualification.

33. Title Page

The Title Page shall show the Request for Qualification's subject, title, and Qualification number; the firm's name; the name, address, email, and telephone number of a contact person; and the date of the Qualification.

34. Proposal Executive Summary

Provide a brief history of the company and discuss the highlights, key features, and distinguishing points of the proposal. The executive summary should be in the form of a letter that, at a minimum, includes:

- Name of individual, partnership, company, or corporation submitting the proposal.
- City's RFQ number.
- Signature of representative(s) legally authorized to bind the Respondent.
- Statement that the business has experience providing professional consulting services for at least five (5) years.
- Statement of the types of work and percentage of the value of the work that will be completed with in-house staff.

35. Project Team

Provide an organizational chart showing a staffing plan that clearly illustrates the key elements of the organizational structure of the entire project team. Identify project team members and major and minor sub-consultants, and provide technical resumes for each individual listed. This section should only include information on the individuals who will perform work on this project. Specify the roles and responsibilities of the project team, including sub-consultants, and the skills relevant to the proposed assignments.

36. Experience with Similar Projects

Provide a listing of similar projects, a maximum of eight (8), by a team member who is specifically part of the team proposed in the response. Identify specific project details, including but not limited to locations, description of the funding entity, project budget and project descriptions, building square feet and site acres, year designed, and outcomes. Provide reference contact information for the project.

37. Customer Listing

Provide a listing of all previous Municipal or Governmental customers during the past three years for all work of similar size and scope. The services provided to these clients should have characteristics as similar as possible to those requested in this RFQ.

Information provided for each client shall include the following:

- Client name, address, and current telephone number.
- Description of services provided.
- Time period of the project or contract.
- Client's contact reference name and current telephone number.

Failure to provide complete and accurate client information, as specified here, may result in the disqualification of your qualification.

38. Technical Approach / Methodology

    Indicate the firms:

    - Proposed approach and methodology
    - Understanding of the scope of work
    - Management Capabilities

39. Availability and Responsiveness

    Provide information regarding the firm's Availability and Responsiveness.

40. Acceptance of Conditions

    Indicate any exceptions to the general terms and conditions of the RFQ, and to the insurance requirements or any other requirements listed in the RFQ. If no exceptions are indicated in this tabbed section, it will be understood that no exceptions to these documents will be considered after the award, or if applicable, during negotiations.

41. Other Documents

    - Professional Certifications/Licenses
    - Affiliations and/or memberships

42. Required Form Submittals

    - Acknowledgment of Addenda (as posted on www.indianharbourbeach.gov)
    - Drug Free Workplace Certification
    - E-Verify
    - Non-Collusion Certification
    - Public Entity Crimes Statement
    - Vendor Certification Regarding Discriminatory Vendor List and Scrutinized Companies Lists

VI. Evaluation of Proposals:

43. Evaluation of RFQ submittals:
    A committee comprised of City of Indian Harbour Beach staff members will conduct an evaluation of the SOQs based on the following (which totals 100 possible points):
    - 40 points: Qualifications/capabilities of staff to provide requested services promptly
    - 30 points: Experience in providing similar services/Prior work experience with the City
    - 20 points: Past performance/references
    - 10 Points: Recent, current, and projected workload of the firm

    Qualified respondents may be asked to appear for an interview.

44. Upon determining the most qualified firm, the City will seek to negotiate a contract with that firm on a compensation basis that the City determines to be fair, competitive, and reasonable. At this point in the process, the City will require the firm to provide a proposal for compensation for its services.

45. If the City is unable to reach an agreement with the firm determined to be the most qualified at a cost determined by the City to be fair, competitive, and reasonable, negotiations with that firm will be formally terminated, and the City will undertake negotiations with the firm deemed to be the next best qualified. Should those negotiations fail to produce an agreement at a cost determined by the City to be fair, competitive, and reasonable, the City will terminate those negotiations and initiate negotiations with the firm deemed the next best-qualified.

Exhibit B

City of Indian Harbour Beach

Acknowledgment of Addenda

The Vendor/Contractor acknowledges and agrees to the following:

The enclosed proposal is being submitted and is subject to the terms and conditions of the above-referenced Request for Proposals that was issued by the City of Indian Harbour Beach and acknowledges receipt of Addenda as provided on www.indianharbourbeach.gov.

_____

Firm Name

_____

Name of Authorized Individual

_____

Authorized Signature Date

Exhibit B

City of Indian Harbour Beach

STATEMENT OF DRUG-FREE WORKPLACE

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids, proposals, responses or that are equal with respect to price, quality, and service are received by the State of Florida or by any of its political subdivisions for the procurement of commodities or contractual services, a bid, proposal or reply received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in section 1.
4. In the statement specified in section 1., notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employees will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893of the Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace, no later than five (5) days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by an employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this program.
7.

Select one or the other (not both) of the following certification statements. These statements are mutually exclusive.

☐ This firm **DOES NOT** comply with the above requirements for a drug-free workplace.

☐ As the person authorized to sign the statement, I certify that this Firm **DOES** fully comply with the above requirements.

Exhibit B

City of Indian Harbour Beach

_____

Firm Name

_____

Name of Authorized Individual

_____

Authorized Signature Date

Exhibit B

City of Indian Harbour Beach

E-VERIFY CERTIFICATION

The Vendor/Contractor acknowledges and agrees to the following:

The Vendor/Contractor certifies, by submission of this Proposal or acceptance of this contract that the Vendor/Contractor:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Vendor/Contractor during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise use the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

Further information can be found at the following website: http://www.uscis.gov/e-verify.

_____

Firm Name

_____

Name of Authorized Individual

_____

Authorized Signature Date

Exhibit B

City of Indian Harbour Beach

NON-COLLUSION AFFIDAVIT

STATE OF _____

COUNTY OF _____

I state that I, _____, of_____

(Name and Title) (Name of Firm)

am authorized to make this affidavit on behalf of my firm and its owner, directors and officers. I am the person responsible in my firm for the price(s) and amount(s) of this Response, and the preparation of the Response. I state that:

1. The price(s) and amount(s) of this Response have been arrived at independently and without consultation, communication or agreement with any other Respondent, potential Respondent, Proposal, or potential Proposal.

2. Neither the price(s) nor the amount(s) of this Response, nor the approximate price(s) nor approximate amount(s) of this Response, have been disclosed to any other firm or person who is a Respondent, potential Respondent, Proposal, or potential Proposal, and they will not be disclosed before Proposal opening.

3. No attempt has been made or will be made to induce any firm or persons to refrain from submitting a Response for this contract, or to submit a price(s) higher than the prices in this Response, or to submit any intentionally high or noncompetitive price(s) or other form of complementary Response.

4. The Response of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive Response.

5. Neither my firm nor its affiliates, subsidiaries, officers, directors, partners, owners, representatives, employees or parties in interest are currently under investigation by any governmental agency and have not in the last three years been found liable for any act prohibited by state or federal law in any jurisdiction involving conspiracy or collusion with respect to the proposal or bid on any public contract, except as follows:

I state that I and the named firm understand and acknowledge that the above representations are material and important, and will be relied on by the City of Indian Harbour Beach, for which this Proposal is submitted. I understand, and my firm understands that any misstatement in this affidavit is, and shall be treated as, fraudulent concealment of the true facts relating to the submission of this Proposal.

_____

Authorized Signature

On this _____day of _____, 2026, before me, the undersigned Notary

Public of the State of _____, personally appeared _____

(State) Name of Individual(s) who appeared before the Notary)

whose name(s) in/are subscribed to the written instrument, and he/she/they acknowledge that he

she/they executed it.

_____

NOTARY PUBLIC, STATE OF _____

NOTARY
PUBLIC
SEAL OF
OFFICE

(Name of Notary Public: Print, stamp, or type as commissioned)

☐ Personally known to me, or ☐ Produced Id:_____ ☐ **DID** take an oath

☐ **DID NOT** take an oath

Exhibit B

City of Indian Harbour Beach

PUBLIC ENTITY CRIME AFFIDAVIT

STATE OF _____

COUNTY OF _____

I state that I, _____, of_____

(Name and Title) (Name of Firm)

am authorized to make this affidavit on behalf of my firm and its owner, directors and officers. I am the person responsible at my firm for the price(s) and amount(s) of this Proposal, and for its preparation.

Public Entity Crime Information

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity for a period of 36 months following the date of being placed on the convicted vendor list.

I state that I and the named firm have read and understand the contents of the Public Entity Crime Information and hereby submit our Proposal accordingly. I understand and my firm understands that any misstatement in this affidavit is, and shall be treated as, fraudulent concealment of the true facts relating to the submission of this Proposal.

_____

Authorized Signature

On this _____day of _____, 2026, before me, the undersigned Notary

Public of the State of _____, personally appeared _____

(State) Name of Individual(s) who appeared before the Notary)

whose name(s) in/are subscribed to the written instrument, and he/she/they acknowledge that he she/they executed it.

_____

NOTARY PUBLIC, STATE OF _____

NOTARY

PUBLIC

SEAL OF

OFFICE

(Name of Notary Public: Print, stamp, or type as commissioned)

☐ Personally known to me, or ☐ Produced Id:_____ ☐ **DID** take an oath

☐ **DID NOT** take an oath

Exhibit B

City of Indian Harbour Beach

VENDOR CERTIFICATION REGARDING DISCRIMINATORY VENDOR LIST AND SCRUTINIZED COMPANIES LIST AFFIDAVIT AND ATTESTATION

(pursuant to sections 286.101, 287.133, 287.134, 286.1346, 287.135, 287.1351, 287.137, 287.138,448.095, and 787.06, Florida Statutes)

BEFORE ME, the undersigned authority, who is duly authorized to administer oaths and take acknowledgments, personally appeared_____("Affiant"), in Affiant's capacity as _____ of, _____, a _____ ("Vendor"), who, after first being duly sworn, under oath, did certify, depose, and say the following, and hereby makes all of the representations and warranties set forth hereinbelow, both individually and on behalf of Vendor:

1. Vendor desires to enter into, or has previously entered into, an agreement, purchase order, or other transaction (collectively the "Agreement") with City of Indian Harbour Beach, a political subdivision of the State of Florida (the "Authority").

2. Vendor is in compliance with all applicable disclosure requirements set forth in section 286.101, Florida Statutes, and has not been deemed ineligible for a grant or contract funded by a state agency pursuant to section 286.101(7), Florida Statutes.

3. Neither Vendor nor its suppliers, subcontractors or consultants to be utilized under the Agreement are on the "Suspended Vendor List," "Convicted Vendor List," "Discriminatory Vendor List" or "Antitrust Violator Vendor List" of the Florida Department of Management Services, and there is no pending or threatened action, proceeding or investigation, or any other legal or financial condition, that would in any way prohibit, restrain or diminish Vendor's ability to satisfy the obligations under the Agreement. Vendor is informed of the provisions of sections 287.133(2)(a), 287.134(2)(a) and 287.137(2)(a), Florida Statutes, that identify the impacts to Vendor's ability or its affiliates' ability to respond to the competitive solicitations of a public entity; to be awarded or perform work as a contractor, supplier, subcontractor or consultant under a contract with a public entity; or to transact business with a public entity if it, or its affiliates, are placed on the "Suspended Vendor List," "Convicted Vendor List," "Discriminatory Vendor List" or "Antitrust Violator Vendor List" of the Florida Department of Management Services. Vendor is further informed of the provisions of section 287.1351, Florida Statutes, that identify the impacts to Vendor's ability to enter into or renew a contract with an agency, as defined in section 287.012, Florida Statutes, if it is placed on the "Suspended Vendor List" of the Department of Management Services.

4. Regardless of the dollar value of the goods or services to be provided under the Agreement, in accordance with the requirements of section 287.135(5), Florida Statutes, Vendor is not participating in a boycott of Israel and is not on the State Board of Administration of Florida's "List of Scrutinized Companies that Boycott Israel."

5. If the goods or services to be provided under the Agreement are $1 million or more, in accordance with the requirements of section 287.135, Florida Statutes, (a) Vendor is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Terrorism Sectors List (collectively the "Scrutinized List of Prohibited Companies"), (b) Vendor does not have business operations in Cuba or Syria and (c) Vendor is not on the State Board of Administration of Florida's "Scrutinized List of Prohibited Companies."

6. Pursuant to section 287.138, Florida Statutes, (a) Vendor is not owned by a government of a foreign country of concern, (b) a government of a foreign country of concern does not have a controlling

interest in Vendor, and (c) Vendor is not organized under the laws of, nor has its principal place of business in, a foreign country of concern. For the purposes hereof, "foreign country of concern" means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern. As used herein, "controlling interest" means possession of the power to direct or cause the direction of the management or policies of a company, whether through ownership of securities, by contract, or otherwise (and a person or entity that directly or indirectly has the right to vote 25 percent or more of the voting interests of the company or is entitled to 25 percent or more of its profits is presumed to possess a controlling interest). Vendor is not prohibited from entering into the Agreement pursuant to section 287.138, Florida Statutes.

10. Affiant is familiar with the nature of an oath and with the penalties as provided by the laws of the State of Florida for falsely swearing to statements made in an instrument of this nature, and Affiant acknowledges and understands that this Affidavit And Attestation is made to induce the Authority to enter into or continue the Agreement with Vendor, and the Authority will rely upon this Affidavit And Attestation to establish the truth and accuracy of all information, statements, representations and warranties set forth herein.

Under penalties of perjury, Affiant declares and certifies that Affiant has carefully read this entire Affidavit and Attestation and that all of the information, statements, representations, and warranties set forth herein are true, correct, and complete. Affiant further declares and certifies that Affiant has authority to sign this Affidavit and Attestation on behalf of Vendor and bind Vendor hereunder.

This Affidavit and Attestation is made with the full understanding of the law regarding liability for perjury or any misrepresentation herein.

MADE AND DATED this day of _____ , 20_____.

_____, individually and as

(Authorized Representative)

_____, of _____

(Title/Position) (Company Name)

a _____

(Type of Business (i.e., LLC., Inc., etc.)

_____

Authorized Signature

On this _____day of _____, 2026, before me, the undersigned Notary

Public of the State of _____, personally appeared _____

(State) Name of Individual(s) who appeared before the Notary)

whose name(s) in/are subscribed to the written instrument, and he/she/they acknowledge that he she/they executed it.

_____

NOTARY PUBLIC, STATE OF _____

NOTARY
PUBLIC
SEAL OF
OFFICE

(Name of Notary Public: Print, stamp, or type as commissioned)

☐ Personally known to me, or ☐ Produced Id:_____ ☐ **DID** take an oath

☐ **DID NOT** take an oath

Exhibit B

Addendum 1

Q&A's

Is architectural services required to be provided as part of our proposed project team? NO

Will material testing be required as part of CEI services on our proposed project team? NO

Exhibit B

Addendum 2

Q&As

The following section requests a LEED accredited professional. Can you provide more details about this request? For what type(s) of facilities does the City seek LEED accreditation? Does the City expect the Prime to have a LEED team member or can it come from a subconsultant? Anything else we should know about this request?

10. Minimum Qualifications

D. Team Members and sub-consultants must be licensed in the State of Florida, have a minimum of three (3) years' experience in providing architectural, engineering, planning, marine services, or landscape architectural services, and be a Leadership in Energy and Environmental Design (LEED) accredited professional.

Answer:

The City desires a continuing services contract with an established firm with qualified and experienced professionals in all desired levels of the organization. Therefore, a LEED-certified professional is a logical request. Firms submitting a statement of qualifications in response to the request for qualification without a LEED certified professional identified will not be automatically disqualified, but may be ranked lower than other firms with such a position identified.

Exhibit B

Addendum 3

Q&A's

Regarding the subject RFP, can the City please clarify the following:

RFP Page 3, Section 10.D states: ƒTeam.Members.and.sub_consultants.must.be.licensed.in.the.State.of.Florida?have.a.minimum.of.three.(9).years≠experience.in.providing.architectural?engineering?planning?marine.services?or.landscape.architectural.services?and.be.a.Leadership.in.Energy.and.Environmental.Design.(LEED).accredited.professional∫. Please clarify the following:

1. Is the City's intent to require that the proposing team include at least one LEED Accredited Professional (LEED AP)?
2. With respect to the statement that "Team Members and sub-consultants must be licensed in the State of Florida," please clarify whether this requirement applies to every individual listed on the project team, or only to those individuals serving in positions that require Florida professional licensure under applicable law.

Answer:

1. YES
2. Just positions under applicable law.

Exhibit B

Addendum 4

Q&A

The RFQ references LEED accreditation as a qualification. Given that ENV SP (Envision Sustainability Professional) is a sustainability credential specifically tailored to infrastructure projects, would the City consider ENV SP as an equivalent qualification? If so, please confirm whether an ENV SP credential may be substituted for LEED accreditation.

Answer

NO

Exhibit B

Addendum 5

Q&A

1. There is an ambiguity regarding the submission delivery method. Page 1 and Page 5 (Section 20) state that SOQs must be submitted as a physical, sealed package with a USB flash drive to City Hall. Conversely, Page 10 (Section 32) indicates that items should be submitted via the "Vendor Response section of the solicitation." Please clarify if online portal submission is required, or if physical delivery is the sole acceptable method.

Online delivery is not allowed and such deliveries will be disqualified.

2. Page 3, Section 10.D states that "Team Members and sub-consultants... be a Leadership in Energy and Environmental Design (LEED) accredited professional." Please clarify if this accreditation is mandatory for all individual team members and sub-consultants, or if it is sufficient for the prime firm or specific key personnel to hold this credential.

One person LEED accredited is sufficient (prime firm or key personnel)

3. Page 3, Section 10.B.a requires firms to "provide proof of stable financial stability within the past three (3) years" but does not list this in the response format guidelines under Section V (Pages 10-12). Under which tab or section of the SOQ should this financial documentation be placed, and what specific documents are acceptable to establish this proof?

Respondents can provide whatever documents they believe suitable. Location of information in the qualification statements is up to the respondent.

4. Page(s) 8-9, Item 30 requires Professional (Design Errors and Omissions) Liability Insurance but does not specify a minimum coverage limit. Could the City confirm the required limit?

The City does not have a minimum requirement.

5. Page 11, Item 36 requests project details including “building square feet and site acres.” Given that RFQ 2026-01 is for continuing professional engineering and stormwater consulting services, could the City clarify what information would be most appropriate and useful to the evaluation committee in place of, or in addition to, those metrics for infrastructure-focused projects?

Locations, description of the funding entity, project budget and project descriptions, building square feet and site acres, year designed, and outcomes.

6. Page 12, Item 41 requests affiliations and memberships. Could the City confirm whether this information is used in the evaluation of scoring or is provided for informational purposes only?

Individual evaluation committee members should use this information in determining qualifications/capabilities of staff. Florida public records law prevents the evaluation committee from discussing how to use specific information outside of public meetings.

Exhibit B

Addendum 7 07.13.2026

Q&A

1. Can you confirm that LEED certification is required, and not preferred as it pertains to the project types and scope of services anticipated to be awarded under this RFQ?

Answer:

Yes, it is a requirement of the RFQ, although a firm lacking a LEED-certified individual will not automatically be disqualified

Exhibit B

Addendum 6

Q&A

Could you please clarify whether this requirement may be satisfied by having **at least one LEED Accredited Professional on the proposed team**, or if **each team member and sub-consultant is required to individually hold LEED accreditation**?

Answer:

One member is sufficient.

Exhibit C

HR Green Proposal for: City of Indian Harbour Beach, FL

Continuing Professional Engineering and Stormwater Consulting Services

Statement of Qualifications For RFQ: 2026-01

JULY 24, 2026







Brian Stahl, PE

Regional Director and Principal-in-Charge

7175 Murrell Road
Melbourne, FL 32940

Direct 321-622-4646 + **Fax** 321-256-5088

brian.stahl@hrgreen.com

Submitted by HR Green in partnership with:

- Atlantic Environmental
- GBA
- Kimley Horn
- Susan Hall Lanscape Architects
- Terminus Surveying
- Tsark Architecture, LLC
- Universal Engineering Services
- WSW Engineering

Exhibit C

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Section 1. Executive Summary

(Letter of Transmittal)

Exhibit C

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Exhibit C

HRGreen®

7175 Murrell Road
Melbourne, FL 32940
Main 321-622-4646
HRGREEN.COM

July 24, 2026

ATTN: Nikki Gold, City Clerk
City of Indian Harbour Beach – City Clerk's Office
2055 South Patrick Drive, Indian Harbour Beach, FL 32937

Re: Statement of Qualifications for RFQ 2026-01, Continuing Professional Engineering and Stormwater Consulting Services

Dear Selection Committee Members,

HR Green, Inc. (HR Green) is pleased to submit this Statement of Qualifications to provide Continuing Professional Engineering and Stormwater Consulting Services. First off, HR Green is very thankful for the positive, successful working relationship we have with the City. HR Green is focused on serving local governments like Indian Harbour Beach, as exemplified by our tag line, "Building Communities, Improving Lives". We bring a strong, multi-disciplined firm to the City.

Founded in 1913, HR Green has more than 113 years of experience providing professional engineering consulting services to public sector clients, including the City of Indian Harbour Beach. HR Green recently welcomed Infrastructure Solution Services (ISS) into the HR Green family, combining the trusted local expertise of HR Green's Florida regional team (formerly ISS) with the expanded resources of a national engineering firm of more than 800 professionals. The City will continue working with the same experienced Space Coast professionals who understand Indian Harbour Beach's infrastructure and priorities, now supported by the broader technical capabilities and resources of HR Green.

The City is seeking more than an on-call engineering consultant—it is seeking a trusted partner to help proactively plan, fund, design, and implement resilient infrastructure improvements that serve the community for years to come. We look forward to continuing to support the City as it advances this vision, helping transform long-range goals into practical, funded, and sustainable infrastructure improvements. Our team combines local relationships, technical excellence, and strategic planning with the depth of a national firm to help communities solve today's infrastructure challenges while preparing for tomorrow's needs.

Proactive Capital Planning and Funding Implementation. We recognize the City's goal of moving beyond annual budgeting toward a proactive, long-range Capital Improvement Program. HR Green helps municipalities evaluate infrastructure, prioritize improvements, develop phased implementation strategies, and position projects for successful funding and construction. Our team has extensive experience securing federal, state, regional, and local infrastructure funding, including helping Brevard County communities leverage the Save Our Indian River Lagoon (SOIRL) Program, one of the region's most important funding initiatives for stormwater, water quality, and resiliency improvements. By integrating funding strategy into project planning from the outset, we help clients maximize available resources, strengthen grant competitiveness, and move priority projects from concept through funding and implementation.

Coastal Stormwater Expertise. HR Green has more than 30 years of experience helping Florida communities reduce flooding, improve water quality, and strengthen infrastructure resiliency. Our team is already supporting the City through the Atlantic Boulevard East and West Exfiltration Stormwater Improvements, Alhambra Street Stormwater Improvements, and City Hall/ Algonquin Sports Complex Baffle Box projects. We have also delivered stormwater planning, modeling, design, permitting, and construction services for coastal communities including Anna Maria, Longboat Key, Bradenton Beach, Sarasota, Cocoa, Vero Beach, Titusville, and Brevard County. This experience enables our team to deliver practical, resilient solutions tailored to the unique challenges facing Florida coastal and barrier island communities, like the City of Indian Harbour Beach.

Local Presence and Responsive Service. Our Melbourne office is located just minutes from Indian Harbour Beach, allowing us to respond quickly for meetings, field investigations, emergency response, and post-storm recovery. As the engineer currently delivering multiple stormwater projects for the City and serving municipalities throughout Brevard County, we bring established relationships with local agencies, familiarity with regional permitting requirements, and an understanding of the City's infrastructure priorities that allows us to immediately support new assignments without a learning curve.

Exhibit C

HRGreen®

7175 Murrell Road
Melbourne, FL 32940
Main 321-622-4646

▶HRGREEN.COM

Water Quality and Indian River Lagoon Protection. Protecting the Indian River Lagoon is fundamental to every stormwater solution we deliver in the region. Our experience includes nutrient reduction strategies, baffle boxes, exfiltration systems, regional stormwater treatment, and watershed improvements throughout the Lagoon watershed, including Indian Harbour Beach, Cocoa, Titusville, Palm Bay, West Melbourne, Brevard County, and more. Our team understands how projects can be developed and prioritized to align with the goals of the Save Our Indian River Lagoon Program, creating opportunities to improve both environmental outcomes and funding competitiveness.

In-House Service Delivery. With the understanding that the scope of each individual task order may vary, HR Green estimates that, on average, we will perform approximately 80% of the contract value using in-house professionals, providing the City with a consistent project team, streamlined communication, and direct accountability throughout the life of the contract. Specialized services—including marine engineering, geotechnical engineering, environmental services, surveying, and landscape architecture—will be provided by trusted specialty subconsultants that complement our in-house capabilities and have an established history of successfully partnering with HR Green on Florida municipal infrastructure projects.

Furthermore, HR Green satisfies each of the minimum qualifications established in RFQ No. 2026-01, including:

- Florida Registered Engineering Firm. HR Green is a registered engineering firm licensed to practice in the State of Florida and satisfies all applicable Florida statutory licensing requirements. Consistent with the City's clarification, all services requiring professional licensure under applicable Florida law will be performed under the direction of appropriately licensed Florida professionals.
- Financial Stability. HR Green has the financial strength and organizational stability to successfully support long-term continuing services contracts for public sector clients and is prepared to provide documentation demonstrating the firm's financial stability, as required by the RFQ. *Please find a copy of HR Green's most recent audited financial statements included with our proposal under separate cover; please note this document is confidential and we respectfully request that it is not shared outside of the City's evaluation team.*
- Qualified Project Management. Proposed Project Manager Pavani Silaparasetty, PE, is a licensed Florida Professional Engineer with more than 17 years of experience managing municipal infrastructure and continuing services projects. She has successfully managed continuing services, stormwater, and municipal infrastructure projects for Florida local governments and will provide responsive day-to-day leadership throughout the contract.
- Experienced Multidisciplinary Team. HR Green's proposed team and specialty subconsultants exceed the RFQ's minimum experience requirements, with professionals bringing decades of experience providing architectural, engineering, planning, marine, and landscape architectural services throughout Florida. Consistent with the City's clarification, all personnel serving in positions requiring professional licensure under applicable Florida law are appropriately licensed in the State of Florida. The proposed team includes three Leadership in Energy and Environmental Design Accredited Professionals (LEED APs), with additional LEED AP resources available through our overarching firm resources, exceeding the City's minimum qualification requirement.

HR Green appreciates the opportunity to continue serving the City of Indian Harbour Beach. We look forward to building upon our existing relationship as a responsive, collaborative partner that delivers resilient infrastructure, protects water quality, advances strategic capital improvements, and helps the City maximize available funding opportunities while enhancing the quality of life for its residents. By submitting this Statement of Qualifications, HR Green confirms its commitment to provide the services described herein and acknowledges that this proposal may be relied upon by the City in its evaluation process.

Respectfully Submitted,

Brian Stahl, PE - Regional Director and Principal-in-Charge
Authorized Representative for HR Green, Inc.

Section 2. Project Team

Exhibit C

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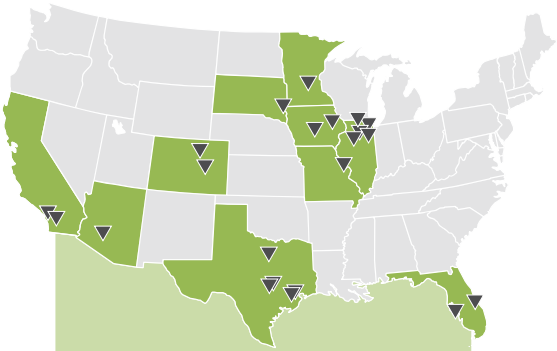
Exhibit C

Firm Overview

A Local Team with Proven Consulting Engineering / Stormwater Expertise and National Resources

Founded in 1913, HR Green is proud to be one of the nation's longest enduring engineering firms. For more than a century, we've partnered with public and private clients across markets and geographies to deliver comprehensive engineering, planning, and management solutions that strengthen and connect communities.

Our clients benefit from the scale and resources of a national firm combined with the personalized attention of dedicated teams. Consistently ranked among ENR's Top 500 Design Firms and recognized as a Great Place to Work, we're committed to delivering exceptional results while fostering a culture of collaboration and care, for our clients and our people.



22 Offices in 10 States

HR Green offices are located throughout the United States in Arizona, California, Colorado, Florida, Iowa, Illinois, Minnesota, Missouri, South Dakota, and Texas.

HR Green has assembled a multidisciplinary team of engineers, planners, scientists, and technical specialists to support the City of Indian Harbour Beach's continuing professional engineering and stormwater consulting needs. Built around our experienced Space Coast professionals currently serving the City of Indian Harbour Beach, our team combines decades of Florida municipal engineering experience with the expanded resources and technical depth of HR Green's national organization.

Stormwater engineering is one of HR Green's core municipal service areas. Our Florida team has delivered planning, modeling, design, permitting, construction administration, and capital improvement services for more than 100 local government entities under over 70 continuing services contracts, including numerous coastal and barrier island communities facing challenges similar to Indian Harbour Beach. Our experience spans stormwater master planning, flood mitigation, drainage improvements, water quality enhancement, resiliency planning, grant implementation, and post-storm recovery throughout Brevard County, across Florida, and throughout the nation.

Several members of our proposed team are already supporting the City on the Atlantic Boulevard East and West Exfiltration Stormwater Improvements, Alhambra Street Stormwater Improvements, and City Hall/Algonquin Sports Complex Baffle Box projects. This ongoing work provides immediate continuity, institutional knowledge, and an understanding of the City's infrastructure, priorities, permitting environment, and long-term stormwater objectives.

Project Team

Our staffing approach is built on experienced leadership, direct communication, and flexibility. Pavani Silaparasetty, PE, will serve as the City's dedicated Project Manager, leading every task order with the support of senior technical specialists selected to match each assignment's specific scope and requirements. This scalable structure enables HR Green to efficiently deliver routine engineering services while rapidly assembling multidisciplinary teams for more complex assignments involving stormwater, resiliency, capital improvement planning, grant implementation, and emergency response. Throughout the contract, the City will benefit from

> We commit to providing great client service through honesty, responsiveness, and understanding, forming a partnership with our clients and coworkers that leads to success.

a single point of accountability, responsive communication, and seamless coordination among HR Green's in-house professionals and specialty subconsultants.

The organizational chart that follows identifies the key elements of our project team, including leadership, technical disciplines, and specialty subconsultants. It illustrates HR Green's integrated staffing approach, providing clear accountability while maintaining the flexibility to tailor technical resources to assignments of varying size, complexity, and technical requirements. Resumes are provided at the back of this proposal sectiion.

Organization of the Project Team

Principal-in-Charge
QA/QC Oversight
Brian Stahl, PE

Project Manager
Pavani Silaparasetty, PE

Client Engagement & Grant Advocacy Manager
Elena Arrivillaga

STORMWATER, CIVIL & RESILIENCY ENGINEERING

STORMWATER ENGINEERING & DRAINAGE DESIGN
Devyn Brown, PE *(Stormwater Technical Lead / SME)*
Emily Lewis, EI

GENERAL CIVIL DESIGN
David Myers, PE *(Local Sr. FL PE)*
Devyn Brown, PE
Neako Villamil, EI

STRUCTURAL DESIGN
Ghislain Adandedjan PE
Greg Tsark, AIA, LEED AP ■

ELECTRICAL ENGINEERING, SCADA, & I&C DESIGN
Nathan Brandt PE
Kevin Pepler, PE
Gary Yocum, PE ■

PLANNING, STUDIES, & CAPITAL IMPROVEMENT PROGRAMMING
Clayton McCormack, PE
Andy Lemke, PE

HYDROLOGIC & HYDRAULIC MODELING
David Myers, PE
Scott Cunningham, PE, CFM, ENV SP

TECHNICAL SUPPORT SERVICES

INNOVATIVE NATIONAL STORMWATER SOLUTIONS
Teresa Stadelman, CFM, PE (IA)
Derek St. John , PE (TX)

PERMITTING & REGULATORY COORDINATION
Devyn Brown, PE
Neako Villamil, EI
Jon Shepherd, MS, PWS ■
David Purkerson, MS, PWS ■

Surveying
Mike Fischer, PSM
Cameron Harmon, PSM ■
Jason Douglas, RSit ■

GIS & MAPPING
Mike Fischer, PSM
Joao Nascimento, EI

CONSTRUCTION ENGINEERING & INSPECTION (CEI)
David Trafton
Neako Villamil, EI

GRANT FUNDING ASSISTANCE
Brian Stahl, PE
Devyn Brown, PE
Elena Arrivillaga

PUBLIC ENGAGEMENT & STAKEHOLDER COORDINATION
Brian Stahl, PE
Elena Arrivillaga

EMERGENCY & POST-STORM SUPPORT
Brian Stahl, PE
David Trafton

SUBCONSULTANTS

- ■ **Atlantic Environmental Services**
  Environmental Services & Permitting
- ■ **Gahagan & Bryant Associates, Inc. (GBA)**
  Coastal Resiliency & Water Quality
- ■ **Kimley-Horn and Associates, Inc.**
  Water Resources, Coastal Resiliency & Specialized Engineering
- ■ **Suzanne Hall & Associates**
  Landscape Architecture
- ■ **Terminus Surveying, LLC**
  Surveying, Mapping & Subsurface Utility Engineering
- ■ **Tsark Architecture**
  Architecture
- ■ **Universal Engineering Sciences**
  Geotechnical Engineering
- ■ **WSW Engineering, Inc.**
  Electrical Engineering, SCADA, & I&C Design

Exhibit C

Staffing Plan





Executive Oversight: Brian Stahl, PE, Principal-in-Charge, provides executive oversight, contract management, quality assurance/quality control (QA/QC), and strategic guidance throughout the contract. Brian also leads grant funding strategy, public engagement, and executive coordination with City leadership, ensuring each assignment supports the City's long-term infrastructure objectives.

Project Management: Pavani Silaparasetty, PE, serves as Project Manager and the City's primary point of contact. She is responsible for day-to-day project management, task order coordination, staffing assignments, schedule and budget management, consultant coordination, and overall project delivery. She is empowered to quickly assemble the appropriate technical team for each assignment while maintaining consistent communication with City staff.

Technical Leadership: Supporting the Project Manager is a multidisciplinary team of experienced professionals and specialty subconsultants providing expertise across the full range of services requested under this contract, including:

- Stormwater Engineering & Drainage Design
- General Civil Engineering
- Hydrologic & Hydraulic Modeling
- Water Quality & Environmental Services
- Coastal Engineering & Resiliency
- Structural Engineering
- Electrical Engineering, SCADA & I&C
- Planning, Studies & Capital Improvement Programming
- Grant Funding Assistance
- Permitting & Regulatory Coordination
- GIS, Surveying & Mapping
- Geotechnical Engineering
- Architecture
- Landscape Architecture
- Construction Engineering & Inspection (CEI)
- Public Engagement & Stakeholder Coordination
- Emergency & Post-Storm Support

Each discipline lead is supported by additional engineers, technical specialists, and subject matter experts, allowing HR Green to efficiently scale resources based on project complexity while maintaining continuity in project management, quality assurance, and client communication. Working under HR Green's integrated project management structure, our specialty subconsultants seamlessly complement our in-house capabilities while providing the City with access to highly specialized technical expertise.

Integrated Specialty Subconsultants: Specialty services are provided by long-standing teaming partners with proven experience supporting HR Green on municipal infrastructure projects throughout Florida. These firms expand our capabilities in coastal engineering, environmental services, geotechnical engineering, architecture, landscape architecture, surveying, and electrical engineering without compromising accountability.

All subconsultants operate under HR Green's project management structure. The Project Manager remains the single point of contact for the City and is responsible for coordinating all communications, schedules, deliverables, QA/QC reviews, and consultant activities throughout each assignment. This integrated approach ensures seamless collaboration while providing the City access to specialized expertise whenever needed.

Introduction to Our Subcontractors

HR Green has assembled a team of highly qualified specialty subconsultants that complement our in-house capabilities and expand the technical expertise available to the City. These firms have extensive experience supporting municipal infrastructure projects throughout Florida and have established working relationships with HR Green, allowing us to provide seamless coordination, clear accountability, and integrated project delivery.

Atlantic Environmental of Florida, LLC

LOCATION: Melbourne, Florida

OVERVIEW: Atlantic Environmental of Florida, LLC is a Brevard County-based environmental consulting firm with more than 23 years of experience providing environmental permitting, ecological consulting, and regulatory compliance services throughout Central Florida. The firm's ecologists have supported public and private sector clients across the region since 1996, delivering innovative, science-based solutions for municipal infrastructure, stormwater, utility, transportation, and site development projects. Atlantic Environmental has extensive experience coordinating with the St. Johns River Water Management District (SJRWMD), Florida Department of Environmental Protection (FDEP), U.S. Army Corps of Engineers (USACE), Florida Fish and Wildlife Conservation Commission (FWC), EPA, and local municipalities to efficiently navigate permitting and environmental compliance requirements.

ROLE ON THE TEAM: Environmental Services & Permitting. Atlantic Environmental will provide environmental assessments, wetland delineations, protected species surveys, environmental permitting, regulatory coordination, mitigation planning, environmental compliance, and natural resource support services for the City's stormwater, drainage, roadway, utility, parks, and other municipal infrastructure projects.

RELEVANT EXPERIENCE: Atlantic Environmental brings direct experience supporting projects for the City of Indian Harbour Beach, including environmental services for the Algonquin Sports Complex and Gleason Park. Throughout Brevard County, the firm has provided environmental permitting and regulatory support for numerous municipal infrastructure projects, including the Whispering Pines Drainage Improvements and Oak Park Drainage Improvements, as well as environmental assessments and permitting for the M-1 Canal Improvements for the City of Melbourne, multiple City of Palm Bay Force Main Projects, the City of Sebastian Public Works Facility, and several Brevard County Parks Force Main Projects. Their staff includes multiple Senior Professional Wetland Scientists (PWS) and FWC Authorized Gopher Tortoise Agents, providing in-house expertise for protected species surveys, wetland delineations, permitting, and environmental compliance. This combination of Indian Harbour Beach familiarity, local regulatory relationships, and extensive municipal experience positions Atlantic Environmental to provide responsive environmental support throughout the City's continuing engineering program.

KEY PERSONNEL:

- Jon Shepherd, MS, PWS - President:ecologist
- David Purkerson, MS, PWS - Senior Ecologist / Vice President

Gahagan & Bryant Associates, Inc. (GBA)

LOCATION: Tampa, Florida

OVERVIEW: Gahagan & Bryant Associates, Inc. (GBA) is a nationally recognized coastal engineering, water resources, hydrographic surveying, and marine engineering firm with more than 50 years of experience delivering coastal resiliency, environmental restoration, shoreline stabilization, navigation, and waterfront infrastructure projects throughout the United States. In 2021, GBA formed an integrated alliance with S. T. Hudson Engineers, Inc. following common ownership, expanding the combined team's technical resources and service capabilities. Together, GBA and Hudson provide a seamless, multidisciplinary practice offering coastal engineering, hydrographic and geophysical surveying, shoreline

stabilization, environmental restoration, marine geotechnical investigations, dredging engineering, waterfront structures, and construction support.

ROLE ON THE TEAM: Coastal Resiliency, Water Quality & Marine Engineering. GBA will provide specialized technical support for coastal resiliency, shoreline stabilization, water quality enhancement, hydrographic and geophysical surveying, environmental restoration, marine geotechnical investigations, dredging engineering, and permitting for projects affecting the Indian River Lagoon and other coastal environments.

RELEVANT EXPERIENCE: GBA brings more than four decades of experience supporting Florida's east coast through coastal resiliency, shoreline management, water quality enhancement, habitat restoration, and marine infrastructure projects. Representative local assignments include the Satellite Beach Aquatic Habitat Restoration Project, Kennedy Space Center Banana River Channel Condition Surveys, and numerous coastal engineering and environmental restoration initiatives throughout Brevard County. These projects have included habitat restoration, hydrographic surveying, shoreline assessment, sediment management, environmental permitting, and technical evaluations supporting the long-term health and resiliency of Florida's coastal waterways.

GBA's experience also includes long-term coastal resiliency programs for the St. Lucie Inlet and Jupiter Island Beach Restoration Program, providing planning, design, permitting, shoreline stabilization, environmental monitoring, habitat restoration, sediment management, and construction support for some of Florida's most complex coastal systems. Through its integrated partnership with Hudson, the team also provides advanced geophysical investigations, marine structural engineering, and specialized waterfront expertise that support resilient shoreline infrastructure and environmentally responsible project delivery. This breadth of experience provides a thorough understanding of the coastal processes, regulatory environment, and environmental stewardship necessary to successfully implement projects within the Indian River Lagoon and other sensitive coastal environments.

KEY PERSONNEL:

- Clay Bryant, PE - Vice President / Engineer of Record
- Nicholas Norris, PE, PSM - Senior Engineer / Surveyor
- Heath Crittenden, PE - Gulf Coast Regional Manager

Kimley-Horn and Associates, Inc.

LOCATION: Melbourne, Florida

OVERVIEW: Kimley-Horn is a full-service engineering and planning firm with nearly 10,000 professionals in more than 150 offices nationwide, combining the responsiveness of a local office with the technical depth of a national practice. The firm's multidisciplinary expertise includes water resources, stormwater engineering, civil engineering, coastal resiliency, environmental permitting, utilities, transportation, and planning. With extensive experience serving Brevard County and the Space Coast, Kimley-Horn brings specialized technical expertise supporting municipal infrastructure, watershed management, environmental restoration, and resilient community planning.

ROLE ON THE TEAM: Water Resources, Coastal Resiliency & Specialized Engineering Services. Kimley-Horn will provide specialized technical support for complex municipal engineering assignments, including water resources engineering, coastal resiliency, hydrologic and hydraulic analysis, watershed planning, environmental permitting, grant-funded infrastructure, and multidisciplinary engineering services supporting the City's continuing engineering program.

RELEVANT EXPERIENCE: Kimley-Horn has extensive experience supporting Brevard County and surrounding municipalities through continuing engineering services, watershed planning, stormwater engineering, and environmental restoration initiatives. Representative local assignments include a countywide stormwater master planning and flood reduction program, development of a Clean Waterways Compliance Act Basin Management Action Plan (BMAP) focused on nutrient reduction within the Banana River Lagoon and North Indian River Lagoon, and continuing engineering services for Brevard County. The firm has also completed projects within the Satellite Beach service area immediately adjacent to Indian Harbour Beach, providing a thorough understanding of the Indian River Lagoon, regional regulatory requirements,

barrier island drainage systems, and the infrastructure challenges unique to Florida's coastal communities. This local experience enables Kimley-Horn to provide specialized technical expertise that complements HR Green's core engineering services while supporting the City's long-term resiliency and water quality objectives.

KEY PERSONNEL:

- Victor Gallo, PE
- Jackie Brower, PE, PhD
- Desi Maldonado, PE

Susan Hall Landscape Architecture, Inc. (SHLA)

LOCATION: Merritt Island, Florida

OVERVIEW: Susan Hall Landscape Architecture, Inc. (SHLA) is a Brevard County-based landscape architecture firm that has provided professional landscape architectural services to public and private clients throughout Florida for more than 40 years. The firm specializes in landscape architecture, hardscape design, irrigation design, tree preservation, landscape mitigation, permitting assistance, and construction observation. SHLA regularly collaborates with architects, engineers, planners, and municipal agencies on public infrastructure, parks, civic facilities, transportation, and site development projects, bringing specialized expertise in coastal resiliency, sustainable design, and Brevard County's unique environmental conditions.

ROLE ON THE TEAM: Landscape Architecture. SHLA will provide landscape architectural services for the City's municipal infrastructure and capital improvement projects, including site and streetscape landscape design, hardscape design, irrigation design, tree preservation, landscape mitigation, permitting assistance, construction observation, and coordination with the engineering design team to integrate resilient, sustainable, and context-sensitive landscape solutions.

RELEVANT EXPERIENCE: SHLA has extensive experience supporting municipal and public-sector projects throughout Central Florida, including civic facilities, public safety buildings, schools, and municipal operations facilities. Representative projects include the City of Melbourne Police Department, the City of Satellite Beach Fire Station & Public Works Facility, Osceola County Fire Station No. 45, and the Delaware North Administration Building at Kennedy Space Center. Their experience includes site landscape and irrigation design, hardscape, tree preservation, construction administration, and sustainable landscape solutions, including Florida-native, lagoon-friendly plantings, rain gardens, and other green infrastructure features that complement civil engineering and stormwater improvements.

KEY PERSONNEL:

- Susan J. Hall, ASLA - Principal / Landscape Architect
- Megan R. Magwire - Landscape Architect

Terminus Surveying, LLC

LOCATION: Tampa, Florida

OVERVIEW: Terminus Surveying, LLC is a Florida-based professional surveying and mapping firm providing comprehensive surveying services for municipal infrastructure, transportation, utility, and site development projects throughout the state. The firm delivers accurate geospatial data that supports planning, engineering design, permitting, and construction through the use of experienced field crews, modern surveying technology, and responsive project delivery

ROLE ON THE TEAM: Surveying, Mapping & Subsurface Utility Engineering. Terminus will provide professional surveying and mapping services to support the City's stormwater and municipal infrastructure projects, including boundary, topographic, right-of-way, and construction surveys, ALTA/NSPS surveys, utility and easement mapping, Subsurface Utility Engineering (SUE), construction staking, and other surveying services necessary to support planning, design, permitting, and construction

RELEVANT EXPERIENCE: Terminus has extensive experience supporting civil infrastructure and site development projects throughout Florida by providing boundary, topographic, ALTA/NSPS, and specific purpose surveys, subdivision plats, utility mapping, and construction staking. Their surveying services support roadway, utility, municipal, and commercial projects requiring accurate existing conditions documentation, survey control, and geospatial data to facilitate efficient design and construction. Representative projects include the Flying Fox Subdivision Plat, complex waterfront boundary surveys, ALTA/NSPS land title surveys, and specific purpose surveys for infrastructure improvements throughout Florida.

KEY PERSONNEL:

- Jason Douglas - CEO, RSit
- Cameron Harmon, PSM - Surveyor

Tsark Architecture, LLC

LOCATION: Melbourne, Florida

OVERVIEW: Tsark Architecture is an award-winning Brevard County architectural firm with extensive experience delivering municipal, government, public safety, and civic facility projects throughout the Space Coast. With approximately 96% of its more than 600 completed and active projects located within Brevard County and a strong base of repeat municipal clients, Tsark brings a thorough understanding of local building requirements, permitting processes, and community priorities. Their collaborative approach and responsive local presence make them a valuable partner for municipal continuing services contracts.

ROLE ON THE TEAM: Architcture. Tsark Architecture will provide architectural planning, design, and construction support services for municipal facilities and infrastructure projects requiring architectural expertise. The firm also strengthens the proposed team by providing two LEED Accredited Professionals (LEED APs), satisfying the City's LEED accreditation requirement for the project team.

RELEVANT EXPERIENCE: Tsark has successfully delivered numerous municipal and public-sector facilities throughout Brevard County, including the West Melbourne City Hall Annex, Brevard County Fire Station 40, and the Brevard County Sheriff's Office Regional Training Facility. Their experience includes new municipal buildings, renovations, public safety facilities, administrative offices, and community-serving facilities requiring close coordination with local agencies and stakeholders. This local experience positions Tsark to provide responsive architectural support for future City of Indian Harbour Beach task orders

KEY PERSONNEL:

- Greg Tsark, AIA, LEED AP - Principal Architect
- Shad Traylor, AIA, LEED AP - Senior Project Architect
- Christopher Rhoden, AIA - Project Architect

Universal Engineering Sciences (UES)

LOCATION: Rockledge, FL + Offices Throughout Florida and Nationwide

OVERVIEW: UES Professional Solutions (UES) is a nationally recognized engineering and consulting firm with more than 60 years of experience supporting public infrastructure projects throughout Florida. Through its Rockledge office, UES has served Brevard County communities since 1964, providing responsive geotechnical engineering, subsurface exploration, construction materials testing and inspection (CMT), and environmental services. Their longstanding local presence provides extensive familiarity with Brevard County's subsurface conditions, permitting requirements, and construction practices, while their statewide and national resources provide additional technical depth for complex municipal projects.

ROLE ON THE TEAM: Geotechnical Engineering, Subsurface Exploration, Construction Materials Testing & Inspection (CMT), and Environmental Support. UES will provide geotechnical investigations and engineering recommendations,

subsurface exploration, construction materials testing and inspection, and related environmental services to support the City's stormwater, roadway, drainage, and municipal infrastructure improvement projects. Their services will help reduce geotechnical risk, support efficient design, and provide quality assurance during construction.

RELEVANT EXPERIENCE: : UES has extensive experience supporting municipal stormwater and infrastructure improvements throughout Brevard County and Central Florida. Recent local assignments include geotechnical engineering for the Brentwood to Nora Stormwater Improvements, materials testing for the Wickham Road and Pineda Causeway Intersection Improvements, construction materials testing for the Oak Park Drainage Improvements, and geotechnical services supporting the Brevard County Septic & Sewer Program. Their professionals routinely coordinate with the Florida Department of Environmental Protection (FDEP), St. Johns River Water Management District (SJRWMD), U.S. Army Corps of Engineers (USACE), Brevard County, and local municipalities to facilitate permitting, regulatory compliance, and successful project delivery.

Key Personnel:

- Richard E. Hoaglin, PE - Regional Manager, Rockledge/Principal Engineer
- Robert L. Smith, PE - Geotechnical Project Manager
- Katie West - Environmental Department Manager

WSW Engineering, Inc.

LOCATION: Rockledge, FL

OVERVIEW: WSW Engineering, Inc. is a specialized consulting engineering firm with more than 22 years of experience providing electrical engineering, instrumentation and controls (I&C), and Supervisory Control and Data Acquisition (SCADA) system design for municipal infrastructure projects throughout Florida. Based in Rockledge, WSW delivers practical, reliable solutions that enhance the performance, efficiency, and resiliency of public infrastructure systems.

ROLE ON THE TEAM: Electrical Engineering, SCADA, & Instrumentation and Controls (I&C) – WSW will provide electrical engineering and controls support for the City of Indian Harbour Beach's stormwater, drainage, and resiliency improvement projects. Their services include electrical power distribution, control systems, telemetry, and automation design for stormwater pumping systems and other infrastructure requiring specialized electrical engineering expertise.

RELEVANT EXPERIENCE: WSW provides comprehensive engineering services throughout the project lifecycle, including feasibility studies, basis of design reports, detailed engineering, PLC/HMI programming, startup and commissioning assistance, and engineering services during construction. Their experience supporting municipal infrastructure projects throughout Florida, combined with their expertise in electrical engineering and automated control systems, enables them to deliver reliable, efficient solutions that enhance the performance and long-term operation of stormwater infrastructure while complementing HR Green's multidisciplinary engineering team.

KEY PERSONNEL:

- Gary Yocum, PE - Sr. Electrical Engineer

Resumes

The resumes that follow highlight the qualifications, technical expertise, and relevant experience of the key personnel assigned to the City of Indian Harbour Beach. Our team combines extensive Florida municipal experience with specialized expertise in stormwater engineering, civil infrastructure, resiliency, permitting, construction support, and capital improvement planning. Together, these professionals provide the leadership, technical depth, and responsiveness necessary to successfully deliver the broad range of services anticipated under this continuing professional engineering services contract.

Exhibit C



Brian Stahl, PE

Principal-in-Charge, QA/QC Oversight, Grant Funding, Public Engagement

Experience

35 Years

Education

MS, Environmental Engineering, Florida Institute of Technology

BS, Biological Oceanography, Florida Institute of Technology

AS, Mechanical Engineering, St. Louis Community College

Registration/License

Professional Engineer: FL #48293

Affiliations

American Consulting Engineers Council Senior Executive Institute-Class 3

Leadership Florida Class 26

State of Florida Chamber of Commerce-Board of Governors

Florida Water Environment Assoc. (FWEA) Statewide Biosolids Committee Chairman (10 yrs)

American Water Works

Mr. Stahl has over 30 years of experience delivering municipal infrastructure, stormwater, and public works projects for communities throughout Florida. As one of HR Green's Florida Regional Directors based in the firm's Melbourne office, he provides executive leadership for municipal infrastructure programs across the state, overseeing multidisciplinary teams and supporting the successful delivery of complex engineering assignments. His experience spans stormwater management, drainage and flood mitigation, water quality improvements, municipal infrastructure planning, permitting, construction administration, and continuing engineering services. He has extensive experience guiding municipalities through project development, funding opportunities, public engagement, and implementation of capital improvement programs.

As Principal-in-Charge, Mr. Stahl will provide executive oversight, quality assurance/quality control (QA/QC), and senior technical guidance for all assignments performed under this contract. He will support the City in identifying and pursuing grant funding opportunities, provide executive-level coordination during public engagement efforts, and ensure projects are delivered in accordance with the City's objectives, applicable regulatory requirements, and HR Green's quality management standards.

Selected Project Experience

▶ **Stormwater Management System Projects - Indian Harbour Beach, FL**

Principal-in-Charge for multiple stormwater infrastructure improvement projects for the City of Indian Harbour Beach, including the design of exfiltration systems along East and West Atlantic Boulevard and Alhambra Street, as well as stormwater treatment improvements at City Hall and the Algonquin Sports Complex through the installation of nutrient-removal baffle boxes. These projects enhance drainage performance, reduce localized flooding, improve water quality entering the Indian River Lagoon, and support the City's long-term stormwater resilience objectives.

▶ **Cocoa Civil and Stormwater Engineering Services Continuing Contracts - Facilities Department - City of Cocoa, FL.**

Principal in Charge for civil engineering design services supporting Riverfront Park and Cocoa Village streetscape improvement projects, including roadway, sidewalk, recreational features, and riverfront promenade elements. Also served as Principal in Charge under the City's Facilities Department Continuing Civil Engineering Services Contract, leading projects such as the Waterfront Master Plan, Lee Wenner Park shoreline stabilization, T-dock and day slips, Cocoa Promenade and streetscape improvements, Bracco Pond drainage modifications, and Aurora Street drainage improvements.

▶ **Emma Jewel Stormwater Basin for The Diamond Square Urban Infill and Redevelopment - City of Cocoa, FL**

Principal-in-Charge assisting in obtaining a Conceptual Approval Permit for Urban Infill and Redevelopment in accordance with F.A.C. Project consisted of design, modeling and permitting of a proposed wet detention basin and stormwater collection system modifications to permit redevelopment of a portion of the Diamond Square Community Redevelopment Area. Modeling the proposed improvements supporting the permit application, master plan, and design included hydrologic and hydraulic modeling using

Brian Stahl, PE

Principal-in-Charge, QA/QC Oversight, Grant Funding, Public Engagement

Continued from Previous Page

ICPR modeling software package and water quality calculations using the Excel-based BMPTRAINS tool.

▶ **Continuing Stormwater Improvement & Resiliency Program - City of Anna Maria, Florida**

Principal- in-Charge for these civil and stormwater projects, including stormwater collection, conveyance, treatment, and planning projects for a regional system, including canals, swale systems, pipe and inlet systems, and localized infiltration treatment systems. Funding and permitting coordination with SWFWMD, FDEM, FEMA, Manatee County, and FDEP and assisted with funding projects and studies for the master planning of the Island's stormwater management.

▶ **Flood Mitigation & Coastal Resiliency Program - Town of Longboat Key, Florida**

Principal In Charge providing QA/QC for project plans and assists with preparing bid specifications.

▶ **Stormwater Watershed 3A Master Plan, Flooding and Water Quality Improvements,- City of Titusville, FL**

Project Manager in development of stormwater master plan for City's Basin 3A. Work included the development of an XPSWMM model to simulate storm levels and EPA STEPL for water quality. Model used to develop capital improvements to relieve flooding and develop best management practices (BMP) to reduce pollutant discharges to the Indian River Lagoon.

▶ **City Engineer of Record - City of Bradenton Beach, FL**

Principal in Charge overseeing engineering plan reviews, and attends meetings with the City to assist and identify potential grant funding opportunities.

▶ **Utility Engineering and Funding Services Continuing Contract - Martin County, FL**

Principal in Charge and Project Manager working with Martin County to pursue funding sources for a large septic-to-sewer project spanning ten years for the Martin County Utilities Department. The Project includes a total of 10,979 sewer collection connections and 6,345 water service connections, impacting more than 26,300 individuals and removing significant nutrients from the IRL. This Project has more than $150 Million in the FDEP SRF Clean Water and Drinking Water loan programs, grants from FDEP, South Florida WMD, St. John's River WMD, IRLNEP.

▶ **Selected additional notable stormwater projects supported include (not limited to):**

- Post Office Ditch Closure Project, St. Lucie West Services District
- Nutrient Removal Baffle Box Project, City of Titusville, FL
- Lincolnville Community Development Block Grant (CDBG) Drainage Design, City of St. Augustine, FL
- Ray Bullard WRF Stormwater Improvements, West Melbourne, FL
- Stormwater Continuing Contract, City of Cocoa, FL
- Wood Manor Stormwater, City of West Melbourne,
- South Central Drainage Improvements, Brevard County, FL
- North Regional Campus Stormwater Improvements, City of Palm Bay, FL
- Stormwater Engineering Continuing Contract - City of Deltona, FL



Pavani Silaparasetty, PE

Project Manager

Experience

17 Years

Education

M.S., Civil and Environmental Engineering, Texas A&M University

MBA, Kellogg School of Management, Northwestern University

Registration/License

Professional Engineer: FL #101556

Affiliations

Water Environment Federation (WEF)

Florida Water Environment Association (FWEA)

Water Environment Association of Texas (WEAT)

Ms. Silaparasetty is a Professional Engineer with 17 years of experience delivering complex municipal water, wastewater, and civil infrastructure projects for local governments. As HR Green's Regional Director based in the firm's Melbourne office, she provides regional leadership for municipal infrastructure projects throughout Florida, leading multidisciplinary teams through planning, design, permitting, procurement, construction, and commissioning. Her experience includes utility infrastructure improvements, permitting, capital improvement implementation, construction oversight, and coordination with regulatory agencies, funding partners, contractors, and stakeholders to deliver technically sound, cost-effective solutions.

As Project Manager, Ms. Silaparasetty will serve as the City's primary point of contact, providing overall project management, client coordination, resource management, quality control, and schedule oversight for continuing engineering assignments. She will coordinate multidisciplinary technical resources, oversee permitting and regulatory coordination, and ensure responsive delivery of stormwater, drainage, civil engineering, and infrastructure improvement projects.

Selected Project Experience

▶ **Stormwater Infrastructure Improvements – City of Indian Harbour Beach, FL**

Project Manager for the City Hall Baffle Box project, providing oversight of construction phase services and leading multidisciplinary coordination to respond to contractor submittals and requests for information (RFIs). Also serving as Project Manager for the Algonquin Road Drainage project, coordinating with the survey subconsultant to obtain additional information and overseeing completion of the drainage analysis and technical report.

▶ **Frank Brown Park Stormwater Improvements – City of Panama City Beach, FL**

Project Manager for this high-visibility municipal stormwater improvement project. The project includes analysis of the existing stormwater management system, development of a hydraulic model, and design of stormwater improvements to address identified drainage deficiencies. Responsibilities include leading multidisciplinary project coordination, finalizing the design and preparation of bid documents, and coordinating permitting with state regulatory agencies.

▶ **Grant Street Water Reclamation Facility Improvements – City of Melbourne, FL**

Project Advisor and Permitting Support for biological nutrient removal (BNR) facility improvements at the 5.5 MGD Grant Street Water Reclamation Facility. Responsibilities included resource allocation for project execution and leading the state permitting application for the stormwater system associated with the approximately $40 million project.

▶ **Andre McDonald Stormwater Pump Station – Fort Bend County Levee Improvement District No. 2, TX**

Project Manager / Construction Manager for a 1.2-million-gallon-per-minute stormwater pump station consisting of an intake structure with slide gates, screening facilities, pump station, and discharge channel through the levee system. Responsibilities included

Pavani Silaparasetty, PE
Project Manager

Continued from Previous Page

leading a multidisciplinary engineering team during final project delivery and managing six construction packages during the construction phase, including site preparation, electrical and generator installations, pump station construction, physical hydraulic modeling coordination, site development, and ditch hardening for the $45 million construction project.

▶ William Tyson Wastewater Treatment Plant Upgrades – City of Arcadia, FL

Project Manager for a 4 MGD peak flow wastewater treatment plant upgrade project with an estimated construction cost of approximately $35 million. Responsibilities included evaluating biosolids treatment technologies to produce Class B and Class AA biosolids and managing the design of new membrane bioreactor (MBR) facilities, UV disinfection, headworks improvements, and influent pump station upgrades. Led coordination with funding agencies, permitting, construction oversight, and commissioning activities.

▶ Bay Point Wastewater Treatment Plant Decommissioning and Conversion – Key West, FL

Project Manager for the decommissioning of an existing wastewater treatment plant and its conversion to a regional pump station. Responsibilities included coordinating decommissioning of injection wells, horizontal directional drilling for force main installation, permitting coordination with multiple regulatory agencies, and overall project management for the approximately $7.5 million project.

▶ Preliminary/Primary System Upgrades – Alexandria, VA

Design Manager for upgrades to a 120 MGD raw sewage pump station, coarse screening facilities, and associated equipment. Managed a multidisciplinary design team, coordinated with the CMAR contractor, led utility relocation efforts for facility expansion, and supported permitting coordination for the approximately $23 million project.

▶ Northeast Water Purification Plant Expansion – Houston, TX

Deputy Design Manager for the dewatering facilities associated with a 320 MGD design-build water purification plant with an estimated construction budget of $1.7 billion. Responsibilities included evaluating dewatering technologies, developing equipment selection criteria, and leading the design of sludge equalization tanks, the dewatering building, chemical feed systems, and truck loading facilities.

Exhibit C



Elena Arrivillaga

Client Engagement & Grant Advocacy Manager, Public Engagement & Stakeholder Coordination

Experience

3.5 Years

Education

M.S., Civil Engineering, Florida Institute of Technology

B.S., Civil Engineering, Florida Institute of Technology

Affiliations

American Society of Civil Engineers (ASCE), Space Coast Branch

Mrs. Arrivillaga is a member of HR Green's Florida leadership team, supporting municipal clients through client engagement, public engagement, stakeholder coordination, and grant funding advocacy. With a background in civil engineering, she serves as a liaison between municipal clients, project teams, funding agencies, and stakeholders, helping advance infrastructure projects from planning through implementation. During her 3.5 years with HR Green, she has supported municipalities throughout Florida in identifying funding opportunities, advancing capital improvement initiatives, coordinating public outreach, and facilitating stakeholder engagement for stormwater, water quality, and infrastructure projects. Her experience includes grant funding advocacy, municipal market research, capital improvement program (CIP) analysis, public engagement, and project coordination, including supporting the successful pursuit of more than $28 million in state water quality grant funding, including Save Our Indian River Lagoon (SOIRL) initiatives. She also brings previous experience in public relations, communications, and school board facilities coordination, providing a strong foundation for effective client service, public engagement, and interagency coordination.

As Client Engagement & Grant Advocacy Manager, Mrs. Arrivillaga will support the City through proactive client communication, public engagement and stakeholder coordination, grant funding advocacy, and implementation support for capital improvement initiatives. Building on her experience supporting Indian Harbour Beach's stormwater improvement program from pursuit through construction services, she will work closely with City staff and project stakeholders to facilitate communication, identify funding opportunities, and help advance the City's stormwater and infrastructure priorities.

Selected Project Experience

- **City Hall Educational Baffle Box – City of Indian Harbour Beach, FL**

  Supports stakeholder coordination for this water quality improvement project, including construction services support for the City Hall baffle box, bidding assistance, and construction engineering and inspection (CEI) services.

- **Atlantic East & West Exfiltration Stormwater Project – City of Indian Harbour Beach, FL**

  Supports stakeholder coordination and project delivery for exfiltration stormwater improvements along the Atlantic corridor, facilitating communication among City staff and the project team throughout project implementation.

- **Alhambra Exfiltration Stormwater Project – City of Indian Harbour Beach, FL**

  Provides stakeholder coordination and project support for exfiltration system improvements, serving as a liaison between City staff and the project team to facilitate communication and project delivery.

- **School Road Drainage Improvements – City of Indian Harbour Beach, FL**

  Provided coordination with City staff in support of drainage improvements along School Road, assisting with project communication and coordination throughout project development.

Elena Arrivillaga

Client Engagement & Grant Advocacy Manager, Public Engagement & Stakeholder Coordination

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▶ Septic-to-Sewer Program Funding Advocacy – City of Palm Bay, FL

Led and coordinated the City's grant funding strategy for its septic-to-sewer program, including Florida Department of Environmental Protection (FDEP) water quality and water supply grant applications, as well as Save Our Indian River Lagoon (SOIRL) funding applications for the SANC Phase 2 and Zone A projects supporting water quality, resilience, and coastal protection initiatives.

▶ Bignonia Street Culvert Replacement & Grant Street WRF BNR Upgrade – City of Melbourne, FL

Assisted grant funding efforts for a stormwater culvert replacement project and biological nutrient removal (BNR) improvements at the Grant Street Water Reclamation Facility, supporting the successful acquisition of Florida Department of Environmental Protection (FDEP) grant funding..

▶ WRF Advanced Wastewater Treatment (BNR-MBR) – City of Panama City Beach, FL

Assisted the City's Florida Department of Environmental Protection (FDEP) water quality grant application for advanced wastewater treatment improvements, supporting successful grant funding for the Biological Nutrient Removal–Membrane Bioreactor (BNR-MBR) project.

▶ Parks & Recreation Master Plan – City of West Melbourne, FL

Assisted the Project Manager in delivering HR Green's subconsultant scope, including public involvement support through open houses, focus groups, and City Council and advisory board meetings. Responsibilities also included ADA compliance review of City parks, GIS data collection for the needs assessment, and concept plan review with capital cost estimates for seven municipal parks and a trail concept.

▶ Parking Facilities Study – Florida Institute of Technology, Melbourne, FL

Served as Project Manager for a campus parking facilities study, managing project scope, schedule, deliverables, and client coordination while serving as the primary point of contact.



Devyn Brown, PE

Sr. Stormwater Engineer & Technical Lead, / SME Permitting & Regulatory, Grant Funding

Experience

22 Years

Education

BS, Environmental Engineering, University of Florida

Registration/License

Professional Engineer: FL #68380

Affiliations

American Public Works Association (APWA)

Florida Water Environment Association (FWEA)

American Society of Civil Engineers (ASCE)

Interconnected Channel and Pond Routing (ICPR) Training

With more than 20 years of experience delivering municipal infrastructure projects throughout Florida, Ms. Brown is a senior stormwater engineer with extensive expertise in stormwater management, drainage, water quality, utilities, permitting, and regulatory compliance. She leads the technical planning, design, and delivery of complex civil and stormwater projects, providing expertise in hydrologic and hydraulic analysis, environmental permitting, regulatory coordination, and engineering design. Her previous experience with consulting firms and the Florida Department of Environmental Protection (FDEP) provides a thorough understanding of Florida's environmental regulations, permitting processes, and agency coordination requirements, allowing her to develop practical, permit-ready solutions for public infrastructure projects. Ms. Brown also has extensive experience supporting grant-funded infrastructure initiatives by assisting clients with funding strategies, technical documentation, and project implementation.

As Senior Stormwater Engineer and Technical Lead, Ms. Brown will provide technical oversight for stormwater and civil engineering assignments, serve as the team's subject matter expert for permitting and regulatory coordination, support grant-funded project implementation, and provide senior technical review to ensure high-quality, practical, and regulatory-compliant engineering solutions.

Selected Project Experience

▶ **Flood Mitigation & Coastal Resiliency Program (Sleepy Lagoon Neighborhood) - Town of Longboat Key, FL**

Sr. Project Manager for two flood mitigation and resiliency projects within the Town's Sleepy Lagoon neighborhood, providing design, permitting, hydrologic and hydraulic modeling, public involvement, and client coordination services for roadway reconstruction and stormwater infrastructure improvements. The projects include Bayview Drive, De Navarez Drive, Juan Arasco Drive, General Harris Street, Marbury Lane, and Penfield Street, and involve raising roadway profiles and designing inlets, stormwater piping, and outfalls to improve drainage performance, reduce flooding, and enhance neighborhood resiliency.

▶ **Consultant Engineering Services - City of Bradenton Beach, FL**

Senior Project Manager and Engineer of Record for projects that include stormwater plan review for projects submitted to the City through the development review process. Grant funding planning for future stormwater and resiliency projects. Assisting the City staff with NPDES reporting, TRIM notices, and other on-call miscellaneous civil and stormwater engineering related items.

▶ **Stormwater Improvements and Funding - City of Anna Maria, FL**

Project Manager and Sr. Stormwater Engineer for the Civil Engineering Continuing Services for the City of Anna Maria, focusing on stormwater improvement projects, planning and funding assistance, and hydrologic and hydraulic modeling for this coastal community. Projects have included stormwater collection, conveyance, treatment, and planning projects for a regional system providing canals, swale systems, pipe and inlet systems, and localized infiltration treatment systems. Funding and permitting coordination

Devyn Brown, PE

Sr. Stormwater Engineer & Technical Lead, / SME Permitting & Regulatory, Grant Funding

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with SWFWMD, FDEM, FEMA, Manatee County, FL House of Representatives, and FDEP have assisted with funding projects and studies for the master planning of the Island's stormwater management system.

▶ Stormwater / Sidewalk Projects - Manatee County, FL

Project manager and Senior Stormwater Engineer. Project included survey, design, and permitting for four stormwater improvement projects and one sidewalk enhancement project. Oversaw drainage improvements to address failing culvert systems at key locations, including Tuttle Avenue, Gateway East Outfall, 26th Street West, and G.T. Bray Park. Prepared construction plan documents and provided additional support, with plans for limited construction-phase engineering assistance.

▶ Stormwater Engineering Continuing Contract - City of Sarasota, FL

Sr. Stormwater Engineer providing stormwater engineering and permitting services for the City of Sarasota under a Public Works Continuing Contract. For the Lemon Avenue Streetscape Improvements, managed drainage design, permitting, and stormwater upgrades to support pedestrian-friendly infrastructure, working closely with the community to align on project needs. Led survey work and stormwater improvements for Osprey Avenue Phase 1, addressing roadway resurfacing, curb replacement, and stormwater management over a 4,600-foot stretch. Collaborated directly with City project management to refine project scope, ensuring comprehensive stormwater solutions.

▶ Rollohome Road Stabilization Design – Bay County, FL

Providing engineering and design support for the stabilization and paving of approximately 2.8 miles of unimproved roadway, including evaluation and improvement of stormwater infrastructure to address 25-year design storm conditions under the Northwest Florida Water Management District "dusty roads" exemption. The project involves preliminary engineering, field investigations, preparation of 30%, 60%, 90%, and final design documents, stormwater analysis, coordination with Bay County and the Florida Department of Transportation, and development of construction plans, specifications, and engineer's opinions of probable construction cost

▶ Selected additional notable stormwater projects supported include (not limited to):

- Rustic Road Roadway, Stormwater, and Utility Improvements, Sarasota County, FL
- State Street Streetscape and Utility Improvements (including stormwater), City of Sarasota, FL
- Stormwater Engineering Continuing Contract, City of Deltona, FL
- Historic District Infrastructure Initiative Engineering Infrastructure Analysis, City of Punta Gorda, FL
- Continuing Engineering Services Contract - Miscellaneous Roadway and Infrastructure, City of Sarasota, FL

Exhibit C



David Myers, PE

Local Sr. Civil Engineer, Drainage / H&H Modeling

Experience

20 Years

Education

MS, Civil Engineering, Florida Institute of Technology BS, Civil Engineering, University of Florida

License / Certification

Professional Engineer: FL #66483

State of Florida Qualified Stormwater Management Inspector

Affiliations

American Society of Civil Engineers (ASCE)

Mr. Myers has more than 20 years of experience providing civil engineering, stormwater, drainage, and utility infrastructure services for federal, state, and local government clients throughout Florida. As HR Green's local engineering lead for this contract, he brings extensive expertise in civil engineering design, stormwater systems, roadway drainage, site grading, GIS applications, and hydrologic and hydraulic (H&H) modeling support. He is highly proficient in ICPR, PONDS, WaterCAD, SewerGEMS, and other engineering modeling platforms used to evaluate and design stormwater, water, and wastewater systems. Throughout his career, Mr. Myers has supported a wide range of municipal drainage studies, flood mitigation initiatives, roadway and streetscape improvements, stormwater retrofits, and utility infrastructure projects, providing the technical analyses, modeling support, and engineering documentation necessary to advance projects from planning through permitting, design, and construction.

As the Local Senior Civil Engineer, Mr. Myers will provide local engineering leadership and support civil engineering, drainage, and stormwater design efforts throughout project delivery. He will support hydrologic and hydraulic analyses, prepare technical engineering documentation, assist with permitting and regulatory coordination, and work closely with the project team to develop practical, resilient stormwater solutions that improve system performance, reduce flooding, and protect water quality.

Selected Project Experience

- **Flood Mitigation & Coastal Resiliency Program (Sleepy Lagoon Neighborhood), Town of Longboat Key, FL**

  Sr. Project Engineer providing hydrologic and hydraulic modeling and GIS support for two flood mitigation and resiliency projects within the Town's Sleepy Lagoon neighborhood, including improvements along Bayview Drive, De Narvaez Drive, Juan Anasco Drive, General Harris Street, Marbury Lane, and Penfield Street. Responsibilities include engineering analyses supporting roadway reconstruction, roadway profile adjustments, and the design of stormwater inlets, piping, and outfalls to improve drainage performance, reduce flooding, and enhance neighborhood resiliency.

- **Civil Engineering Continuing Contract, City of West Melbourne, FL**

  Sr. Utilities Engineer responsible for the engineering, design, permitting, and construction administration of several public works-related projects under this contract, including the West Melbourne Community Park and the Wood Haven Manor Area Drainage Study and Design Improvements projects.

- **Cocoa Civil Engineering Services Continuing Contract, Facilities Department, City of Cocoa, FL**

  Senior Civil Engineer for design projects under this contract. Relevant projects completed under this contract include Waterfront MasterPlan (2017), Lee Wenner Park shoreline stabilization (2019), T-dock and day slips (2020), Cocoa Promenade Improvements (2020), streetscape improvement projects (2021), Bracco Pond control structure modification and drainage improvements (2021), and Aurora Street drainage improvements (2021).

David Myers, PE

Local Sr. Civil Engineer, Drainage / H&H Modeling

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▶ Rollohome Road Stabilization Design, Bay County, FL

Providing engineering and design support for the stabilization and paving of approximately 2.8 miles of unimproved roadway, including evaluation and improvement of stormwater infrastructure to address 25-year design storm conditions under the Northwest Florida Water Management District "dusty roads" exemption. The project involves preliminary engineering, field investigations, preparation of 30%, 60%, 90%, and final design documents, stormwater analysis, coordination with Bay County and the Florida Department of Transportation, and development of construction plans, specifications, and engineer's opinions of probable construction cost.

▶ Professional Engineering Services Continuing Contract, City of Fellsmere, FL

Project Manager for USDA Rural Development (USDA-RD) application package to support proposed stormwater drainage and road paving throughout the City, Florida Recreation Development Assistance Program (FRDAP) Grants and the design for the Senior League Park Improvements and for the Grant St Park Improvements.

▶ Woodville Septic-to-Sewer System, Leon County, FL

Hydraulic Modeler for sewer modeling, design, and cost estimating a wastewater collection system providing the Woodville Community with central gravity sanitary sewer. Work included the development of a SewerGEMS hydraulic model used in the evaluation and design of the proposed wastewater collection system.

▶ Indian River Isles Septic-to-Sewer: North, Central, and South Phases, Brevard County Utility Services District

Sr. Utilities Engineer. The project involves completing all the engineering design, including the hydraulic modeling, all plans, and specs, and permitting for this project to serve the 400 residents (160 sewer connections) in three areas of the Indian River Isles Community. The project design includes the construction of a 10,000 LF of gravity sewer collection system, three lift stations, residential sewer connections, and the abandonment of the septic tanks.

▶ Selected additional notable stormwater projects supported include (not limited to):

- Stormwater Front Treatment Nutrient Removal System Feasibility Study, City of Cocoa, FL
- St. Johns River Ferry Stormwater Site Design, Jacksonville Transportation Authority
- Stormwater Engineering Continuing Contract, City of Deltona, FL
- Continuing Services Contract, Civil Engineering, City of West Melbourne, FL
- South Central Drainage Improvements, Brevard County, FL
- Stormwater Pollution Prevention Plan and Spill Prevention, Control, and Countermeasures, Metropolitan Knoxville Airport Authority
- Several large commercial land development projects including site grading and stormwater drainage using ICRP and PONDs for State of Florida ERP permitting and approval.



Ghislain Adandedjan, PE (FL, GA, TN)

Sr. Structural Engineer

Experience

22+ Years

Education

M.S., Structural Engineering, University of Florida

B.S., Civil Engineering, University of Florida

A.A.S., Water and Environmental Engineering, 2IE

Registration/License

Professional Engineer: Florida #86459

Professional Engineer: Georgia #PE046273

Professional Engineer: Tennessee #124172

Affiliations

American Society of Civil Engineers (ASCE)

Structural Engineering Institute (SEI)

Mr. Adandedjan is a Structural Engineer with more than 22 years of engineering and construction experience, including over 12 years specializing in the design, assessment, rehabilitation, and construction support of municipal water, wastewater, and environmental infrastructure. He has served as the lead structural engineer on multidisciplinary teams delivering complex public infrastructure projects throughout Florida and across the United States. His expertise includes structural design of reinforced concrete, steel, masonry, and below-grade structures; structural assessments and rehabilitation of existing infrastructure; construction engineering; and quality assurance/quality control reviews. He has extensive experience providing engineering services during construction, coordinating with multidisciplinary teams, and developing construction-ready plans, specifications, and technical calculations for municipal infrastructure projects.

As Senior Structural Engineer, Mr. Adandedjan will provide structural engineering support for stormwater, drainage, utility, and municipal infrastructure improvements. He will lead structural evaluations and design for stormwater treatment structures, pump stations, retaining walls, and other civil infrastructure requiring structural expertise, while supporting design reviews, permitting, construction administration, and QA/QC throughout project delivery.

Selected Project Experience

▶ **McCarrons Water Treatment Plant Improvements – City of Maplewood, MN**

Structural Resident Engineer providing structural and field engineering support for a $240 million water treatment plant improvement project. Responsibilities included coordinating with the design team during construction, managing submittals and requests for information (RFIs), supervising special inspections and testing, supporting QA/QC activities, resolving non-conformance reports, coordinating design changes, and preparing as-built drawings and engineering closeout documentation.

▶ **City of Cocoa Dyal Water Treatment Plant Elevated Walkway Modifications – City of Cocoa, FL**

Lead Structural Engineer supporting the delivery of a new ground and elevated walkway with integrated cable tray systems and chemical piping. Responsibilities included structural design of the elevated walkway, chemical building decking, and retrofit plans for existing structural steel framing, while coordinating with process and electrical engineers and providing construction-phase engineering support.

▶ **James Estes Water Treatment Plant Structural Rehabilitation – City of Auburn, AL**

Lead Structural Engineer responsible for the design and implementation of structural repairs identified through facility condition assessments. The project included repairs to existing rapid-mix chambers, sedimentation basins, influent channels, deteriorated concrete, and masonry walls, along with preparation of construction-ready plans, specifications, and bid documents for structural rehabilitation improvements.

Ghislain Adandedjan, PE

Sr. Structural Engineer

Continued from Previous Page

▶ Suwanee Creek Pump Station Vibration Rehabilitation – Gwinnett County, GA

Lead Structural Engineer responsible for designing structural improvements to address vibration issues affecting pump station operations. Responsibilities included structural analysis, dynamic modeling, development of remedial measures, construction support, submittal review, and coordination of post-construction vibration testing to verify performance.

▶ Camp Lejeune Water Treatment Plant Replacement – Jacksonville, NC

Facility Lead Structural Engineer responsible for the structural design of reinforced concrete water treatment facilities, including below-grade structures, pump stations, clarifier tanks, and process basins. Coordinated structural design with multidisciplinary subject matter experts to ensure compliance with Unified Facilities Criteria (UFC) requirements and project objectives.

▶ Alexandria RiverRenew Program – Tunnel Dewatering & Wet Weather Pumping Station – Alexandria Renew Enterprise, VA

Facility Structural Dynamic Specialist / Lead Structural Engineer supporting the structural design of a major wastewater infrastructure improvement project. Responsibilities included structural review of the pumping station superstructure, design of the wet weather pumping station tunnel, advanced structural analysis, multidisciplinary coordination, and construction-phase engineering support.

▶ Halls Mill Creek Lift Station Severe Weather Attenuation Basin – City of Mobile, AL

Lead Structural Engineer responsible for the structural design of project facilities, including a sanitary sewer overflow lift station, calcium nitrate feed system facility, and severe weather attenuation basin. Responsibilities included structural analysis, engineering calculations, preparation of construction documents, multidisciplinary coordination, and engineering services during construction.

▶ Selected additional notable structural projects supported include (not limited to):

- Northeast Water Purification Plant Expansion – City of Houston, TX
- Midland Water Pollution Control Plant Secondary Treatment Upgrades – Midland, TX
- Blacks Ford Water Reclamation Facility Phase 4 Expansion – JEA, Jacksonville, FL
- Fowler Water Reclamation Facility Expansion – Forsyth County, GA
- Norwood Water Treatment Plant Phase II Expansion – City of North Miami, FL
- Pasco County Master Reuse System – Boyette Road Reservoir – Pasco County Board of County Commissioners, FL
- Environmental and Economic Infrastructure Improvements (e2i2) – Chattanooga, TN



Nathan Brandt, PE (FL, CO, CT, ID, IA, MN, NE, SD, TN, TX)

Electrical Engineer

Experience

25 Years

Education

MS, Engineering Management, University of Arkansas, 2024

BS, Electrical Engineering, SDSU, 2002

Registration/License

Professional Land Surveyor, CO #PE.0067411

Professional Land Surveyor, CT #PEN.0038784

Professional Land Surveyor, ID #8771885

Professional Land Surveyor, IA #P24466

Professional Land Surveyor, MN #51663

Professional Land Surveyor, NE #E-16956

Professional Land Surveyor, SD #132088

Professional Land Surveyor, TX #141489

Nathan has more than 20 years of experience designing and analyzing complex electrical systems across industrial, commercial, civic, and educational sectors. His technical expertise includes building power systems, medium voltage distribution, microgrids, SKM based engineering studies, arc flash analysis, and emergency power systems. His background includes hands on development of electrical construction documents, advanced system analysis, construction administration, and the delivery of practical, effective solutions for building power and utility applications.

Selected Project Experience

- Port St. Lucie, FL - Glades WWTP Biosolids System Evaluation | City of Port St. Lucie, FL
- Brainerd PUC, MN - Main Lift Station Design - Brainerd Public Utilities - Lead Electrical Engineer
- CIRSSD, MN - Buhl Intermediate Lift Station - Central Iron Range Sanitary Sewer District - Lead Electrical Engineer
- JBS, Worthington, MN - WWTP Improvements Design - JBS USA, LLC - Lead Electrical Engineer
- Sioux Falls, SD - WRF Humus Pump Pipe Replacement - City of Sioux Falls, SD - Lead Electrical Engineer
- Oak Forest, IL - Crescent Green LS Improvements - City of Oak Forest, IL - Lead Electrical Engineer
- Simmons Foods - Southwest City, MO - EQ Tank & Pump Station - Final Design and Bidding - Simmons Prepared Foods, Inc. - Lead Electrical Engineer
- Davenport, IA - 2nd St and Marquette - City of Davenport, IA - Lead Electrical Engineer
- Davenport, IA - 3rd St and LeClaire St Road Raise - City of Davenport, IA - Lead Electrical Engineer
- Davenport, IA - Flood Mitigation River and Mound - City of Davenport, IA - Lead Electrical Engineer



Kevin Pepler, PE (FL, UT, CO, NM, NV)

Electrical / I&C Engineer

Experience

24 Years

Education

BS, Missouri S&T, Electrical Engineering, 2002

Registration/License

Professional Engineer, Utah, 14230688

Professional Engineer, Colorado, PE.0055178

Professional Engineer, New Mexico, 27616

Professional Engineer, Nevada, 030201

Kevin has more than 20 years of experience in electrical, control systems, and instrumentation design across a wide range of industrial and municipal applications. He has delivered electrical construction, plant engineering and maintenance, systems integration, and field commissioning services for both light and heavy industrial facilities.

His experience spans water and wastewater treatment as well as glass, steel, pharmaceutical, renewable energy, and discrete manufacturing industries, bringing a broad, cross-sector perspective to complex projects. Kevin has extensive expertise in the programming and configuration of PLC and SCADA systems supporting continuous, batch, motion, and discrete control applications.

He is highly proficient in both the hardware and software aspects of control systems, enabling him to develop fully integrated, reliable solutions. Kevin has authored SCADA Master Plans for multiple municipalities across the western United States, helping clients modernize systems, improve operational efficiency, and plan for long-term scalability.

Prior Firm Experience

- Valencia Advanced Water Treatment Facility Chloride Compliance Project - Los Angeles County Sanitation District - Valencia, California - Lead I&C Engineer and Construction and Commissioning Support
- Water Restoration Plant SCADA Systems Master Plan - City of Grants Pass, Oregon - I&C Engineer
- Integrated Master Plan - City of Oxnard, California - I&C Engineer
- Waste Water Treatment Plant Expansion - Town of Marana, Arizona - Lead I&C Engineer
- Ammonia Treatment and Biosolids Dewatering Improvements Project - City of Longmont, Colorado - Lead I&C Engineer for improvements and of a Biogas upgrading system that fuels the City's natural gas powered vehicle fleet.
- Dewatering Upgrades Project - City of Las Vegas, Nevada - Lead I&C Engineer
- Water Softening Project - South Adams County, Colorado - Lead I&C Engineer

  This project reduced ground water hardness from 380mg/L to 60mg/L using a pellet softening process technology with very limited U.S. installations.

Exhibit C



Clayton McCormack, PE (FL, MI, PA)

Sr. Civil Engineer, Planning & Studies

Experience

29 Years

Education

MS, Environmental Engineering, Michigan State University

BA, Chemistry, Illinois Wesleyan University

Registration/License

Professional Engineer: FL #65473, MI#6201049190, PA #083577

Affiliations

American Water Works Association (AWWA)

Water Environment Federation (WEF)

Mr. McCormack has more than 25 years of experience planning, evaluating, designing, and implementing municipal infrastructure improvements for local governments throughout Florida. His expertise includes infrastructure master planning, capital improvement planning, utility system evaluations, engineering studies, treatment facilities, and the planning, design, permitting, and construction of complex public infrastructure projects. He has led multidisciplinary teams in the development of water and wastewater master plans, utility system assessments, facility evaluations, and long-range capital improvement strategies that support sustainable infrastructure investment and regulatory compliance. With extensive experience working with Florida municipalities, including communities along the Indian River Lagoon, Mr. McCormack brings a thorough understanding of project planning, permitting, funding, and implementation for municipal infrastructure programs.

As Senior Civil Engineer – Planning & Studies, Mr. McCormack will provide senior technical leadership for engineering studies, infrastructure evaluations, feasibility analyses, capital improvement planning, and long-range infrastructure strategies. He will support the City's planning initiatives by developing practical, cost-effective solutions that align with regulatory requirements, funding opportunities, and the City's long-term infrastructure objectives.

Selected Project Experience

▶ **Water & Wastewater Master Plan Updates – City of Palm Bay, FL**

Project Manager for the City's 20-year Water Master Plan and Wastewater Master Plan, performed under the City's Continuing Consultant Engineering Services Contract. Responsibilities included development of hydraulic system models, facility assessments, and capital improvement project costing to support long-term utility planning and future infrastructure improvements.

▶ **Utilities Continuing Engineering Services – City of Palm Bay, FL**

Project Manager for multiple assignments under the City's Continuing Consultant Engineering Services Contract, supporting the Utilities Department with planning, design, permitting, bidding, construction engineering, and staff augmentation services for critical water and wastewater infrastructure improvements. Representative assignments include Lift Station No. 1 Replacement, Lift Station No. 5 Relocation and Force Main Improvements, Miscellaneous Water Main Improvements at 11 locations, and the Malabar Road Water Main Extension..

▶ **Indian River Lagoon Basin Management Action Plan (BMAP) Remediation & Nutrient Reduction Planning – City of Palm Bay, FL**

Project Manager supporting regulatory planning efforts under the City's Continuing Consultant Engineering Services Contract, including development of the Wastewater Treatment and Onsite Sewage Treatment and Disposal System (OSTDS) Remediation Plan in accordance with Florida Department of Environmental Protection requirements and evaluation of biological nutrient removal alternatives for the North Regional Wastewater Treatment Plant.

Clayton McCormack, PE

Sr. Civil Engineer, Planning & Studies

Continued from Previous Page

▶ North Regional Wstewater Treatment Plant (WWTP) Biological Nutrient Removal Evaluation – City of Palm Bay, FL

Project Manager / Technical Lead for the evaluation of biological nutrient removal alternatives at the North Regional Wastewater Treatment Plant. Responsibilities included developing conceptual alternatives for biological nutrient removal and assisting the Utilities Department with regulatory issues related to nutrient removal.

▶ North Port Utility Complex Site Master Plan & Design – City of Port St. Lucie, FL

Project Manager leading a team to conceptualize and design the conversion of an abandoned wastewater treatment facility into a Utilities Department remote service yard for the collections/distribution division. The project included a covered storage structure, utilities vehicle parking, site improvements, and master planning for the future relocation of the Utilities Department warehouse.

▶ Okeechobee Road Watermain & Sanitary Force Main Extension – St. Lucie County Utilities Department, FL

Project Manager for the design, permitting, and bidding of approximately 21,000 linear feet of 12-inch water main and 25,500 linear feet of 6-inch sanitary force main within the FDOT SR 70 right-of-way. The project included utility system planning and engineering to extend existing infrastructure, improve system connectivity, and support future service to the fairgrounds property through coordinated design and permitting.

▶ Sykes Creek Regional Water Reclamation Facility Improvements – Brevard County Utility Services Department, FL

Project Manager / Technical Lead responsible for evaluating and designing improvements to the reclaimed water treatment system at the Sykes Creek Regional Water Reclamation Facility within the Indian River Lagoon watershed. The project included evaluation of the existing reclaimed water treatment, storage, and pumping facilities, as well as the design of a new chlorine contact chamber, yard piping improvements, and replacement instrumentation and control systems.

▶ DB Lee & Grant Street Water Reclamation Facility Biosolids Improvements – City of Melbourne, FL

Project Manager / Technical Lead for the design and construction phase services associated with solids handling, stabilization, and dewatering improvements at the DB Lee 7.0 MGD and Grant Street 5.5 MGD Water Reclamation Facilities. The project included selected demolition, aerobic digester improvements, and centrifuge dewatering equipment installation. Responsibilities included leading the engineering design and construction phase services for complex municipal infrastructure improvements supporting the implementation of critical capital improvement projects.



Andy Lemke, PE (IL, FL in Progress)

Civil / Environmental Engineer, Planning & Studies

Experience

14 Years

Education

MS, Civil Engineering, SDSU, 2012

BS, Civil Engineering, SDSU, 2011

Registration/License

Professional Engineer, Illinois, 062068207

Professional Engineer, Florida, Pending

Andy serves as a Project Manager and has been involved in the technical design of many water projects throughout his career. As a project manager, Andy is responsible for the successful completion of a project including maintaining communication with the client, staying on schedule/budget of the project, and checking technical quality of the work delivered.

Selected Project Experience

▶ **Waukegan Water Treatment Plant – Operational Evaluation, City of Waukegan, IL - Project Engineer**

HR Green was retained by the City of Waukegan to conduct an operational evaluation of the Water Plant and the water distribution system. The scope of services included an evaluation of the current operations of the water treatment plant and determining if the water treated at the Waukegan Water Treatment Plant (WTP) meets the US Environmental Protection Agency's (EPA) primary drinking water standards. In addition, HR Green conducted an inspection of each water treatment plant unit processes as well as the three remote booster stations, noting the current condition, operability, and noting any maintenance, reliability or service concerns.

Andy helped to develop a response to all 14 examples/accusations in the anonymous letter and complete a high level condition assessment of the existing water treatment plant and water distribution system for the ability to meet the primary drinking water standards.

▶ **Water and Sewer Rate Study, City of Wilton, IA - Project Engineer**

The City of Wilton requested that HR Green provide an update of the water and sewer rate analysis. The previous water and sewer rate analysis was conducted in 2012. The rate analysis entails developing rate structures that provide adequate funding now and in the future for the utilities' operations, maintenance, debt service, and future capital needs. This study would update the previous rate study completed by HR Green in 2012 to include recent maintenance projects at the water treatment plant, as well as planned capital improvements at the wastewater treatment plant.

Andy was responsible for completing the water/sewer rate analysis and completing the rate study report.

▶ **Water System Improvements, City of LaSalle, IL - Staff Engineer**

Andy was in contact with the city to obtain the required information to analyze the City's Water System. He performed population and water demand projections for the City to use for planning. He helped in cost estimations for possible alternatives to increase the City's water supply and other improvements to the City's water system.

▶ **Water Model Update, Village of Mundelein, IL - Staff Engineer**

HR Green was contracted by the Village of Mundelein (City) to update their existing water model using WaterGEMS.

Andy was responsible for preparation of the hydraulic model, analysis of the water distribution system, anticipated project costs, and report development



Scott Cunningham, PE, CFM, ENV SP

Drainage/H&H Modeliing Lead

Experience

5 Years

Education

BS, Civil Engineering

Registration/License

Professional Engineer, FL #101182

Professional Engineer, AZ #83265

Professional Engineer, TX #125747

Specialized Training & Certifications

Certified Floodplain Manager, TX #281-16N

Envision Sustainability Professional, National

Affiliations

American Society of Civil Engineers (ASCE)

Texas Floodplain Managers Association (TFMA)

Texas Tech Young Guns (Board Member)

Scott functions as the design team lead for water resource projects for HR Green. He manages a team of professional designers and technicians focused on modeling, planning, and design of drainage infrastructure. Scott offers a background in the design of detention basins, storm sewers, and storm water structures for governmental agency approvals utilizing AutoCAD Carlson and AutoCAD Civil 3D. In addition, Scott is experienced in hydrologic and hydraulic modeling analyses for large mixed-use and residential developments and is proficient in modeling software such as HEC-RAS, HEC-HMS, XP-SWMM and GIS. His work involves the development of detention and conveyance in environmentally sensitive watersheds, including consideration of natural stream design and wetland enhancements tor increased environmental protection and uplift.

Selected Project Experience

▶ **Armand Bayou Upper Reaches Drainage Improvements, Pasadena, TX – Project Engineer**

Lead Engineer to improve the drainage system for the Upper Reaches of Armand Bayou by improving approximately 5,400 LF of storm sewer system north of Fairmont Parkway from existing 15 inch through 48-inch RCP with a proposed 5’ x 4’ box section. The existing system currently discharges into Armand Bayou in the upper reaches portion of the channel. The new storm sewer system will flow into Willowsprings Bayou through a new, improved channel located in the Red Bluff Road right of way between Fairmont Parkway and Willowsprings Bayou.

▶ **Golden Acres Detention Basin-Sandy Lane, Pasadena, TX – Project Engineer**

Design of the Golden Acres Detention Basin with the intent to maximize the amount of storage capacity on the available land. The new detention basin required a 24-inch pipe outfall that conveys flow to the existing detention basin located on Armand Bayou near the intersection of Spencer Highway and Space Center Boulevard. Scott completed the drainage analysis of the project site and has since updated them using Atlas 14 rainfall data as requested by the County.

▶ **Northside/Northline Drainage and Paving Improvements, Houston, TX – Project Engineer**

A pilot project initiated by the City of Houston with Department of Housing and Urban Development Funds. The objective of the project is to improve approximately 85,000 linear feet of roadside ditches in the Northside area, bound by Tidwell Road, Fulton Road, Parker Road and McGallion Road. Scott re-designed the roadside ditch system and coordinated drafting efforts.



Mike Fisher, PLS (FL)

Survey Lead, GIS & H&H Mapping

Experience

31 Years

Education

BS, Surveying Engineering, Ferris State University

Registration/License

Professional Land Surveyor, FL #LS7708

Professional Land Surveyor, WI #2518-8

Professional Land Surveyor, IL #035-003443

Affiliations

Society of American Military Engineers

National Association of Environmental Professionals

Council for Urban & Economic Development (CUED)

National Brownfields Association (NBA)

Illinois Professional Land Surveyors Association (IPLSA)

Cedar Rapids Chamber Environmental Subcommittee

Environmental Professionals of Iowa (EPI)

Iowa Association of Business and Industry

Wisconsin Society of Land Surveyors (WSLS)

Mike's diverse surveying expertise, drawn from projects with DOTs, Tollways, Counties, ComEd, and other agencies like the Army Corp of Engineers includes GPS control surveys, land, rail and route surveying and construction projects, as well as high definition 3D laser scanning, flood mapping revision and hydrographic surveys. His responsibilities also include the management and quality control of surveying projects as well as preparation of surveying documents.

He has implemented and applied numerous CAD, civil engineering, and surveying programs in the processing and automation of aerial, hydrographic, laser point cloud, surveying, and CAD data for both surveying and civil engineering projects. Mike has extensive experience in large boundary and topography surveys in excess of 2,000 acres; state, county and municipal ROW surveys; NGS First Order Geodetic Control Projects; transmission power line route and rail surveying, floodplain mapping, and residential, commercial and industrial ALTA/ACSM Land Title Surveys.

Selected Project Experience

▶ **Survey Document/Plat Review – Northeastern Illinois Municipalities/Agencies – Professional Land Surveyor**

Mike performed review of survey documents submitted to numerous municipalities in Northeastern Illinois including McHenry, Richmond, Spring Grove, Johnsburg, Fox Lake, Antioch, Harvard, Marengo, Lake in the Hills, Mundelein, Oswego and Homer Glen along with IDOT District 3 for comment and approval on behalf of the municipality/agency. He was responsible for reviewing the consultant's submittal of legal descriptions, subdivision plats, easement plats, annexation plats, and dedication/vacation plats for compliance with Illinois statutory requirements and conformance with engineering design, professional standards, and municipal ordinances.

▶ **Naperville Rd/I-88 R.O.W. Survey – DuPage County, IL – Land Survey Manager**

Project involved plat of highways for approximately 100 parcels of land in Naperville for the intersection improvements at I-88 and Warrenville/Naperville Roads. Work included boundary surveys, topographic surveys, and utility surveys. The project involved detailed analysis of title commitments and deeds for the various parcels. Mike was the Project Manager for the preparation of the plat of highways. He coordinated with multiple design firms and agencies to compile accurate plats and legal descriptions.

▶ **Survey Document/Plat Review – Northeastern Illinois Municipalities/Agencies - Professional Land Surveyor**

For the last 20 years, Mike has performed review of survey documents submitted to numerous municipalities in Northeastern Illinois including McHenry, Richmond, Spring Grove, Johnsburg, Fox Lake, Antioch, Harvard, Marengo, Lake in the Hills, Carpentersville, Mundelein, Oswego and Homer Glen along with the Illinois Tollway and IDOT District 3 for comment and approval on behalf of the municipality/agency.

He was responsible for reviewing the consultant's submittal of legal descriptions, subdivision plats, easement plats, annexation plats, and dedication/vacation plats for compliance with Illinois statutory requirements and conformance with engineering design, professional standards, municipal ordinances, and agency standards.



David Trafton

Construction Engineering & Inspection

Experience

43+ Years

Education

Master's Degree Program, Public Administration, University of Central Florida

B.A., Urban & Regional Planning, Florida Atlantic University

A.A., University of South Florida

Registrations / Certifications

FDEP Qualified Stormwater Management Inspector

FDOT Construction Training Qualification Program – Plans Reading & Signalization

FDOT Construction Training Qualification Program – Concrete Placement & Inspection

FDOT Construction Training Qualification Program – Asphalt Paving Technician Level I

Florida Safety Council – Maintenance of Traffic (Intermediate)

Florida Treasure Coast Safety Council – Work Zone Concepts Level III

FEMA Incident Command System (ICS 100, 200, 700, 800, G300, G400)

US Coast Guard OUPV Certified Captain

Mr. Trafton brings more than 43 years of experience supporting the construction of public infrastructure and capital improvement projects throughout Brevard County and Florida's Space Coast. His background includes construction engineering and inspection (CEI), construction observation, contract administration, utility construction, roadway and drainage improvements, stormwater infrastructure, and capital improvement program (CIP) implementation. He has extensive experience coordinating with contractors, engineers, regulatory agencies, and local governments to help ensure projects are constructed in accordance with plans, specifications, and applicable standards. His experience spans municipal, county, and state transportation projects, with particular expertise in construction observation, quantity verification, contract administration, project documentation, and field coordination.

As Construction Engineering & Inspection (CEI) Lead, Mr. Trafton will provide construction observation, field coordination, documentation, quantity verification, contractor coordination, and quality assurance support for stormwater, drainage, roadway, and municipal infrastructure improvements. He will work closely with City staff, contractors, and the design team to help ensure projects are constructed in accordance with the contract documents while minimizing impacts to the public.

Selected Project Experience

▶ **Stormwater Infrastructure Improvements – City of Indian Harbour Beach, FL**

Construction Observer supporting the City's stormwater improvement program, including the Alhambra Street Exfiltration Project, Atlantic East & West Boulevard Exfiltration Projects, and City Hall Baffle Box improvements. Provided field observation and construction support during implementation of stormwater infrastructure improvements.

▶ **Bignonia Street Culvert Replacement – City of Melbourne, FL**

Provided construction engineering and inspection support for drainage improvements associated with the Bignonia Street Culvert Replacement project.

▶ **Solid Waste Capital Improvement Program – Brevard County Solid Waste Management**

Construction Coordinator supporting capital improvement projects for Brevard County Solid Waste Management. Responsibilities included engineering plan review, budget development, value engineering, contractor coordination, project documentation, and regulatory compliance for landfill, drainage, utility, and facility infrastructure improvements. Representative projects included Sarno Landfill Stormwater Improvements, slurry wall closure, scale house improvements, paving improvements, and associated site infrastructure.

▶ **Utility & Capital Improvement Program Construction – City of Palm Bay, FL**

Provided construction inspection, contract administration, and project coordination for municipal water, sewer, roadway, drainage, and utility infrastructure improvements. Responsibilities included inspection of utility construction, review of plans and specifications, quantity tracking, payment documentation, contractor coordination, and construction observation for utility facilities, treatment plants, storage tanks, well field development, utility relocations, and roadway improvement projects.

David Trafton

Construction Engineering & Inspection

Continued from Previous Page

▶ Land Development Engineering Inspection Program – Brevard County, FL

Supervisor of Land Development Engineering Inspection responsible for overseeing inspection staff assigned to paving, drainage, grading, subdivision infrastructure, and right-of-way improvements. Responsibilities included coordinating NPDES inspections, construction meetings, final inspections, bond administration, payment documentation, and resolution of drainage and development issues.

▶ FDOT District 5 Construction Program – Florida Department of Transportation

Provided engineering technician support for roadway, bridge, drainage, and transportation construction projects throughout District 5, including the Eau Gallie Causeway Bridge, South Patrick Drive Widening, SR 50 Widening, and Pineda Causeway Revetment projects. Responsibilities included construction documentation, engineering support, and contractor coordination.

▶ Sarno Landfill Stormwater Improvements – Brevard County Solid Waste Management

Supported construction coordination for stormwater infrastructure improvements as part of Brevard County's Solid Waste Capital Improvement Program. Responsibilities included contractor coordination, engineering plan review, and construction oversight for site infrastructure improvements.

▶ South Patrick Drive Widening & Drainage Improvements – Florida Department of Transportation (FDOT) District 5

Provided construction engineering support for roadway widening and associated drainage improvements. Responsibilities included construction documentation, contractor coordination, and field support to help ensure work was completed in accordance with project plans and specifications.

▶ Units 9 & 10 Septic-to-Sewer Conversions – City of Palm Bay, FL

Provided construction inspection and contract management support for utility infrastructure improvements associated with the City's Septic-to-Sewer Conversion Program. Responsibilities included construction observation, contractor coordination, and inspection of water and wastewater utility improvements.

▶ Selected additional notable projects supported include (not limited to):

- SR 50 Widening & Drainage Improvements – FDOT District 5
- Minton Road Widening – City of Palm Bay
- Malabar Road Widening (Phases I & II) – City of Palm Bay
- Turkey Creek Bridge Widening – City of Palm Bay
- Kennedy Space Center Vehicle Assembly Building Bay Floor Remodeling – Infrastructure Solution Services

Exhibit C



Teresa Stadelmann, PE (IA), CFM, LEED AP

Technical Advisor - National Stormwater SME

Experience

14 Years

Education

MS, Civil Engineering, University of Minnesota

BS, Civil Engineering, University of Notre Dame

Registration/License

Professional Engineer - Civil, IA, 17948

Specialized Training & Certifications

Certified Floodplain Manager, US-12-06480, 2012

LEED Accredited Professional, 2008

Affiliations

American Society of Civil Engineers (ASCE)

Association of State Floodplain Managers (ASFPM)

Iowa Floodplain & Stormwater Management Association (IFSMA)

Teresa specializes in water resources engineering, with a wide range of experience in hydrologic and hydraulic analysis, watershed studies, flood control planning and design, floodplain modeling, BMPs, permitting, and storm water modeling and design for municipal and private clients. She is knowledgeable in XP SWMM modeling and analysis of storm water systems, GIS analysis, and urban water resources design engineering.

Teresa regularly manages water resources-focused projects that address challenging stormwater and floodplain management issues. In addition to her technical expertise, Teresa effectively manages multi-disciplined teams, schedule, budget and community outreach from the study phase through final design and construction on complex stormwater and flood control related projects.

Selected Project Experience

▶ Flood Control System - City of Cedar Rapids, IA - Project Manager

Teresa has been working on this significant flood control project for the City of Cedar Rapids since 2014. As a senior project manager for the west side design team, she has been involved in all aspects of the project, from engaging the public in a series of open house and work sessions, to developing the alignment for the flood control system and associated improvements and updating the overall Flood Control System Master Plan.

Since adoption of the plan, Teresa has been working closely with City committees and staff as well as outside agencies and permitting authorities to advance the design and construction of the flood control system, which includes levees, floodwalls, gates, and pump stations.

Teresa leads the team developing an XPSWMM-2D model of the interior drainage system for design of storm sewer improvements, detention, and pump stations as well as various design teams producing bid packages for levee, gatewell, and pump station construction.

▶ Flood Mitigation Study and Flood Protection System Design 2008-2018 - City of Coralville, IA - Project Manager

After a devastating flood in 2008, the City of Coralville contracted with HR Green to complete a flood mitigation study and develop recommendations and alternatives to reduce the risks posed by flooding from the Iowa River and Clear Creek. The projects and cost estimates identified in this plan were instrumental in preparing grant applications and obtaining over $53 million of outside funding for design and construction of the eventual flood protection system.

Teresa has been instrumental in the delivery of these projects from the very beginning, first as a project design engineer and later as project manager for levee, floodwall and pump station construction as well as development of a comprehensive O&M manual for the entire system.



Derek St. John, PE (TX), CFM

Technical Advisor - National Stormwater SME

Experience

25 Years

Education

BS, Civil Engineering, Texas A&M University

Registration/License

Registered Professional Engineer, TX #96623

Specialized Training & Certifications

Certified Floodplain Manager, TX #0619-04N

Affiliations

American Council of Engineering Companies (ACEC)

Association of Stater Floodplain Managers (ASFPM)

Texas Floodplain Managers Association (TFMA)

Derek has over 25 years of experience specializing in engineering analysis and design, complex hydrologic and hydraulic modeling, storm sewer analysis and design, roadway improvements, master drainage plans, impact mitigation, detention design, watershed studies, and GIS methods. He has successfully delivered numerous complex drainage improvements for many clients throughout the Greater Houston Area including the HCFCD, TxDOT, City of Houston, Jefferson County Drainage District No. 6, League City, and more. His strengths in communication and leadership have helped him successfully manage the pressures of delivering large, complex, multifaceted projects with multiple team members and multiple agencies.

Selected Project Experience

▶ **Design Engineering Services for TIRZs 1, 17, 21, 23, and 27 - Houston, TX**

Lead Drainage Engineer for TIRZ's 1, 17, 21, 23, and 27. Led the drainage analysis and assisted with developing capital improvements plan up to $250M for the design and construction of several mobility and drainage related projects that would ultimately promote redevelopment in the area.

Derek was responsible for grant applications for more than $100M for stormwater projects.

Derek assisted with managing the CIP projects through the City's process: planning, preliminary engineering, detail design, bid phase, and construction. Coordinated with other agencies - HCFCD, TxDOT and stakeholders like developers and property owners in the area. Additional responsibilities included assisting with public meetings, and finding suitable project candidates that are eligible for federal grants.

▶ **City of Houston Training - Houston, TX**

The City of Houston contracted with Gauge Engineering (now HR Green) in 2023 to develop a detailed training program to educate City Staff on different approaches and analysis techniques for roadway/ highway corridor drainage. Derek led the efforts, working with senior City leaders to outline the training content. The receiving audience included project reviewers from Capital Projects and Permits, and hands-on design and analysis engineers delivering in-house projects.

Derek developed content for both application training and model/project review. 8 hour training workshop delivered to 50+ Houston Public Works professionals. Provided both CFM and PE Continuing Education Credits.



Emily Lewis, EI

Stormwater Design Support

Experience

3 Years

Education

B.S., Civil Engineering, Florida Institute of Technology

Registration/License

Engineering Intern, Florida #1100028449

Ms. Lewis is a Staff Engineer supporting municipal stormwater and civil engineering projects throughout Florida. Her experience includes stormwater system modeling, drainage analysis, Environmental Resource Permit (ERP) support, water quality modeling, and preparation of engineering calculations for municipal infrastructure improvements. She works with multidisciplinary teams to support stormwater planning, design, permitting, and construction-phase services, with experience using ICPR and BMP Train models to evaluate and design stormwater management systems.

As Stormwater Design Support, Ms. Lewis will assist with stormwater system modeling, drainage evaluations, engineering calculations, permitting support, and preparation of design documents for the City's stormwater and drainage improvement projects.

Selected Project Experience

- **Atlantic Boulevard East & West Exfiltration Stormwater Improvements – City of Indian Harbour Beach, FL**

  Supported stormwater design for exfiltration system improvements by assisting with engineering analyses, preparation of design documents, and technical support during project development.

- **City Hall Baffle Box – City of Indian Harbour Beach, FL**

  Supported stormwater treatment design through development of BMP Train water quality models for the City's baffle box improvement project.

- **Sports Complex Baffle Box Design – City of Indian Harbour Beach, FL**

  Supported the design of a stormwater treatment baffle box through engineering analyses and preparation of technical documents supporting project development.

- **School Road Drainage Study – City of Indian Harbour Beach, FL**

  Supported drainage evaluation and design through development of an ICPR stormwater model for proposed drainage improvements.

- **Frank Brown Park Stormwater Improvements – City of Panama City Beach, FL**

  Provided stormwater design support through development of ICPR models, preparation of drainage calculations, and Environmental Resource Permit (ERP) support for improvements to the City's stormwater management system.

- **Sleepy Lagoon Flood Mitigation Projects – Town of Longboat Key, FL**

  Supported stormwater modeling and GIS mapping for the Sleepy Lagoon flood mitigation projects through development and refinement of ICPR models, preparation of engineering exhibits, and technical analyses used to evaluate proposed drainage improvements and flooding conditions.

- **Melbourne Reverse Osmosis Water Treatment Plant Improvements – City of Melbourne, FL**

  Supported drainage design through preparation of drainage calculations, development of ICPR models, Environmental Resource Permit (ERP) support, and BMP Train water quality modeling.



Neako Villamil. EI

Civil Design, Permitting & Regulatory, and Construction Engineering & Inspection Support

Experience

4 Years

Education

B.S., Civil Engineering, Florida State University

Registration/License

Engineering Intern, Florida #1100029607

Affiliations

American Society of Civil Engineers (ASCE)

Mr. Ramirez-Villamil is an Engineering Intern with four years of experience supporting municipal infrastructure, utility, and civil engineering projects throughout Florida. His experience includes civil engineering design, permitting, utility coordination, construction engineering support, site investigations, GIS mapping, and preparation of construction documents for water, wastewater, and municipal infrastructure projects. He supports multidisciplinary teams through planning, design, permitting, engineering services during construction (ESDC), and construction coordination for public infrastructure improvements.

Selected Project Experience

- **Atlantic Boulevard East & West Exfiltration Stormwater Improvements – City of Indian Harbour Beach, FL**

  Provided civil engineering support for the design of exfiltration system improvements along Atlantic Boulevard East and West. Responsibilities include supporting engineering design, permitting, preparation of technical documentation, and coordination during project development for municipal stormwater infrastructure improvements.

- **Alhambra Street Exfiltration Stormwater Improvements – City of Indian Harbour Beach, FL**

  Provided civil engineering support for the design and permitting of exfiltration system improvements to enhance stormwater conveyance and reduce localized flooding. Assisted with engineering coordination and preparation of technical documents supporting project delivery.

- **City Hall Baffle Box – City of Indian Harbour Beach, FL**

  Supported the design and implementation of a nutrient-removal baffle box to improve stormwater treatment and water quality prior to discharge to the Indian River Lagoon. Responsibilities included supporting civil engineering design, cost estimating, modeling of nutrient-removal through BMP Trains software, permitting, engineering services during construction, site visits, submittals preparation of project documentation.

- **Sports Complex Baffle Box Design – City of Indian Harbour Beach, FL**

  Provided civil engineering support for the design of a stormwater treatment baffle box to improve water quality and reduce pollutant loading to the Indian River Lagoon. Assisted with engineering coordination and preparation of technical documentation supporting project development.

- **School Road Drainage Study – City of Indian Harbour Beach, FL**

  Supported the evaluation of existing drainage conditions and development of drainage improvement recommendations. Responsibilities include civil engineering support, engineering analyses, and preparation of technical documentation for the drainage study.

- **Frank Brown Park Improvements Project – Design - City of Panama City Beach, FL**

  Project Engineer supporting a comprehensive engineering study, evaluation, and engineering design of the existing stormwater system for Frank Brown Park, a 150-acre multi-use recreational public space. Responsibilities included site visits, conducting and preparing a new model in StormWise modeling software, modeling of nutrient-removal

Neako Villamil, PE

Civil Design, Permitting & Regulatory, and Construction Engineering & Inspection Support

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capabilities through BMP Trains, development of a prioritized infrastructure improvement roadmap, civil engineering design, cost estimating, permitting, and preparation of project-specific specifications for improvements to the site.

- **Sand Point Park Baffle Box – Design – City of Titusville**

  Project Engineer supporting the design of a stormwater treatment baffle box to improve water quality and reduce pollutant loading to the Indian River Lagoon. Responsibilities included supporting civil engineering design, cost estimating, modeling of nutrient-removal through BMP Trains software, and permitting of the new nutrient-removing baffle box system at Sand Point Park in Titusville, FL.

- **Post Office Ditch Closure Project – Design & ESDC – St. Lucie West Servies District, Port St. Lucie, FL**

  Project Engineer supporting civil engineering design, cost estimating, permitting, engineering services during construction, site visits, submittals, and preparation of construction-ready plans and specifications for construction of 72-inch Reinforced Concrete Pipe (RCP) to mitigate erosion and better enhance stormwater conveyance at the local post office within St. Lucie West Services District in Port St. Lucie, FL.

- **DB Lee Ditch Closure Project – Design – City of Melbourne**

  Project Engineer supporting civil engineering design, cost estimating, and permitting for construction of 66-inch Reinforced Concrete Pipe (RCP) to mitigate erosion and better enhance stormwater conveyance to protect existing wastewater treatment tanks at the City of Melbourne's DB Lee Water Reclamation Facility in Melbourne, FL.

- **Selected additional notable projects supported include (not limited to):**

  - NASA Booster Fabrication Facility Water & Sewer Engineering Study – Kennedy Space Center & Cape Canaveral Space Force Station, FL
  - NASA Booster Fabrication Facility Water & Sewer Improvements – Design & ESDC – Kennedy Space Center & Cape Canaveral Space Force Station, FL
  - Grant Street Phase I Improvements – City of Melbourne, FL
  - NASA KSC VAB High Bay 2 Floor Replacement – Kennedy Space Center, FL

Exhibit C



Joao Nascimento El

Engineering Design, GIS & Mapping Support

Experience

3 Years

Education

B.S., Civil Engineering, Florida Institute of Technology

Registration/License

Engineering Intern, Florida #1100029522

Affiliations

American Society of Civil Engineers (ASCE)

Order of the Engineer

BRASA (Brazilian Student Association)

Mr. Nascimento is an Engineering Intern supporting municipal infrastructure projects through GIS mapping, engineering analysis, data management, and civil engineering support. His experience includes developing GIS mapping for stormwater, potable water, and wastewater systems; preparing engineering reports, specifications, design calculations, and cost estimates; supporting permitting and QA/QC reviews; and assisting multidisciplinary engineering teams with planning, design, and construction support. He has contributed to municipal infrastructure projects throughout Florida involving stormwater, water, wastewater, utility, and capital improvement programs, with particular experience supporting GIS applications, hydraulic modeling, and engineering documentation.

As GIS & Mapping Support, Mr. Nascimento will develop GIS mapping, engineering exhibits, and spatial analyses to support stormwater planning, drainage evaluations, permitting, and design. He will assist the project team with data collection, engineering analysis, mapping, and preparation of technical documents supporting the City's stormwater and infrastructure improvement projects.

Selected Project Experience

▶ **Sleepy Lagoon Stormwater Improvements – Town of Longboat Key, FL**

GIS Specialist responsible for developing GIS figures illustrating proposed stormwater improvements, mapping the existing stormwater system, and preparing exhibits showing modeled water surface elevations for multiple storm events to demonstrate flooding conditions and proposed improvements.

▶ **Stormwater System GIS Mapping – St. Lucie West Services District, FL**

Engineer I responsible for reconstructing the District's stormwater system in GIS from available record information to develop an updated, comprehensive mapping of the existing stormwater infrastructure.

▶ **Reserve Community Development District Force Main Interconnect – St. Lucie County, FL**

Project Engineer supporting GIS reconstruction of the potable water and wastewater systems from record drawings to develop hydraulic models used for infrastructure evaluations, phased improvement planning, and interconnect feasibility analyses.

▶ **Lift Stations 12, 13, 14 & 73 Improvements – City of Palm Bay, FL**

Engineer I responsible for GIS analysis of the existing wastewater collection system to identify tributary service areas and support evaluation of proposed lift station improvements through mapping and engineering analysis.

▶ **Municipal Infrastructure Engineering Support – Multiple Florida Municipal Clients**

Supported municipal infrastructure projects for the Cities of Palm Bay, Melbourne, Cocoa, Panama City, Panama City Beach, and West Melbourne by preparing GIS mapping, cost estimates, engineering reports, specifications, design calculations, permits, QA/QC reviews, technical submittals, treatment plant capacity analyses, and engineering presentations.

Joao Nascimento EI

Engineering Design, GIS & Mapping Support

Continued from Previous Page

▶ **Lift Station Improvements – City of Palm Bay, FL**

Supported engineering evaluations for Lift Stations 12, 13, 14, and 73 by performing GIS analysis of the wastewater collection system to identify tributary service areas, supporting engineering analysis, data collection, and development of technical documentation for proposed improvements.

▶ **Septic-to-Sewer Program – City of Palm Bay, FL**

Provided engineering support for the City's Septic-to-Sewer Program through GIS mapping, data collection and analysis, cost estimating, report preparation, QA/QC reviews, engineering calculations, permit support, and preparation of technical documentation supporting project planning and implementation.

▶ **Water & Wastewater Master Plan Updates – City of Palm Bay, FL**

Supported the City's Water and Wastewater Master Plan Updates through GIS mapping, data collection and analysis, engineering calculations, cost estimating, report preparation, QA/QC reviews, technical submittals, and development of engineering exhibits and supporting documentation. Responsibilities also included assisting with treatment plant evaluations, permit support, and coordination with City staff to support long-range utility planning and capital improvement initiatives.

▶ **Selected additional notable projects supported include (not limited to):**

- NASA Infrastructure Improvements – Kennedy Space Center, FL
- Utility Infrastructure Improvements – Brevard County, FL
- Municipal Infrastructure Projects – Bay County, FL
- Water & Wastewater Improvements – City of Melbourne, FL
- Municipal Infrastructure Improvements – City of Panama City Beach, FL

Exhibit C

Years in the Industry: **29**

CERTIFICATIONS:
*Professional Wetland Scientist (*PWS 00001400*)*

FWC Authorized Gopher Tortoise Agent (GTA-09-00138I)

EDUCATION:
Florida State University - B.S. in Biological Sciences, 1996

Florida Institute of Technology – M.S. in Ecology, 2002

APPOINTMENTS:
Brevard County Flood Hazard Areas -Wetlands Working Group

City of Melbourne Beautification and Energy Efficiency Board

Brevard County Blue Ribbon Advisory Board for Transportation Infrastructure

Olde Eau Gallie Riverfront Community Redevelopment Committee

Brevard County EELs Selection and Mngt Committee

Office Address: 657 Montreal Ave Melb, FL 32935

Jon H. Shepherd, M.S., P.W.S.
PRESIDENT:ECOLOGIST

ATLANTIC ENVIRONMENTAL
ENVIRONMENTAL PERMITTING & MITIGATION

Jon H. Shepherd has been a practicing ecologist in the State of Florida since 1996 and has owned and operated Atlantic Environmental since 2003. His experience includes project coordination, environmental planning and design, wetland mitigation bank design and permitting, wetland delineation, wetland monitoring and maintenance, wetland mitigation design and planting, submerged aquatic vegetation surveying, plant taxonomy and ecology, aerial photointerpretation, land management, fire management, Habitat Conservation Plans, endangered species evaluation, relocation, and mitigation, as well as Phase I hazardous waste assessments. This experience has given him the opportunity to form close working relationship with local, state, and federal agencies. He strives to develop effective permitting and mitigation solutions that successfully address the concerns and responsibilities of both developers and environmental regulators.

ROLE & EXPERIENCE

Environmental. 29 years of experience and 23 years with this firm.

PROJECTS

Algonquin Sports Complex (2025)

Atlantic Environmental completed an Environmental Assessment, formal Florida scrub-jay and gopher tortoise surveys, as well as conducted the relocation of all resident tortoises on the Indian Harbour Beach complex.

Brevard Zoo Aquarium (2025)

Atlantic Environmental completed Environmental Assessments and wetland delineations on the Canaveral Port Authority's land that is slated to house the Brevard Zoo Aquarium. Permitting through FDEP and USACE has been completed and the aquarium is slated for construction in 2026.

South Central Regional Wastewater Treatment Facility (2026)

Atlantic Environmental completed Environmental Assessments and wetland determinations for Brevard County's SCRWWTF. Crested caracara surveys were completed, and all aspects of environmental permitting are underway.

Whispering Pines Drainage Improvements (2025)

Atlantic Environmental conducted formal gopher tortoise surveys, delineated on-site wetlands, obtained St. Johns River Water Management District (SJRWMD) and Florida Fish and Wildlife Conservation Commission (FWC) permits, and completed the gopher tortoise relocations to allow the Brevard County drainage improvements to occur.

Exhibit C

Years in the Industry: **26**

CERTIFICATIONS:
Professional Wetland Scientist (PWS 1759)

FWC Authorized Gopher Tortoise Agent (GTA-09-00139E)

EDUCATION:
University of Miami - B.S. in Biology/Marine Sciences, 1992

San Francisco State University – M.S. Conservation Biology, 2000

APPOINTMENTS:
Professional Wetland Scientist Renewal Committee

Office Address:
657 Montreal Ave
Melb, FL 32935

David G. Purkerson, M.S., P.W.S.

SENIOR ECOLOGIST / VICE PRESIDENT

ATLANTIC ENVIRONMENTAL
ENVIRONMENTAL PERMITTING & MITIGATION

David G. Purkerson has worked as a professional environmental consultant and regulator in Florida since 2000 and with Atlantic Environmental since 2005. Duties and responsibilities focus primarily on the identification and delineation of State (Florida) and Federal wetland and jurisdictional lines, the development and implementation of wetland mitigation plans, development of wetland creation areas supporting appropriate hydrologic and vegetative characteristics, wetland monitoring of preserved, enhanced, and created wetland systems, seagrass surveys, saltmarsh/mangrove enhancement and restoration, supervising the eradication of invasive/exotic species from wetlands, identification of listed wildlife species and development of mitigation alternatives should impacts to these species and/or their habitat be proposed, and completion of all aspects of wetland permitting for the Local, State, and Federal wetland permitting processes. David has been utilizing GIS for over a decade and is proficient in ArcGIS 10.

ROLE & EXPERIENCE

Environmental. 26 years of experience and 19 years with this firm.

RELEVANT PROJECTS

Gleason Park (2025)

Atlantic Environmental completed formal gopher tortoise surveys on multiple occasions within Gleason Park for Indian Harbour Beach, obtained relocation permits through the Florida Fish and Wildlife Conservation Commission (FWC), and ultimately relocated the tortoises off-site out of harm's way.

Emerald Lakes (2026)

Atlantic Environmental completed wetland studies, wetland delineations, listed species surveys, and all environmental aspects of the ERP permitting through SJRWMD, USACE, FWC, FDEP, and USFWS to allowing the development of this 1,573-acre project site. Included in this endeavor was the completion of Florida scrub-jay surveys and the coordination with the regulatory agencies to acquire appropriate mitigation. The environmental permitting of the St. Johns Heritage Parkway from Babcock Street to Micco Road that bisects this site was also completed for the City of Palm Bay.

Liberty Park (2025)

Atlantic Environmental completed the wetland delineations and listed species surveying on this 483-acre project site in Vero Beach. The SJRWMD conceptual permit was obtained each phase is now being processed.

Exhibit C

CREDENTIALS

B.S. Civil Engineering – Georgia Institute of Technology (1981)

Professional Engineer (Civil) – FL (43882), NC (31040)

Membership: ■ American Society of Civil Engineers, ■ Coasts, Oceans ■ Ports & Rivers Institute ■ Florida Shore and Beach Preservation Association

HIGHLIGHTS

Mr. Bryant has over 40 years of experience specializing in the design, engineering and construction of port dredging and beach restoration projects, as well as hydrographic and geotechnical surveys. Mr. Bryant has managed large-scale beach restoration and various inlet and deep draft channel projects across the country. His responsibilities include project management, topographic and hydrographic surveying of channels and beach profiles, permit procurement, channel design and layout, borings analysis and testing of borrow and fill materials, preparation of plans and specifications, construction inspection, tidal studies, and design of erosion control studies. Mr. Bryant has extensive experience in obtaining state and federal permits for beach restoration and navigation projects in the State of Florida and has worked extensively with the staff of the USACE Jacksonville District and Florida Department of Environmental Protection (FDEP) staff in Tallahassee.

REPRESENTATIVE PROJECT EXPERIENCE

St. Lucie Inlet 2024 USACE Maintenance Dredging Project (7-Foot Entrance Channel and Impoundment Basin), Martin County, FL | Project Engineer | This project removed approximately 308,000 CY of shoaled maintenance material from the St. Lucie Inlet entrance channel and impoundment basin with placement in an offshore disposal area (Jupiter Island Borrow Site B) approximately 10.6 nautical miles southeast of the inlet. As project manager for the local sponsor (Martin County), Mr. Bryant served as liaison to USACE Jacksonville District construction operations staff; provided construction oversight and inspection; calculation of dredge and fill volumes; review of contractor pay applications; managed pre- and post-construction inlet and borrow site bathymetric and Queen Conch surveys, and assisted USACE in evaluation of contractor claims.

St. Lucie Inlet Management Plan Implementation Project, Stuart, FL | Consulting Engineer | Since 2001, GBA has provided inlet-related engineering, surveying, and inspection services to Martin County. Mr. Bryant has provided coastal engineering services for inlet improvements and sand bypassing projects for the past 25 years. Projects have included several maintenance dredging and new work excavation of a sediment impoundment basin for improved dredging efficiency and jetty improvements. Mr. Bryant oversaw a geotechnical investigation of rock substrate which resulted in modification of the USACE design and resultant project cost savings and continues to provide QC review of the USACE maintenance dredging plans and specifications. Continuing services include annual beach profile and inlet surveys to evaluate the littoral sediment budget and monitor shoaling rates, and the expansion of permitted dredging areas. Mr. Bryant has assisted the County in federal project design and coordination with the USACE, served on the Inlet Technical Advisory Committee, obtained state permits and water quality certifications, obtained easements for pipeline corridors, and provided construction inspection and nearshore hardbottom monitoring services for beach disposal projects in the Hobe Sound National Wildlife Refuge. Mr. Bryant provided the USACE design assistance and inspection services on the 2009 North Jetty Rehabilitation Project.

Jupiter Island Beach Restoration Project, Town of Jupiter Island, FL | Consulting Engineer | GBA has provided engineering, permitting, and consulting services for multiple beach nourishment projects and associated environmental monitoring for the Town during the past 40 years. Mr. Bryant has been responsible for state and federal permit acquisition, project design, plans and specifications, construction supervision, and environmental monitoring Sand searches associated with this project have resulted in a 20 million CY borrow site of compatible beach sediments. Other responsibilities have included annual borrow site and beach profile surveys, magnetometer surveys of borrow sites, sediment quality monitoring, and extensive reef and sea turtle monitoring. GBA has also performed post-storm documentation of hurricane damages resulting in over $17 million of Federal Emergency Management Agency public assistance grants.

Exhibit C

Mason Inlet Relocation Project and Long-Term Management Program, New Hanover County, NC | Engineer Of Record | GBA currently provides inlet management and mapping services for Mason Inlet which includes annual monitoring and periodic inlet dredging to maintain the channels within a designated corridor with beneficial reuse of sand on adjacent beaches. As project manager, Mr. Bryant oversees physical monitoring operations, including hydrographic, topographic, and aerial surveys. He has performed sediment transport evaluations of the inlet system and adjacent beaches and has provided planning analysis for long-term inlet management. Mr. Bryant is also responsible for environmental permitting support, preparation of plans and specifications, cost estimation, and construction management for maintenance dredging and beneficial reuse of inlet sediment.

Port Manatee Engineering\Surveying Service & Berth 4 Extension Project, Palmetto, FL | Project Engineer | GBA has been providing dredging engineering and hydrographic survey services to the Port since 2017. Mr. Bryant supervised the performance of multibeam and single beach hydrographic surveys of the Port's channels and berthing areas. Interfaced with Tampa Bay Pilots Association for determining maximum draft of cargo vessels at berth and acceptability of turning basin design. Mr. Bryant performed a feasibility study of a 600' berth & wharf extension and performed alternative dredging and disposal analysis. Developed various cost estimates and acted as liaison to the USACE for dredge material disposal options. Designed and developed plans and specifications for 500,000 CY basin dredging project, which included an in-bay disposal option. As the project required 2.8 acres of seagrass mitigation, GBA performed an investigation into a relic dredge pit offshore of St. Petersburg. The disposal option involved barging the dredged material 12 miles to the site with mechanical placement in the relic borrow pit. The design specifications called for returning the 31-acre dredge pit to ambient seafloor elevations to support seagrass growth, with subsequent planting of seagrass.

John F. Kennedy Space Center Hydrographic Surveys, Dredged Material Maintenance Area Rehabilitation, and Maintenance Dredging, Cape Canaveral, FL | Project Engineer | This project involved annual condition surveys and multiple maintenance dredging events for the 17-mile Saturn Barge Canal, Air Force channel, and turning basins which provide access from Port Canaveral to the NASA marine facilities. Under Mr. Bryant's management, the GBA team provided design support, plans and specifications preparation, construction management and inspection, and performed the rehabilitation and expansion of three upland disposal areas. Mr. Bryant devised and negotiated a lease agreement with the Jacksonville District for use of a USACE disposal site, which resulted in a considerable reduction in maintenance dredging costs. Additional services included engineering design and construction surveys for maintenance dredging projects, shoaling analyses, volume computations of dredged material, plans and specifications development, structural inspections, aids to navigation, and construction management for various projects.

Whiskey Joe's Shore Protection Project, Tampa, FL | Project Engineer | GBA was contracted by Specialty Restaurants, Inc. to evaluate and design a coastal protection seawall\revetment system to ensure the long-term viability of the restaurant, which was being undermined by coastal erosion. Mr. Bryant supervised the design and layout of the seawall and limestone toe scour protection affronting the wall. A wind and wave analysis was performed to provide data to determine the requisite size of the limestone rip-rap. Mr. Bryant coordinated the acquisition of the USACE, FDEP, and local municipal permits for the project. The seawall routing was aligned to avoid existing seagrass beds seaward of the building footprint. Upon installation of the 410' sheetpile seawall, approximately 500 tons of limestone boulders were placed at the base of the seawall to provide toe scour protection and minimize the reflection of wave energy to protect adjacent seagrass beds. Additionally, 3,000 cubic yard of beach compatible fill was placed behind the wall to restore the foundation of the building to ambient beach levels.

Fisher Island Groin Rehabilitation and Sand Tightening Project, Fisher Island, FL | Project Engineer | GBA was contracted by the Fisher Island Community Association to perform an assessment and design for the rehabilitation of the groin field and rock revetments affronting their beachfront, which was severely damaged by Hurricane Irma during September 2017. Mr. Bryant performed a field inspection and supervised the study to provide recommendations for the stabilization and future management of their beaches. GBA prepared plans and specifications for the recovery and restacking of the existing scattered boulders, which also included the importation of 1,800 tons of limestone boulders to restore the groin field to original design dimensions. The project also involved the sand-tightening of two terminal groins, which involved trench excavation and installation of geotextile underlayment, followed by the placement of 600 tons of limestone armor stone. Mr. Bryant prepared plans and specifications, assisted in permit procurement, supervised the geotechnical investigation and sediment analysis, and performed construction inspection and management.

Credentials

BS Civil Engineering, Clarkson University (2017)
Professional Engineer (Civil) – PA (PE094259), FL (97421), MD (0061829), TX (150524), LA (PE.0048912)
Professional Surveyor and Mapper – FL (LS7618)

Highlights

Mr. Norris is a Professional Engineer and a Professional Surveyor and Mapper with 9 years' experience and highly skilled in the fields of coastal engineering, topographic and hydrographic surveys, as well as ports engineering. With an academic background in structural engineering and business, Mr. Norris is well accustomed to the engineering design process and has led the design of multiple artificial reef projects throughout Florida's east and gulf coasts. He has also provided project management and construction inspection services on numerous projects including beach renourishments, inlet maintenance, shipping channel analysis, and barrier island rehabilitations funded through USACE and others. Previously as a Senior Port Engineer with Weeks Marine, he worked closely with naval architects, electrical engineers, and mechanical engineers to lead crews of craft workers while performing vessel modifications, upgrades, and new builds. He worked together with vessel crews while living offshore to assist in the development of numerical models for analyzing operational production, develop simulations, and report findings to senior level management. He also managed engineering and survey staff alongside an equipment pool with an overall value of over $5 million to provide industry leading survey technology to coastal and maritime field crews throughout the US.

Representative Project Experience

2025-2026 | Port Everglades Inlet Sand Bypass Project, Sand Trap and Rubble Shoal Removal, Broward County, FL | Project Manager / Surveyor | This project, which has been decades in the making, will benefit the overall Broward County Federal Shore Protection Project, improve the Port Everglades Federal Navigation Channel, and provide sand for the Broward County Segment III Shore Protection Project as well as future beach nourishment projects. The project will create a 7.1-acre sand trap north of the Port Everglades Entrance Channel, sand tighten the north jetty, clear existing rubble shoals, and create artificial reefs. GBA was contracted by GLDD to provide pre- and post-condition surveys, as well as on-call surveys, for the rubble shoal, sand trap, and offshore disposal area. Surveys consist of control establishment, shallow water multibeam hydrographic surveys, topographic surveys, and deepwater (depth of 750ft) multibeam hydrographic surveys. Mr. Norris served as the project manager, surveyor, and the Professional Surveyor and Mapper to certify the data sets.

2025 | Sand Key, Treasure Island, & Long Key Beach Nourishment, Pinellas County, FL | Project Engineer / Surveyor | Weeks Marine Inc. contracted GBA to serve as a third-party surveyor for dredging and beach fill operations on this Pinellas County Beach Nourishment Project. The Pinellas County Commission authorized funding for a one-time emergency beach nourishment project to include placing sand on the islands of Sand Key (Clearwater Beach to Belleair Beach and Indian Rocks Beach to North Redington Beach), Treasure Island and Upham Beach. The project was estimated to place more than 2.5 million cubic yards of sand on these

beaches. GBA provided plan view and cross section drawings as well as edited data required by Pinellas County for pay submittal packages. Additional surveys performed for WMI included magnetometer surveys of the staging and borrow areas. Mr. Norris served as the Professional Surveyor and Mapper to certify the data sets.

2025 | Clearwater Beach Marina Renovations, Pinellas County, FL |Project Manager, Surveyor of Record | GBA provided services for both the pre-construction and post-construction surveys for Orion Marine Construction, Inc at Clearwater Beach Marina in support of the construction of the new seawall. Services included multibeam hydrographic surveys of the marina. Mr. Norris served as the project manager and the Professional Surveyor and Mapper to certify the data sets.

2024 | Crystal River Energy Complex Post-Milton Clearance Surveys, Citrus County, FL | Surveyor | GBA performed emergency clearance surveys following Hurricane Milton of the Crystal River Energy Complex channels, intake canal, turning basin, and harbor area. Surveys included multibeam, side scan sonar, and NAV aid locating. GBA provided bathymetric maps, side scan imagery, and an extensive report of anomalies located within the navigable waters of the complex. Equipment utilized for surveys included a Norbit iWBMS Echosounder and an Edgetech 4125 Sidescan Sonar. Mr. Norris served as a Sidescan Sonar surveyor during periods of the project.

Ongoing | Town of Jupiter Island Annual Monitoring and On-Demand Beach Surveys, Martin County, FL | Surveyor of Record | GBA was contracted by the Town of Jupiter Island to monitor the conditions of the town's beaches on an annual and on-demand basis. Mr. Norris served as a topographic and hydrographic single beam surveyor during periods of the project as well as the Professional Surveyor and Mapper to certify the survey data sets.

2024-2025 | Port Tampa Bay Berth 214 Dredging and Construction, Hillsborough County, FL | Project Manager, Engineer of Record | The Berth 214 project consists of the construction of a new 1100' berth with fendering and high wind mooring points located south of the existing Berth 213 in the southeast corner of Hooker's Point, which is part of the Port Tampa Bay container yard. The project includes dredging of the berth area to -43 MLLW and installation of 1300 LF of a steel sheet pile wall with reinforced concrete cap. Imported structural fill will be utilized as backfill. Upland improvements will include grading, utilities (electrical, water and stormwater), lighting, and a crane rail. GBA has been contracted to provide pre- and post-dredge and interim on-call multibeam hydrographic survey, dredge volume computations, and progress bathymetric survey maps. Mr. Norris served as the project manager, Engineer of Record to perform calculations, and the Professional Surveyor and Mapper to certify the survey data sets.

Port Tampa Fuel Terminal – Global Partners (formerly Motiva), Hillsborough County, FL | Surveyor | GBA, with its partner S.T. Hudson, has been providing annual survey services for Motiva Enterprises, LLC since 2022. Surveys generally cover an 8.3-acre area, encompassing the port Tampa fuel terminal berthing area and adjacent port of Tampa ship channel. Our services have included single beam and multibeam hydrographic surveys, post-storm clearance surveys, bathymetric maps, and dredge volume computations. Mr. Norris served as a multibeam surveyor during periods of the project.

2024-2025 | Town of Jupiter Island, Beach Renourishment Project, Martin County, FL |

Project Manager | This project dredged and placed approximately 1.2 MCY of beach compatible sand along 7.4 miles of eroded Jupiter Island beachfront. Using hopper dredges, the construction contractor (Weeks Marine) excavated the material from Borrow B, approximately 1.6 nautical miles offshore, and hydraulically placed the material in two fill areas from the Hobe Sound Wildlife Preserve to the Public Beach and from the Public Beach to the southern terminus of the project. GBA was contracted to provide beach and borrow surveys to ensure adherence to the construction plans and specifications and to provide deliverables in support of the contractor's payment applications. Mr. Norris served as the project manager.

Mosaic Timber Dock Repair Survey, Hillsborough County, FL | Project Manager, Engineer of Record | This project is located at the western terminals of the Port Sutton Terminal Channel at the confluence of Hillsborough and East Bays in Tampa, FL. GBA was contracted to provide on-call multibeam survey services and mapping in support of this dock repair project. Mr. Norris served as the project manager, Engineer of Record to perform calculations, and the Professional Surveyor and Mapper to certify the survey data sets.

Kennedy Space Center Banana River Channel Surveys and Analysis, Cape Canaveral, FL | Project Manager, Engineer of Record | Since 1997, GBA has served as consulting engineers for the United Space Alliance and URS Federal Technical Services in support of NASA at Kennedy Space Center. GBA provides bi-annual hydrographic surveys, mapping, and shoaling analyses of the 17-mile Saturn Barge Canal, the Air Force Channel, and the Turning Basin in the Banana River between Cape Canaveral and Merritt Island. Services include calculations of dredging quantities, evaluation of bathymetric and volumetric changes, analysis of dredging requirements and methods, and development of conceptual maintenance dredging alternatives based on required levels of service. Mr. Norris' responsibilities included project management, scheduling and assisting survey crews, providing office support during data collection, performing volumetric calculations and additional engineering analysis after collection was complete as well as serving as the project's Engineer of Record.

Samsons Island, Satellite Beach Aquatic Restoration Habitat Design, Satellite Beach, FL | Project Manager, Engineer of Record | The City of Satellite Beach and community partners collaborated with the National Estuary Program (NEP) to restore impaired natural Indian River Lagoon (IRL), the longest saltwater lagoon in Florida and designated as an "Estuary of National Significance". Following habitat construction in a smaller Phase 1 Pilot Program, GBA was tasked with data collection and evaluation, bathymetric survey, geotechnical engineering, cost estimation, and design of a 7-acre restoration area. Mr. Norris' responsibilities included managing the completion of 30, 60, and 100% design plans, specifications, and cost estimate as well as serving as the project's Engineer of Record.

Gomez Key Oyster Reef Expansion Design, Cedar Key, FL | Project Manager, Engineer of Record | GBA was contracted by Johnson Mirmiran & Thompson (JMT) on behalf of FWC to design a habitat restoration area at Gomez Key. Mr. Norris' responsibilities included managing the completion of 30%, 60%, and 100% design plans, specifications, and cost estimates as well as serving as the project's Engineer of Record.

Exhibit C



S. T. HUDSON ENGINEERS, INC.
PROFESSIONAL ENGINEERS & CONSULTANTS

HEATH CRITTENDEN, PE

GULF COAST REGIONAL MANAGER

PROFILE

Mr. Crittenden has over 15 years of experience in marine and waterfront engineering, including the planning, design, and execution of complex port, terminal, and coastal infrastructure projects. Serving in roles ranging from Project Design Engineer to Engineer-of-Record and Project Manager, Heath's expertise spans the full lifecycle of marine facilities, including ship docks, cruise terminals, flood protection systems, and shipyard expansions.

He has specialized experience in pile-supported foundations, monopile dolphin systems, bulkhead and sheet pile wall design, and dredging coordination.

CONTACT

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813-838-7680

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EMAIL:
HCrittenden@STHE.com

LICENSES

PE - FL (PE79441), TX (120976), LA (PE.0041138), SC (33882), GA (PE055051)

FIELD OF SPECIALIZATION

- Marine Structural Engineering
- Container Port Dock Operations
- Bulk Product Dock Operations
- Fender Design and Material Sciences

EDUCATION

MBA / 2021 / Business Administration / University of South Florida
BS / 2010 / Civil Engineering / University of South Florida

MAJOR PROJECTS COMPLETED

- **Grand Bahamas Shipyard Upgrades, Freeport, Bahamas** (2025) – Project Manager & Designer for shipyard upgrades. The design of new structures to accommodate two new dry docks at the Grand Bahamas shipyard facility in Freeport, Bahamas. Structures included a new finger pier extension, multiple pile supported platforms, and mooring dolphins to secure the new dry docks and facilitate egress for shipyard equipment.
- **Flood Gate Design – Golden Pass LNG, Sabine Pass, TX** (2019-2021) Engineer-of-Record (EOR) The foundation design of two floodgates was located at north and south entrances with clear opening widths of 60' and 30', respectively. Both foundations for each floodgate needed a full redesign from the original concept, due to excessive down drag soil forces. Our engineering group designed a steel pipe pile supported concrete foundation for mounting the new floodgates. Underneath the concrete foundation, a new curtain wall of steel sheet pile was designed to prevent water piping under the foundation and into the facility. An anchored steel sheet pile bulkhead wall was designed as an extension of the floodgates that ran into the newly constructed levees surrounding the rest of the facility.
- **Marine Terminal Design – EPIC Midstream, Corpus Christi, TX** (2020-2021) EOR. The marine terminal development required design of a single ship dock capable of handling a Suezmax/Aframax vessel with dredged depth of -46.5' Mean Lower Low Water (MLLW). The facility's design consisted of a prefabricated steel dock with concrete topping, approach ramp, four 96" ø breasting monopiles, seven 72" ø mooring steel monopiles, and a cantilevered Pipe-Z combination wall. The design was developed to an Issued for Construction (IFC) status.
- **Targa Ship Dock 2, Galena Park, TX** (2021) - Engineer of Record for the design along the Houston Ship Channel in Galena Park, TX. This design took place in two phases. Phase 1 involved design of the approach ramp and landing area. Phase 2 required tying into the newly constructed landing area to finish the full build out of the dock. All of this was done to help the client maintain operations and limited the downtime of the berth. New dock 2 was constructed on the north side of the existing trestle. The new construction included a pile

- Static & Dynamic Mooring Analyses
- Post Event Damage Modeling/Analyses
- Construction Management
- Owner's Representation
- Program Management and Execution
- Engineering Resourcing and Management
- Constructability of Engineering Designs

supported dock equipped with marine loading arms (mlas) for unloading vessels. A deck-mounted crane was located on the east side of the dock to handle the gangway. In addition to the design of new dock 2, design of new mooring structures was included. For ship berthing, four new monopile breasting dolphins along with four new monopile mooring dolphins were designed and constructed. Also, new monopile protection piles were installed at the end of new pier 6.

- **Reynolds Pier Upgrades, Phase 1 – Port Authority of Jamaica, Ocho Rios, Jamaica** (2015-2020) Project Lead Designer. The design of a new berthing and mooring scheme at the existing Reynolds Pier provided for the design of a new approach trestle out to Reynolds Pier. The existing Reynolds Pier could no longer handle the imposed loading from berthing operations, so our engineering group was tasked with providing a solution to alleviate that stress. In total, after construction, there were six 84"-diameter breasting monopiles and six mooring dolphins all equipped with marine bollards for line loading of the respective vessels.
- **Dock 7, Barbours Cut Terminal – Port of Houston (for Enterprise Products), Houston, TX** (2014-2016) Project Lead Designer. The dock widening design and mooring improvements to existing Dock 7 at Barbour's Cut and the Port of Houston for Suez Class tankers included widening of the dock to accept new MLAs and the addition of new breasting and mooring structures for the design vessel. Also included was a new dockside gangway for vessel access.
- **Amber Cove Cruise Ship Docking Facility D-B – D.R. Cruise Port, Ltd., Bahia de Maimon, Dominican Republic** (2013-2016) Project Design Engineer. Carnival's new cruise ship port-of-call dock was designed to accommodate two vessels up to Royal Princess Class, but also capable of accommodating a variety of smaller cruise ships within the Carnival, Princess, and Holland America fleet. The pier is designed to withstand threshold Category 5 hurricane force winds; 100-year event waves; currents; and a massive 2,500-year seismic event due to the local geology and seismic fault lines running through the project site. The project included a 1,077' by 50' main pier; two concrete dolphins designed for cruise vessels up to 1,080' in length and displacements up to 75,000 tons (gross registered tonnage 139,000); 1.242-million CYs of dredging disposed of at an offshore site location; timber excursion dock; channel markers; and navigational beacons.
- **Eagleford Marine Terminal Design-Build, Corpus Christi, TX** (2018) - Project Lead Designer for a design build of a new marine terminal in Corpus Christi, TX. The design of this marine terminal facility included a two-level dock structure, approach trestle, six mooring dolphins, four breasting dolphins, pipe rack system, vapor destruction unit (vdu) platform, and a massive pipeline truss system with a maximum span of 115'. A design-related issue involved staged dredging of the site to allow for dock installation prior to final dredging of the full site.
- **Puerta Maya Cruise Ship Pier Extension, Cozumel, Mexico** (2016) - Project Design Engineer for a new cruise terminal extension located in Cozumel, Mexico for Carnival Cruise Lines. The design of the cruise ship pier extension included a 520'-long trestle leading to a 485' long pier with five monopile dolphins, one breasting dolphin, and one end mooring dolphin. Foundations were pipe piles with rock sockets containing concrete capping beams and prestressed concrete decking with concrete topping. The cruise pier was designed to withstand wind/sea states during a threshold category 5 hurricane.
- **Targa Ship Dock 4 D-B – Targa Resources, Galena Park, TX** (2012-2014) Project Design Engineer. The design of Targa Ship Dock 4 along the Houston Ship Channel consisted of demolition of the eastern end of the Targa dock, including Dock 2A and the approach. Designated breasting and mooring dolphins were also removed. The

new Dock 4 was constructed on the south side of the existing trestle. The new construction included a pile-supported dock equipped with a steel elevated platform to provide access for unloading vessels and barges. In addition, there were two unloading arms for butane and propane transfer. A deck-mounted crane was located on the west side of the dock to handle the gangways. Design of the dredging and mooring structures was also included. For ship berthing, six new monopile mooring dolphins were designed and constructed. New monopile protection piles were also installed at the end of new Dock 4. The design dredge depth at the face of the dock was -40' using the US Army Corps of Engineers (USACE) mean low tide (MLT) datum.

WORK EXPERIENCE

S. T. Hudson Engineers, Inc. (Gulf Coast Regional Manager)
2026 – Present
Structural Project Engineer/Project Manager/Construction Manager, specializing in marine engineering, project management, and construction management for marine/port facilities.

Orion Engineering / Schneider Engineering and Consulting (Director of Engineering Operations – Orion)
2012 – 2026
Started as a Junior Engineer and was promoted to eventually be named Director of Engineering Operations where he managed staff utilization and allocation of resources, led the engineering staff to deliver high quality work on time and on budget to repeat clientele and provided support and direction on each project while allowing the staff to make independent decisions.

Orion Construction, Inc. (Project Engineer)
2010 – 2012
Estimated material and labor cost for heavy civil marine projects in the Florida and Virginia areas. Utilized project scheduling software for efficient and timely completion of various projects.



Victor Gallo, PE

Professional Qualifications

- Professional Engineer, FL 75592

Education

- Master of Science, Engineering Management, University of South Florida
- Bachelor of Science, Civil Engineering, University of South Florida

Special Qualifications

- 25 years of experience specializing in stormwater design, drainage engineering, and environmental permitting across Florida
- Drainage Design Engineer for the Space Coast Trail Final Design, FDOT District Five, Brevard County, providing drainage design and environmental permitting for the first 11-mile section of a 30-mile bike/pedestrian trail from Merritt Island Refuge to Canaveral National Seashore
- Proven expertise in stormwater master planning, including citywide existing conditions modeling, capital improvement project development, multi-factor prioritization matrices, and renewal and replacement program development

Relevant Experience

Brevard County Professional Engineering Continuing Consultant Services for Stormwater Master Planning and Analysis and Pollution and Flood Reduction Design Projects, Brevard County, FL – Victor served as Project Manager for this ongoing countywide stormwater master planning contract. Work includes developing a citywide existing conditions model (ECM) using ICPR4, based on GIS data, field visits, as-builts, and existing models. The model is refined with additional survey data and calibrated to develop up to 20 capital improvement projects (CIPs), each assigned an opinion of probable cost and ranked using a multi-factor decision matrix. A renewal and replacement (R&R) program is also being developed to identify stormwater systems needing repair or replacement. The updated Stormwater Master Plan report summarizes model development, existing infrastructure conditions, conceptual improvement layouts, cost opinions, priority matrices, and potential grants. The project includes coordination with regulatory agencies, right-of-way acquisition support, cost estimation, value engineering, and maintenance considerations.

Space Coast Trail Design from Merritt Island Refuge to Canaveral National Seashore, FDOT District Five, Brevard County, FL – Drainage Design Engineer. Following completion of the PD&E study for this 30-mile proposed 8- to 12-foot-wide bike/pedestrian trail, Kimley-Horn was selected to design and prepare construction plans for the first 11-mile section. Victor provided drainage design and environmental permitting services, including pavement design for a railroad crossing, structural design of a box culvert and overhead cantilever signage, signing and pavement marking, milling and resurfacing, ADA accommodations, intersection design, and utility coordination. This project is part of a connected coast-to-coast bike/pedestrian trail system extending across Florida from the Gulf of Mexico to Canaveral National Seashore.

SR 528 from East of SR 524 (Industry Road) to East of SR 3, FDOT District Five, FL – Drainage Engineer-of-Record. This project widened a 3.6-mile segment of SR 528 from four to six lanes, adding express lanes and reconstructing the US 1 and SR 3 interchanges, as well as bridges over the Indian River. Victor led drainage design and permitting for the full corridor, including design of a shared-use trail segment as part of the East Coast Greenway Trail. Services included roadway and structures design, drainage and permitting, environmental coordination, traffic and signals, geotechnical, ITS and lighting, public involvement, utility coordination, surveying, and landscape architecture. Victor also assisted with the PD&E re-evaluation for the proposed express lanes.

Citywide Stormwater Master Plan and Stormwater Rehabilitation and Repair Program, Port Orange, FL – Project Manager. Victor was contracted to update the City's stormwater master plan, including workplan development, research on priority stormwater issues, stormwater model calibration, capital improvement project development, cost opinion generation, and project prioritization using a multi-factor decision matrix.

Districtwide Drainage Contract, FDOT District Five, FL – Project Manager. Victor managed this five-year, task work order-based contract providing districtwide drainage engineering services to FDOT District Five. Work included drainage and flooding complaint studies, plans review, drainage design, plans production, support to FDOT drainage staff, and assistance with in-house design projects.



Jackie Brower, PE, PhD

Professional Qualifications

- Professional Engineer, FL 89887

Education

- Ph.D, Coastal and Oceanographic Engineering, University of Florida
- Master of Engineering, Water Resources Engineering, University of Florida
- Bachelor of Science, Civil Engineering, University of Florida
- USAF ANG Officer Commission, Academy of Military Sciences

Special Qualifications

- Flood protection and coastal resiliency expertise across shoreline protection, erosion control, beach nourishment, coastal structures, and urban waterfront design, with experience applying Engineering with Nature and gray-green infrastructure solutions
- Strong technical analysis and modeling background, including data collection and instrumentation, numerical simulation, and hydrodynamic and water quality modeling to support resilient coastal and waterfront designs
- Coastal and waterfront engineer with 15 years of experience leading multidisciplinary projects focused on flood resiliency, marine and waterfront infrastructure, beach nourishment, and sustainable urban waterfront development

Relevant Experience

Raise and Rehabilitation of the Castillo de San Marcos Seawalls, National Park Service, St. Augustine, FL – Project manager and coastal engineer for planning and designing the resiliency and coastal protection project for the historic Castillo de San Marcos National Monument seawalls at the 400-year old Fort. Currently designing the rehabilitation of approximately 1,400 linear feet of historic seawall, using unique materials to preserve cultural history of site. Responsible for inspection, planning, and initial design, permitting, and compliance for the seawall project, including securing Federal and State permits through USACE and FDEP, as well as, developing an Environmental Assessment and potential area impacts of the seawall repairs in compliance with the National Environmental Policy Act (NEPA).

Coastal Protection and Shoreline Resiliency, National Park Service, Everglades, FL – Project Manager and coastal engineer for designing the marine works to support the Gulf Coast Visitor Center redevelopment project. The coastal and marine elements included design and construction oversight of a living shoreline and mangrove forest, raising and installing new bulkheads, marina expansion, floating dock construction, boat ramp construction, maintenance dredging activities, and resiliency planning measures.

Coastal Engineering Services and Beach Nourishment, Hillsboro Beach, FL – Coastal engineer. Developed beach management and resiliency plans; supported navigational safety program design; and secured more than $15 million in funding for beach nourishment, storm recovery, and hazard mitigation (FEMA, FDEP, FDEM). Served as project engineer for a $4 million beach nourishment project, including design, permitting, and placement of 65,000 CY of sand. Led FEMA coordination and reimbursement, construction administration, permit compliance, and funding documentation for post hurricane renourishment efforts.

Loggerhead Dock Replacement at Dry Tortugas, National Park Service, Loggerhead Key, FL – Project engineer for the metocean and coastal design of a pier structure to allow NPS vessels to service Loggerhead Key located in the chain of islands comprising Dry Tortugas National Park. The project includes the replacement of an existing dock structure on the island with an updated pier structure that extends into deeper water to allow the NPS vessel to dock and service the island and lighthouse storage there. Processed and performed quality control of collected wave data and analyzed metocean conditions (waves, water levels, winds) impacting the proposed dock location as well as developing design conditions and estimating wave loads on pier structure.

Naval Air Station Jacksonville, Shoreline Restoration, Jacksonville, FL – Coastal engineer responsible for initial assessment and scoping for a shoreline restoration of approximately 5 miles of shoreline along the west bank of the St. Johns River. Repairs include removal of existing deteriorated concrete rubble, regrading of shoreline, construction of stone shore protection, repair of bulkhead and pavement along seaplane ramp and helicopter landing area, and repair of shoreline and fence at the end of Runway 32.

National Park Service National Mall and Memorial Parks (NAMA) Seawalls and Shoreline Rehabilitation, Washington, DC – Coastal engineer. Responsible for water level design criteria for pier elements and metocean conditions for the Tidal Basin and West Potomac Park seawalls.



Desi Maldonado, PE

Professional Qualifications

- Master of Science, Structural Engineering, Florida State University
- Bachelor of Science, Civil Engineering, Florida State University

Education

- Professional Engineer, FL 72978
- National Council of Examiners for Engineering and Surveying Records Certificate, 51873

Special Qualifications

- Two decades of experience in civil, structural, ports, and coastal engineering, with a primary focus on marine and coastal infrastructure, including cruise berths, ports, wharves, docks, piers, bulkheads, seawalls, boardwalks, water treatment facilities, and pile-founded structures
- Extensive technical and project leadership experience spanning dredging, master planning, site plan design, structural design and analysis, facility assessments, cost estimating, preparation of construction documents, interdisciplinary coordination, and on-site construction administration and inspection
- Industry leader in ports planning and design, with deep-water port and cruise operations expertise

Relevant Experience

Cruise Terminal A, PortMiami, Miami, FL – Engineer of Record. Desi served as Engineer of Record for marine structures supporting development of Cruise Terminal A at PortMiami, designed to accommodate Oasis Plusclass cruise vessels. His responsibilities included structural design of bulkhead systems, fendering and mooring systems, gangway foundations, and marine apron areas. The project required coordination with dredging, upland civil works, and cruise ship operations, and involved extensive cost estimating and constructability considerations in an active, hightraffic port environment.

Cruise Terminal 3, Port Canaveral, FL – Lead Marine Structural Engineer. Desi served as Lead Marine Structural Engineer for the design of Cruise Terminal 3 at Port Canaveral. His work included design of bulkhead systems, tieback anchors, marine apron, and associated structural elements to support new terminal construction and larger vessel berthing. The project required integration of marine structural design with upland development, dredging coordination, and port operational requirements.

Navarre Beach Causeway Seawall Inspection and Repairs, Navarre, FL – Engineer of Record. Desi served as Engineer of Record for inspection, emergency repair, and replacement design of approximately 3,800 linear feet of existing seawall along the Navarre Beach Causeway. The seawall had experienced multiple failure modes, including rotational failure, material loss through wall joints, and damage to the concrete cap. Desi led field inspections, developed repair strategies, coordinated permitting with regulatory agencies, and prepared construction documents to address critical vulnerabilities in a highly exposed coastal environment.

PanAmerican Wharf Berth Improvements, San Juan, PR – Structural Engineer. Desi served as Structural Engineer for berth improvements at the PanAmerican Wharf to accommodate Freedom and Quantumclass cruise vessels. His responsibilities included structural analysis and design of upgraded mooring bollards ranging from 150 to 200ton capacity, along with additional fender systems. The work supported increased vessel loads and operational demands while extending the service life of existing marine infrastructure.

Texas A&M Galveston Ship Dock Improvements, Galveston, TX – Project Manager. Desi served as Project Manager and Engineer of Record for marine and civil infrastructure supporting development of a new ship dock facility funded by the U.S. Department of Transportation Maritime Administration. The project included design of a new openpile pier, bulkhead systems, shore protection, dredging coordination, utilities, and a heavyduty marine apron. The work also required coordination with USACE permitting and NEPA review requirements.

New College Seawall and Dock Replacement, Sarasota, FL – Lead Structural Designer. Desi served as Lead Structural Designer for seawall and dock replacement at New College of Florida in Sarasota. His responsibilities included preparation of structural calculations, construction documents, and coordination with coastal permitting agencies. The project involved architecturally sensitive seawall design, dock replacement, upland improvements, and construction observation in a coastal academic campus setting.

Exhibit C

Susan J. Hall, American Society of Landscape Architects
Principal in Charge
Susan Hall Landscape Architecture, Inc.
244 McLeod Street, Merritt Island, Florida 32953
321-449-0790; 305-796-2574



EDUCATION, PROFESSIONAL REGISTRATIONS & AFFILIATIONS:
Bachelor of Science, Landscape Architecture,1980 Purdue University
American Society of Landscape Architects, Florida License #853
LEED Accredited Professional, 2009
WOSB, 2015-2027

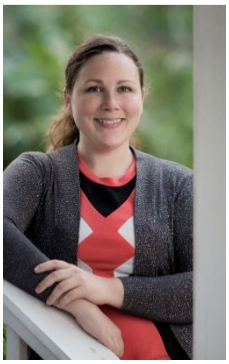
EXPERIENCE: 44 years. Mrs. Hall established Susan Hall & Associates, Inc. in 1982, in Miami, Florida. The firm continued to grow and in 1997 opened a second office on Merritt Island, Florida, where it is based today. Susan Hall, Owner and President, is involved in all aspects of the company's operations and project management, including site analysis and design, cost estimating, review of plans for quality assurance, project coordination with team members, on-site observation during construction and Client-support throughout the project. Susan also lectures to various civic and professional groups in Brevard County on a regular basis, and frequently has featured projects in local and national publications.

AWARDS & PROFESSIONAL/COMMUNITY INVOLVEMENT:
Brevard County Task Force / New Landscape Ordinance
Merritt Island Redevelopment Agency Beautification Board
Brevard Zoo Prime Consultant / Design Lead for Paws-On Children's Water Play Park;
Meerkats Exhibit & Wild Florida Master Planning for expansion;
AIA Florida Design Award LEED Residential Design Award of Merit
Florida ASLA Design Award of Merit Gomberg Residence & ASLA National Award of Merit, Coconut Grove, FL

SELECTED PROJECT EXPERIENCE:

Similar Projects	
• Port St Lucie – Public Works – Port St Lucie, FL (Landscape, Irrigation) • Indian Harbour Beach Police Station – Indian Harbour Beach, FL (Landscape & Irrigation) • Indian Harbour Beach Fire Station Annex – Indian Harbor Beach, FL (Tree Preservation, Mitigation, Landscape, Irrigation) • City of Melbourne Police Department Melbourne, FL – (Landscape, Irrigation)	• Tomoka Elementary, Ormond Beach, FL – (Hardscape, Landscape, Irrigation) • Delaware North Administration Building; Titusville, FL – (LEED, Hardscape, Landscape, Irrigation) • Osceola County Fire Station #45 - Kissimmee, FL (Tree Preservation / Mitigation, Landscape, Irrigation); • Brevard County Sheriffs Training Facility - Viera, FL - (Landscape, Hardscape / Event plaza design, Irrigation)
Company Website	
www.Hall-la.com	

Exhibit C



Megan R. Magwire
Project Manager/Landscape Architect
Susan Hall Landscape Architecture, Inc.
244 McLeod St, Merritt Island, Florida 32953
Office: 321-449-0790
Website: www.hall-la.com

EDUCATION, PROFESSIONAL REGISTRATIONS & AFFILIATIONS:
Bachelor Degree in Landscape Architecture, 2011University of Florida
Florida Registered Professional Landscape Architect, License #: LA2086
Completion of Rain Bird Academy Irrigation Design Training

EXPERIENCE: 15 years. Ms. Magwire is a registered landscape architect with the state of Florida and has worked with Susan Hall Landscape Architecture for more than 10 years. She was previously employed at Phil Graham Landscape Architecture in St. Petersburg, FL and has experience working on many projects throughout Central Florida. At Susan Hall Landscape Architecture, she works as a designer and project manager. Her responsibilities include site analysis and design, cost estimating, review of plans for quality assurance, and project coordination with team members.

Similar Projects	Other Projects
• City of Melbourne Police Department Melbourne, FL – (Landscape, Irrigation) • Tomoka Elementary, Ormond Beach, FL – (Hardscape, Landscape, Irrigation) • Deleware North Administration Building Titusville, FL – (LEED, Hardscape, Landscape, Irrigation) • Osceola County Fire Station #45, Kissimmee, FL (Tree Preservation / Mitigation, Landscape, Irrigation) • Brevard County Sheriffs Training Facility, Viera, FL - (Landscape, Hardscape / Event plaza design, Irrigation)	• Centerpoint Church, Palm Bay, FL - (Tree mitigation & preservation, Landscape, Irrigation) • Suntree Office Tower, Brevard County - (Tree mitigation & preservation, landscape design) • Hilton Garden Inn Hotel, Viera, FL - (Landscape, Hardscape, Landscape Lighting, Irrigation)

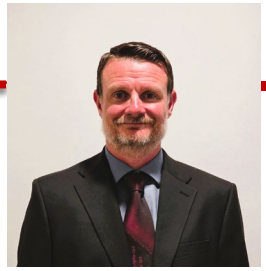


Exhibit C

Cameron Harmon, PSM

BENEFITS:

- FDOT ROW surveying
- Specialized experience with aerial, bathymetric, and hydrographic surveys

YEARS OF EXPERIENCE:

24 Total
<1 With Firm

EDUCATION:

Purdue University – Surveying Specific Courses 2 years
Ivy Tech Community College - A.G.S. General Studies (Associates of Science achieved)
WGU – Bachelor of Science, Business IT Management 2022

LICENSES /CERTIFICATIONS:

- Florida PSM License No. LS7483
- FAA Part 107 Certificate 4472322

Role: Project Surveyor

Cameron brings 24 years of surveying experience and is a Florida licensed surveyor. He has served as Project Surveyor for a variety of governmental projects including Florida Department of Transportation, South Florida Water Management District, West Coast Inland Navigation District, City of Ft. Myers, City of Venice, City of Tampa, Lee and Collier Counties, among others. In addition to right-of-way, topographic, control surveys, he is experienced in a full array of surveying services, including aerial, bathymetric, and hydrographic surveys.

Experience:

Florida Department of Transportation (District 1)

SR 45 (US 41) from South of Gulf Park Drive to South of Dunn-Russ Creek, Collier County, FL – Project Surveyor. Produced right of way control survey, sectional retracement, survey of taking parcels, legal description and sketches of right of way parcels, maintained right of way survey, right of way map preparation.

Florida Department of Transportation (District 7)

SR 400 (I 4) from West of Alexander Street to East of Polk Parkway, Hillsborough / Polk Counties, FL – Project Manager / Lead CAD Production Manager
Project network control survey, including data QA, data collection planning, and plan preparation.

South Florida Water Management District

Miller Canal Right of Way and Topographic / Bathymetric Survey, Collier County, FL – Project Manager. right of way, topographic, bathymetric, and aerial photogrammetric survey production; including management of data collection, data analysis and QA, right of way calculations, and CAD mapping production.

Golden Gate Main Canal Topographic / Bathymetric Survey, Collier County, FL – Project Manager. topographic, bathymetric, and aerial photogrammetric survey production; including management of data collection, data analysis and QA, and CAD mapping production.

I-75 Canal Right of Way and Topographic / Bathymetric Survey, Collier County, FL – Project Manager. Right of Way, Topographic, and Bathymetric survey production; including management of data collection, data analysis and QA, right of way calculations, and CAD mapping production.

Faka Union Canal Right of way and Topographic / Bathymetric Survey, Collier County – Project Manager. right of way, topographic, bathymetric, and aerial photogrammetric survey production; including management of data collection, data analysis and QA, right of way calculations, and CAD mapping production.

West Coast Inland Navigation District

Venice Jetty Hydrographic Survey, Venice, FL – Project Surveyor. Multibeam channel hydrographic survey to detect debris and note marker locations and condition; including data collection, crew management, data analysis and QA, and CAD production.

Exhibit C

Gulf Intracoastal Waterway Washout Survey, Venice, FL – Project Surveyor. Multibeam Channel hydrographic survey to map channel condition and washout material quantities for dredging; including data collection, crew management, data analysis and QA, and CAD production.

City of Tampa, FL

Water main and Utilities investigation topographic survey – Project Surveyor. Lead collection and processing of; and oversaw extraction of UAS collected LiDAR data and GPS data for topographic survey of full right of way width topo survey of +/-14 miles of roadway. Oversaw production and performed data analysis and QA of UAS collected data.

City of Venice, FL

Water main and Utilities investigation topographic survey – Project Manager / Project Surveyor. Oversaw collection, processing, and extraction of UAS collected LiDAR data and GPS data for topographic survey, including level B SUE locates for full right of way width topo survey of +/-3500 feet of roadway. Oversaw production and performed data analysis and QA of UAS collected data and terrestrial data.

City of Fort Myers, FL

Survey services for multiple municipal utility improvement projects – Project Manager. Surveys included: establishing right of ways, topographic surveying, construction staking, and as-built surveying with record drawing preparation and GIS deliverables.

Lee County

Lee County's Conservation - 20/20 environmental land acquisition and management program – Project Manager. Various ALTA Surveys

Lee County Solid Waste Buckingham Facility – Project Manager. ALTA and topographic survey including SUE utility locations.

Collier County

Madison Avenue Drainage Project, Immokalee, FL – Project Surveyor. right of way and topographic survey production; including management of data collection, data analysis and QA, right of way calculations, and CAD mapping management and production.

Lehigh Acres Municipal Services Improvement District (LA-MSID)

Wheeler Road Parcel – Project Manager. 105+/- acre boundary and topographic survey for weir relocation and water quality facilities.

Frank Mann Preserve – Project Manager. Aerial photogrammetric survey with topographic data extraction and rectified orthophotography for design.

Florida Keys Aqueduct Authority

Summerland Key Equalizer Tank Design – Survey Project Manager. Boundary and Topographic survey of tank site and approximately 800 feet of right-of-way for water main design. Oversaw collection, calculations, production and QA of survey data and deliverables.

Exhibit C

Lee County Electric Cooperative

Kismet Transmission Project – Project Manager. Route survey, establish right of way, establish control, mobile lidar scan of the corridor, limited topographic survey of obscured and adjacent areas, boundary survey for staging areas, and legal description and sketches for easement parcels.

Orlando Health

MOB Helicopter Flight Path – Project Surveyor. Oversaw collection, analysis of data, and extraction of UAS collected LiDAR for top of canopy collection. The purpose of this survey was to establish the elevations of treetops for route avoidance for FAA permitting.

Subdivision Plat Review

Performed plat review services for Charlotte, Hendry, Hillsborough, and Polk counties.

Construction Surveying

Managed construction surveying projects including but not limited to: Swell by Soltura, Industrial Park | Babcock National, USPS Cape Coral, and Coral Bay – Cape Coral.

Exhibit C

Company:	Terminus Surveying, LLC
Name of Individual	Jason Douglas
Position or title of individual	CEO, RSit
Years of Relevant Experience	**Total Experience**: 9 Years **Experience with Current Firm**: 8 Years
Work History	• **Firm Name:** U.S. Army (Active & Reserve) **Position Held:** Communications Non-Commissioned Officer in Charge (NCOIC) **Start Date – End Date:** 2000 – 2020 (Retired) **Job Responsibility #1:** Operated and maintained military communications systems. **Job Responsibility #2:** Supervised and trained up to 14 soldiers in RF theory and communications systems. **Job Responsibility #3:** Supported mission-critical operations during deployments to Iraq, Afghanistan, and Colombia. **Job Responsibility #4:** Maintained Secret Security Clearance; certified in signal and electronic warfare systems. • **Firm Name:** M. Mooney & Associates Land Surveyors, Inc. **Position Held:** Operations Manager / Draftsman **Start Date – End Date:** January 2015 – July 2017 **Job Responsibility #1:** Scheduled and managed survey jobs and drafting deliverables. **Job Responsibility #2:** Conducted research, planning, and drafting boundary and construction surveys. **Job Responsibility #3:** Coordinated with clients, engineers, and field crews. **Job Responsibility #4:** Oversaw CAD production and file management for submittals. • **Firm Name:** Terminus Surveying, LLC **Position Held:** Chief Executive Officer **Start Date – End Date:** July 2017 – Present **Job Responsibility #1:** Founded and scaled a successful land surveying firm, leading strategic planning, branding, and long-term business development. **Job Responsibility #2:** Manage all executive-level operations, including financial oversight, regulatory compliance, insurance, and licensing for projects statewide. **Job Responsibility #3:** Build and maintain key partnerships with engineering firms, municipalities, and private sector clients to drive growth. **Job Responsibility #4:** Oversee internal operations including staffing, hiring, training, and workflow coordination across field and drafting teams. **Job Responsibility #5:** Supervise preparation and finalization of ALTA/NSPS surveys, FEMA Elevation Certificates, plats, and legal exhibits. **Job Responsibility #6:** Direct QA/QC for all deliverables,

	enforce CAD and survey standards, and implement new technology and equipment systems.
Experience of relevant size, scope, and magnitude	Jason has 8 years of experience as a surveyor and is a Service-Disabled Veteran. Below is a small sampling of relevant projects Jason has performed work on: **Tampa International Airport** – Tampa, FL – Performed boundary surveys, setting of on-site control, topographic surveys, construction layouts and as-built/final as-built surveys for multiple hangers, taxiways, and runways. **Marina Bay 880** – Clearwater, FL – Performed boundary surveys, setting on-site control, construction layouts, as-built surveys, and elevation certificates for a $50M luxury residential complex. **Northshore Medical Facility** – Miami, FL – Performed ALTA survey of 571,000 square foot, 357 bed medical facility. **Gateway Center, Pinellas Park, FL** – Performed surveys, setting on-site control, construction layouts and as-built surveys for 100,00 square foot Amazon distribution center and industrial facility.
Description of Duty	**Contract Position**: ALTA Surveyor, Project Manager **Brief Description of Duties (2-3 Sentences):** Jason will be the primary reviewer of all field data collected, and draft/review the report which will be sent to VA for approval.
% of Time Committed to Project During Task Order Performance	**ALTA Survey - 30%** or whatever is required to complete all tasks within the timeframe required by the statement of work. **ALTA Survey Updates - 8%** or whatever is required to complete all tasks within the timeframe required by the statement of work.
Job related educational experience	B.A., Surveyor Management, Everglades University, Tampa, FL

Exhibit C

TSARK PERSONNEL

TSARK ARCHITECTURE

Gregory 'I. Tsark, AIA, LEED AP

Principal, Tsark Architecture, LLC

As principal of Tsark Architecture, Greg has provided service to institutions of higher learning, Fortune 500 defense contractors, public schools, and government institutions. During his time as Vice President of Facilities Operations and University Architect at Florida Institute of Technology, Gregory managed $125 million in new construction, renovations, and additions.

Greg received his degree in architecture from Tulane University in 2000. From 2005 until 2016, he was the University Architect for Florida Institute of Technology where he directed infrastructure planning and provided institutional representation for major campus developments and capital improvements. He founded Tsark Architecture with a dedication to the highest standards of professionalism, integrity, and competence in both his business practices and the rigorous demands of creating high quality work.

Specific Experience:

Melbourne-Orlando International Airport - Flooring Design
Greg served as the Architect of Record for the Airport's flooring replacement projects in both the ticketing and car rental areas. The airport requested flooring materials appropriate for high-traffic zones—such as terrazzo—paired with carpeted areas designated for rest and waiting. The organic layout also acts to guide circulation.

Melbourne-Orlando International Airport - Ceiling Design
Greg served as the Architect of Record for the Airport's ceiling design projects. The ticketing ceiling is currently under construction and is expected to be completed by the end of 2025. The car rental area is slated to receive new acoustic ceiling tiles, LED lighting, and mechanical grilles, with construction scheduled to begin in 2026.

Melbourne Airport Authority - Airport Main Entrance Monument Sign
Greg was the Architect of Record for designing a new monument sign at the airport's primary entrance. The current sign will be demolished and replaced with a contemporary structure that maintains the electronic display capabilities of the original. Perforated metal panels will allow programmable, multi-color lighting to illuminate the sign, which the airport can modify at its discretion.



1600 Sarno Road,
Suite 212
Melbourne, FL 32935
Phone: (321)241-6378
Email: greg@tsarkarchitecture.com

PROJECT ROLE:

Architect of Record,
primary contact

EXPERIENCE:

18 Years with Tsark Architecture
28 Years total in industry

LICENSE , ACCREDITATION, EDUCATION:

Florida registered architect #AR93669
LEED accredited professional
NCARB

Master of Architecture,
Tulane University School of Architecture

Bachelor of Architecture,
Tulane University School of Architecture

PROJECT AVAILABILITY:

30%

Exhibit C

TSARK PERSONNEL

TSARK ARCHITECTURE

Christopher Rhoden, Assoc. AIA

Senior Project Manager, Tsark Architecture

Chris is a Designer and Project Manager with over 40 years of experience in the design and construction of public works buildings, including fire stations, police stations, and local government administration buildings. Chris has broad experience with public continuing contract work that has been developed by consistently producing high quality projects that meet the owners' needs, are durable, functional, and designed and built on time and within budget. Chris also has broad experience in healthcare design.



1600 Sarno Road
Suite 212
Melbourne, FL 32935
Phone: (321)241-6378
Email: chris@tsarkarchitecture.com

PROJECT ROLE:

Senior Project Manager

EXPERIENCE:

3 Years with Tsark Architecture
41 Years total in industry

LICENSE OR ACCREDITATION:

Associate Member, AIA
Associate Director Space Coast AIA 2007-2010
Board of Directors Space Coast AIA 2007-2010

PROJECT AVAILABILITY:

30%

Specific Experience:

City of West Melbourne City Hall North Building
Chris is currently the Project Manager and designer on a new City Hall facility comprising offices, meeting spaces, city council chambers, and ancillary spaces totaling up to 14,600 sq ft.

Brevard County Fire Stations 40 and 42
Prototype design for a new 6,523 sq. ft. two-bay fire station. Concrete wall and roof construction. Includes day room, bunkroom, kitchen, office, and physical training. Reuse agreement for Fire Station 42.

Brevard County Fire Station 1
Chris was designer and project manager of a 12,588 sq. ft. fire station headquarters building for the City of Cocoa. Concrete walls with bar joist and steel roof deck construction. The facility consists of a four-bay fire station with offices. Dry room, bunk room and kitchen, administrative offices, and community meeting room.

Brevard County Wickham Park Community Center
Chris was designer and project manager for a new 18,000 sq. ft. community center featuring a basketball court, four large activity rooms and kitchen. Concrete walls with bar joist and steel roof deck construction.

Exhibit C

TSARK PERSONNEL

TSARK ARCHITECTURE

Shad Traylor, AIA, LEED AP

Senior Project Architect, Tsark Architecture

Shad is a project leader as Senior Architect at Tsark Architecture. In addition to receiving his Bachelor of Architecture degree at Kansas State University, Shad also has a Master's degree in Business Administration, and Arts Management and Leadership from Webster University. Shad holds a great extent of knowledge and experience pertaining to hangar projects.

Shad is currently a Registered Architect in ten states, offering an extensive knowledge of the profession as well as adding a determined spirit to our team.



1600 Sarno Road
Suite 212
Melbourne, FL 32935
Phone: (321)241-6378
Email: shad@tsarkarchitecture.com

PROJECT ROLE:

Senior Project Architect

EXPERIENCE:

4 Years with Tsark Architecture
37 Years total in industry

LICENSE OR ACCREDITATION:

Florida registered architect #AR93039
Registered architect in: Alabama, Colorado, Kansas, Missouri, North Carolina, Oklahoma, South Carolina, Texas, & West Virginia

Bachelor of Architecture, Kansas State University

Master of Business Administration, Webster University

Master of Arts in Management and Leadership, Webster University

LEED BD + C Accredited Professional

NCARB certificate

Construction Documents Technologist (CDT)

PROJECT AVAILABILITY:

30%

Specific Experience:

Melbourne Airport Authority Continuing Service Agreement
Shad was the Architect of Record, designer, and project manager of the new corridor and new international jet-way at the Melbourne Orlando International Airport in Melbourne, FL. This included interior demolition and build-out within a two story airport terminal facility.

Brevard County Continuing Services Agreement
Shad was Architect of Record, designer, and project manager for the Brevard County South Central Waste Water Treatment Center that include interior renovation and re-roof of existing building.

Brevard Public Schools Continuing Services Agreement
Under the continuing services contract, Shad was Project Architect and designer on the following projects: Eau Gallie High School Building 25 ADA Bathroom Modifications, Palm Bay High School CTE Fire Classroom, Palm By High School MJROTC Shooting Range, West Melbourne Elementary School for Science Classroom Addition, and for 10 (ten) schools front office security modifications.

RICHARD E. HOAGLIN, PE

REGIONAL MANAGER, ROCKLEDGE/PRINCIPAL ENGINEER

Richard Hoaglin has 34 years of experience which includes a broad range of experience in management and hands-on performance of geotechnical engineering, construction inspection, and environmental consulting activities. Mr. Hoaglin also has experience with geotechnical engineering theory related to the design of structures and roadways, with testing and inspection procedures, and with forensic engineering. He has performed many investigations on structural failures of asphalt pavements, concrete pavements, and buildings.

EDUCATION

BS, Civil Engineering,
Mississippi State University

YEARS OF EXPERIENCE

34

LICENSES

- Professional Engineer, FL #PE0048796
- Professional Engineer, GA #PE024920

CERTIFICATIONS

- Structural Masonry Inspector #GA2-99-306
- AHERA Asbestos Building Inspector
- SBCCI Building Inspector #8628
- Radiation Safety Officer
- FDEP Qualified Stormwater Management Inspector #6892
- Advanced Certified Stormwater Inspector #3689

AFFILIATIONS

- American Society of Civil Engineers

PROJECT EXPERIENCE

CITY OF PALM BAY FDR PAVEMENT RECLAMATION PROJECTS

PALM BAY, FL

Richard managed and provided pavement reclamation laboratory services along with materials testing services to include Preliminary Cores for Mix Design (2 man flag crew and sign/cones for rolling MOT), Soil Cement Mix Designs, Standard Proctor Tests, Wash 200 Sieve Analysis, Engineering Technician (to provide sounding, moisture and density tests during roadway construction), Cores for Compressive Strength and Compressive Strength of Cores.

T5555 SR 404 PINEDA CAUSEWAY BRIDGE REPAIRS

BREVARD COUNTY, FL

Richard managed and provided materials testing for the short east-west limited access highway connecting Wickham Road (Brevard County Road 509) near Palm Shores to SR A1A between Patrick Air Force Base and South Patrick Shores, Florida. This purpose of this project was to perform maintenance to the concrete support structure, including footers, columns and struts to expand its lifespan 25-50 years.

BRIGHTLINE HIGH-SPEED RAIL

CENTRAL FLORIDA

Richard managed and provided materials testing services and engineer review for the rail alignment and bridge work on the East West Zone 3 Section from Orlando to Cocoa. UES' Contractor Quality Control services include performing construction materials testing and sampling, inspection services, and site management for the rail alignment utilizing the following certifications and professional licensure: CTQP Level I/II Technician/Inspector, CTQP Asphalt Paving Inspector, Level I/II, Welding Inspector, Non-Destructive Testing Inspector (UT/MT/PT), and ACI Level I Concrete and ACI Level II Concrete transportation.

FDOT CONTRACTOR QUALITY CONTROL

BREVARD COUNTY/INDIAN COUNTY, FL

Richard manages the laboratory for CQC services in Brevard and Indian River County, Florida for FDOT projects. Past projects include SR 528 Bridge over the Indian River for Johnson Brothers Construction, SR 520 Bridge over the Banana River for Superior Construction, 11 miles of SR 60 2 lane Widening in Indian River County for Elmo Greer Construction, SR 520 Widening from I95 to

Orange County line in Brevard County for Westwind Construction, SR 70 widening east of the Turnpike for Ranger Construction, I-95/ widening from SR 519 to SR 528, and many various maintenance projects.

SW QUAD OF VIERA BOULEVARD & I-95

BREVARD COUNTY, FL

Richard managed and provided materials testing services and engineer review for the construction of new roadways, the enlargement of an existing wet retention pond and the construction of a new retention pond to replace an existing retention basin.

BREVARD PUBLIC SCHOOLS - DRINKING WATER SAMPLING FOR PFAS

TITIUSVILLE, FL

UES provided drinking water sampling for PFAS for 3 high schools with in the District. Richard served as the branch manager.

BREVARD PUBLIC SCHOOLS - EPA LEAD & COPPER DRINKING WATER CONSULTATION

BREVARD COUNTY, FL

UES provided EPA Lead and Copper drinking water consultation for the District. Richard served as the branch manager.

MOLD INSPECTION FIRE STATION 62

BREVARD COUNTY, FL

UES provide mold inspections for a portion of this shared space of this municipal building. Richard served as the branch manager.

MOLD INSPECTION VIERA BUILDING E

BREVARD COUNTY, FL

UES provide mold inspections for a portion of this shared space of this municipal building. Richard served as the branch manager.

BREVARD PUBLIC SCHOOLS - MATERIALS TESTING & INSPECTIONS

BREVARD COUNTY, FL

UES provided materials testing and inspections for Madison Middle School and Melbourne School for Science HAB. Richard served as the branch manager.

BREVARD COUNTY SCHOOL BOARD ANNUAL GEOTECHNICAL CONTRACT 2003-2008

BREVARD COUNTY, FL

Richard managed the annual contract that consisted of geotechnical explorations and concrete, soil, and asphalt construction testing.

ST. LUCIE COUNTY SCHOOL BOARD, BUS COMPLEX

ST. LUCIE COUNTY, FL

Richard provided Geotechnical Engineering for St. Lucie County School Board Bus / Transportation Complex. The proposed facility will consist of a new bus terminal with an administration building and the future site of a new middle school facility.

CANAVERAL HARBOR 44 FOOT CHANNEL PROJECT

PORT CANAVERAL, FL

Richard managed and provided materials testing services and engineer review for the construction of a berm approximately 30 feet tall, 2000 feet long, 15 feet wide at the top, and 180 feet wide at the bottom. The USACE specifications for this project required density tests in 1 foot lifts every 54,000 square feet (2000 cy) and sieve and sieve analysis every 108,000 square feet (4000 cy).

KISSIMMEE RIVER RESTORATION-CSX RAILROAD

KISSIMMEE, FL

Richard managed and directed the Contractor Quality Control services UES performed for this temporary railroad detour track around the existing railroad bridge, limerock maintenance roads, reconstruction of the mainline railroad track, restoration of the Kissimmee River in the vicinity of the railroad bridge, and the new construction of a railroad bridge. The planned improvements were designed specifically for the Army Corps of Engineers. Earthwork and concrete testing (field and laboratory testing) were performed on this project. Concrete Transportation Construction Inspection (CTCI), Structural Steel Inspection (including Non-Destructive Testing [NDT]), PDA testing and Pile Driving Monitoring were also performed by Universal.

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ROBERT L. SMITH, PE

GEOTECHNICAL PROJECT MANAGER

Mr. Smith has 25 years of experience and is currently the Senior Project Manager of the geotechnical engineering division for UES' Rockledge branch. His duties include the coordination of in-house drilling crews, laboratory services, and client liaison during the preparation of geotechnical engineering reports for various projects. In addition, Mr. Smith provides review and direction to engineering and technical support staff.

EDUCATION

BS, Civil Engineering, University of Kentucky

YEARS OF EXPERIENCE

25

LICENSE

- Professional Engineer - FL #78130

PROJECT EXPERIENCE

SEPTIC TO SEWER FORCE MAINS AND LIFT STATIONS - SUBSURFACE EXPLORATION

BREVARD COUNTY, FL

This project included 5 parks for Brevard County. UES mobilized to the sites with a truck mounted drilling rig, drilled Standard Penetration Test (SPT) borings to a depth of 20 feet below the existing land surface (bls), drilled SPT borings to a depth of 10 feet bls along the proposed force main alignments (one boring approximately at every 500 feet of traverse), installed a temporary piezometer at each boring location, staked boring locations, obtained underground utility locates, and obtained stabilized groundwater level readings. Laboratory Services included wash #200 sieve tests to help determine the silt/clay content of the site subsoils. Engineering Services included an Engineering Analysis and Geotechnical Engineering Reports including descriptions of the soil strata encountered our estimates of the typical wet season high groundwater levels at the boring locations, general recommendations concerning the installation of the force main (i.e. directional drill or cut & cover techniques), and recommendations for site preparation procedures & foundation design parameters for the proposed lift stations.

LIFT STATION V-03 VIBRATION MONITORING

MERRITT ISLAND, BREVARD, FL

Vibration Monitoring - This project consisted of the replacement of a lift station at the northwest corner of Holly Avenue & Wiley Court in Merritt Island. As part of the construction, the existing lift station at this location was to be abandon and a new lift station constructed within the southwestern sections of the property.

M1 CANAL FORCE MAIN

WEST MELBOURNE, FL

Limited Subsurface Exploration - Field Services included the mobilization of an ATV-mounted drilling rig & crew, drilling standard penetration test (SPT) borings to a depth of 30 feet below existing land surface (bls) in areas requested by the client, installing temporary piezometers at each borehole and obtain stabilized groundwater table readings. Laboratory Services included wash #200 sieve test to help determine the silt/clay content of the site subsoils. Engineering Services included staking boring locations and site reconnaissance, an Engineering Analysis and limited Geotechnical Engineering Report

including descriptions of the soil strata encountered (including the potential presence of rock strata), our estimates of the typical wet season high groundwater levels at the boring locations, general comments concerning the anticipated soil support characteristics for the proposed force main.

BOOSTER FABRICATION FACILITY NEW LIFT STATION

KENNEDY SPACE CENTER, FL

Subsurface Exploration - Field Services included the mobilization to the site with a truck mounted drilling rig, drilling Standard Penetration Test (SPT) borings within the proposed lift station footprint to a depth of 30 feet below the existing land surface, installing a temporary piezometer within the borehole for subsequent groundwater table readings.

Laboratory Services included wash #200 sieve tests to help determine the silt/clay content of the site subsoils. Engineering Services included staking boring locations and site reconnaissance, an Engineering Analysis and Geotechnical Engineering Report including descriptions of the soil strata encountered, our estimates of the typical wet season high groundwater levels at the boring location, and recommendations for site preparation procedures & foundation design parameters.

PORT MALABAR MIXED USE FORCE MAIN, FORDHAM ROAD

PALM BAY, FL

ROCKLEDGE FORCE MAIN, FISKE BOULEVARD

ROCKLEDGE, FL

PAFB BLDG 203 & DEOMI 6" FORCE MAIN

PATRICK AIR FORCE BASE, FL

LIFT STATION #35 REPLACEMENT

MELBOURNE, FL

LIFT STATION #40

MELBOURNE, FL

EDUCATION

BS, Environmental Geography minor in Geology, Valdosta State University

YEARS OF EXPERIENCE

20

LICENSES & CERTIFICATIONS

- ASTM-Environmental Site Assessments for Commercial Real Estate Course,
- Archer Institute, SPCC Compliance Manager Course
- NISTM EPA SPCC & Facility Response Plan (FRP) Short Course Certificate
- Steel Tank Institute Certified (STI) SP001 Aboveground Storage Tank System Inspector, STI Inspector Number: AST-7154
- Indoor Air Quality Association, Inc., Certified Indoor Environmentalist, CIE No. 01721,
- University of Florida TREEO – Hazardous Waste Regulations for Generators
- FDEP Qualified Stormwater Management Inspector, #31555,

KATIE WEST

ENVIRONMENTAL DEPARTMENT MANAGER

Katie West is an environmental scientist with more than 20 years of experience in environmental compliance, remediation, and regulated storage tank systems. She has supported large-scale federal and municipal projects, including environmental due diligence, soil and groundwater remediation, SPCC planning, and regulatory inspections for sensitive facilities such as NASA's Kennedy Space Center. Katie holds a B.S. in Environmental Geography and maintains multiple industry certifications, including HAZWOPER, SPCC, stormwater, and storage tank inspection.

PAST EXPERIENCE

ENVIRONMENTAL SCIENTIST

KENNEDY SPACE CENTER, FL

Provided environmental due diligence reviews, soil and groundwater remediation support, SPCC compliance oversight, and storage tank system regulatory evaluations for proposed construction, ongoing remediation, and operational facilities at NASA's Kennedy Space Center. Responsibilities included inspections, review of engineering design packages, regulatory interpretation, and coordination of investigative-derived waste disposal.

ENVIRONMENTAL SPECIALIST

BREVARD COUNTY, FL

Managed storage tank compliance verification and environmental regulatory oversight for county facilities and private sector sites. Conducted inspections for underground and aboveground storage tank systems, soil and groundwater assessments, tank closures, and remediation activities while preparing No Further Action reports and ensuring compliance with state and federal regulations.

ENVIRONMENTAL COMPLIANCE & SITE RESTORATION MANAGER

MULTIPLE COUNTIES, CENTRAL FLORIDA

Oversaw petroleum and hazardous waste cleanup sites, including review of Tank Closure Assessment Reports, Site Assessment Reports, Remedial Action Plans, natural attenuation monitoring, and site rehabilitation completions. Conducted enforcement actions, technical negotiations with regulated entities, and coordinated pollution prevention initiatives with regulatory agencies.

ENVIRONMENTAL PROJECT MANAGER

CENTRAL FLORIDA

Managed Phase I and Phase II Environmental Site Assessments, indoor air quality assessments, monitoring well installation programs, remediation oversight, sampling activities, data interpretation, and technical reporting for commercial, industrial, and municipal clients. Supervised field teams and ensured adherence to regulatory standards and project timelines.

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126 Bougainvillea Drive
Rockledge, FL 32955

321-230-3716
yocumga@wswengineering.com

Gary A. Yocum, PE

Objective

Provide professional engineering consulting services for instrumentation and control (I&C), Supervisor Control and Data Acquisition (SCADA), and electrical system for industrial and municipality clients.

Experience

2005 – Present WSW Engineering, Inc. Rockledge, FL

Principal Engineer

- Co-owner and founder of WSW Engineering, Inc.
- Provided I&C, SCADA and electrical consulting and engineering services including system design and analysis, PLC programming and HMI configuration review, construction and startup support, system documentation and system training.
- Current clients and projects include the following:
  - Brevard County Utilities West Cocoa Lift Stations
  - City of Cocoa Riverfront Park
  - Leon County Woodville Septic to Sewer
  - City of Melbourne DB Lee WRF Improvements
  - City of Melbourne Grant Street WRF Improvements
  - City of Melbourne Biosolids Improvements
  - Palm Bay Utilities Lift Stations
  - City of Sarasota Venice Crossing Lift Station
  - St. Lucie West DIW 2
  - West Melbourne Ray Bullard WRF BNR Improvements
  - Citrus County SCADA Master Plan
  - City of St. Cloud WTP No. 1
  - Pease River Manasota Region Water Supply Authority – Phase 3A Pump Station
  - City of Lawton WWTP – Chevron Energy Conservation Measures
  - City of Tallahassee – Lake Bradford Wastewater Treatment Plant Improvements
  - Town of Eatonville – Water Treatment Plant Upgrade
  - Solid Waste Authority of Palm Beach County – Power Monitoring Meters Upgrade
  - Solid Waste Authority of Palm Beach County – SCADA Upgrade
  - Solid Waste Authority of Palm Beach County – SCADA Radio Upgrade
  - Solid Waste Authority of Palm Beach County – Control Room Relocation and Improvements
  - Collier County Public Utilities Department – I&C and SCADA

Support

- Collier County Public Utilities Department – NCRWTP WTP HPRO Upgrade
- Collier County Public Utilities Department – I&C and SCADA Standards
- City of West Palm Beach East Central Regional WRF – FP&L Facility System Support
- City of West Palm Beach East Central Regional Wastewater Treatment Facility – SCADA Upgrade
- City of West Palm Beach East Central Regional WRF– AWT Facility Improvements
- City of West Palm Beach East Central Regional WRF – PLC Upgrade
- City of West Palm Beach East Central Regional WRF– Septage Receiving Upgrade
- City of West Palm Beach East Central Regional WRF – EQ Basin Improvements
- City of West Palm Beach East Central Regional WRF– AB5 Gate Automation
- City of West Palm Beach East Central Regional WRF – Effluent Pump Station Improvements
- Waste Management Okeechobee Landfill – Leachate Injection Deep Well
- Waste Management Okeechobee Landfill – Leachate Injection Deep Well SCADA Upgrade
- City of Topeka Oakland WWTP – Headworks
- City of Topeka Oakland WWTP – Primary Clarifier
- City of Topeka Oakland WWTP – Aeration Basins
- City of Topeka Oakland WWTP – Secondary Clarifier
- City of Topeka Oakland WWTP – Primary Digester Upgrade
- City of Topeka Oakland WWTP – Biogas System
- City of Topeka North Topeka WWTP – SCADA Upgrade

1999 - 2005 Camp, Dresser, and McKee, Inc. Orlando, FL

Senior I&C Project Engineer

- Responsible for all I&C engineering activities on a given project including system design, PLC programming, HMI configuration, system startup, debug and system documentation. Most notable projects consist of the following:
- Solid Waste Authority of Palm Beach County SCADA Upgrade
- East Central Regional Wastewater Treatment Plant SCADA Upgrade
- City of Topeka Oakland Wastewater Treatment Plant Upgrade Phase I and II
- Louisville Water Company B. E. Payne Facility Improvements
- Collier County Well Reliability Projects
- Collier County Manatee Road Aquifer Storage and Recovery Expansion
- City of Virginia Beach Water and Wastewater SCADA Upgrade

- City of Largo Lift Station SCADA Upgrade
- Florida Power and Light Little Manatee River Pumping Station Upgrade
- Florida Keys Aqueduct Authority SCADA Evaluation
- UCF Automatic Stormwater Irrigation System

1986 - 1999 Advanced Production Systems, Inc. Louisville, KY

Team Leader

- Assisted with development of overall direction of company.
- Supervised 35 engineers and technicians.
- Developed and managed the company's system integration project methodology and design standards.

Account Manager

- Served as liaison between the company and our clients.
- Helped resolved engineering conflicts in design and personnel.
- Ensured the clients quality expectations are meet.

Project Manager

- Responsible for the overall project delivery from conception to completion.
- Assisted sales in the proposal of the project providing insight into the proper engineering methods of the project.
- Reviewed the proposal to make sure the client understood our engineering methods and approach.
- Reviewed the project to ensure engineering understood the client's goals.
- Reviewed scheduling and budgets with engineering and the client to ensure the project was delivered on time and on budget.

Sales Assistance

- Assisted sales and marketing in generating proposals.
- Reviewed client specifications and made recommendations concerning engineering estimates, equipment and preliminary design.

Application Specialist

- Responsible for projects as a project engineer
- Served as in-house expert on electrical design and fabrication of control panels, operator stations and overall system design.
- Assisted other engineers (internal and external) concerning the design and fabrication problems and issues.

CADD Supervisor

- Responsible for CADD department including personnel and equipment
- Oversaw all electrical design and drawings that were delivered by the department to engineers and clients.

Project Engineer

- Responsible for all engineering activities for a given project including system design, PLC programming, HMI configuration, system startup, debug and system documentation. Also included client handoff.
- Directed other engineers and/or project technicians as required for a given project.

Project Technician

- Performed various engineering activities including system design, PLC programming, HMI configuration, system startup, debug and system documentation.

Education

2001 – 2004 University of Central Florida Orlando, FL

- B. S. Electrical Engineering

1983 – 1992 University of Louisville Louisville, KY

- B. S. Engineering Science in Electrical Engineering

Licenses

Professional Engineer in Kentucky, Kansas, Florida, Georgia, Vermont, North Carolina, West Virginia, Texas, Indiana, Virginia Wisconsin, Illinois, Massachusetts, Maine, Missouri and New York.

Organizations

ISA – International Society of Automation

Publications

To Ethernet or Not to Ethernet, Is That Really the Question, ISA Water Wastewater 2007

Stormwater Intelligent Controller System, WEFTEC 2004

Planning a Multi-phase, Multi-year Project, ISA Water Wastewater 2003

Affiliations

Cocoa Village Marina Association Board of Directors

2009-2010 – General Member

Oriental Harbor Village Marina Association Board of Directors

2008-2009 – Member at Large

2009-2013 – Secretary

United States of America Merchant Mariner Credential

50 GT Master w/Tow Assist and Aux Sail

Transportation Worker Identification Credential (T.W.I.C)

APCA Drug Consortium

Section 3. Experience with Similar Projects

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Relevant Experience Overview

HR Green has extensive experience delivering municipal stormwater, flood mitigation, water quality, resiliency, and infrastructure improvement projects for communities throughout Florida. Our experience spans watershed master planning, hydrologic and hydraulic modeling, drainage studies, exfiltration systems, nutrient-removal baffle boxes, stormwater treatment retrofits, permitting, bidding assistance, and engineering services during construction. Through numerous continuing services contracts and standalone assignments, we have developed practical, cost-effective solutions that improve drainage performance, reduce flooding, enhance water quality, and support long-term capital improvement programs.

Protecting Florida's waterways is a core focus of our stormwater practice. Our team has successfully delivered numerous Save Our Indian River Lagoon (SOIRL) projects and other water quality initiatives designed to reduce nutrient loading, improve stormwater treatment, and protect environmentally sensitive receiving waters. Representative projects involving SOIRL funding have been performed for **Cities of Titusville, Palm Bay, and West Melbourne as well as Brevard County**, and similar stormwater treatment and nutrient reduction projects throughout the state.

Florida Municipal Stormwater Experience

- **100+** Florida local government clients served
- **70+** continuing services contracts since 2012*
- Extensive experience with **stormwater, flood mitigation, and water quality**
- Proven delivery of **SOIRL**, coastal resiliency, and post-storm recovery projects
- Local Florida team backed by **800+ HR Green professionals**

**Infrastructure Solution Services (ISS), now an HR Green company*

Our team also brings extensive experience serving Florida's coastal communities. We have planned and designed stormwater and resiliency improvements for barrier islands, waterfront districts, shoreline infrastructure, parks, and marine facilities, integrating flood mitigation, tidal influences, sea level rise, and regulatory requirements into practical engineering solutions. Representative projects include the **Cape Canaveral Port Authority East Boat Ramp, City of Cocoa Lee Wenner Park Boat Ramps Rehabilitation, Jacksonville Transit Authority's improvements to the Mayport and Ft. George Terminals of the St. Johns River Ferry sites, the Town of Longboat Key's Sleepy Lagoon Flood Mitigation Program, and the City of Anna Maria's continuing stormwater and resiliency program.**

In addition to planning and design, HR Green has supported municipalities before, during, and after major storm events by providing post-storm engineering assessments, infrastructure evaluations, damage documentation, recovery planning, FEMA funding assistance, and emergency engineering support. Recent experience includes **City of Cocoa Promenade Improvements and Lee Wenner Park Shoreline Stabilization projects following Hurricane Irma, Brevard County Kennedy Point Park Irma Repairs (FEMA Seawall and Dock Replacements) following Hurricane Irma, and the Pinellas County Disaster Recovery Partnership** project following two consecutive hurricanes in 2004. Our broader municipal experience also includes support for debris monitoring and disaster recovery operations in Florida as part of comprehensive emergency response and recovery efforts.

Continuing Services Contracts

HR Green has a long history of supporting Florida municipalities through continuing engineering services contracts that mirror the scope and delivery approach anticipated by the City of Indian Harbour Beach. Since the founding of Infrastructure Solution Services (ISS) in 2012, now a part of HR Green, our Florida team has built a strong record of serving municipal clients throughout the state. Today we continue those same client relationships while bringing the added depth and resources of a national engineering firm. Collectively, our Florida team has supported more than 100 Florida local government agencies under over 70 continuing services contracts, providing responsive engineering services for stormwater, civil infrastructure, resiliency, water quality, utilities, and capital improvement projects. These long-term relationships have allowed us to develop a thorough understanding of municipal operations, regulatory requirements,

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funding programs, and the importance of delivering practical, cost-effective solutions under evolving priorities and schedules.

Many of these continuing contracts include recurring stormwater assignments involving flood mitigation, drainage improvements, hydrologic and hydraulic modeling, water quality enhancements, permitting, construction support, and emergency response, providing the experience and continuity needed to efficiently support the City of Indian Harbour Beach's ongoing stormwater program.

The table below summarizes a representative sample of HR Green's current continuing engineering services contracts with Florida municipal clients, illustrating our extensive experience supporting communities with needs comparable to those of the City of Indian Harbour Beach.

HR Green Current Continuing Services Contracts in Florida

Client Name / Location	Nature of Firm's Responsibility	Contract Term
Bay County, FL	Professional Engineering and Surveying Services (CEI, Surveying, EE, Env. Roadway, SW, Stormwater, Structural, Site, Surveying and Utilities)	2020 - Current
Brevard County, FL Public Works	Public Works Continuing Engineering Services	2022 - Current
Brevard County Utility Services District (FL)	Utility Continuing Engineering Services	2012 - Current
City of Anna Maria, FL	Civil Engineering Continuing Services	2019 - Current
City of Bradenton Beach, FL	Civil Engineering Services for Miscellaneous Services	2020 - Current
City of Bradenton, FL	Civil Engineering Services for Stormwater Services	2026 - Current
City of Cocoa Beach, FL	Continuing Engineering Services	2023 - Current
City of Edgewater, FL	Continuing Professional Engineering Services	2024 - Current
City of Melbourne, FL	Continuing Contract for ARPA - Projects	2024 - Current
City of Palm Bay, FL	Continuing Engineering Services (Includes Water and Wastewater)	2020 - Current
City of Palm Coast, FL	Engineering, Architectural, & Rate Study Services	2024 - Current
City of Panama City, FL	Utility Continuing Contract	2021 - Current
City of Panama City Beach, FL Public Works	Master Services Agreements for Professional Stormwater Engineering Services	2021 - Current
City of Panama City Beach, FL Utilities Department	Professional Engineering Services for Wastewater Treatment Facilities, Reclaimed Water Storage and Pumping Facilities, receiving Wetland Facilities, Regional Wastewater Pumping Facilities, receiving Wetland Facilities, Regional Wastewater Pumping Stations	2017 - Current
City of Panama City Beach, FL Utilities Department	Professional Engineering Services for Minor Potable Water, Wastewater and Reclaimed Water Projects	2021 - Current
City of Panama City Beach, FL Utilities Department	Professional Engineering Services for Portable Water System Storage and Pumping Facilities, and Potable Water Transmission Mains Over 12-inches in Diameter	2021 - Current
City of Port St. Lucie, FL	Continuing Engineering Services for Utility Projects	2022 - Current
City of Punta Gorda, FL	General Engineering Continuing Services	2018 - Current
City of Sarasota, FL Utilities Department	Consulting Engineering Services (Water, Wastewater, and Reclaimed Water)	2024 - Current
City of Sarasota, FL Public Works and Small Utilities	Consulting Engineering Services (Small Utilities and Public Works Infrastructure Projects	2023 - Current
City of Sarasota, FL Public Works and Small Utilities	Right-of-Way (ROW)/Roadside - Public Works Continuing Engineering Services	2017-Current
City of Sarasota, FL Public Works and Small Utilities	Consulting Engineering Services for Small Public Works ROW and Parks Projects	2026-Current
City of Tallahassee, FL	Continuing Services Contracts for Professional Engineering Services for Water Utilities	2025 - Current

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Client Name / Location	Nature of Firm's Responsibility	Contract Term
City of Tampa, FL	Work Order Agreements for Professional Architectural / Engineering (AE) Services As-Needed	2021 - Current
City of Titusville, FL	Continuing Stormwater Services Contract	2021 - Current
City of Vero Beach, FL	Water and Sewer Continuing Engineering Services	2014 - Current
City of West Melbourne, FL	Professional Engineering Services Continuing Contract for Municipal Public Works	2015 - Current
Englewood Water District	Utility Continuing Engineering Services	2017 - Current
Florida Institute of Technology, Melbourne, FL	Professional Engineering and Surveying Services	2018 - Current
NASA	Civil Engineering IDIQ Contract for NASA Facilities throughout the US	2020 - Current
St. Lucie County, FL	Water and Wastewater Continuing Contract	2023 - Current
St. Lucie West Services District	Water, Sewer, and Reclaimed Water Continuing Utility Engineering Services	2015 - Current
St. Lucie West Services District	Stormwater Continuing Engineering Services / District Engineer	2015 - Current
Town of Longboat Key, FL	Professional Engineering & Architectural Services Library	2022 - Current

Representative Project Experience

In addition to the full profiles that follow, some additional examples of relevant drainage / stormwater improvements and flood resiliency projects in Florida that our personnel have completed include:

- **City of Indian Harbour Beach, FL.** Atlantic Boulevard East & West Exfiltration Stormwater Improvements, Alhambra
- **Brevard County, FL.** Multiple Departments Engineering and Design Services (2012– Current). South Central WRF Stormwater Analysis and Design, South Central Regional Water Reclamation Facility Drainage Improvements, Stormwater / Drainage Components to multiple other projects.
- **City of Bradenton Beach, FL** – Civil Engineering Services / City Engineer of Record (EOR) (2020–Present): Work has involved stormwater plan review, development review services, stormwater grant funding planning, npdes reporting & compliance, general civil and stormwater engineering support.
- **City of Cocoa, FL.** Stormwater Engineering Services Continuing Contract (2016– Current). Cocoa Stormwater Master Plan, IRL Stormwater Treatment Evaluation, Stormwater Front Treatment Nutrient Removal System Feasibility Study, Bracco Pond Control Structure Modification and Drainage Improvements, Aurora Street Drainage Improvements Design, Stormwater Treatment Feasibility Concept Plan – Improvements for Outfall to Indian River Lagoon, Stormwater Reviews – Cocoa Hotel and Hospitality Cocoa Village, Emma Jewel Regional Stormwater Pond, Lee Wenner Dredging of Pond, Diamond Square Drainage, Stormwater / Drainage Components to multiple other projects.
- **City of Deltona, FL.** Stormwater Engineering Continuing Contract (NOTE: This work was completed by ISS personnel at a previous firm). Citywide Lake Emergency Management Plan, Kraft/Bluefield Stormwater Improvements, Collingswood Pond Stormwater Improvements, Lackland Drainage Retention Area Improvements, Lake Gleason and Cloverleaf Outfall Stormwater Improvements, Tivoli Area-Wide Basin Study, Leland Pond Stormwater Improvements.
- **City of Fellsmere, FL.** Kentucky Avenue Stormwater Greenway Design, New York Avenue Stormwater Drainage Canal Restoration Design Services, USDA Rural Development Stormwater Drainage and Road Paving.
- **City of Melbourne, FL.** Bignonia Avenue Culvert Replacement, DB Lee Stormwater Ditch Closure Sarno and Apollo Road.
- **City of Panama City Beach, FL.** Frank Brown Park Sitewide Stormwater Design-3 Phased Areas.
- **City of Punta Gorda, FL.** Historic District Engineering Infrastructure Analysis (including drainage).
- **City of Sarasota, FL.** Continuing Engineering Services (2017–Current). Lemon Avenue Streetscape and Paul Thorpe

Exhibit C

Jr. Park, Osprey Avenue, Phase 1: Resurfacing and Stormwater Improvements, Residential Stormwater Management Practices and Guidance Evaluation and Standards Updates and Report, First Street Streetscape and Utility Improvements including drainage.

- **City of Titusville, FL.** Sand Point Park Nutrient Removal Baffle Box, Area 3A Stormwater Basin Improvements
- **City of West Melbourne, FL - Continuing Engineering Services.** Heritage Oaks Blvd. Stormwater Improvements, Westbrooke Flood Risk Reduction Project, Wood Haven Manor Stormwater Improvements, Newcomb Lane Stormwater Improvements, Community Park Phase II, Ray Bullard Water Reclamation Facility (WRF) Stormwater Management Area Design, Melbourne Estates Drainage Design.
- **Manatee County, FL.** Stormwater / Sidewalk Continuing Engineering Services. Miscellaneous Sidewalk and Drainage Improvements (Five Task Orders).
- **Jacksonville Transportation Authority** - St. Johns River Ferry Site Stormwater Design.
- **St. Lucie West Services District (SLWSD)- Stormwater Continuing Engineering Services / District Engineer.** ISS has completed more than 15 projects for SLWSD that involved stormwater scope components, including: Stormwater Review, Post Office Ditch Closure, Stormwater Master Planning Condition Assessment, and Stormwater / Drainage Components to multiple other projects.
- **Town of Longboat Key, FL** – Sleepy Lagoon Flood Mitigation Program – General Harris Street, Marbury Lane & Penfield Street; Bayview Drive, De Narvaez Drive & Juan Anasco Drive

Case Studies for Similar Work

The following project profiles highlight representative experience that demonstrates HR Green's ability to deliver responsive, task-order-based engineering services across the disciplines included in this solicitation. Selected projects emphasize municipal stormwater, flood mitigation, water quality, resiliency, and infrastructure improvements that align with the City of Indian Harbour Beach's anticipated needs.

1. Stormwater Infrastructure Improvements - **City of Indian Harbour Beach, Florida**
2. Continuing Engineering & Infrastructure Improvement Program - **City of Cocoa, Florida**
3. Continuing Stormwater & Flood Reduction Program - **City of West Melbourne, Florida**
4. Continuing Stormwater Improvement & Resiliency Program - **City of Anna Maria, Florida**
5. Flood Mitigation & Coastal Resiliency Program - **Town of Longboat Key, Florida**
6. Continuing Public Works & Stormwater Infrastructure Program - **City of Sarasota, Florida**
7. Continuing Public Works, Stormwater & Utilities Engineering Services - **City of Panama City Beach, Florida**
8. Stormwater Planning & Infrastructure Improvements - **City of Titusville, Florida**

Across These Projects, HR Green Delivered:

These capabilities were consistently demonstrated across every project profile presented herein:

- Stormwater Engineering
- Continuing Services
- Coastal Resiliency
- Hydrologic & Hydraulic Modeling
- Drainage Design
- Water Quality Improvements
- Grant Implementation
- ERP Permitting
- Construction Support
- Capital Improvement Planning



Stormwater Infrastructure Improvements

City of Indian Harbour Beach, Florida

PROJECT DESCRIPTION

HR Green (formerly ISS) has provided professional engineering services for multiple priority stormwater improvement projects throughout the City of Indian Harbour Beach. Collectively serving an approximately 330-acre drainage area, these projects support the City's ongoing efforts to improve stormwater conveyance, reduce localized flooding, enhance water quality, and protect the Indian River Lagoon through implementation of exfiltration systems, nutrient-separating baffle boxes, and other stormwater best management practices (BMPs). Across these assignments, HR Green has provided planning, hydrologic and hydraulic analyses, engineering design, permitting, bidding assistance, and construction-phase support while developing a comprehensive understanding of the City's stormwater infrastructure and capital improvement priorities.

Atlantic Boulevard East & West Exfiltration Stormwater Improvements - Designed exfiltration trench improvements to increase stormwater storage and infiltration while reducing runoff to the Indian River Lagoon. Services include surveying, geotechnical investigations, hydrologic and hydraulic analyses, engineering design, permitting, construction plans, technical specifications, opinions of probable construction cost, bidding assistance, and engineering support during construction. (Design Ongoing, Construction TBD /Eng $284K, Const $2.1M (est) / 17-acre drainage basin)

Alhambra Street Exfiltration Stormwater Improvements - Designed roadway exfiltration improvements to enhance stormwater conveyance and infiltration, improving drainage performance and reducing nutrient loading to the Indian River Lagoon. Services include surveying, utility coordination, engineering design, permitting, preparation of construction documents, technical specifications, cost estimating, bidding assistance, and construction support. (Design Ongoing, Construction TBD /Eng $60K, Const $435K (est) / 12-acre drainage basin)

City Hall Baffle Box - Designed a nutrient-separating baffle box system to capture sediment and associated pollutants before discharge into the City's stormwater system and the Indian River Lagoon. Services include hydrologic evaluation, engineering design, permitting, construction documents, technical specifications, bidding assistance, and construction-phase engineering support. (Design Ongoing, Construction TBD /Eng $75K, Const $670K (est) / Four drainage basins totaling 333 acres)

Reference

John Coffey
City Manager
2055 S Patrick Dr, Indian Harbour Beach, FL 32937
Phone: (941) 708-7450
coffey@indianharbour.org

Period of Performance

Multiple projects from 2023-ongoing

Funding Entity(ies)

- FDEP ARPA
- Save Our Indian River Lagoon Program (SOIRL)

Team Members Who Supported

- Brian Stahl, PE
- David Myers, PE
- Devyn Brown, PE
- Neako Villamil, EI
- Emily Lewis, EI
- Elena Arrivillaga
- David Trafton

Relevancy

- Stormwater Engineering
- Flood Reduction
- Water Quality
- BMP Design
- Coastal Community
- Exfiltration Systems
- Nutrient Reduction
- Construction Support





CONTINUED...

City of Indian Harbour Beach, Florida

Algonquin Sports Complex Baffle Box - Designed a nutrient-separating baffle box to improve stormwater treatment for approximately 73.5 acres of contributing drainage area. The proposed system includes a modular baffle box, new conveyance piping, and a weir structure to improve sediment capture, nutrient removal, and overall stormwater management before discharge to the Indian River Lagoon. (Design 2025, Construction TBD /Eng $52.2K, Const $220K (est) / 73.5-acre drainage basin)

OUTCOMES

- Developed extensive familiarity with the City's stormwater infrastructure, drainage patterns, permitting requirements, and capital improvement priorities through multiple stormwater improvement assignments.
- Improved stormwater conveyance and treatment through implementation of exfiltration systems, nutrient-separating baffle boxes, and other BMPs tailored to the City's coastal environment.
- Supported the City's efforts to reduce sediment and nutrient loading to the Indian River Lagoon while improving flood resilience and overall system performance.
- Successfully coordinated permitting with the St. Johns River Water Management District (SJRWMD) and provided responsive bidding and construction-phase support to facilitate efficient project delivery.
- Established a strong working relationship with City staff, enabling efficient project coordination and continuity across multiple stormwater initiatives.



Continuing Engineering & Infrastructure Improvement Program

City of Cocoa, Florida

PROJECT DESCRIPTION

Since 2014, HR Green (formerly ISS) has partnered with the City of Cocoa through multiple continuing engineering services contracts, delivering more than 30 individual task assignments for infrastructure improvements spanning stormwater, waterfront revitalization, transportation, utilities, parks, and other municipal capital improvements. Representative assignments include:

Cocoa Waterfront Resiliency & Revitalization Master Plan Update – Following Hurricane Irma, ISS partnered with GAI Community Solutions Group to update the Cocoa Community Redevelopment Agency's 2008 Waterfront Master Plan, helping guide the City's long-term recovery and reinvestment strategy for its downtown waterfront. The team evaluated hurricane damage, conducted engineering assessments, facilitated public engagement, and developed a resilient master plan focused on waterfront restoration, boating facilities, shoreline stabilization, park improvements, stormwater considerations, and economic redevelopment. The final plan prioritized implementation projects, developed conceptual cost estimates, and established a phased roadmap for future capital improvements.(Master Plan 2018 / Eng $35K / 25-acre waterfront)

Stormwater Front Treatment Nutrient Removal System Feasibility Study – Evaluated innovative stormwater treatment technologies for approximately 125 acres draining to the Indian River Lagoon. Prepared conceptual designs and assessed treatment alternatives to support the City's BMAP and TMDL water quality objectives. (Design 2021 / $24.900 / 125-acre drainage basin)

Emma Jewel Regional Stormwater Pond – Performed hydrologic and hydraulic modeling, engineering design, permitting, and preparation of construction documents for a regional stormwater facility and drainage improvements supporting redevelopment within the Diamond Square Community Redevelopment Area while reducing localized flooding. (Design 2018, Construction 2019 / Eng $48K, Const $2.2M / 23-acre drainage basin)

Bracco Pond Control Structure & Drainage Improvements – Designed modifications to the regional stormwater system serving an approximately 1,060-acre drainage basin to reduce nuisance flooding, improve system performance, and enhance regional drainage capacity. (Design 2021, Construction 2022 / Eng $15K, Const $250K / ~1,060-acre regional drainage basin)

Reference

Abigail Morgan , PE
Public Works Director / City Engineer
65 Stone Street
Cocoa, FL 32922
Phone: 321-433-8910
amorgan@cocoafl.gov

Period of Performance

Continuing Services Contract: 2014-2023

Funding Entity(ies)

- Save Our Indian River Lagoon Program (SOIRL)
- SJRWMD Grant

Team Members Who Supported

- Brian Stahl, PE
- David Myers, PE
- Devyn Brown, PE
- Clayton McCormack, PE

Relevancy

- Continuing Services
- Stormwater Engineering
- Stormwater Modeling
- Waterfront Revitalization
- Water Quality
- Capital Improvements
- Watershed Planning
- Grant Funding
- Master Planning





CONTINUED...
City of Cocoa, Florida

Citywide Stormwater & Streetscape Improvements – Provided planning, surveying, engineering design, permitting, and construction support for numerous stormwater, roadway, and streetscape improvements throughout Cocoa Village and surrounding areas, including Aurora Street, Harrison Street, Delannoy Avenue, Maryland Street, Whitley Bay, Stone Street, and other downtown infrastructure projects. (Design 2014-2023 - Multiple Projects)

OUTCOMES

- Supported the City of Cocoa through multiple continuing engineering services contracts, providing continuity across stormwater, waterfront, transportation, and capital improvement initiatives.
- Advanced the City's post-Hurricane Irma recovery by developing a resilient Waterfront Master Plan Update that prioritized reconstruction projects, enhanced waterfront resiliency, and established a phased implementation strategy.
- Developed a prioritized capital improvement program with conceptual project budgets totaling nearly $20 million, providing the City with a roadmap for future funding and implementation.
- Improved stormwater conveyance and reduced localized flooding through planning, modeling, design, and implementation of regional and neighborhood drainage improvements.
- Advanced Indian River Lagoon restoration goals through nutrient reduction studies, stormwater treatment evaluations, regional drainage improvements, and implementation of stormwater best management practices (BMPs).
- Improved resiliency of waterfront infrastructure through shoreline stabilization, resilient waterfront planning, reconstruction of public amenities, and enhanced boating access following Hurricane Irma.
- Supported redevelopment of Cocoa Village by integrating stormwater infrastructure, streetscape improvements, waterfront enhancements, and public space improvements into coordinated capital projects.
- Delivered multidisciplinary engineering services from planning and feasibility through design, permitting, bidding, construction support, and implementation under a long-term continuing services relationship.
- Developed extensive institutional knowledge of the City's infrastructure systems, allowing future projects to be delivered efficiently with continuity, reduced risk, and streamlined coordination.

WHAT OUR CLIENTS SAY:

"I've personally found ISS (now HR Green) to be responsive to the City needs, pleasant to work with, and they routinely exceed the expectations of the City. ISS (now HR Green) has my highest endorsement, as I believe they would be an asset and resource to your agency."

- John A. Titkanich, Jr., AICP, ICMA-CM, Former City Manager

CITY OF COCOA, FL





Continuing Stormwater & Flood Reduction Program

City of West Melbourne, Florida

PROJECT DESCRIPTION

HR Green (formerly ISS) has supported the City of West Melbourne through our Professional Engineering Services Continuing Contract for Municipal Public Works, providing stormwater planning, modeling, design, permitting, and construction support for numerous drainage, flood reduction, utility, transportation, and public infrastructure projects. Representative stormwater assignments include:

Ray Bullard WRF Stormwater Improvements – Converted an underutilized reclaimed water storage pond into an offline regional stormwater management facility serving an approximately 500-acre drainage basin. Services included hydrologic and hydraulic analyses, engineering design, permitting, and construction documents. The project improves regional stormwater storage, nutrient removal, and water quality while reducing upstream water levels and pollutant loading to the Indian River Lagoon. (Design 2022, Construction 2023 / Eng $721,720, Const ~$1.15M / ~500 acres drainage basin)

Heritage Oaks Boulevard Stormwater Improvements – Evaluated and designed modifications to the Heritage Oaks stormwater system to accommodate roadway expansion while maintaining stormwater capacity and preventing increases in runoff or pollutant loading. Services included engineering design, permitting, cost estimating, and construction support. (Design 2022, Construction 2027 / Eng $14K, Const TBD)

Westbrooke Flood Risk Reduction Project – Performed hydrologic and hydraulic modeling for a 650-acre drainage basin using ICPR IV to evaluate flood mitigation alternatives and design stormwater conveyance improvements, including approximately 1,150 linear feet of reinforced concrete pipe. Services included engineering reports, permitting coordination with SJRWMD, funding support, and preparation of construction documents. (Design 2024, Construction Ongoing / Eng $110K, Const $$1.5M (est) / 650+ acres drainage basin)

Wood Haven Manor Area Drainage Study & Design Improvements – Performed drainage evaluations, engineering design, permitting, and construction administration to improve neighborhood stormwater conveyance, reduce localized flooding, and enhance overall drainage system performance. (Design 2017, Construction 2018 / $527,449)

West Melbourne Community Park – Provided civil engineering design, permitting, and construction administration for park infrastructure improvements, including integrated stormwater facilities supporting recreational amenities and long-term site drainage. (Design 2017, Construction 2018 / $3.2M / 15 acres)

Reference

Tom Bradford
Assistant City Manager
2240 Minton Road
West Melbourne, FL 32904
Phone: 321-837-7771
Tbradford@westmelbourne.org

Period of Performance

Continuing Services Contract: 2015-Present

Funding Entity(ies)

- Save Our Indian River Lagoon Program (SOIRL)
- St. Johns River Water Management District

Team Members Who Supported

- Brian Stahl, PE
- David Myers, PE
- Devyn Brown, PE
- Neako Villamil, EI
- Emily Lewis, EI
- David Trafton

Relevancy

- Continuing Services
- Stormwater Engineering
- Stormwater Modeling
- Hydrologic & Hydraulic Modeling
- Flood Mitigation
- Capital Planning



CONTINUED...
City of West Melbourne, Florida

OUTCOMES

- Delivered multiple stormwater and flood reduction projects under the City's continuing engineering services contract, providing responsive support for evolving infrastructure needs.
- Improved regional stormwater storage, conveyance, and water quality through the design of stormwater management facilities, drainage system improvements, and best management practices.
- Reduced flood risk through hydrologic and hydraulic modeling, drainage basin evaluations, and implementation of targeted stormwater conveyance improvements.
- Supported protection of the Indian River Lagoon by incorporating nutrient reduction strategies and stormwater treatment best management practices into project designs.
- Successfully coordinated permitting with SJRWMD, FDEP, the Melbourne-Tillman Water Control District, and City staff to advance projects efficiently.
- Assisted the City with phased implementation strategies, funding support, cost estimating, and long-term stormwater system planning to maximize available funding and future capital improvements.



Continuing Stormwater Improvement & Resiliency Program

City of Anna Maria, Florida

PROJECT DESCRIPTION

Since 2019, HR Green (formerly ISS) has served as the City of Anna Maria's Stormwater Engineer under a continuing professional engineering services contract, providing planning, funding assistance, hydrologic and hydraulic modeling, design, permitting, construction support, FEMA coordination, and post-hurricane recovery services. Representative stormwater improvement projects include:

Area K Stormwater Improvements - Provided grant application support, surveying, engineering design, permitting, bidding services, and construction support for roadway stormwater improvements funded through SWFWMD. The project expanded from approximately 13,500 LF to 15,700 LF of roadway improvements across 10 City roads after successful grant coordination. Work was completed on an expedited schedule to meet grant funding deadlines. (Design 2020, Construction 2021 / Eng $75K, Const $919K / 32 acres)

Area L Stormwater BMP Improvements - Provided surveying, engineering design, permitting, phased construction documents, engineer's cost opinions, bid-ready plans and specifications, and record drawings for stormwater BMP improvements throughout the City. Improvements focused on reducing flooding while improving stormwater treatment and water quality. (Design 2022, Construction 2022 / Eng $74K, Const $500K / 26.7 acres)

Areas H & J Stormwater Improvements - Assumed responsibility for these projects after previous implementation challenges and successfully secured SWFWMD grant funding. Completed expedited design and permitting to meet strict grant schedules while implementing improvements that reduced localized flooding and nutrient discharges to Tampa Bay. The projects were delivered ahead of schedule and within budget. (Design 2020, Construction 2022 / Eng $115K, Const $750K / 75 acres)

Area M Stormwater Improvements - Provided design and permitting for stormwater retrofit improvements consistent with the Tampa Bay SWIM Plan. The project serves a highly urbanized 43-acre drainage basin and incorporates stormwater treatment improvements to reduce pollutant loading while restoring environmental function. (Design 2023, Construction 2024 / Eng $90K, Const ~$1M / 43-acre drainage basin)

Multi-Phase HMGP Stormwater Retrofit Program - Served as Stormwater Engineer for a multi-phase stormwater retrofit program covering more than 140 acres of drainage basins throughout the City. Funded through SWFWMD and FDEM's Hazard Mitigation Grant

Reference

Dean Jones
Public Works Manager and Capital Projects
10005 Gulf Drive
Anna Maria, FL 34216
Phone: 941-392-1210
generalmanager@cityofannamaria.com

Period of Performance

2019-Present

Funding Entity(ies)

- Southwest Florida Water Management District
- Florida Department of Emergency Management
- FEMA Hazard Mitigation Grant Program
- Florida Department of Environmental Protection
- Manatee County, FL

Team Members Who Supported

- Brian Stahl, PE
- David Myers, PE
- Devyn Brown, PE
- Gary Yocum, PE
- Neako Villamil, EI

Relevancy

- Continuing Services
- Stormwater Engineering & Planning
- Coastal Infrastructure
- Flood Mitigation
- Grant Implementation
- Water Quality





CONTINUED...
City of Anna Maria, Florida

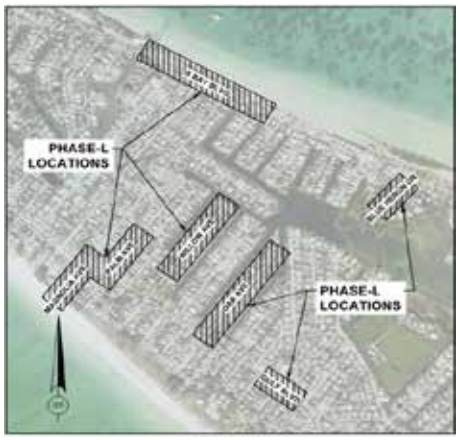
Program, the program reduces flooding and pollutant discharges to Tampa Bay through phased stormwater improvements, regulatory coordination, permitting, construction support, and grant administration. (Design 2023, Construction Ongoing / Eng $282K, Const $TBD / 140+ acres)

OUTCOMES

- Delivered numerous grant-funded stormwater improvements under the City's continuing engineering services contract since 2019.
- Secured and implemented projects funded through SWFWMD, FDEM, FEMA, and other state and federal funding programs.
- Reduced localized flooding through phased stormwater collection, conveyance, treatment, and infiltration improvements.
- Reduced nutrient loading to Tampa Bay through implementation of stormwater BMPs and retrofit projects consistent with the Tampa Bay SWIM Plan.
- Delivered multiple grant-funded projects on accelerated schedules to meet critical funding deadlines while maintaining regulatory compliance.
- Provided ongoing technical guidance as the City's Stormwater Engineer, supporting development review, regulatory compliance, capital planning, construction support, FEMA coordination, and post-hurricane recovery.







City of Anna Maria North Island BMPs Phases H & J, L, M, Project Locations

Exhibit C



Flood Mitigation & Coastal Resiliency Program

Town of Longboat Key, Florida

PROJECT DESCRIPTION

Since 2022, HR Green (formerly ISS) has supported the Town of Longboat Key through continuing professional engineering services, providing stormwater, drainage, roadway, coastal resiliency, grant compliance, and capital improvement support. Representative projects include:

Sleepy Lagoon Flood Mitigation – General Harris Street, Marbury Lane & Penfield Street - Providing engineering, permitting, and construction support for neighborhood flood mitigation improvements designed to reduce sunny-day flooding and address long-term flood risks associated with sea level rise. The project includes roadway reconstruction, seawall upgrades, stormwater drainage improvements, residential drainage guidance, ERP permitting, phased design, bid documents, construction support, and public outreach through project websites, direct mailers, and community meetings. Drone-based photogrammetry and field-based design coordination have accelerated project delivery while reducing design costs. (Design 2025, Construction TBD / Eng $449K, Const TBD)

Sleepy Lagoon Flood Mitigation – Bayview Drive, De Narvaez Drive & Juan Anasco Drive - Providing engineering services for roadway reconstruction, seawall improvements, and upgraded stormwater conveyance systems to alleviate chronic flooding and improve resilience to sea level rise. Services include engineering design, ERP permitting, construction documents, bid support, contractor evaluation, construction oversight, record drawings, and community engagement. Innovative field coordination and drone-based aerial mapping have streamlined project development and expedited delivery of construction-ready plans. (Design 2025, Construction TBD / Eng $328K, Const TBD)

Bay Isles Parkway Streetscape Improvements - Managed landscape architecture subconsultant David W. Johnston & Associates (DWJA) in developing multiple streetscape concepts to enhance the Town's primary gateway corridor and entrance to Town Hall. Following concept selection, managed preparation of the scope, fee, construction documents, and construction-phase services for implementation of the preferred design. . (Design 2025, Construction 2026 / Eng $16.5K, Const $390K)

Reference

Jennifer Fehrs, PE
Town Engineer
501 Bay Isles Road
Longboat Key, FL 34228
Phone: 941-381-9610
jfehrs@longboatkey.org

Period of Performance

2022-Present

Funding Entity(ies)

Town of Longboat Key

Team Members Who Supported

- Brian Stahl, PE
- David Myers, PE
- Devyn Brown, PE
- Emily Lewis, EI

Relevancy

- Stormwater Engineering
- Coastal Engineering
- Coastal Infrastructure
- Sea Level Rise
- Flood Mitigation
- Resiliency Planning
- Public Engagement





CONTINUED...

Town of Longboat Key, Florida

OUTCOMES

- Supported the Town through its continuing professional engineering services contract, providing responsive planning, design, permitting, and construction support for flood mitigation and infrastructure improvements.
- Advanced neighborhood flood resilience through roadway, seawall, and stormwater improvements designed to reduce sunny-day flooding and address long-term sea level rise impacts.
- Accelerated project delivery through innovative use of drone-based aerial photogrammetry and field-based design coordination, reducing costs and improving schedule efficiency.
- Successfully coordinated ERP permitting, bid support, public outreach, and construction-phase services to facilitate efficient project implementation.

WHAT OUR CLIENTS SAY:

"The project presented several logistical and regulatory complexities, all of which are being met with professionalism, technical rigor, and a client-focused approach."

"ISS (now HR Green) has distinguished themselves through their responsiveness, accuracy, and thoughtful attention to both technical and stakeholder needs."

"Their team demonstrated a clear understanding of applicable regulatory requirements and consistently delivered high-quality work products under compressed schedules."

"We found their project management practices to be disciplined and efficient, with excellent budget, schedule, and quality project controls and coordination among project stakeholders."

"Their ability to successfully deliver educational site improvement projects, while maintaining open communication and accountability, reflects a high standard of service and professionalism."

"I would not hesitate to recommend ISS (now HR Green) to any agency seeking a knowledgeable, responsive, and solutions-oriented engineering partner."

- Jennifer Fehrs, PE, Town Engineer

TOWN OF LONGBOAT KEY, FL





Continuing Public Works & Stormwater Infrastructure Program

City of Sarasota, Florida

PROJECT DESCRIPTION

Since 2017, HR Green (formerly ISS) has supported the City of Sarasota through multiple continuing professional engineering services contracts for Public Works, Utilities, and Roadway & Infrastructure Improvements. Our team has delivered roadway, stormwater, utility, streetscape, multimodal, and public infrastructure projects, providing planning, design, permitting, construction administration, and engineering support for numerous capital improvements throughout the City. Representative assignments include:

Lemon Avenue Area Roadway, Streetscape & Paul Thorpe Jr. Park Improvements - Provided civil site, roadway, drainage, and stormwater design for the reconstruction of Lemon Avenue between Ringling Boulevard and Main Street. Improvements included roadway reconstruction, intersection upgrades, drainage improvements, wider sidewalks, landscaping, hardscape, pedestrian enhancements, new street lighting, and expansion of Paul Thorpe Jr. Park. The design-build project transformed the corridor into a pedestrian-oriented downtown plaza capable of serving as an event space while maintaining long-term stormwater performance. (Design 2021, Construction 2022 / Eng $240K, Const $6.2M / 0.6-mile corridor)

Legacy Trail at Payne Park - Provided civil site design, stormwater analysis, permitting, and construction-phase engineering services for the Legacy Trail extension through Payne Park. The project created a critical multimodal connection while integrating stormwater infrastructure improvements, park enhancements, and coordinated design with the City's Parks and Recreation and Engineering Departments. Early agency coordination supported efficient permitting and successful delivery. (Design 2025, Construction 2025 / Eng $150K, Const $2.8M / TBD)

Osprey Avenue Resurfacing & Stormwater Improvements - Served as project manager and lead designer for roadway resurfacing, ADA accessibility, and stormwater improvements along approximately 1.5 miles of South Osprey Avenue. The project included drainage improvements, curb replacement, signal coordination at four intersections, and extensive coordination with neighborhood associations and Sarasota Memorial Hospital to maintain emergency access throughout construction.(Design 2020, Construction 2021 / Eng $188K, Const $5.6M / 1.5 mile corridor)

Reference

Georges Nicolas, PE
Capital Projects Engineer
1761 12th Street
Sarasota, Florida 34236
Phone: 941-263-6136
georges.nicolas@sarasotagov.com

Period of Performance

Multiple Continuing Services Contracts: 2017-Present

Funding Entity(ies)

City of Sarasota

Team Members Who Supported

- Brian Stahl, PE
- Devyn Brown, PE
- David Myers, PE
- Mark Mueller, CET
- Neako Vilamill, EU

Relevancy

- Continuing Services
- Stormwater Engineering
- Streetscape Design
- Drainage Improvements
- Multimodal Infrastructure
- Utility Coordination
- Construction Support
- Capital Improvements



CONTINUED...
City of Sarasota, Florida

State Street Streetscape & Utility Improvements - Provided stormwater engineering for the City of Sarasota's downtown State Street Streetscape and Parking Garage project. The design integrated a municipal parking garage, adjacent alley improvements, utility upgrades, and an underground stormwater vault to manage runoff while accommodating future expansion of an adjacent liner building. As part of this fast-track design-build project, HR Green performed preliminary drainage evaluations, hydrologic analysis, stormwater design, utility coordination, permitting, and engineering support to deliver a constructible solution within an accelerated project schedule. (Design 2019, Construction 2020 / Eng $160K, Const $3.2M / 3 acres)

Miscellaneous Roadway & Infrastructure Improvements - Under the City's continuing engineering services contracts, HR Green has also completed numerous additional task orders involving roadway, drainage, utility, multimodal, and streetscape improvements, including Ken Thompson Parkway Drainage Improvements, First Street Streetscape, City Alley Improvements, 10th Street Improvements, and other capital improvement projects. (Design Ongoing, Construction YEAR / various fees, construction values and sizes)

OUTCOMES

- Delivered numerous roadway, stormwater, utility, and streetscape improvements under multiple City of Sarasota continuing engineering services contracts.
- Improved stormwater management while enhancing multimodal transportation, ADA accessibility, pedestrian safety, and downtown connectivity.
- Successfully integrated stormwater infrastructure into complex urban streetscape and park improvement projects through collaborative planning and permitting.
- Established long-standing working relationships with City departments, enabling efficient delivery of continuing task orders and responsive engineering support.
- Coordinated effectively with City staff, regulatory agencies, stakeholders, adjacent businesses, and neighborhood associations to deliver constructible, community-focused solutions.



Continuing Public Works, Stormwater & Utilities Engineering Services

City of Panama City Beach, Florida

PROJECT DESCRIPTION

HR Green (formerly ISS) has supported the City of Panama City Beach under multiple continuing engineering services contracts and on standalone projects since the firm's inception in 2012. In addition, key members of our leadership team have provided engineering services for the City's utility and infrastructure programs dating back to 1992, providing decades of institutional knowledge and continuity. Recent stormwater-related work includes:

Frank Brown Park Sitewide Stormwater Improvements, Basin Area C - Performed feasibility review, capacity evaluation, hydrologic modeling, phased stormwater improvement planning, design, and permitting for Frank Brown Park, a 121.4-acre City-owned park with periodic drainage issues and planned facility expansion. The team evaluated four contributing basins using ICPR IV, assessed standing water and floodplain conditions, prepared stormwater rehabilitation concepts, developed a three-phase implementation roadmap, prepared ERP permit materials, and provided cost estimates through progressive design milestones. (Design 2025-2026, Construction 2026-2029 / Eng $490K, Const $3.5M (est) / 121.4 acres)

WWTF No. 2 Utility Campus Site Stormwater Design - Provided site/civil and stormwater engineering for the City's new WWTF No. 2 utility campus, including site grading, access drive improvements, stormwater modeling, drainage design, permitting, floodplain considerations, and coordination with geotechnical and ecological services. While primarily a wastewater project, the assignment demonstrates HR Green's ability to integrate stormwater design into large municipal infrastructure sites. (Design 2025 / Construction TBD / Eng. Fee $830K Phase 1, Const $12M (est) / 40-Acre Site)

OUTCOMES

- Developed a phased stormwater improvement roadmap for Frank Brown Park to support prioritized funding, design, permitting, and construction.
- Improved understanding of drainage performance across four contributing basins using ICPR IV modeling and field-based evaluations.
- Advanced stormwater solutions within City-owned property, avoiding right-of-way acquisition impacts.
- Integrated flood mitigation, water quality, constructability, and long-term maintenance considerations into recommended improvements.

Reference

Mark Schaeffer, PE
Utilities Director
230 S Arnold Rd, Panama City Beach, FL 32413
Phone: 850-233-5100
mark.shaeffer@pcbfl.gov

Period of Performance

Continuing Services Contract: 2014-Present

Funding Entity(ies)

- FDEP
- FEMA

Team Members Who Supported

- Brian Stahl, PE
- Pavani Silaparasetty, PE
- David Myers, PE
- Devyn Brown, PE
- Clayton McCormack, PE
- Andy Lemke, PE
- Mark Mueller, CET
- Steve Farrell
- Neako Villamil, EI
- Emily Lewis, EI

Relevancy

- Continuing Services
- Stormwater Engineering
- Stormwater Modeling
- Site Civil Design
- Utility Coordination



Exhibit C

CONTINUED...

City of Panama City Beach, Florida

- Demonstrated continuing services responsiveness through recurring Panama City Beach assignments involving stormwater, site/civil, utilities, permitting, and construction-phase support.

WHAT OUR CLIENTS SAY:

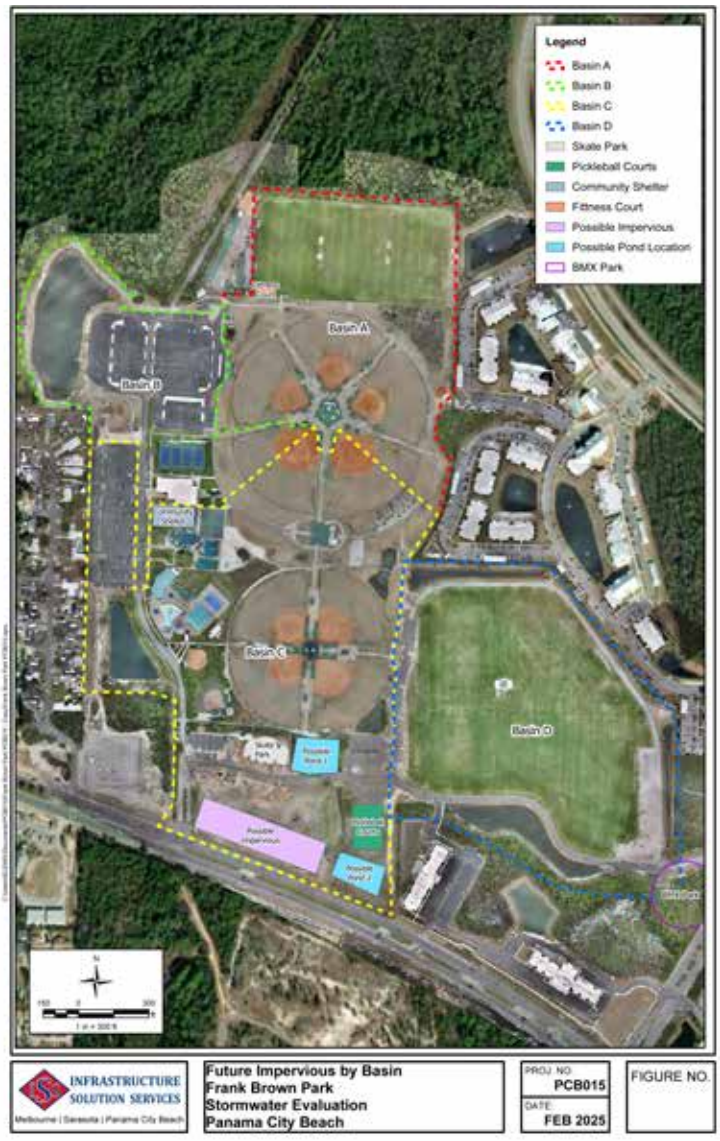
"Staff is very responsive."

"Technically astute and relates to our staff well."

"Overall Quality of work is technically sound and matches or exceeds assignment scope"

- Mark Schaeffer, PE, Utilities Director

CITY OF PANAMA CITY BEACH, FL





Stormwater Planning & Infrastructure Improvements

City of Titusville, Florida

PROJECT DESCRIPTION

HR Green (formerly ISS) has supported the City of Titusville through both key personnel experience and the City's Continuing Stormwater Services Contract. Collectively, these projects demonstrate experience in watershed master planning, GIS-based stormwater modeling, flood mitigation, water quality improvement, nutrient reduction, permitting, and implementation of stormwater best management practices to protect the Indian River Lagoon. Representative projects include:

Stormwater Watershed 3A Master Plan – Flooding & Water Quality Improvements - (Completed 2008 by key personnel while employed at a previous firm.) Developed a comprehensive stormwater master plan to identify and prioritize flood mitigation and water quality improvement projects within Watershed 3A. Services included GIS mapping, XPSWMM stormwater modeling, hydrologic and hydraulic analyses, pollutant loading evaluations, capital improvement planning, preliminary cost estimates, and implementation schedules. The study evaluated the existing stormwater system under multiple design storm events and identified recommended improvements to enhance flood protection, reduce pollutant discharges to the Indian River Lagoon, and support the City's long-term stormwater management goals in compliance with City and SJRWMD requirements. (Design 2008 / Eng $91K / Entire Watershed 3A)

Sand Point Park Nutrient Removal Baffle Box - Under the City of Titusville's Continuing Stormwater Services Contract, provided engineering services for the design and permitting of an offline nutrient-removal baffle box utilizing BioSorption Activated Media to reduce nutrient loading to the Indian River Lagoon. Services included surveying, engineering design, permitting, technical specifications, and bid documents for installation of the stormwater treatment system at Sand Point Park. (Design 2022, Construction 2023 / Eng $52K, Const $217.5K / 60 acres of Sand Point Park)

OUTCOMES

- Advanced stormwater treatment improvements to reduce nutrient loading to the Indian River Lagoon.
- Developed stormwater modeling tools to support flood reduction and water quality planning.
- Delivered design and permitting support for targeted BMP implementation.
- Supported the City's continuing stormwater program with planning-level analysis and constructible water quality improvements.

Reference

Sandra Reller, PE
Public Works Deputy Director
555 S Washington Avenue
Titusville, FL 32796
Phone: 321-567-5705
sandra.reller@titusville.com

Period of Performance

Continuing Services Contract: 2021-Present

Funding Entity(ies)

- Save Our Indian River Lagoon Program (SOIRL)

Team Members Who Supported

- Brian Stahl, PE
- David Myers, PE
- Devyn Brown, PE
- Mark Mueller, CET
- Neako Vilamill, EI
- Emily Lewis, EI

Relevancy

- Stormwater Engineering
- Stormwater Planning
- Water Quality
- Stormwater Modeling
- GIS Mapping
- BMP Design
- Nutrient Reduction
- Watershed Planning
- Capital Planning

Exhibit C

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Section 4. Customer Listing

Exhibit C

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Previous Clients for Similar Work

HR Green has extensive experience providing continuing professional engineering and stormwater consulting services to municipalities and other public-sector clients throughout Florida. The following representative clients demonstrate our successful delivery of projects and continuing services contracts with characteristics similar to those requested in this RFQ, including stormwater engineering, drainage improvements, capital improvement planning, permitting, construction administration, resiliency, and related municipal infrastructure services. The required client and reference information for each engagement is provided on the following pages.

Exhibit C

Section 4. Customer Listing

Project Name	Client	Client Address	Primary Contact	Contact Phone	Start	Completion
Stormwater BMP Phase K Certification	City of Anna Maria, FL	PO Box 779 Anna Maria, FL 34216	Amber La Rowe	941-705-9852	February 2022	December 2023
Stormwater Inventory	City of Anna Maria, FL	PO Box 779 Anna Maria, FL 34216	Amber La Rowe	941-705-9852	August 2022	February 2025
Anna Maria Stormwater BMP Improvements, Phase M	City of Anna Maria, FL	PO Box 779 Anna Maria, FL 34216	Amber La Rowe	941-705-9852	December 2022	June 2024
Aurora Street Drainage Improvements	City of Cocoa, FL	65 Stone Street Cocoa, FL 32922	Abigail Morgan, PE	321-433-8910	January 1905	February 2025
Kentucky Ave Stormwater Greenway Retrofit Design and Permitting Services	City of Fellsmere, FL	22 S. Orange Street Fellsmere, FL 32948	Armando Martinez	772-646-6303	October 2023	September 2025
Bignonia Street Culvert Replacement	City of Melbourne, FL	900 E. Strawbridge Avenue Melbourne, FL 32901	James Ennis, PE	321-608-7302	April 2024	September 2025
Frank Brown Park Stormwater Improvements	City of Panama City Beach, FL	116 South Arnold Road Panama City Beach, FL 32413	Kathy Younce	850-233-5100 ext 2407	August 2023	July 2026
Sand Point Park	City of Titusville, FL	555 S. Washington Ave Titusville, FL 32781	Sandra Peler, PE	321-383-3845	August 2022	February 2024
Westbrooke Flood Risk Reduction Project	City of West Melbourne, FL	2240 Minton Road West Melbourne, FL 32904	Tom Bradford	321-837-7771	April 2023	January 2026
SCF Bradenton: Building 27-29 Drainage	Hepner Architects, Incorporated	601 South Boulevard Suite 101 Tampa, FL 33606	Hindman, Kathy	813-229-0614	December 2021	October 2023
SCF Bradenton: Storm Drainage Swale Improvement	Hepner Architects, Incorporated	601 South Boulevard Suite 101 Tampa, FL 33606	Hindman, Kathy	813-229-0614	December 2021	December 2023
Indian Harbour Beach, FL - School Rd Drainage Evaluation	Indian Harbour Beach, FL	2055 South Patrick Drive Indian Harbour Beach, FL 32937	John Coffey	321-773-3181	November 2025	May 2026
Alhambra Exfiltration Stormwater Project	Indian Harbour Beach, FL	2055 South Patrick Drive Indian Harbour Beach, FL 32937	John Coffey	321-773-3181	July 2023	August 2025
Atlantic East And West Exfiltration Stormwater Project	Indian Harbour Beach, FL	2055 South Patrick Drive Indian Harbour Beach, FL 32937	John Coffey	321-773-3181	July 2023	January 2026
Construction Services for City Hall Baffle Box Project	Indian Harbour Beach, FL	2055 South Patrick Drive Indian Harbour Beach, FL 32937	John Coffey	321-773-3181	October 2023	August 2026
Algonquin Sports Complex Baffle Box	Indian Harbour Beach, FL	2055 South Patrick Drive Indian Harbour Beach, FL 32937	John Coffey	321-773-3181	August 2024	August 2026
Viera Island Animal Hospital	Island Animal Hospital	105 McLeod Street Merritt Island, FL 32953	Stitzel, Susan	(321) 453-2430	August 2021	December 2024
Melb ROWTP CE	City of Melbourne, FL (Jacobs)	225 East Robinson St Suite 505 Orlando, FL 32801	Thomas Baker	321-608-7310	October 2023	July 2026
Tallevast Commerce - LOMR	Jon F Swift Construction	2221 Eight St Sarasota, FL 34237	Legler, Emmalee	941-951-6100	July 2023	January 2024
Flood Mitigation/Resiliency – General Harris Street, Marbury Lane, and Penfield Street	Longboat Key, FL	501 Bay Isles Rd, Longboat Key, FL 34228	Jennifer Fehrs, PE	941-381-9610	September 2024	December 2026
Flood Mitigation/Resiliency – Bayview Drive, De Narvaez Drive, and Juan Anasco Drive	Longboat Key, FL	501 Bay Isles Rd, Longboat Key, FL 34228	Jennifer Fehrs, PE	941-381-9610	September 2024	December 2026

Exhibit C

Section 4. Customer Listing

Project Name	Client	Client Address	Primary Contact	Contact Phone	Start	Completion
SLWSD, FL - Automated Gates Evaluation	St. Lucie West Services District	452 SW Utility Drive Port St. Lucie, FL 34986	Gerard Rouse	772-340-0220	July 2025	November 2025
SLWSD, FL - Stormwater Control Structure 4B Weir Wall Design	St. Lucie West Services District	452 SW Utility Drive Port St. Lucie, FL 34986	Gerard Rouse	772-340-0220	September 2025	January 2026
Post Office Ditch Closure	St. Lucie West Services District	452 SW Utility Drive Port St. Lucie, FL 34986	Gerard Rouse	772-340-0220	August 2021	December 2023

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Section 5. Technical Approach / Methodology

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Exhibit C

Project Approach

The HR Green team brings a strong record of delivering professional engineering services for projects of similar size, type, and scope as those sought by the City of Indian Harbour Beach. Since 2012, our Florida team has supported more than 100 local government entities under over 70 continuing services contracts, providing a full range of engineering services including stormwater management, civil engineering, hydrologic and hydraulic modeling, water quality improvements, permitting, design, bidding assistance, construction engineering and inspection (CEI), and engineering services during construction. Our experience includes both large-scale capital improvement programs and flexible task order assignments that require quick mobilization, multidisciplinary coordination, and clear communication with municipal staff.

With a strong presence on Florida's Space Coast and throughout the state, and a proven track record serving coastal and barrier island communities, the HR Green team has successfully delivered critical infrastructure projects for municipalities with needs similar to those of Indian Harbour Beach. Our team is purposefully structured to provide comprehensive coverage across all critical technical disciplines, with each task order led by a dedicated Project Manager and supported by senior engineers and specialists selected to meet the specific needs of the assignment. This balanced and scalable staffing model allows us to maintain consistent internal workload management while preserving surge capacity for continuing services contracts, supporting timely delivery without overextending resources.

Our approach is grounded in proactive client communication, responsiveness, schedule adherence, and technical excellence. Each assignment is supported by a robust QA/QC program led by independent senior reviewers, and we leverage advanced project management tools to track progress, manage budgets, and deliver high-quality work products on schedule. Whether supporting routine engineering assignments, complex stormwater and resiliency projects, emergency response, or long-term capital improvements, our team is committed to exceeding the City's expectations through practical, cost-effective engineering solutions.

Stormwater engineering is one of HR Green's core practice areas. Our Florida team has successfully

Stormwater Services

Stormwater Master Planning + Design

Stormwater challenges affect public infrastructure, private property, water quality, and community resiliency. HR Green helps communities identify system deficiencies through planning and analysis, develop practical, cost-effective solutions, and deliver projects from design through construction.Construction Engineering.

Flood Control + Coastal Resiliency

Through watershed planning, hydrologic and hydraulic modeling, stormwater system improvements, flood mitigation, and resilient infrastructure design, we help coastal communities reduce flood risk, protect critical infrastructure, and improve long-term system performance.

Water Quality + Lagoon Protection

HR Green provides stormwater treatment improvements, shoreline stabilization, exfiltration systems, baffle boxes, regional treatment facilities, and watershed restoration strategies that improve water quality while protecting sensitive natural resources, including the Indian River Lagoon.

Green Infrastructure

Stormwater Best Management Practices (BMPs) help reduce flooding, improve water quality, and protect valuable natural resources. Our experience includes green infrastructure solutions that enhance system performance while supporting community sustainability goals.

Permitting + Regulatory Coordination

Successful stormwater projects require effective coordination with regulatory agencies. HR Green guides clients through the permitting process—from agency coordination and permit applications through approvals and construction compliance.

Grant + Funding Assistance

Our funding specialists help communities identify funding opportunities, develop competitive applications, and successfully implement funded projects. We integrate funding strategy into project planning to maximize available federal, state, regional, and local infrastructure funding, including the Save Our Indian River Lagoon Program.

Roadway + Drainage Infrastructure

Whether improving existing roadways or designing new transportation infrastructure, HR Green integrates roadway drainage, stormwater conveyance, and utility improvements to reduce flooding, improve mobility, and enhance long-term infrastructure resiliency.

Exhibit C

delivered flood mitigation, drainage, stormwater, water quality, and resiliency improvements for municipalities throughout the state, including numerous coastal and barrier island communities. We have extensive experience delivering continuing engineering services that mirror the scope of this RFQ, including watershed planning, drainage studies, stormwater system improvements, permitting, design, bidding assistance, construction engineering and inspection, and post-storm engineering support.

Through these ongoing assignments, our team has addressed flooding, tidal influence, sea level rise, aging infrastructure, and water quality challenges while developing practical solutions that improve system performance and protect environmentally sensitive receiving waters. This experience demonstrates our ability to manage the full lifecycle of services requested by the City—from project planning, studies, and permitting through design, bidding, construction support, emergency response, and long-term program implementation.

Project Management



Our approach centers on aligning the City's priorities with our technical expertise and proven quality management systems. We follow a structured yet adaptable methodology that ensures consistency, responsiveness, and innovation across every task order.

HR Green believes successful project management begins with assigning an experienced Project Manager who serves as the City's single point of accountability. Pavani Silaparasetty, PE, has extensive experience managing municipal infrastructure and stormwater projects throughout Florida. As Project Manager, she will be responsible for managing all team members and subconsultants, coordinating project activities, maintaining communication with City staff, and ensuring each assignment is completed on schedule, within budget, and in accordance with the City's expectations.

Successful project management is dependent upon four key elements that form the foundation of HR Green's Project Management Process:

A Responsive Partner for Coastal Infrastructure Solutions

HR Green offers the City of Indian Harbour Beach the best of both worlds—local responsiveness backed by extensive experience serving Florida's coastal communities, and the expanded technical depth of a nationwide team of nearly 800 professionals.

Our multidisciplinary team is structured to provide responsive, scalable support across stormwater, civil engineering, resiliency, water quality, surveying, environmental, coastal, and related engineering services. Through proven project management systems, immediate accessibility, and a collaborative approach, we are well positioned to help the City efficiently deliver resilient, cost-effective infrastructure solutions that protect community assets and support long-term capital improvement goals.

- Develop an understanding of the project by listening to the City. At the start of every task order, the Project Manager and appropriate technical staff meet with City representatives to fully understand the project objectives, priorities, schedule, budget, and critical issues. This collaborative approach enables our team to develop a well-defined scope, appropriate staffing plan, and efficient path forward.
- Develop a sound plan and commit the appropriate resources. The Project Manager prepares a detailed Project Management Plan (PMP) and schedule tailored to each assignment. The PMP identifies project tasks, staffing, resource requirements, milestones, and quality control measures. Each plan undergoes an independent QA/QC review to verify that the proposed approach is appropriate and that the necessary resources are committed to successfully complete the assignment.
- Actively monitor and control project performance. Project schedules, budgets, and resource allocations are reviewed weekly to ensure work remains on schedule and within budget. This proactive management approach enables the Project Manager to quickly identify potential issues, adjust resources

as necessary, and maintain accountability throughout the life of each assignment.

- Maintain timely and proactive communication. Clear communication is fundamental to every successful project. Our communication begins during project initiation and continues through regular coordination meetings, progress updates, and ongoing collaboration with City staff. The Project Manager serves as the City's primary point of contact and is responsible for coordinating all activities, communicating project status, and ensuring City staff remain informed throughout each phase of every assignment.

Accessibility to the City

HR Green is committed to being highly accessible and responsive to City staff throughout the duration of this continuing services contract.

Our Project Manager and key personnel are located on Florida's Space Coast, enabling on-site meetings, field reviews, and rapid response to project needs. This local presence also allows our team to quickly mobilize for emergency response, post-storm assessments, and recovery support when needed. Additional technical specialists are available to participate remotely or travel to the City as assignments require.

Communication is tailored to the needs of each task order. We will conduct regular progress meetings, either in person or virtually, supplemented by written updates that track project progress, schedule, budget, and key milestones. The Project Manager will remain readily accessible by cell phone and email and will coordinate closely with City staff to ensure prompt responses to questions and emerging issues.

For assignments involving permitting or external funding, our team will work directly with regulatory agencies and funding partners to support permit coordination, grant compliance, and timely project delivery.

When projects require public involvement, HR Green will assist the City with public meetings, stakeholder coordination, and community outreach to communicate project objectives, present design progress, answer questions, and maintain public confidence throughout project implementation.

Our commitment to accessibility ensures seamless coordination, rapid problem-solving, and responsive service throughout the life of the contract, providing the City with a dependable partner capable of supporting assignments of every size and complexity.

Project Planning

For each assignment, our first priority is to develop a thorough understanding of the project's background, existing conditions, previous studies, anticipated future needs, and the City's objectives, budget, and schedule expectations. This foundational understanding guides development of a detailed scope of work and task order that aligns with the City's priorities.

Our internal Project Management Plan outlines the work to be completed and identifies each major deliverable, milestone, and project dependency. The plan is developed collaboratively with the appropriate discipline leads and considers permitting requirements, technical challenges, constructability, funding considerations, and coordination with ongoing City initiatives. Based on this planning effort, we commit the appropriate technical resources to ensure efficient, coordinated execution of every assignment while maintaining the flexibility to respond to changing priorities throughout the contract.

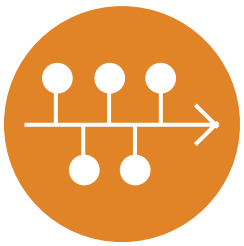
Our Continuing Services

While individual task orders vary in scope and complexity, HR Green follows a consistent project delivery framework that emphasizes responsive communication, technical excellence, proactive quality management, and flexibility to tailor our services to each assignment.

Task Order Request Process

1. Scope & Fee Development
2. Project Planning
3. Field Investigation / Studies
4. Engineering & Design (as applicable)
5. QA/QC
6. Permitting
7. Bidding Assistance
8. CEI / Construction Support
9. Closeout & Ongoing Support

Project Progression



The approach HR Green takes for engineering assignments is to progress through the overall design in several phases or steps, as appropriate for the specific task order. While not every assignment will require each phase, this structured process provides flexibility while ensuring consistency, quality, and effective project management. Major project phases may include:

- Pre-Design Services
- Basis of Design Report (as appropriate)
- Preliminary Design/Development Phase (approximately 30%)
- Design and Development Phase (60% and 90% design)
- Final Design Phase (100%)
- Bidding and Negotiation Phase
- Construction Engineering and Inspection (CEI) and Engineering Services During Construction

Based on our experience, HR Green's approach to delivering high-quality engineering services during each phase is described in the subsections that follow.

Pre-Design Phase

Successful projects begin with a thorough understanding of existing conditions. During the Pre-Design Phase, we collect and evaluate available background information necessary to define project requirements and identify potential constraints. Depending on the assignment, this may include utility locates, topographic and boundary surveys, drone aerial photography, GIS mapping, hydrologic and hydraulic data collection, environmental information, existing infrastructure assessments, and review of available record drawings.

We also evaluate applicable permitting requirements and coordinate with regulatory agencies early in the process to identify potential permitting considerations. For stormwater and resiliency projects, our team reviews drainage patterns, tidal influences, flooding history, water quality considerations, and other site-specific conditions that may affect design.

This early effort allows us to identify potential challenges, evaluate alternatives, and develop practical engineering solutions that best meet the City's objectives while minimizing project risks and maintaining schedule.

Basis of Design Phase

During the Basis of Design Phase, we work closely with City staff to develop a comprehensive understanding of operational needs, project goals, existing challenges, and long-term objectives. This collaborative process establishes the technical foundation for design and helps ensure the preferred solution reflects the City's priorities.

When appropriate, we evaluate multiple alternatives using weighted decision criteria developed with City input. Considerations may include constructability, resiliency, long-term operations and maintenance, permitting requirements, environmental impacts, life-cycle costs, and overall value. For projects involving public improvements or community impacts, stakeholder and public input may also be incorporated into the evaluation process.

The Basis of Design provides a clear roadmap for subsequent design activities while documenting key assumptions, design criteria, and major project decisions.

Preliminary Design Phase (30%)

During the Preliminary Design Phase, we confirm design criteria, establish project parameters, and begin development of preliminary engineering documents. Equipment, materials, and design approaches are evaluated based on project requirements, regulatory standards, City preferences, and long-term operational considerations.

Our team prepares preliminary plans, layouts, calculations, and cost opinions using information collected during the Pre-Design Phase. We identify permitting requirements, utility conflicts, constructability considerations, right-of-way needs, and other issues that could affect project implementation. Potential project risks are discussed with the City early so they can be addressed before advancing design.

The Preliminary Design Submittal typically includes preliminary drawings, supporting calculations, a technical memorandum, and an Engineer's Opinion of Probable Cost. The technical memorandum identifies key design assumptions, permitting considerations, outstanding issues, and specific decisions requiring City input before proceeding to the next phase.

Design and Development Phase (60% and 90%)

The Intermediate Design Phase advances the project by incorporating City review comments and further developing the engineering design. Design calculations

are refined, survey information and geotechnical data are incorporated as appropriate, and all major design elements are coordinated among technical disciplines.

The 60% Design Submittal includes updated plans, calculations, specifications, and cost estimates for City review. During this phase, structural, electrical, instrumentation, landscape architecture, coastal engineering, and other specialty disciplines are fully integrated into the design as required by the assignment.

The 90% Design Phase incorporates City comments from the previous review while completing contract documents, technical specifications, bid schedules, permit applications, and final coordination among all disciplines. Value engineering opportunities continue to be evaluated throughout design to maximize long-term performance while maintaining budget objectives.

Final Design Phase (100%)

The Final Design Phase incorporates all remaining City comments and finalizes the complete construction documents for bidding. Plans, specifications, contract documents, permitting documentation, and the final Engineer's Opinion of Probable Cost are completed and submitted for City approval.

At the completion of this phase, HR Green assists the City in obtaining remaining regulatory approvals, completing permit coordination, and preparing the project for bidding and construction.

Bidding and Negotiation Phase

HR Green will assist the City throughout the bidding process by attending pre-bid meetings, preparing responses to bidder questions, issuing design clarifications or addenda as needed, reviewing bids, evaluating contractor qualifications, and preparing recommendations for award.

Providing timely, clear responses during bidding minimizes ambiguity, promotes competitive pricing, and helps reduce the potential for change orders during construction. Following receipt of bids, our team performs a detailed review of the apparent low bidder's qualifications, references, responsiveness, and compliance with bid requirements to support the City's award decision.

Construction Phase

HR Green has extensive experience providing engineering services during construction for municipal infrastructure, stormwater, resiliency, and civil engineering projects throughout Florida. Depending on the specific task order, our team can provide the following services during construction:

- Project Coordination and Meetings
- Construction Contract Administration
- Construction Engineering and Inspection (CEI)
- Engineer of Record Services
- Resident Observation and Site Visits
- Quality Assurance / Quality Control
- Review of Shop Drawings, RFIs, and Change Orders
- Project Closeout, Record Drawings, and Certifications

When authorized by the City, our CEI staff provide inspection, documentation, materials coordination, contractor oversight, and construction observation services to help ensure work is completed in accordance with the contract documents.

We believe quality engineering services during construction are critical to project success. The level of construction support is tailored to the scope and complexity of each assignment. Our team includes experienced engineers, CEI professionals, and technical specialists with successful track records supporting municipal infrastructure improvements throughout Florida.

Our local presence enables key personnel and technical specialists to quickly mobilize to project sites to address field conditions, resolve construction issues, provide post-storm assessments, or support emergency response activities when needed.

Project Closeout

Our closeout procedures ensure accurate record drawings, complete documentation, and timely submission of final deliverables. Records are maintained throughout the project to support efficient closeout and future City reference.

Project Controls

Budget Tracking and Billing Procedures



The HR Green Team recognizes the importance of fiscal discipline for on-call, task order–based services and is committed to delivering cost-effective professional engineering services for Indian Harbour Beach under this continuing services contract.

For each task order, we work with City staff to clearly define scope, deliverables, and level of effort, ensuring services remain aligned with the City's priorities and approved budgets.

Budget control is supported through proactive cost tracking, disciplined scope management, and efficient resource allocation. Our Project Manager monitors labor and expenses against the authorized task order and communicates promptly with the City regarding progress, budget status, or any potential need for scope clarification. This approach prevents scope creep and supports transparency throughout project execution.

Key budget management strategies include:

- Defined Task Orders: Clear scope, schedule, and fee established and approved prior to initiating work.
- Experienced Project Leadership: Senior oversight to anticipate issues and avoid rework.
- Efficient Resource Use: Leveraging in-house multidisciplinary staff to reduce handoffs and control costs.
- QA/QC Integration: Early and ongoing quality reviews to minimize revisions and change orders.
- Active Cost Monitoring: Regular review of expenditures against task order budgets, with timely communication of any risks.

Through these controls, the HR Green Team consistently delivers general civil, utility, drainage, stormwater, and construction administration services within budget.

Scheduling and Project Management

The HR Green Team is committed to timely delivery of services, recognizing that assignments may involve public safety considerations or time-sensitive needs following storm events. Our approach emphasizes realistic scheduling, active monitoring, and responsive coordination.

Each task order includes a defined schedule appropriate to scope and urgency. The Project Manager actively tracks progress and milestones, adjusting resources as needed.

Schedule management practices include:

- Milestone-Based Scheduling: Clear identification of key deliverables such as field reviews, design submittals, permitting coordination, and construction support.
- Active Monitoring: Ongoing review of progress to identify and address potential delays early.
- Clear Communication: Regular status updates and coordination with City staff to support timely decisions.
- Agency Coordination: Proactive scheduling of reviews and submittals with FDOT, SJRWMD, FDEP, and other agencies, as applicable.

This structured approach supports reliable delivery for both planned improvements and rapid-response assignments.

Smart Project Execution: Schedule & Cost Control

ISS combines disciplined project management with transparent cost tracking to deliver reliable, on-time results.

- Task-specific Project Management Plans (PMPs): Developed by the Project Manager to define scope, staffing, milestones, and budgets from day one.
- Proactive schedule tracking: Weekly reviews using Microsoft Project and internal dashboards keep timelines on track and allow early issue resolution.
- Accurate, milestone-based cost estimates: Built from historical bid data, vendor quotes, and regional pricing—refined and peer-reviewed at every phase.
- Real-time visibility: Regular updates keep the City informed on progress, risks, and recommended adjustments.
- Integrated QA/QC: Ensures both time and cost controls align with the City's goals, funding constraints, and infrastructure priorities.

Quality Control

The HR Green Team recognizes that quality assurance and quality control (QA/QC) are essential to this contract, ensuring all work aligns with the City's objectives, regulatory requirements, and expectations for practical, buildable solutions. Our QA/QC program is a structured, multi-layered process that reinforces technical accuracy, compliance, and constructability while supporting efficient delivery of general civil engineering, drainage, stormwater, survey coordination, permitting, and construction administration services.

Our QA/QC methodology is built on four key principles:

- Experienced Personnel & Continuous Training – Our engineers and technical staff maintain current knowledge of applicable standards, best practices, and tools used in civil, utility, drainage, and stormwater design, including AutoCAD®, Civil 3D®, GIS, and modeling platforms. Ongoing training supports consistent application of emerging methods and regulatory updates.
- Efficient Documentation & Record-Keeping – We maintain thorough project documentation to ensure traceability, consistency, and compliance with City, state, and federal requirements. This includes documentation supporting civil and utility design, drainage and stormwater evaluations, survey coordination, permitting, and construction-phase services.
- Innovative Design Verification & Auditing – Internal reviews, peer checks, and targeted design audits validate technical accuracy, confirm compliance with applicable criteria, and identify opportunities to improve constructability, efficiency, and long-term performance.
- Client Feedback Integration – We maintain open, continuous communication with City staff throughout each task order. Feedback is incorporated directly into subsequent refinements and QA/QC reviews to maintain alignment with City priorities and expectations.

QA/QC Process Steps

Our QA/QC procedures are embedded throughout each phase of work, from initial scoping to final deliverables. Key steps include:

- Senior Engineer Independent Review. Each task order is assigned a senior engineer to conduct independent QA/QC oversight, providing objective evaluation of design decisions, technical documentation, and project assumptions.
- Continuous Critical Step Review. Quality checks occur throughout project execution—not only at milestones. Reviews address civil and utility design elements, drainage and stormwater evaluations, survey coordination, constructability considerations, and permitting documentation.
- Recommendation Challenge Review. Senior engineers evaluate alternatives and challenge recommendations to confirm alignment with technical requirements, funding considerations, feasibility, and City priorities.
- Plans, Specifications, and Bid Documents Review. Prior to submittal, all plans, specifications, and bid-related documents are reviewed for clarity, completeness, constructability, and consistency with City procurement requirements to reduce risk during bidding and construction.

In-house reviews occur at every stage to ensure completeness, coordination between disciplines, and consistency across deliverables. City review comments are incorporated promptly into subsequent submittals. This structured QA/QC framework supports reliable delivery of general civil engineering, utility, drainage, stormwater, and construction administration services—and ensures all work products meet the City's expectations for quality, efficiency, and long-term value.

BUILT-IN QUALITY. ZERO SURPRISES.

Our independent QA/QC process—led by senior reviewers not involved in production—ensures every deliverable meets City standards, reduces rework, and keeps projects on track.

Permitting and Regulatory Agency Coordination



The HR Green team will proactively coordinate with key regulatory and oversight agencies to ensure compliance and streamline approvals for civil engineering, stormwater, resiliency, water quality, and post-storm recovery projects throughout the City of Indian Harbour Beach. Within the Indian Harbour Beach region, stormwater permitting, floodplain management, and water resource protection are primarily administered by the St. Johns River Water Management District (SJRWMD) in coordination with the Florida Department of Environmental Protection (FDEP) and, where applicable, the U.S. Army Corps of Engineers (USACE). Our team has extensive experience coordinating Environmental Resource Permits (ERPs), stormwater improvements, drainage system enhancements, water quality projects, and coastal resiliency initiatives within coastal communities similar to Indian Harbour Beach.

The Florida Department of Environmental Protection (FDEP) provides oversight for water quality, stormwater treatment, and environmental compliance, while the Florida Fish and Wildlife Conservation Commission (FWC) may be involved where habitat or protected species considerations apply. Projects within or adjacent to state road rights-of-way may require coordination with the Florida Department of Transportation (FDOT), while projects affecting wetlands, navigable waters, or shoreline resources may require coordination with the U.S. Army Corps of Engineers (USACE). The HR Green team routinely manages permitting and agency coordination efforts, including ERP approvals, water quality compliance, coastal permitting, habitat coordination, and roadway drainage and right-of-way permits, as applicable.

Additional agencies that may be involved depending on project scope include:

- City of Indian Harbour Beach and Brevard County – Coordination related to development review, roadway permits, utility interfaces, drainage improvements, and community coordination.
- Florida Division of Emergency Management (FDEM) – Projects associated with disaster recovery, hazard mitigation, and state-funded resiliency initiatives.
- Federal Emergency Management Agency (FEMA) – Floodplain coordination, hazard mitigation, damage assessments, and compliance with floodplain management requirements.

Through established working relationships with these agencies and a proactive, coordinated approach, the HR Green team helps minimize permitting risk, reduce review cycles, and support timely project delivery. This approach ensures that all work performed complies with applicable federal, state, and local requirements while supporting the City's goals for resilient infrastructure, improved stormwater management, enhanced water quality, and protection of the Indian River Lagoon.

Communication

Clear, timely, and effective communication is fundamental to successful project delivery and is a core practice of the HR Green Team. We emphasize transparency, responsiveness, and technical clarity to ensure the City of Indian Harbour Beach receives accurate information, well-organized documentation, and proactive updates throughout each task order.

Contract Management Communication



Following contract award, we will coordinate with City staff to confirm priorities, establish points of contact, and define communication protocols for task order execution. Regular check-ins will be maintained as requested by the City to ensure ongoing alignment, even during periods of limited activity.

Project Management Communication

Each task order is supported by structured, project-level communication led by the Project Manager. This includes:

- Project Initiation: Kickoff coordination to confirm scope, objectives, schedule, and deliverables.

- Progress and Status Updates: Regular updates on task status, milestones, and upcoming activities, tailored to the City's preferred format.
- Technical Coordination: Clear communication of design assumptions, constraints, and decision points to support timely City input.
- Agency Coordination: Facilitation of communication with FDOT, SJRWMD, FDEP, and other agencies, as applicable.

Public and Community Communication

When assignments involve public-facing improvements, the HR Green Team supports City-led outreach efforts through coordination at public meetings, preparation of clear project information, and professional interaction with residents during field reviews and site activities.

Commitment to Responsiveness

Our communication approach supports informed decision-making and efficient execution. Through proactive coordination and clear reporting, the HR Green Team ensures Indian Harbour Beach receives timely, actionable information in support of general design, survey coordination, permitting, construction administration, and post-storm response services.

Post-Storm Scenarios

The HR Green Team has extensive experience providing post-storm emergency response and disaster recovery engineering support for Florida municipal clients following hurricanes and tropical systems. Our team has supported municipal clients throughout Florida following hurricanes and tropical storm events, including large-scale disaster recovery programs, rapid damage assessments, infrastructure evaluations, and emergency engineering services. Under this contract, we are prepared to respond promptly and effectively through emergency inspections, survey coordination, infrastructure evaluations, expedited permitting assistance, and construction administration, supported by disciplined project management, integrated QA/QC, and clear communication to ensure efficient resource allocation, cost-effective recovery actions, and quality results while maintaining compliance with applicable federal, state, and local requirements.

Funding Assistance for Florida Government Entities



At At HR Green, we are dedicated to helping the City secure critical funding for its infrastructure projects through state and federal grant and loan programs. Our experience and deep understanding of the public infrastructure funding landscape enable us to effectively identify, apply for, and manage a wide range of funding opportunities, including programs that support stormwater improvements, water quality initiatives, coastal resiliency, flood mitigation, and Save Our Indian River Lagoon (SOIRL) projects. HR Green has long-standing relationships with key state agencies that administer appropriations and can assist the City in arranging meetings with legislators and other key figures associated with the appropriations process. We work closely with Florida local government entities, leveraging our knowledge to navigate complex application processes—including identifying, applying for, and securing state and federal funding—to maximize available financial assistance and help clients accomplish more with limited local resources.

HR Green clients have benefited greatly from HR Green staff success in applying for and managing hundreds of millions in state and federal grant, low-interest loan, and reimbursement funds. HR Green personnel have significant expertise in grant management and the intricacies associated with managing grant dollars, and we can assist our clients with ensuring compliance with critical grant program requirements such as proper procurement and documentation of work.

Our commitment to securing supplemental funding is evidenced by our track record of obtaining substantial grant dollars for our clients. Over the past 13 years, our team has successfully secured more than $660 million Our expertise covers a wide range of funding mechanisms, including those supporting stormwater infrastructure, resiliency, water quality, and Save Our Indian River Lagoon (SOIRL) initiatives, ensuring the City can achieve more with less reliance on local funding. By partnering with

HR Green, the City will benefit from our comprehensive approach to funding assistance, enabling the execution of critical utility projects that enhance community infrastructure and resilience.

The table that follows provides a sampling of the loans and grants that the HR Green team has secured for our clients for infrastructure projects over the past 13 years.

This partial listing shows over $200 million in supplemental financing obtained for our clients in the past few years alone.

Client	Amount
Martin County, FL	> $35 Million
Leon County, FL	> $60 Million
Brevard County Utilities (FL)	~$25 Million
City of West Melbourne, FL	> $12 Million (Est)
City of Anna Maria, FL	>$5 Million
City of Fellsmere, FL	~$16 Million (Est)
City of Dade City, FL	> $13 Million
City of Melbourne, FL	> $45 Million

Section 6. Availability and Responsiveness

Exhibit C

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Capacity to Perform the Requested Services

HR Green's Florida operation is structured to deliver the full range of engineering and stormwater consulting services requested under this continuing services contract through experienced in-house professionals supported by carefully selected specialty subconsultants. This integrated approach allows us to self-perform the majority of engineering services while strategically supplementing our team with specialized expertise when appropriate. Our multidisciplinary staff routinely supports concurrent municipal assignments involving stormwater engineering, civil engineering, capital improvement planning, permitting, construction administration, grant implementation, and emergency response.

Project leadership continuously evaluates staffing assignments, project schedules, and resource availability to proactively align personnel with changing priorities and new task orders. This approach allows us to efficiently balance concurrent assignments while maintaining consistent project management, responsive communication, and high-quality project delivery.

Local Presence. Lasting Partnership.

With an experienced Melbourne-based team already supporting active City of Indian Harbour Beach projects, HR Green provides immediate responsiveness, local knowledge, and the technical depth to help Indian Harbour Beach successfully deliver today's priorities while planning for tomorrow's infrastructure needs.

Our Capacity to Serve the City Includes:

- **Multidisciplinary Expertise Across Required Services:** We offer comprehensive in-house expertise in general civil engineering; utility and stormwater design; drainage analysis; survey coordination; environmental support; permitting; and construction administration services. Most of these capabilities are delivered through our in-house professionals for direct control and consistent quality. When specialized expertise is beneficial, we draw on proven consultants whose skills complement our team and add value to the City's projects.
- **In-House Delivery Capacity:** The HR Green Team maintains the capacity to self-perform the majority of all assigned work. We employ licensed engineers, technical specialists, and project support staff across the core service areas relevant to the City's requested scope of services. Consultants are assigned to defined roles that enhance—not replace—our in-house capabilities.
- **Regulatory Compliance and Quality Assurance:** Our professionals ensure all services align with federal, state, and local regulations and applicable procurement, permitting, and public records requirements. Both our staff and our consultants meet the City's standards for licensing, supporting a transparent and compliant working relationship.
- **Proven Project Management and Cost Control Systems:** We apply consistent project management practices to every task order, including scheduling, cost tracking, document control, and QA/QC workflows. Our internal project management systems support efficient coordination of schedules, RFIs, deliverables, estimates, and QA/QC activities. Consultants are fully integrated into these processes to ensure continuity and accountability.
- **Extensive Public Sector Experience:** Approximately 90% of our Florida work is performed for public-sector clients across the state. The HR Green Team and our specialized consultants have delivered stormwater, drainage, civil, coastal, and resiliency infrastructure projects for municipalities and counties statewide. This experience provides familiarity with funding limitations, operational requirements, and the rapid responsiveness needed under continuing services contracts.
- **Capital Improvement Planning and Funding Strategy:** HR Green helps municipalities evaluate infrastructure needs, prioritize capital improvements, develop phased implementation plans, and position projects for funding. Our experience includes identifying and securing federal, state, regional, and local funding opportunities—including the Save Our Indian River Lagoon (SOIRL) Program—to help communities maximize available resources and advance priority infrastructure improvements so they can accomplish more with fewer local funds.
- **Technology-Driven Document and Data Delivery:** HR Green uses industry-leading engineering and geospatial tools—including AutoCAD Civil 3D, ArcGIS, hydraulic and hydrologic modeling software, GIS-based asset management

systems, and electronic document management platforms—to develop accurate plans, analyses, models, and technical documentation. These tools support efficient project coordination, reliable electronic deliverables, data-driven decision-making, and seamless collaboration with City staff throughout planning, design, permitting, and construction

- **Specialized Knowledge of Coastal Florida and Space Coast Infrastructure:** With extensive experience delivering projects in Florida's coastal communities, including the Space Coast, our Florida operation understands the permitting, design, and regulatory considerations associated with storm surge, high groundwater, localized flooding, and hurricane / tropical storm impacts. We routinely coordinate with FDEP, the Army Corps of Engineers, FDOT, and FEMA (as applicable), and regional water management districts, ensuring designs and documentation reflect the City's unique coastal conditions while improving stormwater performance, protecting water quality, and enhancing long-term resiliency.
- **Proven Capability for Post-Storm and Emergency Response:** Our Florida operation has extensive experience supporting municipalities statewide with rapid post-storm assessments, field inspections, damage documentation, and restoration guidance following hurricanes and tropical systems. We are prepared to mobilize quickly to evaluate drainage, stormwater, and site conditions; identify hazards; recommend stabilization or emergency repairs; and provide clear documentation to support prioritization and recovery decisions. This capability ensures the City receives timely, technically sound support when storm events affect critical infrastructure.
- **Commitment to Stakeholder Engagement and Communication:** We work closely with municipal staff, elected officials, and community stakeholders to support clear and responsive communication. Our team presents technical information in accessible, user-friendly formats and is prepared to participate in meetings, workshops, and public discussions as needed throughout the contract.
- **Flexible, Scalable Team Structure to Support Evolving Needs:** We have extensive experience delivering work under continuing services contracts for municipalities across Florida. Our adaptable structure allows us to allocate resources based on project complexity, schedule, and changing City priorities. The combination of a capable in-house team and specialized consultants provides scalability for both routine and multi-discipline assignments.

Ability to Respond to the City

HR Green understands that responsiveness is one of the most important elements of a successful continuing services contract. Our Melbourne office is located just minutes from Indian Harbour Beach, allowing our team to respond quickly for meetings, field investigations, construction support, emergency response, and post-storm assessments. This local presence is reinforced by the resources of HR Green's 800-person national organization, providing the City with immediate access to specialized expertise whenever needed.

Our familiarity with the City is strengthened by our ongoing work on the Atlantic Boulevard East and West Exfiltration Stormwater Improvements, Alhambra Street Stormwater Improvements, and City Hall/Algonquin Sports Complex Baffle Box projects. This experience provides valuable knowledge of the City's infrastructure, permitting environment, and project delivery expectations, allowing us to efficiently support future assignments while minimizing the learning curve.

Always Ready.
Always Responsive.

- Dedicated Project Manager and single point of contact
- Melbourne office minutes from Indian Harbour Beach
- Immediate access to experienced Florida technical specialists
- Scalable in-house staff and trusted specialty subconsultants
- Rapid response for urgent assignments and post-storm support
- Consistent QA/QC and executive oversight on every task order

Availability of the Proposed Project Personnel

Our commitment to the City of Indian Harbour Beach is underpinned by the assured availability of our key personnel. Our team is dedicated to providing consistent, high-quality oversight and execution for the City. Our key personnel's time is strategically allocated to ensure robust support for all assigned task orders, with flexibility built in to adapt their involvement as project phases and demands evolve to meet the specific scope, schedule, and complexity of individual projects authorized by the City.

To further ensure reliability, our team conducts routine internal reviews of the Project Management Plan in coordination with our active workload across the firm. This deliberate review process enables leadership to assess current and projected assignments, anticipate staffing demands, and proactively align resources to upcoming task orders. By continuously evaluating capacity against schedule milestones and anticipated authorizations, we are positioned to adjust assignments, supplement technical staff, and deploy additional expertise in advance of peak workloads. This forward-looking approach minimizes resource constraints and ensures uninterrupted service delivery.

Our team's dedicated availability is a cornerstone of our approach, ensuring that our highly qualified professionals have the necessary capacity to deliver timely and effective solutions. Through careful internal resource planning and a clear focus on this contract, HR Green ensures that our team members are not only experts in their fields but are also readily accessible to foster seamless collaboration with City personnel and drive successful project outcomes from initiation through completion. Furthermore, our relationships with our subconsultants have been cultivated over many years, ensuring they consistently prioritize our projects and provide exceptional support.

Pavani Silaparasetty, PE, will serve as the City's dedicated Project Manager and primary point of contact throughout the contract. Under Pavani's leadership, and supported by **Principal-in-Charge Brian Stahl, PE**, our scalable staffing model allows us to efficiently support multiple concurrent assignments while maintaining consistent project management, close coordination with City staff, and continuity across every task order. Pavani has the authority to quickly assemble the appropriate technical specialists based on each assignment's scope, schedule, and complexity, ensuring the City receives the right expertise at the right time.

Supported by our Florida operations, national technical resources, and trusted specialty subconsultants, our proposed project team is well positioned to respond to changing priorities, accelerated schedules, and emergency assignments while maintaining the high level of service the City expects.

Availability of HR Green Personnel Resources

Key Personnel	Availability for Indian Harbour Beach	Additional Resources
Principal-in-Charge Brian Stahl, PE	Executive oversight and strategic support throughout the contract.	HR Green Florida leadership and national technical resources.
Project Manager Pavani Silaparasetty, PE	Primary day-to-day contact; immediately available for task order management and coordination.	Supported by additional Florida project managers.
Stormwater / Civil Engineering Devyn Brown, PE; David Myers, PE; Emily Lewis, EI; Neako Villamil, EI	Available for concurrent planning, design, permitting, and construction services.	Additional civil and stormwater engineers available statewide.
Planning / CIP / Grant Services Brian Stahl, PE; Devyn Brown, PE; Clayton McCormack, PE; Andy Lemke, PE; Elena Arrivillaga	Available to support capital planning, grant strategy, and funding implementation.	Supported by HR Green planning and funding specialists.

Section 6. Availability and Responsiveness

Key Personnel	Availability for Indian Harbour Beach	Additional Resources
Construction Administration & CEI David Trafton; Neako Villamil, EI	Available throughout bidding and construction.	Additional construction professionals available as needed.
GIS & Mapping / Modeling David Myers, PE; Scott Cunningham, PE, CFM, ENV SP; Mike Fischer, PSM; Joao Nascimento, EI	Available for field investigations, mapping, and data collection.	Supplemental survey crews and GIS specialists.
Structural / Electrical / Specialty Disciplines Nathan Brandt PE; Kevin Peplar, PE; Ghislain Adandedjan PE; Tom Adams, PE; Teresa Stadelman, CFM, PE; Derek St. John , PE	Available as needed for specialized task orders.	Additional HR Green and specialty consultant resources.

Section 7. Acceptance of Conditions

Exhibit C

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Section 7. Acceptance of Conditions

HR Green has reviewed the RFQ and provides the following exceptions, clarifications, and proposed revisions to the RFQ terms and conditions. These comments are offered to facilitate contract negotiations and establish a mutually acceptable agreement. The requested revisions are identified below for the City's consideration.

From RFQ 2026-01: Pages 7-8 of 13

25. PATENT INDEMNITY: Except as otherwise provided, the successful respondent agrees to indemnify the City and its officers, ~~agents,~~ and employees against liability, including costs and expenses for infringement upon any letters patent of the United States arising out of the performance of this Contract or out of the use or disposal by or for the account of the City or supplies furnished or construction work performed hereunder, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Respondent and persons employed or utilized by the Respondent in the performance of the construction contract.

26. Further, the Respondent shall fully indemnify, ~~defend,~~ and hold harmless the City and its officers, ~~agents,~~ and employees from any ~~suits, actions~~, liabilities, damages, and costs ~~of every name and description~~, including reasonable attorneys' fees, arising from or relating to violation or infringement of a trademark, copyright, patent, trade secret, unpatented invention, or intellectual property right. If the bidder uses any design, or materials covered by letters, patents, or copyrights, it is mutually agreed and understood that the bid price shall include all royalties or costs arising from the use of such design, device, or materials.

28. Conflict of Interest/Non-Collusion:

[...]

The Respondent further declares by submission of a qualification package that a careful examination of the scope of services, instructions, and terms and conditions of this bid has occurred, and that the bid is made according to the provisions of the bid documents, and will meet ~~or exceed~~ the scope of services, requirements, and standards therein contained.

Exhibit C

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Section 8. Other Documents

Exhibit C

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Professional Affiliations & Industry Engagement

HR Green's professionals maintain active involvement in leading engineering and public infrastructure organizations that support continuing education, technical collaboration, and advancement of industry best practices. Our team participates in organizations focused on stormwater management, water resources, municipal engineering, public works, floodplain management, and utility infrastructure, allowing us to remain current with evolving regulations, design standards, emerging technologies, and funding opportunities that benefit Florida communities.

The following affiliations represent professional organizations in which members of the proposed project team actively participate. This is a representative list of relevant memberships and leadership involvement and is not intended to be a comprehensive list of company-wide affiliations.

- American Society of Civil Engineers (ASCE), including the Space Coast Branch
- American Public Works Association (APWA)
- Florida Water Environment Association (FWEA)
- Water Environment Federation (WEF)
- American Water Works Association (AWWA)
- American Council of Engineering Companies (ACEC)
- Association of State Floodplain Managers (ASFPM)
- Society of American Military Engineers (SAME)
- National Association of Environmental Professionals (NAEP)
- Leadership Florida
- Florida Chamber of Commerce
- American Consulting Engineers Council Senior Executive Institute
- Structural Engineering Institute (SEI)
- Council for Urban & Economic Development (CUED)
- National Brownfields Association

Several members of our team have served in leadership positions within these organizations, including committee chair appointments, board service, and statewide industry leadership roles that demonstrate their commitment to advancing engineering practice and supporting Florida's municipal infrastructure profession.

Licenses and Certifications

HR Green Licenses and Registrations

State of Florida
Department of State

I certify from the records of this office that HR GREEN, INC. is an Iowa corporation authorized to transact business in the State of Florida, qualified on May 5, 2005.

The document number of this corporation is F05000002833.

I further certify that said corporation has paid all fees due this office through December 31, 2026, that its most recent annual report/uniform business report was filed on February 9, 2026, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Talkahassee, the Capital, this the First day of May, 2026

Secretary of State

Tracking Number: 3428076548CU

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

Licenses and Certifications

HR Green Licenses and Registrations



THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

Florida dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 4:53:58 PM 6/29/2023

Licensee Information

Name:	HR GREEN, INC. (Primary Name)
Main Address:	8710 EARHART LANE SW CEDAR RAPIDS Iowa 52404
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	29945
Status:	Current
Licensure Date:	06/28/2012
Expires:	

Special Qualifications	Qualification Effective

Alternate Names

View Related License Information

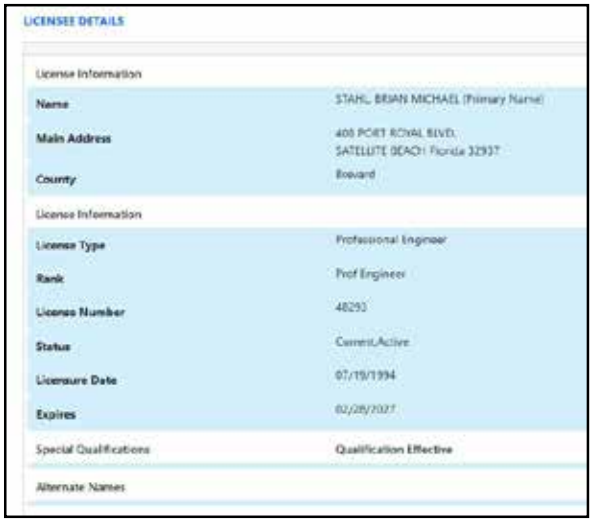
View License Complaint

2601 Blair Stone Road, Tallahassee FL 32399 :: Email: Customer Contact Center :: Customer Contact Center: 850.487.1395

The State of Florida is an AA/EEO employer. Copyright 2007-2010 State of Florida. Privacy Statement

Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our Chapter 455 page to determine if you are affected by this change.

HR Green Personnel Licenses and Registrations



LICENSEE DETAILS

License Information

Name	STAHL, BRIAN MICHAEL (Primary Name)
Main Address	408 PORT ROYAL BLVD. SATELLITE BEACH Florida 32937
County	Brevard

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	48293
Status	Current,Active
Licensure Date	07/19/1994
Expires	02/28/2027
Special Qualifications	Qualification Effective

Alternate Names



LICENSEE DETAILS

License Information

Name	SILAPPASETTY, PAVANI (Primary Name)
Main Address	11304 SEA GRASS CIRCLE BOCA RATON Florida 33498
County	Palm Beach

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	101556
Status	Current,Active
Licensure Date	06/05/2025
Expires	02/28/2027
Special Qualifications	Qualification Effective
Environmental	06/05/2025

Alternate Names



LICENSEE DETAILS

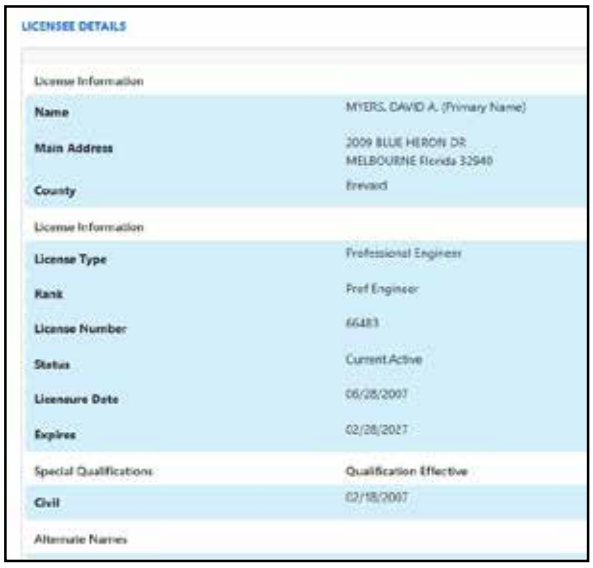
License Information

Name	BROWN, DEVIN MILLER (Primary Name)
Main Address	5743 FORESTER OAK CT SARASOTA Florida 34243
County	Sarasota
License Mailing	5743 FORESTER OAK COURT SARASOTA Florida 34243
County	Sarasota

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	68380
Status	Current,Active
Licensure Date	07/25/2008
Expires	02/28/2027
Special Qualifications	Qualification Effective
Civil	12/06/2007

Alternate Names



LICENSEE DETAILS

License Information

Name	MYERS, DAVID A. (Primary Name)
Main Address	2009 BLUE HERON DR MELBOURNE Florida 32940
County	Brevard

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	66483
Status	Current,Active
Licensure Date	06/28/2007
Expires	02/28/2027
Special Qualifications	Qualification Effective
Civil	02/18/2007

Alternate Names



LICENSEE DETAILS

License Information

Name	MCCORMACK, CLAYTON E. (Primary Name)
Main Address	2061 TWELVE OAKS DR. SE PALM BAY Florida 32909
County	Brevard

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	65475
Status	Current,Active
Licensure Date	12/04/2006
Expires	02/28/2027
Special Qualifications	Qualification Effective
Environmental	12/04/2006

Alternate Names



LICENSEE DETAILS

License Information

Name	ADANDEDJAN, GHISLAIN (Primary Name)
Main Address	700 S 4TH ST UNIT 1710 MINNEAPOLIS Minnesota 55415
County	Out of State
License Location	2550 UNIVERSITY AVE W SUITE 260 S ST PAUL Minnesota 55114
County	Out of State

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	86459
Status	Current,Active
Licensure Date	01/11/2019
Expires	02/28/2027
Special Qualifications	Qualification Effective
Civil	06/28/2018

Alternate Names

Exhibit C



LICENSEE DETAILS

License Information

Name	BRANDT, NATHAN ALLEN (Primary Name)
Main Address	2317 S BRIGHTON DR SIOUX FALLS South Dakota 57106
County	Out of State

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	104514
Status	Current,Active
Licensure Date	06/23/2026
Expires	02/28/2027
Special Qualifications	Qualification Effective
Electrical & Computer	06/23/2026

Alternate Names



LICENSEE DETAILS

License Information

Name	PIPER, KEVIN MICHAEL (Primary Name)
Main Address	10275 CRYSTAL DR MORRISON Colorado 80465
County	Out of State

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	104559
Status	Current,Active
Licensure Date	07/07/2026
Expires	02/28/2027
Special Qualifications	Qualification Effective
Control Systems	07/07/2026

Alternate Names



LICENSEE DETAILS

License Information

Name	CUNNINGHAM, SCOTT LEWIS (Primary Name)
Main Address	25214 SABER OAKS DR RICHMOND Texas 77406
County	Out of State

License Information

License Type	Professional Engineer
Rank	Prof Engineer
License Number	101182
Status	Current,Active
Licensure Date	09/01/2020
Expires	02/28/2027
Special Qualifications	Qualification Effective
Civil	09/01/2020

Alternate Names



LICENSEE DETAILS

License Information

Name	LEWIS, EMILY MARIE (Primary Name)
Main Address	261 PLANTATION CLUB DRIVE UNIT 1509 MELBOURNE Florida 32940
County	Brevard

License Information

License Type	Engineering Intern
Rank	Eng Intern
License Number	1100028449
Status	Current
Licensure Date	12/02/2024
Expires	
Special Qualifications	Qualification Effective

Alternate Names



LICENSEE DETAILS

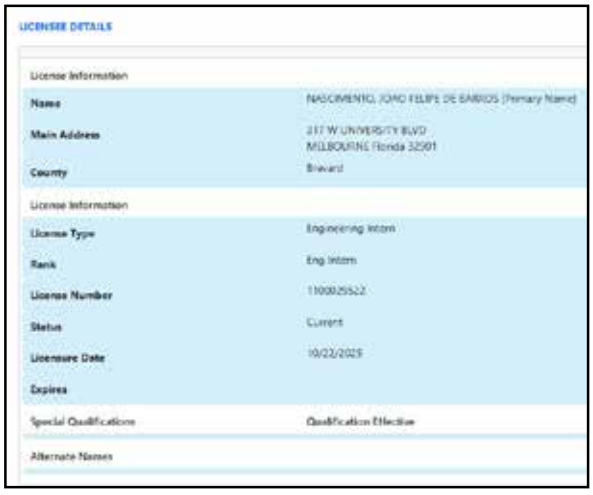
License Information

Name	RAMIREZ-VILLAMIL, NSAKO ANTHONY (Primary Name)
Main Address	9515 SALT MARSH CIRCLE WEST MELBOURNE Florida 32904
County	Brevard

License Information

License Type	Engineering Intern
Rank	Eng Intern
License Number	1100029607
Status	Current
Licensure Date	10/30/2025
Expires	
Special Qualifications	Qualification Effective

Alternate Names



LICENSEE DETAILS

License Information

Name	NASCIMENTO, JOAO FELIPE DE BARROS (Primary Name)
Main Address	217 W UNIVERSITY BLVD MELBOURNE Florida 32901
County	Brevard

License Information

License Type	Engineering Intern
Rank	Eng Intern
License Number	1100025522
Status	Current
Licensure Date	10/22/2025
Expires	
Special Qualifications	Qualification Effective

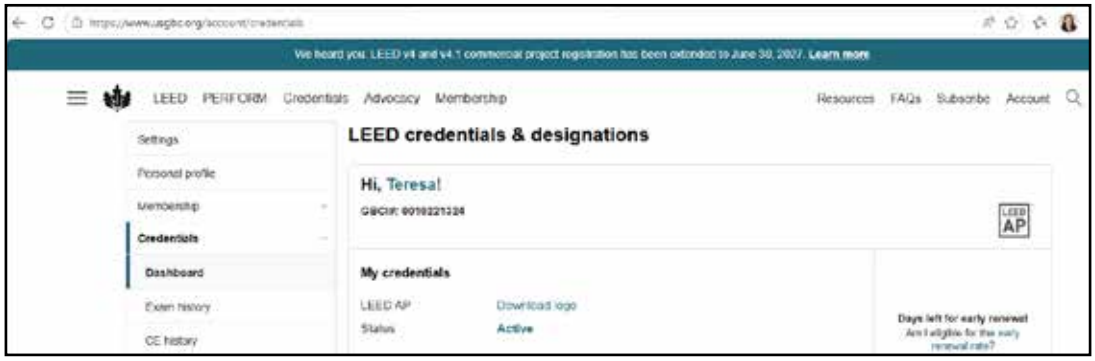
Alternate Names

MIKE R FISCHER
18406 GRISMER AVE, MARENGO, IL 60152 Email:mfischer@hrgreen.com

License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS7708	04/23/26	02/28/27	Active

LEED AP-Certified Personnel:

- Teresa Stadelmann, PE (HR Green)
- Gregory Tsark, AIA (Tsartk Architecture)
- Shad Traylor, AIA (Tsark Architecture) - *Digital copy of certificate not available.*





Subcontractor Licenses and Registrations - Atlantic Environmental Services - Environmental Services & Permitting



Society of Wetland Scientists
Professional Certification Program, Inc

Senior Professional Wetland Scientist

For

Jon H. Shepherd, MS

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel.
Professional Wetland Scientist Number 1408 issued on 7/14/2003 and recertified on 7/12/2025.
Due to recertify again by 7/14/2030.



Society of Wetland Scientists
Professional Certification Program, Inc

grants the designation

Senior Professional Wetland Scientist

For

David Purkerson

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Program, Inc. and verified by the Society's Certification Review Panel on 6/28/2007.
Professional Wetland Scientist number 1759. Due to recertify by 6/28/2027.

Nancy Lyn, SPWS
President

Robert D. Shannon, Ph.D., PWS
Review Panel Chair

Authorized Gopher Tortoise Agent

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
Division of Habitat and Species Conservation
Wildlife Diversity Conservation Section
620 South Meridian Street, Mail Station 2A
Tallahassee, Florida 32399-1600
(850) 921-1031

Permittee Name:	JON SHEPHERD	Permit Number:	GTA-09-00138**I**
Permittee Address:	Atlantic Environmental of Florida, LLC 657 Montreal Avenue MELBOURNE, FLORIDA 32935 UNITED STATES	Effective Date: Expiration Date:	**06/02/2025** **06/01/2029**

IS AUTHORIZED TO:

1. Conduct gopher tortoise surveys
2. Capture gopher tortoises using bucket traps
3. Capture gopher tortoises using hand shovel excavation of gopher tortoise burrows
4. Supervise backhoe excavation of gopher tortoise burrows to capture gopher tortoises
5. Burrow scope

Permittee Signature: Jon Shepherd Date: June 2, 2025

Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. **Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.**

Authorized By: Michael Kakalow Authorized for: Melissa Tucker, Division Director

Authorizing Signature: Date: 06/02/2025

Wildlife Diversity Conservation Section

Authorized Gopher Tortoise Agent

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
Division of Habitat and Species Conservation
Wildlife Diversity Conservation Section
620 South Meridian Street, Mail Station 2A
Tallahassee, Florida 32399-1600
(850) 921-1031

Permittee Name:	DAVID PURKERSON	Permit Number:	GTA-09-00139**I**
Permittee Address:	ATLANTIC ENVIRONMENTAL OF FLORIDA 657 Montreal Avenue MELBOURNE, FLORIDA 32935 UNITED STATES	Effective Date: Expiration Date:	**05/30/2025** **06/01/2029**

IS AUTHORIZED TO:

1. Conduct gopher tortoise surveys
2. Capture gopher tortoises using bucket traps
3. Capture gopher tortoises using hand shovel excavation of gopher tortoise burrows
4. Supervise backhoe excavation of gopher tortoise burrows to capture gopher tortoises
5. Burrow scope

Permittee Signature: _____ Date: 5/30/2025

Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. **Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.**

Authorized By: Michael Kakalow Authorized for: Melissa Tucker, Division Director

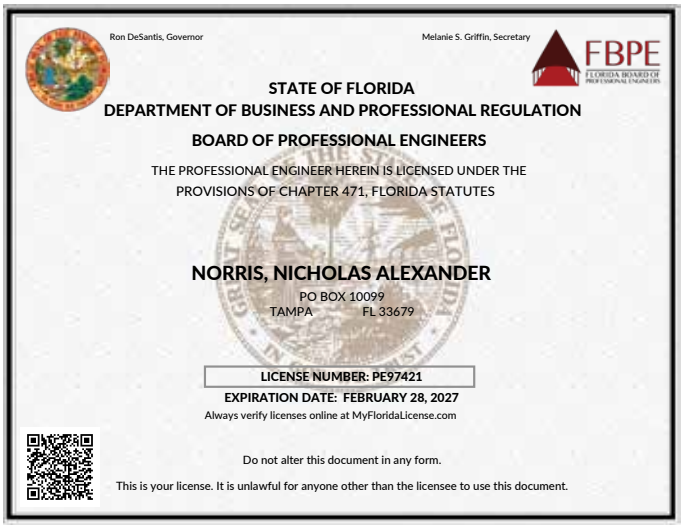
Authorizing Signature: _____ Date: 05/30/2025

Wildlife Diversity Conservation Section

Subcontractor Licenses and Registrations - Gahagan & Bryant Associates, Inc. (GBA) [+ S. T. Hudson Engineers Inc. (Hudson)]- Coastal Resiliency & Water Quality



Ron DeSantis, Governor
Melanie S. Griffin, Secretary
FBPE
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
BRYANT, CLAY M
4627 SUNSET BLVD.
TAMPA FL 336290000
LICENSE NUMBER: PE43882
EXPIRATION DATE: FEBRUARY 28, 2027
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Melanie S. Griffin, Secretary
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES
NORRIS, NICHOLAS ALEXANDER
PO BOX 10099
TAMPA FL 33679
LICENSE NUMBER: PE97421
EXPIRATION DATE: FEBRUARY 28, 2027
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FBPE
STATE OF FLORIDA
PE79441
ISSUED: 04/08/2026
PROFESSIONAL ENGINEER
CRITTENDEN, WILLIAM HEATH
Signature
LICENSED UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION DATE: FEBRUARY 28, 2027

Subcontractor Licenses and Registrations - Suzan Hall & Associates - Landscape Architecture



Ron DeSantis, Governor
Melanie S. Griffin, Secretary
dbpr
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
HALL, SUSAN CAROLE
SUSAN HALL LANDSCAPE ARCHITECTURE INC
244 MCLEOD STREET
MERRITT ISLAND FL 32953
LICENSE NUMBER: LA0000853
EXPIRATION DATE: NOVEMBER 30, 2027
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ISSUED: 10/21/2025
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Melanie S. Griffin, Secretary
dbpr
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES
MAGWIRE, MEGAN
2038 RUSSELL DRIVE
TITUSVILLE FL 32796
LICENSE NUMBER: LA2086
EXPIRATION DATE: NOVEMBER 30, 2027
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Subcontractor Licenses and Registrations - Kimley-Horn - Coastal Engineering





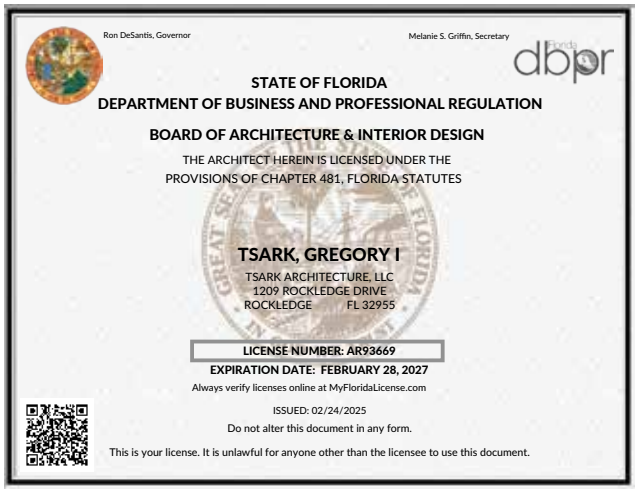
Subcontractor Licenses and Registrations - Terminus Surveying, LLC - Surveying, Mapping & Subsurface Utility Engineering



TERMINUS SURVEYING, LLC
2752 JASON ST, TAMPA, FL 33619-7850
Phone: 813-681-4481 Email:jdouglas@teamterminus.com

License Type	License#	Issued	Expires	Status
Surveyor Business	LB8207	08/17/17	02/28/27	Active
Surveyor of Record	LS3930	05/12/82	02/28/27	Active

Subcontractor Licenses and Registrations - Tsark Architecture - Architecture





Subcontractor Licenses and Registrations - WSW, Inc. - Electrical Engineering



Ron DeSantis, Governor
Melanie S. Griffin, Secretary
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

YOCUM, GARY A.
126 BOUGAINVILLEA DR
ROCKLEDGE FL 32955

LICENSE NUMBER: PE61594
EXPIRATION DATE: FEBRUARY 28, 2027
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Subcontractor Licenses and Registrations - Universal Engineering Sciences - Geotechnical Engineering



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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HOAGLIN, RICHARD EARL
1848 BARRINGTON CIRCLE
ROCKLEDGE FL 32955

LICENSE NUMBER: PE48796
EXPIRATION DATE: FEBRUARY 28, 2027
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Melanie S. Griffin, Secretary
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SMITH, ROBERT LEE
820 BREVARD AVENUE
ROCKLEDGE FL 32955

LICENSE NUMBER: PE78130
EXPIRATION DATE: FEBRUARY 28, 2027
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Ron DeSantis, Governor
Melanie S. Griffin, Secretary
Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
MOLD-RELATED SERVICES LICENSING PROGRAM

THE MOLD ASSESSOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 468, FLORIDA STATUTES

WEST, KATHRYN
1567 HENLEY RD NW
PALM BAY FL 32907

LICENSE NUMBER: MRSA5682
EXPIRATION DATE: JULY 31, 2026
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ISSUED: 02/11/2026
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Validation Certificate

MTC
MATERIALS TESTING CENTER

USACE CERTIFICATE OF LABORATORY VALIDATION

ERDC

UES Professional Solutions, LLC

820 Brevard Avenue
Rockledge, FL, United States
Richard Hoaglin
(321) 638-0808

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:
22 JUL 2025 AT 08:16 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 06/16/2027

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: https://mtc.erdc.dren.mil

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

AGGREGATE

Aggregate - C 29 - Unit Weight and Voids in Aggregate
Aggregate - D 75 - Sampling
Aggregate - CRD 104 - Fineness Modulus
Aggregate - C 117 - Material Finer than 75 µm (No. 200) Sieve
Aggregate - C 127 - Specific Gravity & Absorption in Coarse Aggregate
Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
Aggregate - C 131 - Los Angeles Abrasion Resistance on Small-Size Coarse Aggregate
Aggregate - C 136 - Sieve Analysis of Aggregates
Aggregate - C 535 - Los Angeles Abrasion Resistance on Large Size Coarse Aggregate
Aggregate - C 566 - Total Moisture Content
Aggregate - C 702 - Reducing Samples to Testing Size
Aggregate - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)

BITUMINOUS

Bituminous - D 2726 - Bulk Specific Gravity and Density
Bituminous - D 2950 - Density of Bituminous Concrete in Place by Nuclear Methods
Bituminous - D 3666 - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
Bituminous - D 5444 - Mechanical Size Analysis of Extracted Aggregate
Bituminous - D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method
Bituminous - D 6926 - Preparation of Bituminous Specimens using Marshall
Bituminous - D 6927 - Marshall Stability and Flow of Bituminous Mixtures

https://mtc.erdc.dren.mil/Print_Report.aspx?LID=603[7/22/2025 9:36:21 AM]

Validation Certificate

CONCRETE

Concrete - C 31 - Making and Curing Test Specimens in the Field
Concrete - C 39 - Compressive Strength of Cylindrical Specimens
Concrete - C 42 - Drilled Cores and Sawed Beams
Concrete - C 78 - Flexural Strength by Third Point Loading
Concrete - C 138 - Unit Weight and Air Content by Gravimetric
Concrete - C 143 - Slump
Concrete - C 172 - Sampling
Concrete - C 173 - Air Content by Volumetric ***required if C231 not performed***
Concrete - C 231 - Air Content by Pressure ***required if C173 not performed***
Concrete - C 470 - Molds for Forming Concrete Test Cylinders Vertically
Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
Concrete - C 617 - Capping Cylindrical Specimens
Concrete - C 1064 - Temperature of Concrete
Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Concrete - C 1231 - Unbonded Caps

MASONRY

Masonry - C 109 - Compressive Strength of Cement Mortars Using Cube Specimens
Masonry - C 140 - Sampling and Testing Concrete Masonry and Related Units
Masonry - C 1019 - Sampling and Testing Grout
Masonry - C 1093 - Masonry Testing Standard (Quality Standards)

SOILS

Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)
Soils - D 698 - Compaction Characteristics by Standard Effort
Soils - D 1140 - Material Finer than 75 m (No. 200) Sieve
Soils - D 1556 - Density & Unit Weight by Sand Cone
Soils - D 1557 - Compaction Characteristics by Modified Effort
Soils - D 1883 - CA Bearing Ratio (CBR)
Soils - D 2168 - Calibration of Laboratory Mechanical-Rammer Soil Compactors
Soils - D 2216 - Water Content
Soils - D 2487 - Classification of Soils
Soils - D 3740 - Soil and Rock Testing Standards (Quality Standard)
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method

Exhibit C

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Section 9. Required Form Submittals

Exhibit C

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Section 9. Required Form Submittals

Exhibit C

In compliance with the County RFQ instructions, please find the following information presented in this section:

- Acknowledgment of Addenda (as posted on www.indianharbourbeach.gov)
- Drug Free Workplace Certification
- E-Verify Certification
- Non-Collusion Certification
- Public Entity Crimes Statement
- Vendor Certification Regarding Discriminatory Vendor List and Scrutinized Companies List Affidavit and Attestation

Exhibit C

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City of Indian Harbour Beach

Acknowledgment of Addenda

The Vendor/Contractor acknowledges and agrees to the following:

The enclosed proposal is being submitted and is subject to the terms and conditions of the above-referenced Request for Proposals that was issued by the City of Indian Harbour Beach and acknowledges receipt of Addenda as provided on www.indianharbourbeach.gov.

HR Green, Inc.

Firm Name

Brian Stahl, PE

Name of Authorized Individual



Authorized Signature Date

City of Indian Harbour Beach

STATEMENT OF DRUG-FREE WORKPLACE

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids, proposals, responses or that are equal with respect to price, quality, and service are received by the State of Florida or by any of its political subdivisions for the procurement of commodities or contractual services, a bid, proposal or reply received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in section 1.
4. In the statement specified in section 1., notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employees will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893of the Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace, no later than five (5) days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by an employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this program.
7.

Select one or the other (not both) of the following certification statements. These statements are mutually exclusive.

☐ This firm **DOES NOT** comply with the above requirements for a drug-free workplace.

☑ As the person authorized to sign the statement, I certify that this Firm **DOES** fully comply with the above requirements.

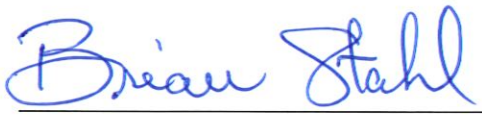
City of Indian Harbour Beach

HR Green, Inc.

Firm Name

Brian Stahl, PE

Name of Authorized Individual



Authorized Signature Date

City of Indian Harbour Beach

E-VERIFY CERTIFICATION

The Vendor/Contractor acknowledges and agrees to the following:

The Vendor/Contractor certifies, by submission of this Proposal or acceptance of this contract that the Vendor/Contractor:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Vendor/Contractor during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise use the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

Further information can be found at the following website: http://www.uscis.gov/e-verify.

HR Green, Inc.

_____

Firm Name

Brian Stahl, PE

_____

Name of Authorized Individual



_____

Authorized Signature Date

City of Indian Harbour Beach

she/they executed it.

NOTARY PUBLIC SEAL OF OFFICE



NOTARY PUBLIC, STATE OF Florida

Elena B. Arnvillaga Monteros de Jarrin

(Name of Notary Public: Print, stamp, or type as commissioned)

☒ Personally known to me, or ☐ Produced Id:_____ ☒ **DID** take an oath

☐ **DID NOT** take an oath

City of Indian Harbour Beach

NON-COLLUSION AFFIDAVIT

STATE OF Florida

COUNTY OF Brevard

I state that I, Brian Stahl, PE, of HR Green, Inc.

(Name and Title) (Name of Firm)

am authorized to make this affidavit on behalf of my firm and its owner, directors and officers. I am the person responsible in my firm for the price(s) and amount(s) of this Response, and the preparation of the Response. I state that:

1. The price(s) and amount(s) of this Response have been arrived at independently and without consultation, communication or agreement with any other Respondent, potential Respondent, Proposal, or potential Proposal.

2. Neither the price(s) nor the amount(s) of this Response, nor the approximate price(s) nor approximate amount(s) of this Response, have been disclosed to any other firm or person who is a Respondent, potential Respondent, Proposal, or potential Proposal, and they will not be disclosed before Proposal opening.

3. No attempt has been made or will be made to induce any firm or persons to refrain from submitting a Response for this contract, or to submit a price(s) higher than the prices in this Response, or to submit any intentionally high or noncompetitive price(s) or other form of complementary Response.

4. The Response of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive Response.

5. Neither my firm nor its affiliates, subsidiaries, officers, directors, partners, owners, representatives, employees or parties in interest are currently under investigation by any governmental agency and have not in the last three years been found liable for any act prohibited by state or federal law in any jurisdiction involving conspiracy or collusion with respect to the proposal or bid on any public contract, except as follows:

I state that I and the named firm understand and acknowledge that the above representations are material and important, and will be relied on by the City of Indian Harbour Beach, for which this Proposal is submitted. I understand, and my firm understands that any misstatement in this affidavit is, and shall be treated as, fraudulent concealment of the true facts relating to the submission of this Proposal.

Brian Stahl

Authorized Signature

On this 23 day of July, 2026, before me, the undersigned Notary Public of the State of Florida, personally appeared Brian Stahl

(State) Name of Individual(s) who appeared before the Notary)

whose name(s) in/are subscribed to the written instrument, and he/she/they acknowledge that he

City of Indian Harbour Beach

PUBLIC ENTITY CRIME AFFIDAVIT

STATE OF Florida

COUNTY OF Brevard

I state that I, Brian Stahl, PE, of HR Green, Inc.

(Name and Title) (Name of Firm)

am authorized to make this affidavit on behalf of my firm and its owner, directors and officers. I am the person responsible at my firm for the price(s) and amount(s) of this Proposal, and for its preparation.

Public Entity Crime Information

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity for a period of 36 months following the date of being placed on the convicted vendor list.

I state that I and the named firm have read and understand the contents of the Public Entity Crime Information and hereby submit our Proposal accordingly. I understand and my firm understands that any misstatement in this affidavit is, and shall be treated as, fraudulent concealment of the true facts relating to the submission of this Proposal.

Brian Stahl

Authorized Signature

On this 27 day of July, 2026, before me, the undersigned Notary Public of the State of Florida, personally appeared Brian Stahl

(State) Name of Individual(s) who appeared before the Notary)

whose name(s) in/are subscribed to the written instrument, and he/she/they acknowledge that he she/they executed it.

NOTARY PUBLIC SEAL OF OFFICE

NOTARY PUBLIC, STATE OF Florida

Elena B. Arriullaga Monteros de Jarrin

(Name of Notary Public: Print, stamp, or type as commissioned)

☒ Personally known to me, or ☐ Produced Id:_____ ☒ **DID** take an oath

☐ **DID NOT** take an oath

City of Indian Harbour Beach

VENDOR CERTIFICATION REGARDING DISCRIMINATORY VENDOR LIST AND SCRUTINIZED COMPANIES LIST AFFIDAVIT AND ATTESTATION

(pursuant to sections 286.101, 287.133, 287.134, 286.1346, 287.135, 287.1351, 287.137, 287.138,448.095, and 787.06, Florida Statutes)

BEFORE ME, the undersigned authority, who is duly authorized to administer oaths and take acknowledgments, personally appeared Brian Stahl, PE ("Affiant"), in Affiant's capacity as Regional Director of, HR Green, Inc., a _____ ("Vendor"), who, after first being duly sworn, under oath, did certify, depose, and say the following, and hereby makes all of the representations and warranties set forth hereinbelow, both individually and on behalf of Vendor:

1. Vendor desires to enter into, or has previously entered into, an agreement, purchase order, or other transaction (collectively the "Agreement") with City of Indian Harbour Beach, a political subdivision of the State of Florida (the "Authority").

2. Vendor is in compliance with all applicable disclosure requirements set forth in section 286.101, Florida Statutes, and has not been deemed ineligible for a grant or contract funded by a state agency pursuant to section 286.101(7), Florida Statutes.

3. Neither Vendor nor its suppliers, subcontractors or consultants to be utilized under the Agreement are on the "Suspended Vendor List," "Convicted Vendor List," "Discriminatory Vendor List" or "Antitrust Violator Vendor List" of the Florida Department of Management Services, and there is no pending or threatened action, proceeding or investigation, or any other legal or financial condition, that would in any way prohibit, restrain or diminish Vendor's ability to satisfy the obligations under the Agreement. Vendor is informed of the provisions of sections 287.133(2)(a), 287.134(2)(a) and 287.137(2)(a), Florida Statutes, that identify the impacts to Vendor's ability or its affiliates' ability to respond to the competitive solicitations of a public entity; to be awarded or perform work as a contractor, supplier, subcontractor or consultant under a contract with a public entity; or to transact business with a public entity if it, or its affiliates, are placed on the "Suspended Vendor List," "Convicted Vendor List," "Discriminatory Vendor List" or "Antitrust Violator Vendor List" of the Florida Department of Management Services. Vendor is further informed of the provisions of section 287.1351, Florida Statutes, that identify the impacts to Vendor's ability to enter into or renew a contract with an agency, as defined in section 287.012, Florida Statutes, if it is placed on the "Suspended Vendor List" of the Department of Management Services.

4. Regardless of the dollar value of the goods or services to be provided under the Agreement, in accordance with the requirements of section 287.135(5), Florida Statutes, Vendor is not participating in a boycott of Israel and is not on the State Board of Administration of Florida's "List of Scrutinized Companies that Boycott Israel."

5. If the goods or services to be provided under the Agreement are $1 million or more, in accordance with the requirements of section 287.135, Florida Statutes, (a) Vendor is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Terrorism Sectors List (collectively the "Scrutinized List of Prohibited Companies"), (b) Vendor does not have business operations in Cuba or Syria and (c) Vendor is not on the State Board of Administration of Florida's "Scrutinized List of Prohibited Companies."

6. Pursuant to section 287.138, Florida Statutes, (a) Vendor is not owned by a government of a foreign country of concern, (b) a government of a foreign country of concern does not have a controlling

City of Indian Harbour Beach

interest in Vendor, and (c) Vendor is not organized under the laws of, nor has its principal place of business in, a foreign country of concern. For the purposes hereof, "foreign country of concern" means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern. As used herein, "controlling interest" means possession of the power to direct or cause the direction of the management or policies of a company, whether through ownership of securities, by contract, or otherwise (and a person or entity that directly or indirectly has the right to vote 25 percent or more of the voting interests of the company or is entitled to 25 percent or more of its profits is presumed to possess a controlling interest). Vendor is not prohibited from entering into the Agreement pursuant to section 287.138, Florida Statutes.

10. Affiant is familiar with the nature of an oath and with the penalties as provided by the laws of the State of Florida for falsely swearing to statements made in an instrument of this nature, and Affiant acknowledges and understands that this Affidavit And Attestation is made to induce the Authority to enter into or continue the Agreement with Vendor, and the Authority will rely upon this Affidavit And Attestation to establish the truth and accuracy of all information, statements, representations and warranties set forth herein.

Under penalties of perjury, Affiant declares and certifies that Affiant has carefully read this entire Affidavit and Attestation and that all of the information, statements, representations, and warranties set forth herein are true, correct, and complete. Affiant further declares and certifies that Affiant has authority to sign this Affidavit and Attestation on behalf of Vendor and bind Vendor hereunder.

This Affidavit and Attestation is made with the full understanding of the law regarding liability for perjury or any misrepresentation herein.

MADE AND DATED this day of July 23, , 2026.

Brian Stahl, PE
_____, individually and as
(Authorized Representative)

Regional Director _____, of HR Green, Inc. _____
(Title/Position) (Company Name)

a Corporation _____
(Type of Business (i.e., LLC., Inc., etc.)

Brian Stahl _____
Authorized Signature

On this 23 day of July _____, 2026, before me, the undersigned Notary Public of the State of Florida _____, personally appeared Brian Stahl _____
(State) Name of Individual(s) who appeared before the Notary)

City of Indian Harbour Beach

whose name(s) in/are subscribed to the written instrument, and he/she/they acknowledge that he she/they executed it.

NOTARY PUBLIC SEAL OF OFFICE



NOTARY PUBLIC, STATE OF Florida

Elena B. Arnvillaga Montero de Jarrin

(Name of Notary Public: Print, stamp, or type as commissioned)

☒ Personally known to me, or ☐ Produced Id:_____ ☒ **DID** take an oath

☐ **DID NOT** take an oath

Exhibit C

HR Green® | Building Communities. Improving Lives.

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Resolution No. 26-08: Brevard County Hazard Mitigation Plan adoption (action item)

Cost: N/A

Attachments: Res. 26-08 Hazard Mitigation plan adoption
2025_HazardMitigationPlan_ExecutiveSummary
2025_Base_BrevardCountyHazardMitigationPlan

Staff Recommendation:

Consider approving Resolution No. 26-08 that will adopt the Brevard County 2025 Hazard Mitigation Plan, which supersedes the Brevard County 2020 Local Mitigation Strategy.

Background Information:

The City of Indian Harbour Beach is a participant in the Brevard County Local Mitigation Strategy group. For Brevard County and participating municipalities to remain eligible for FEMA funding, all members must adopt a revised Hazard Mitigation Plan every five years. The plan and an executive summary are attached.

Staff recommends that the City Council approve Resolution No. 26-08, adopting the 2025 Hazard Mitigation Plan.

RESOLUTION NO. 26-08

A RESOLUTION OF THE CITY OF INDIAN HARBOUR BEACH, BREVARD COUNTY, FLORIDA; ADOPTING THE 2025 UPDATE OF THE BREVARD COUNTY HAZARD MITIGATION PLAN;PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the incorporated areas of the City of Indian Harbour Beach are vulnerable to the human and economic costs of natural, technological, and societal disasters, and

WHEREAS, the City of Indian Harbour Beach recognizes the importance of reducing or eliminating these vulnerabilities for the overall good and welfare of the community, and

WHEREAS, the City of Indian Harbour Beach has been an active participant in the Brevard County Local Mitigation Strategy (LMS) Steering Committee, which has established a comprehensive, coordinated planning process to eliminate or decrease these vulnerabilities, and

WHEREAS, the City of Indian Harbour Beach's staff in the future may identify and justify a number of proposed projects and programs needed to mitigate the vulnerabilities of the City of Indian Harbour Beach to the impacts of future disasters, and

WHEREAS, other cities and Brevard County proposed projects and programs have been incorporated into the updated 2025 edition of the Brevard County Hazard Mitigation Plan (HMP) that has been prepared and issued for consideration and implementation by the communities of Brevard County; and

WHEREAS, the Brevard County 2025 HMP is in compliance with the local hazard mitigation requirements of Section 322 of the Disaster Mitigation Act of 2000 (DMA2K) as implemented in 44 C.F.R., Part 201; and

WHEREAS, approval and adoption of the HMP is necessary in order to maintain eligibility for future hazard mitigation project grant funding.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF INDIAN HARBOUR BEACH, BREVARD COUNTY, FLORIDA, that:

Section 1. The City of Indian Harbour Beach accepts and adopts the Brevard County 2025 Hazard Mitigation Plan (HMP) (attached as Exhibit A), superseding the Brevard County 2020 Local Mitigation Strategy.

Section 2. This Resolution shall take effect September 16, 2026.

PASSED AND ADOPTED BY THE CITY COUNCIL OF THE CITY OF INDIAN HARBOUR BEACH, BREVARD COUNTY, FLORIDA, ON THIS 15th DAY OF SEPTEMBER 2026.

X

Scott Nickle
Mayor

X

Nicole Gold
City Clerk



Brevard County Hazard Mitigation Plan

2025

What is Hazard Mitigation?

Hazard mitigation is any action that minimizes the risk of a hazard by reducing vulnerability and exposure. Risk is the relationship between probability, exposure, vulnerability and impacts. There are two types of hazard mitigation. Each type has a different approach to reducing risk. The table below describes the types of mitigation.

Types of Hazard Mitigation		
Type	**Description**	**Examples**
Structural	Physical modifications to infrastructure, buildings, or the environment to lessen hazard risk	Building seawalls Retrofitting buildings to resist damage from airborne objects Converting developed areas to greenspace
Non-structural	Methods other than construction that reduce the risk from hazards	Upgrading building codes Changing land use regulations Public education

Purpose

All of Brevard County completes hazard mitigation projects with the idea that spending money now will save money later. According to a 2019 National Institute of Building Sciences report, every dollar spent mitigating a hazard can save up to thirteen dollars in the recovery phase. These savings benefit the entire community. Households benefit by saving money on their insurance premiums and rebuilding costs. Local governments benefit from smaller shocks to their budget from the lower cost of recovery, and a faster return of services. The return of services helps the community benefit with a shorter time to a new normal.

The purpose of the Hazard Mitigation Plan is to be the framework through which mitigation activities are conducted in Brevard County. It establishes a structured, methodical approach to assessing risks, setting goals, and identifying solutions. Having the plan in place ensures that the County and its jurisdictions are prepared to act quickly when funding or resources become available. The data gathered about hazards, demographics, and vulnerability is shared with the community. The entire process provides an avenue for multijurisdictional coordination, allowing data to be shared, projects to be aligned, and capabilities to be strengthened across the entire County.

The Brevard County Local Mitigation Strategy has guided mitigation activities for the County and its jurisdictions for almost 30 years. It has long been the broad brush used to encourage communities reduce their risk through mitigation. The Local Mitigation Strategy has been renamed to the Brevard County Hazard Mitigation Plan to better encapsulate the whole mitigation concept in Brevard County. It captures the planning process, risk analysis, and strategy formulation that guide mitigation efforts in the county. The change also represents a return to Brevard's roots, as the original version of this document was a Hazard Mitigation Plan. By restoring that title, the County aligns with national terminology for the same planning mechanism, ensuring consistency with federal partners while clearly communicating the purpose of the plan.

Background

The Hazard Mitigation Plan spans more than two decades and reflects lessons learned from disasters. Each version of the plan represents the changing landscape of Brevard County and how it conducts mitigation. The plan was first written in 1998 and was influenced by the Florida Division of Emergency Management's Local Mitigation Strategy initiative. The Local Mitigation Strategy initiative led to the formation of Brevard Prepares, the first coordinated effort to formalize hazard mitigation planning. National initiatives and a growing recognition that proactive hazard mitigation was critical to reducing disaster losses continued to shape the plan.

In 2000, the Disaster Mitigation Act amended the Stafford Act, requiring jurisdictions seeking Federal Emergency Management Agency funding to adopt a Hazard Mitigation Plan. This legislation also established Hazard Mitigation Assistance (HMA) programs such as the Hazard Mitigation Grant Program (HMGP), the Flood Mitigation Assistance (FMA) program, and the Pre-Disaster Mitigation (PDM) program. In 2002, Brevard County adopted its first formal revision of the Hazard Mitigation Plan, which introduced the overarching goal of creating a "Disaster Resistant Community."

The 2004 hurricane season brought four storms to the State of Florida and a renewed interest in hazard mitigation in Brevard County. In this period, the County invested in Mitigation 20/20 software, which offered a templated approach but caused the plan to expand to almost 2,000 pages. The flooding brought by Tropical Storm Fay in 2008 galvanized a stronger commitment to flood mitigation across the county.

The modern plan period began in 2015, when the plan was updated and shortened to approximately 500 pages. This shorter version of the plan still maintained the intent of the original document but condensed and removed sections where possible. Hurricane Matthew in 2016 caused multiple Hazard Mitigation Grant Program applications from organizations throughout the county. Hurricane Irma impacted Brevard County in 2017 and resulted in an allocation of over $13 million for the Hazard Mitigation Grant Program. There were over 20 projects submitted to the Steering Committee for support to apply for the grant funding. In 2020, the COVID-19 pandemic complicated the plan update and forced flexibility for holding planning meetings. The 2025 update has continued the modernization of the Hazard Mitigation Plan by removing redundancies and increasing flexibility for a changing environment.

Hazard Mitigation Plan Resources

The Brevard County Hazard Mitigation Plan is supported by a wide range of plans, strategies, statutes, and technical resources. These materials provide the legal framework, policy guidance, and scientific data needed to ensure that mitigation planning is comprehensive, evidence-based, and aligned with state and federal standards.

Key statutory and regulatory references for the entire plan include:

- County and Municipal Codes of Ordinances
- Emergency Management Plans
- Florida State Statutes
- Land Development Regulations
- Local Comprehensive Plans
- The State of Florida Hazard Mitigation Plan

In addition to the above sources, the threat and hazard identification and risk assessment incorporates a variety of technical resources, datasets, and historical documents including:

- Brevard County Emergency Management Comprehensive Emergency Management Plan
- Brevard County Geographic Information Systems databases
- Previous versions of Brevard County's Local Mitigation Strategy
- Federal Emergency Management Agency's National Risk Index
- Florida Forestry Service wildfire risk data
- Jurisdictional planning documents such as Comprehensive Plans, Future Land Use Plans, and Capital Improvement Plans
- National Climatic Data Center archives
- National Oceanic and Atmospheric Administration datasets
- National Weather Service records and forecasting tools
- Sea Level Rise studies conducted by the City of Cape Canaveral and Brevard County

Threat and Hazard Identification and Risk Assessment

The risk assessment uses available data to provide a data-based approach for mitigation in Brevard County. The information in this assessment assists stakeholders to make their case for mitigation proposals. It is the central resource for the hazards and how their effects impact Brevard County.

Disasters and Brevard County

Since 1972, Brevard County has been designated in 45 Presidentially Declared Disasters. Since 2020, Brevard County has seen impacts from multiple hazards. Five incidents resulted in Presidentially Declared Disasters including one pandemic and four hurricanes.

For a full listing of historical weather events to hit Brevard County, including economic, agricultural and human impacts, view the National Climatic Data Center data at the following website: http://www.ncdc.noaa.gov/stormevents/

For a full listing of Presidential Disaster Declarations, visit the following website: http://www.fema.gov/presidential-disaster-declarations

Initial Threat and Hazard Identification

Brevard County is vulnerable to a wide range of threats and hazards. The Federal Emergency Management Agency requires an evaluation of a full range of hazards. This risk assessment evaluates natural, technological, and human-caused hazards that are reasonably likely to occur in Brevard County.

The following hazards have been evaluated and profiled:

Natural – hazards caused by weather, geologic, or environmental processes

- Tropical cyclones, including high winds and storm surge
- Flooding, including coastal and inland flooding
- Tornado
- Severe Thunderstorms
- Coastal Erosion
- Sea Level Rise
- Severe Winter Storms
- Extreme Heat
- Drought
- Wildfire
- Tsunami
- Space Weather and Geomagnetic Storms
- Disease Outbreak

Technological and Human-Caused – hazards caused accidentally, deliberately, or by the presence of human technologies

- Dam/Levee Failure
- HazMat Incident
- Radiological Release
- Communications Failure
- Terrorism
- Cyber Attack
- Transportation Accident
- Civil Disorder

Not Profiled

- Earthquakes – there is no fault near Brevard County
- Sinkholes – the topography and composition of the ground in the county is not conducive to sinkhole formation



Brevard County Hazard Mitigation Plan

2025

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Record of Changes

Date	Comments	Completed by
March 2025	5-Year Update - Draft	BC
April 2025	FDEM Feedback Revision	BC

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- Transportation Accident
- Civil Disorder

Not Profiled

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- Sinkholes – the topography and composition of the ground in the county is not conducive to sinkhole formation

Risk Assessment Methodology

To conduct the assessment, hazards were identified based on the county's overall risk to those hazards and previous versions of the plan. Then, the county's assets, including populations, property, and infrastructure, were accounted. The hazard's impacts were then assessed based on the vulnerabilities of those assets within the county. This resulted in the Hazard Profiles as outlined below.

Brevard County Profile

Brevard County runs approximately 72 miles in length from north to south and 22 miles wide east to west. The total land area is 1,556 sq. miles, with 1,015 sq. miles of land and 541 sq. miles of water. The County is bordered by Volusia County to the north, Seminole and Orange County to the northwest, Osceola County to the west, Indian River County to the south, and the Atlantic Ocean to the east. Brevard has a humid subtropical climate and only two primary seasons. The wet season that runs from May to late October, with the dry season from running from December to May. Brevard's large bodies of water have a tempering influence on the climate, reducing the temperature range, and contributing to high humidity. Hurricanes are defined within their own season, running from June through November. Brevard County has been significantly impacted by hurricanes in the past and bring their own unique risks due to the county's topography.

Brevard County's topography is dominated by four primary features; the St. John's River Valley, Indian River Lagoon, the barrier islands and the Atlantic Coastal Ridge. Approximately 60% of Brevard County lies within three primary flood-prone areas: the riverine floodplain of the St. Johns River and freshwater tributaries of the Indian River Lagoon system, the Indian River Lagoon, and the isolated areas which flood because of soil or hydrological conditions. These flood-prone areas provide much storage of flooding rainfall due to hurricanes and severe storms.

The St. Johns River Valley lies west of Interstate 95, is the longest river in Florida at 310 miles and one of the few rivers in North America that flows north. The St. Johns River basin is a critical resource as it supplies drinking water to surrounding areas through Lake Washington. To accommodate flooding rain, the St. Johns River Water Management District has constructed a semi-structural system of four water management areas, four marsh conservation areas and two marsh restoration areas covering approximately 166,500 acres in Indian River and Brevard counties. Under maximum storm conditions, the project is designed to hold 500,000 acre-feet of water — enough water to cover the 200,000-acre project with an average of 2.5 feet of water.

The Indian River is not simply a river, but an estuary and a lagoon. The 156-mile-long estuary is composed of three main bodies of water: the Banana River, the Indian River, and the Mosquito Lagoon. Saltwater and freshwater meet in the Lagoon and provide a habitat for the various species that require brackish water to thrive. The Indian River Lagoon is considered one of the most biologically diverse estuaries in North America. The United States Environmental Protection Agency designated the Indian River Lagoon an Estuary of National Significance. The Indian River is not tidal but is driven by the direction of the wind, and may flow north, south or remain stagnant. The Indian River is vulnerable to storm surge from hurricanes, as storms arriving from the east push surge up through the rivers and lagoons.

Brevard's barrier islands may be thought of as a river of sand, as the islands are continually shifting in response to variations in erosion rates, deposition, winds, ocean, and tidal currents. The islands perform an important function as their beaches and dunes protect the inland areas from the powerful forces of the Atlantic Ocean. Elevations range from sea level along the shore to 20 feet above sea level at the crest of the dune line; a few isolated spots on Merritt Island are as high as 33 feet above sea level. The Archie Carr National Wildlife Refuge on southern barrier islands is the most important sea turtle refuge

in North America. More Loggerhead turtles nest along the beaches of Brevard and Indian River Counties than anywhere else in the world. In addition, the Merritt Island National Wildlife Refuge is known internationally for its wildlife diversity.

The Atlantic Coastal Ridge is a geological feature of the entire length of inland Brevard County. It primarily centers on United States Highway 1 along the Indian River Lagoon. The outer perimeter of the Ridge helped form the Barrier Islands along the eastern coast of Brevard. The Atlantic Coastal Ridge has elevation ranges from 5 to 20 feet in its southernmost parts and varies from 1½ to 3 miles wide. It consists of parallel, elongated ridges and swales that run north to south over the length of the Brevard. The Atlantic Coastal Ridge provides shelter for animals living special habitats such as the scrub and hammock ecosystems. It also brings a large recreation benefit to Brevard County and its residents and visitors.

The Atlantic Continental Shelf sits immediately off of Brevard County's Atlantic Coast. Near Cape Canaveral, the shelf narrows and steepens as the Gulf Stream passes close to shore. Unlike Florida's wide and shallow Gulf Coast, the Atlantic Continental Shelf helps protect coastal areas from storm surge. This topography limits the overall inland reach of storm surge but allows larger waves to hit the coastline that contributes to recurring issues. These larger waves increase the potential for dune overwash and beach erosion during tropical cyclones and nor'easters.

Demographics

The 2023 US Census Community Survey estimates the population of Brevard County at 643,979 and is projected to continue to grow. As a coastal county, Brevard has a higher cost of living for residents. The cost of living continues to increase, as an example of residents who rent their homes, 54% are paying more than 30% of their income on housing and 1 in 4 residents paying over 50%. Brevard County's per capita income is $42,738. Over 76% of residents own their own homes with a median home value estimated at $355,455. In 2023, Brevard County had an estimated 303,990 total housing units. Most housing units are single family homes, 61,000 apartment units and 21,800 mobile/manufactured homes.

Special Populations

Brevard County has a variety of special populations that require additional considerations.

- **Access and Functional Needs**
  Brevard County boasts a healthy retirement population, with 25% of the residents being 65 years or older and of those, about a quarter of Brevard's senior residents live alone. Just over 16% of residents have disabilities, with 10.8% of total residents using specialized medical equipment
- **Low-Income Populations**
  An estimated 10.1% of Brevard County residents live below the poverty line. Of those 63,000 residents, 26% are under the age of 18, 53% are between 18 and 64, and the remaining 20% are over 65 years
- **"Snowbirds"**
  Each year, an unknown number of non-residents migrate to Brevard County for the winter months. Known as snowbirds, these temporary residents tend to be retired or remote workers from other states. While official numbers are difficult to pin down, thousands of seasonal travelers arrive in Brevard County each winter, providing a boost to the local economy

- **Non-English-Speaking Populations**
  English is spoken in approximately 88% of Brevard County's homes. Spanish is the second most used language at 8% of the population and the remaining 4% of the population speak English less than "very well"
- **Agriculture Populations**
  According to the 2022 United States Department of Agriculture Census, Brevard County has 584 farms accounting for 145,000 acres. Pastureland accounts for 88,404 acres and croplands account for 19,059, with the remaining acres mostly woodland. Top crops include sod, hay, and nursey stock crops. Brevard livestock consists of 23,000 cattle, over 3,000 chickens for eggs and over 1,000 goats, with smaller populations of chickens for meat, pigs, horses, sheep and turkeys
- **Incarcerated Populations**
  The Brevard County Jail Complex opened in 1986 with beds for 386 inmates. The Jail Complex consists of a Booking area, Housing areas, Infirmary, Kitchen, Laundry facility, Courtrooms, Visiting areas, Recreation areas, and office/support locations. In addition to the maximum and medium security main jail, there are four tent housing structures, an annex facility and a mental health/medical unit bringing the total rated capacity to 1,849 beds. Today, the Jail Complex routinely houses over 1,600 inmates
- **Persons Experiencing Homelessness**
  Each year, the Brevard Homeless Coalition conducts a Point-in-Time count to identify residents struggling with homelessness. The 2024 count found that residents experiencing homelessness increased to 1,071. Residents considered unsheltered homeless, individuals living on the streets, cars and outside, increased significantly to 779. Of the those identified as chronically homeless, 81% have lived in Brevard County for more than three years
- **Mass Migration**
  Due to Brevard County's location on Florida's central east coast, the county has a lower risk for large groups of migrants compared to the southern counties. Mass migration occurs infrequently in Brevard County

Critical Infrastructure

Brevard County's buildings, infrastructure, and critical facilities provide services for the entire population of the community. Critical facilities, such as hospitals, schools, and other infrastructure, are specific assets of the built environment that provide services that are essential for life, safety, and economic viability. They serve the public and maintain community lifelines that residents use every day. Critical infrastructure is vulnerable to the many hazards that occur within the county. Any interruption of those services would cause significant harm to the entire county and would pose a challenge to restore if impacted by a catastrophic incident.

Brevard County has identified over 2,000 critical facilities inside and outside of its borders that provide residents with critical services before, during, and after a disaster. These assets along with the residents, businesses, spaceport, and its environmental resources make Brevard unique. As required by Florida Administrative Rule 27P-22, the Hazard Mitigation Plan maintains a critical infrastructure list in the appendices. Due to the identification of vulnerabilities and exact locations of the infrastructure, the list is not publicly releasable, per Florida Statute §119.0725 (2024).

Hazard Profiles

Each profiled hazard will have the following information:

- **Description –** General information about the hazard
- **Extent –** How bad can the hazard get
- **Location –** Where it occurs and how impacts change through the planning area
- **Previous Occurrence –** How many times this has occurred in the county in the past five years and any significant occurrences
- **Probability –** How likely is this hazard to occur in the planning area in any given year. The probability is determined using past occurrences and how many times a year they occur. Climate change also affects the probability of natural hazards and is considered in the analysis
- **Impacts –** What are the impacts the county and its jurisdictions likely to see because of this hazard. Impacts can vary across the planning area for different hazards due to location, geography, and demographics
- **Vulnerability –** How susceptible is the planning area to the impacts from this hazard. Can or will this change due to development

Coastal Erosion

Coastal erosion is the gradual loss or displacement of land along coastlines due to natural forces such as waves, tides, currents, and wind, as well as human activities. It results in the retreat of shorelines, loss of beaches, and damage to coastal ecosystems and infrastructure. Factors like rising sea levels, frequent tropical cyclones, and human interventions (e.g., construction and dredging) can accelerate the process. Nor'easters during the fall and winter months can also increase coastal erosion rates as they impact wave height and frequency. The more intense wave action leads to increased sand loss and erosion of the beach.

Brevard County, with its long coastline, is susceptible to coastal erosion. Localized erosion can also occur away from the coastline along river and stream banks, canals and drainage ditches.

Extent

There is no single universal scale for rating the severity of coastal erosion, but various classification systems and methodologies are used to assess erosion intensity. Some commonly used approaches include:

- **Coastal Erosion Hazard Index** – Assesses erosion risk based on factors like shoreline change rates, wave action, storm impacts, and sea level rise
- **Shoreline Change Rate** – Measures how fast the coastline is retreating or advancing, often expressed in meters per year
- **Bruun Rule** – A theoretical model predicting shoreline retreat due to sea level rise
- United States Geological Survey Coastal Vulnerability Index – Rates the vulnerability of coastlines to erosion based on geological and physical factors such as wave height, slope, and tidal range
- **Florida Department of Environmental Protection** – Rates beaches as either Critically Eroded Beach or Non-Critically Eroded Beach. Critical erosion areas are segments of the shoreline where natural processes or human activity have caused or contributed to erosion and recession of the beach or dune system

The Florida Department of Environmental Protection has classified most of Brevard's beaches as critically eroded. This includes approximately 36.5 miles of coastline from Cape Canaveral to south of Melbourne Beach.

Location

In Brevard County, erosion events can occur on all coastal areas of the county, year-round. Jurisdictions susceptible to coastal erosion include beachfront areas like: Cape Canaveral, Cocoa Beach, Satellite Beach, Melbourne Beach, Indian Harbour Beach, Indialantic, and unincorporated Brevard (South Patrick Shores, Patrick Space Force Base, Canaveral National Seashore and the South Beaches); and Lagoon-front jurisdictions like: Titusville, Cocoa, Rockledge, Palm Shores, Melbourne, Malabar, Grant-Valkaria, and unincorporated Brevard (i.e. Scottsmoor, Mims, Merritt Island, Micco).

Previous Occurrence

The 2004 hurricane season caused significant beach erosion in Brevard County, prompting mitigation efforts to protect vulnerable coastal areas. In response, two dune maintenance projects were conducted in 2006 and 2007 in the Mid-Reach (Satellite Beach, Indian Harbour Beach, northern Indialantic) and South Beaches (South Melbourne Beach and southward) to repair damage from Hurricane Wilma and restore native vegetation. The 2005 Brevard County Shore Protection Project restored beaches from Cape Canaveral through Cocoa Beach and from Indialantic through Melbourne Beach using offshore

dredged sand. Additionally, the 2005 Emergency Dune Stabilization Project repaired dunes along the Mid-Reach and South Beaches.

Erosion Rates & Mitigation		
Area	**Pre-Mitigation Erosion Rate**	**Protection Efforts**
North Reach (Cape Canaveral–Cocoa Beach, 9.8 mi)	2.6 ft/year	Federal Shore Protection Project with Army Corps of Engineers
Mid-Reach (Satellite Beach–Indian Harbour Beach, 7.8 mi)	0.6 ft/year	Emergency Dune Stabilization Project
South Reach (Indialantic–Melbourne Beach, 3.8 mi)	1 ft/year	Federal Shore Protection Project
South Beaches (Spessard Holland Park–Sebastian Inlet, 13 mi)	1 ft/year (1972–2005)	Emergency Dune Stabilization Project

More recently, Hurricane Nicole in 2022 caused significant beach erosion as they impacted the county. Nicole was a subtropical area of low pressure expected to primarily threaten the beaches before intensifying into a hurricane. Nicole caused a lot of damage to barrier island communities from Sebastian Inlet up to Cape Canaveral. The county lost several feet of beach and many homes on the beachside of A1A were undermined to the point of being unsafe to occupy.

Every hurricane that impacted Brevard County between 2020 and the end of 2024 caused shoreline erosion for properties and infrastructure along the Indian River Lagoon. Historically, each of Brevard's maintained parks that have a shoreline on the lagoon suffer significant damage each time a storm impacts the area.

Probability

Due to natural coastal conditions, Brevard County's beaches are expected to continue eroding at similar rates, highlighting the ongoing need for shoreline protection and maintenance. Accounting for climate change, future erosion along the Brevard County coastline is highly likely, with events expected to occur every year.

Vulnerability and Impacts

A worst-case beach erosion event would result from impacts of storm surge from a hurricane or from nor'easters. Substantial loss of sand would undermine the foundations of beachfront buildings, including single family residences, condominiums, apartments, hotels, and commercial structures.

A 2025 property appraiser database search showed there are 10,014 parcels on the Atlantic Ocean in Brevard. Direct and indirect property losses could easily reach hundreds of millions of dollars. The beach front damage would also have prolonged economic impacts on the county's vital tourist industry. Infrastructure damage to roadways over the entirety of the barrier islands, the causeways, and Mather's Bridge would do considerable harm to the county and its residents. Utilities along the river and beaches including sewer, water, stormwater, and electric would also be damaged affecting recovery.

Natural processes move and shift the barrier island. Reports continue to show that coastal erosion will only increase as time progresses and will only worsen with climate change. Increasing development on the barrier islands, especially east of Highway A1A, is unlikely.

Disease Outbreak

A disease outbreak occurs when a contagious illness spreads rapidly within a population, exceeding normal levels of infection. Outbreaks can result from viruses, bacteria, or other pathogens and may be transmitted through person-to-person contact, contaminated food or water, vectors (such as mosquitoes), or airborne particles. Common examples include influenza, norovirus, COVID-19, and vector-borne diseases like West Nile virus.

Extent

The severity of a disease outbreak varies based on the pathogen, transmission rate, available medical response, and public health measures. Outbreaks can range from localized epidemics, where a disease spreads within a community or region, to global pandemics, where a disease spreads across multiple countries or continents, affecting large populations.

Location

Disease outbreaks can occur anywhere in the county, but densely populated urban areas, schools, nursing homes, and healthcare facilities are at higher risk due to close human contact. Rural areas may also be affected, particularly if access to healthcare is limited. Areas with standing water or poor sanitation are more vulnerable to vector-borne and waterborne illnesses. Impacts may vary based on population density, socioeconomic factors, and healthcare accessibility.

Previous Occurrence

In the past five years, the county has experienced multiple disease outbreaks, including seasonal flu surges, norovirus outbreaks in schools and nursing homes, and a rise in mosquito-borne illnesses such as West Nile virus. The COVID-19 pandemic was a significant occurrence, affecting all sectors of the county with high infection rates, hospitalizations, and prolonged disruptions to businesses and education.

Probability

The likelihood of a disease outbreak such as influenza and gastrointestinal viruses are an annual occurrence. A pandemic, such as COVID-19, has a one in a hundred-year probability.

Emerging diseases and new variants of existing pathogens increase the probability of future outbreaks. Climate change may contribute to higher risks by expanding the range of vector-borne diseases and altering transmission patterns. Public health measures, vaccination rates, and global travel patterns also influence the probability of outbreaks.

Vulnerability and Impacts

Disease outbreaks can have widespread health, economic, and social consequences. Epidemics, such as seasonal flu surges or foodborne illness outbreaks, typically have a more contained impact. Whereas pandemics, such as COVID-19, can lead to widespread illness, hospitalizations, and deaths. The county is likely to experience increased healthcare demand, workforce disruptions, school and business closures, and economic losses. Vulnerable populations, such as the elderly, immunocompromised individuals, and low-income communities, may face more severe health outcomes due to limited access to healthcare, chronic conditions, or crowded living conditions.

Future conditions could further influence the severity and frequency of disease outbreaks. Climate change may expand the range of vector-borne diseases by creating warmer, wetter conditions favorable to mosquitoes. Population growth could increase disease transmission rates due to higher density. Antibiotic resistance and vaccine hesitancy could also contribute to prolonged outbreaks and more severe impacts. The worst-case scenario includes overwhelmed healthcare facilities, labor shortages, school and business closures, and high mortality rates.

Drought

A drought is a prolonged period of dry weather that causes significant problems, such as crop damage and water shortages. The severity of a drought depends on how much moisture is lacking, how long it lasts, and how large the affected area is. There are four types of droughts:

- Meteorological drought – A lack of precipitation compared to normal levels
- Agricultural drought – When soil moisture is insufficient for crops
- Hydrological drought – When surface and groundwater supplies are below normal
- Socioeconomic drought – When water shortages impact people's daily lives

Brevard County has distinct dry and wet seasons. The dry season lasts from December through May, while the wet season runs from June through November. Droughts are more likely during the dry season and can increase the risk of wildfires.

Extent

Drought severity is measured using the US Drought Monitor Classification Scheme below:

U.S. Drought Monitor Classification Scheme		
Category	**Description**	**Possible Impacts**
D0	Abnormally Dry	Going into drought: short-term dryness slowing planting, growth of crops or pastures. Coming out of drought: some lingering water deficits; pastures or crops not fully recovered
D1	Moderate Drought	Some damage to crops, pastures; streams, reservoirs, or wells low, some water shortages developing or imminent; voluntary water-use restrictions requested
D2	Severe Drought	Crop or pasture losses likely; water shortages common; water restrictions imposed
D3	Extreme Drought	Major crop/pasture losses; widespread water shortages or restrictions
D4	Exceptional Drought	Exceptional and widespread crop/pasture losses; shortages of water in reservoirs, streams, and wells creating water emergencies

The Keetch-Byram Drought Index is also used to measure the intensity of a drought. It measures soil dryness on a scale ranging from 0, being maximum moisture, to 800, being the maximum drought that can be experienced in an area.

Location

All of Brevard County and its jurisdictions can be affected by drought conditions.

Previous Occurrence

The US Drought Monitor tracks and provides data about drought in the United States. The dry seasons from 2020 through 2025 saw Brevard County in at least D0 conditions for 72 weeks. Conditions peaked at D2 during the dry seasons of 2023 and 2024 with eight weeks of observed D2 conditions. Going back to 2000 Brevard County has experienced 314 weeks of at least D1 conditions. Brevard County last experienced D3 conditions in May 2017 and D4 conditions in 2001.

Probability

While climate change will increase the probability of a drought occurring in Brevard County, a level D3 drought is expected to occur at least once every 25 years.

Vulnerability and Impacts

Structures in Brevard County may not directly suffer from drought, but they are vulnerable to the consequences of drought, particularly through the increased risk of wildfires. As drought conditions worsen, the likelihood of fire outbreaks increases, posing a significant threat to property, infrastructure, and livelihoods.

Droughts affecting Brevard County can have serious consequences on agriculture, livestock, and water supplies. With 22% of Brevard County's land being used for agriculture, including cattle and horse farming, droughts that disrupt both the surficial and Floridan aquifers will also disrupt water access for these sectors. Additionally, droughts that impact other areas contributing to the Floridan Aquifer system can have cascading effects on water availability throughout the state, including Brevard County. The ongoing trend of urban sprawl and land use changes means more impervious surfaces, which can limit groundwater recharge and exacerbate water shortages.

Climate change can drive more frequent and intense droughts. This reduces available water supplies across the county. As the population grows, more people will rely on the same limited water resources, which will increase competition and strain. Higher demand combined with lower supply leads to rising water costs, making it harder for many households to afford basic needs. Low-income families, elderly residents, and those without reliable cooling face the greatest risks during water shortages.

Extreme Heat

Extreme heat is defined as temperatures that are approximately 10 degrees or more above the average high temperature for a region lasting for a prolonged period. Extreme heat occurs when a layer of high atmospheric pressure descends over an area and causes the air normally located high in our atmosphere to descend, compress, and increase in temperature leading to hazy and muggy air. These high-pressure systems can reside in an area for weeks as they are resistant to being moved by other weather systems and can inhibit wind and clouds, which normally mitigate the effect of the sun.

Methods of Measuring Extreme Heat		
Measurement	**Factors Considered**	**Purpose / Use**
Heat Index	Actual temperature and relative humidity	Estimates the "feels like" temperature; commonly used for public weather reporting
Wet Bulb Globe Temperature (WBGT)	Temperature, humidity, sun angle, cloud cover, wind	Provides a more detailed assessment of heat risk, especially for outdoor workers, athletes, and active populations

More information can be retrieved from the NWS Melbourne Weather Field Office.

Extent

The National Weather Service in Melbourne issues:

- A Heat Advisory
  - The heat index reaches 108° – 112°Fahrenheit
  - Temperatures are forecast to reach 98°Fahrenheit or above for two consecutive days
- An Extreme Heat Watch
  - During the first 48 hours when Heat Index values could reach 113°Fahrenheit or higher
- An Extreme Heat Warning (formerly an Excessive Heat Warning) if
  - Temperatures are expected to reach a heat index value of 113°Fahrenheit or higher

Location

All of Brevard County and its jurisdictions can experience this hazard.

Previous Occurrence

There was one Excessive Heat Warning in June of 2022 where the heat index reached 115° Fahrenheit in the Merritt Island National Wildlife Refuge.

Probability

Annually, Brevard County experiences hot weather that can cause harm. Extreme heat is likely to occur at least once in 25 years. As climate change progresses, this hazard will occur more often. Especially as global temperatures increase in the summer months. The accelerating frequency of heat advisories issued for Brevard County supports extreme heat as a growing threat.

Vulnerability and Impacts

Extreme heat has devastating impacts on vulnerable populations, including the elderly, children, those with medical conditions, and people experiencing homelessness. Heat waves, which can occur in summer as well as in late spring or early fall, may last for days or weeks. Extreme heat is a recurring issue in Brevard County, particularly in areas with large, paved surfaces. These heat islands absorb heat during the day and release it at night, keeping temperatures elevated. As the county continues to

develop, heat islands are likely to expand in areas experiencing the fastest growth, a trend that will be further exacerbated by rising temperatures due to climate change.

An increasing demand for electricity, particularly from air conditioning, will put additional stress on the power grid during extreme heat events. Higher energy use can lead to elevated electricity costs and power shortages or outages. These consequences will disproportionately affect vulnerable populations who may be unable to afford higher bills or lack access to reliable cooling, heightening health risks such as heat exhaustion, heat stroke, and other heat-related illnesses.

Flooding

Flooding is the covering or submerging of normally dry land with a large amount of water. Inland flooding is caused by heavy rainfall which can overwhelm rivers, canals, and drainage systems. Coastal flooding is primarily driven by storm surge, high tides, and wind action, affecting barrier islands and intercoastal shorelines.

Extent

Flooding is measured by inches or feet of inundation of water over a certain area for an extended amount of time. The best way to show how bad a flood could impact an area is by using its Federal Emergency Management Agency-designated flood zone. Brevard County has the following flood zones as designated by Federal Emergency Management Agency:

Special Flood Hazard Areas:

These areas have a 1% annual chance of flooding (100-year floodplain) and are subject to Federal Emergency Management Agency's floodplain management regulations.

- **Zone A** – High-risk areas where no detailed flood elevation studies have been conducted
- **Zone AE** – Areas with detailed flood studies that include Base Flood Elevations (BFE)
- **Zone AE Floodway –** The channel of a river or other watercourse
- **Zone AH** – Areas prone to shallow flooding (ponding) with depths between 1–3 feet
- **Zone AO** – Areas subject to sheet flow or shallow flooding (usually near sloping land)

Coastal High-Risk Zones:

These zones have additional risks due to storm surges and wave action.

- **Zone VE** – Coastal areas with a 1% annual chance of flooding, subject to wave action and storm surges with detailed flood studies and established Base Flood Elevations

Non-Special Flood Hazard Areas:

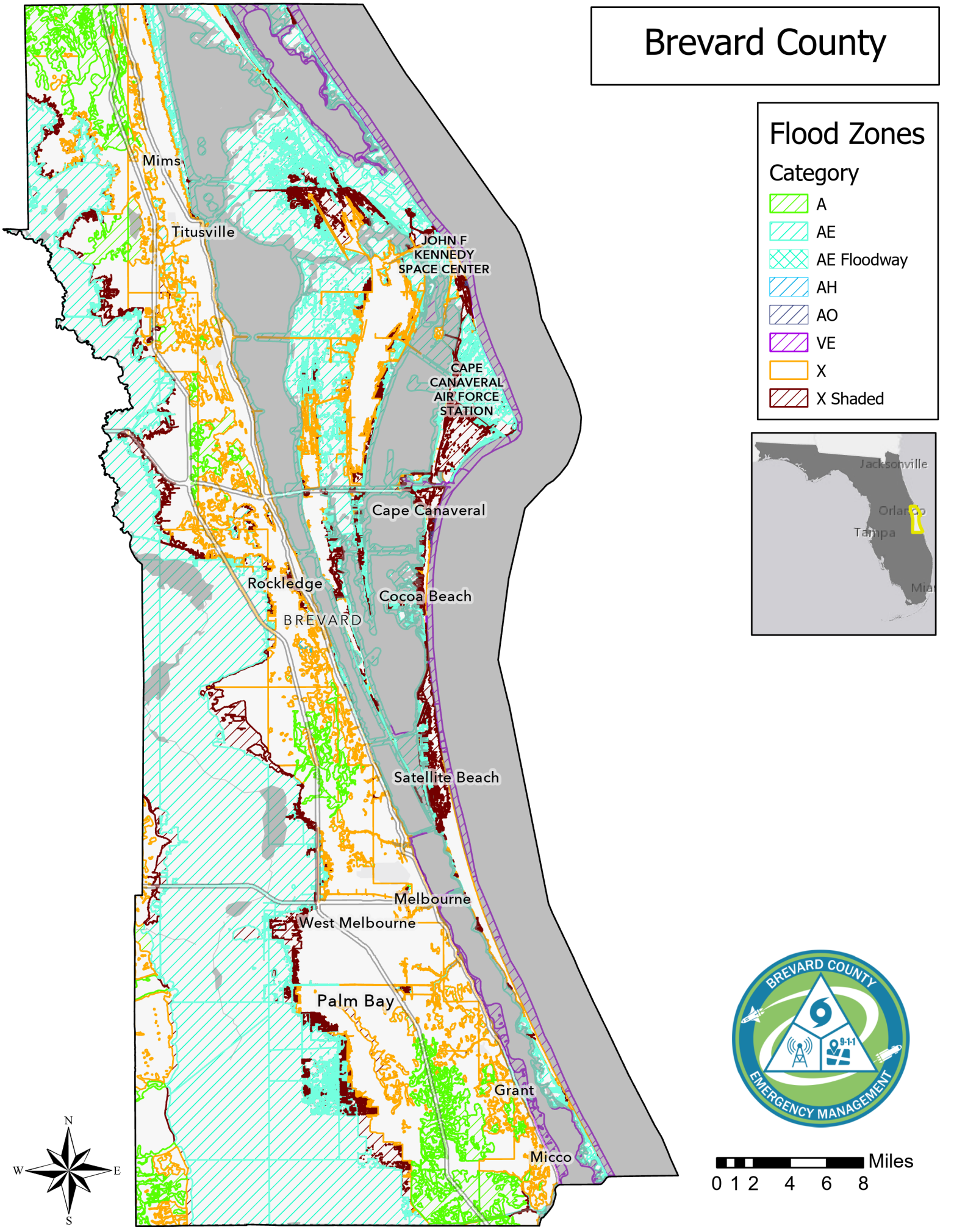
These areas are outside the 100-year floodplain but still have some flood risk.

- **Zone X (Shaded)** – Moderate risk areas with a 0.2% annual chance of flooding (500-year floodplain)
- **Zone X (Unshaded)** – Low-risk areas with minimal flood hazard

Location

Flooding can impact the entire county due to its topography. The barrier island and east of US Highway 1 can flood due to tidal and storm effects on the Atlantic Ocean, Indian River, Banana River, Mosquito Lagoon, Sykes Creek, and Newfound Harbor. Most of the land west of Interstate 95 makes up part of the St. John’s River Valley floodplain and is susceptible to flooding.

Brevard County Public Works maintains a web-hosted flood zone map. The below map shows the areas vulnerable to flooding and their designated flood zone.


Brevard County
Flood Zones
Category
A
AE
AE Floodway
AH
AO
VE
X
X Shaded
Mims
Titusville
JOHN F KENNEDY SPACE CENTER
CAPE CANAVERAL AIR FORCE STATION
Cape Canaveral
Rockledge
Cocoa Beach
BREVARD
Satellite Beach
Melbourne
West Melbourne
Palm Bay
Grant
Micco
Jacksonville
Orlando
Tampa
Miami
N
W
E
S
BREVARD COUNTY
EMERGENCY MANAGEMENT
9-1-1
Miles
0 1 2 4 6 8

Previous Occurrence

The county has experienced several severe weather events that have caused significant coastal and inland flooding.

Recent Flooding Incidents Since 2020			
Year	**Event**	**Rainfall**	**Impact**
2024	**Hurricane Milton**	6-8 in	Street and yard flooding, some water in buildings in south Brevard
2023	**November Heavy Rain**	10-14 in	Flooding, flash flooding, impassable roads, stalled vehicles in south Brevard
2023	**June Heavy Rain**	6-8 in	Flooding, flash flooding, impassable roads, stalled vehicles in south Brevard
2022	**Hurricane Ian**	10-15 in	Flooding, flash flooding, impassable roads, water entering homes in northern Brevard
2022	**September Storms**	4-6 in	Flooding, flash flooding, in northern Brevard
2021	**November Coastal Flooding**	N/A	Coastal flooding, minor to moderate beach erosion, water approaching roads
2020	**September Coastal Flooding**	N/A	Coastal flooding, minor to moderate beach erosion on the north beaches, moderate to severe beach erosion on the south beaches, several county-owned dune crossovers damaged

Historic Significant Flooding Incidents			
Year	**Event**	**Rainfall (in)**	**Impact**
2017	**Hurricane Irma**	10-14 in	Widespread flooding; water in at least 200 homes, a majority in Cocoa; St. Johns River reached Major Flood Stage at Astor.
2017	**Surface Boundary Storm**	6-11 in	Flooding, flash flooding, impassable roads, stalled vehicles, water entering homes in several areas
2016	**Tropical Storm Colin**	4-6 in	Roadway flooding, roadway closures, stranded vehicles in Palm Bay and Malabar
2012	**Hurricane Sandy**	N/A	Coastal flooding, beach erosion, damage to homes and crossovers on the barrier islands
2008	**Tropical Storm Fay**	20-36 in	Widespread flooding; water in homes especially in Lamplighter Village and west Cocoa
2005	**Hurricane Wilma**	10-13 in	200 homes flooded in Cocoa
1999	**Thunderstorms**	3-8 in	Flooded roadways, 49 homes received minor flooding

Probability

Brevard County can expect to see a flooding incident where water is in streets and yards annually. Flooding incidents where water enters homes have a probability of occurrence of once every two years.

Vulnerability and Impacts

Due to improvements in stormwater systems and other various mitigation actions, many of the recent flooding events have resulted in light to moderate impacts on infrastructure. Stormwater systems now move water more efficiently. New residential development and transportation designs ensure that most water remains on the roads or in yards. This has affected impacts on most structures in the county, especially homes and businesses. However, at a certain point, no stormwater system can handle the volume of rain that it needs to move. This will cause the system to be overrun until the rain stops and the drains can catchup with the runoff.

Climate change is expected to significantly affect inland flooding in Brevard County. More frequent and intense rainfall from extreme weather events will increase the likelihood of flash flooding and overwhelm stormwater systems. At the same time, if climate change drives longer periods of drought, soils will become drier and less capable of absorbing water when heavy rains occur. This reduced absorption leads to higher runoff volumes, placing additional strain on drainage infrastructure and increasing the potential for localized street flooding, property damage, and impacts to critical facilities. These combined factors mean that, regardless of whether the region experiences wetter or drier conditions, the overall risk of inland flooding will continue to rise.

Coastal flooding will also become a growing concern as sea levels rise due to climate change. Higher sea levels increase the likelihood of both tidal and storm-driven flooding, allowing the ocean to encroach farther inland. Structures immediately across the dune line face heightened risks. The west side of the barrier island has limited protection from sand dune protections and coastal flooding impacts could be even larger. Over time, rising seas will also increase the frequency of nuisance flooding during high tides and storm events, threatening homes, infrastructure, roadways, and utilities in low-lying coastal areas.

A worst-case flooding situation would probably result from prolonged, heavy rainfall that would cause river and stream flooding, as well as localized flooding where storm drainage capacities were inadequate for the storm event. Vulnerable populations are those in flood zones including isolated low-lying areas, flow ways for streams and creeks, seepage hill bases, wetlands, and coastal areas. Land development in the areas most susceptible to flooding, without corresponding mitigation actions, will increase the risks for the people who live there. Any structure located within a floodplain and/or in areas subject to poor drainage would be vulnerable to damage or disruption from flooding.

Some of these areas include:

- North Merritt Island between the Kennedy Space Center to the north and east, State Road 3 to the west, and Hall Road to the south
- Space Coast Gardens
- Melrose Manor and Shakespeare Park in the Cocoa area
- Silver Pines in the Rockledge area
- Lamplighter Village in south central Brevard
- Eau Gallie Road west of Interstate 95
- Harlock Road adjacent to and to the east of Interstate 95
- The upper basin of Turkey Creek
- Sebastian Creek
- Fellsmere Grade Road

- Little Hollywood and Deer Run in south Brevard

National Flood Insurance Program Participation

The National Flood Insurance Program allows property owners in the 100-year flood zone to acquire federal flood insurance policies. All 16 municipalities and the Canaveral Port Authority participate in the National Flood Insurance Program.

The table below describes the current jurisdictional participation in the National Flood Insurance Program.

Brevard County National Flood Insurance Program Statistics				
Community Name	**Policies in Force**	**Total Coverage**	**Total Written Premium plus Federal Policy Fee**	**Total Annual Payment**
Brevard County	20,492	$ 6,058,210,200	$ 13,546,913	$ 16,744,918
Cape Canaveral	3,002	$ 663,836,000	$ 1,480,559	$ 1,844,887
Canaveral Port Authority	33	$ 19,254,000	$ 135,080	$ 167,369
Cocoa Beach	6,376	$ 1,474,227,000	$ 3,504,948	$ 4,307,494
Cocoa	504	$ 141,551,000	$ 276,233	$ 347,216
Grant-Valkaria	612	$ 196,375,000	$ 425,221	$ 523,356
Indialantic	597	$ 180,271,000	$ 478,461	$ 591,278
Indian Harbour Beach	1,397	$ 413,683,000	$ 969,992	$ 1,200,479
Malabar	207	$ 68,691,000	$ 126,507	$ 158,333
Melbourne Beach	588	$ 181,908,000	$ 482,580	$ 593,657
Melbourne	3,153	$ 993,787,200	$ 2,153,886	$ 2,695,022
Melbourne Village	38	$ 12,416,000	$ 27,468	$ 34,165
Palm Bay	2,838	$ 885,594,000	$ 1,443,735	$ 1,810,773
Palm Shores	40	$ 13,104,000	$ 21,722	$ 26,970
Rockledge	883	$ 280,750,000	$ 552,958	$ 684,257
Satellite Beach	1,934	$ 578,111,000	$ 1,339,054	$ 1,638,791
Titusville	1,134	$ 343,021,000	$ 661,426	$ 823,724
West Melbourne	1,059	$ 352,918,000	$ 561,292	$ 696,960

Each jurisdiction participating in the National Flood Insurance Program complies with all current regulations including:

- Adopting the National Flood Insurance Program minimum floodplain management criteria via local regulation
- Adopting the latest effective Flood Insurance Rate Map, if applicable
- Implementing and enforcing the local floodplain management regulations to regulate and permit development in Special Flood Hazard Areas
- Appointing a designee or agency to implement the addressed commitments and requirements of the National Flood Insurance Program

The participating jurisdictions also have policies regarding the monitoring and implementation of substantial damage and substantial improvements. After an event, the county and other participating jurisdictions would follow their specific substantial damage policies. These policies can be found in Appendix F for Brevard County and the jurisdictions.

The following table shows what each jurisdiction has appointed as their floodplain administrator per ordinance.

Participating Jurisdiction	Designated Floodplain Administrator Title
Brevard County	Floodplain Administrator
Cape Canaveral	Building Official
Canaveral Port Authority	Chief Building Official
Cocoa	Floodplain Administrator
Cocoa Beach	Building Official / Development Services Director
Grant-Valkaria	Town Administrator
Indian Harbour Beach	Building Official / Public Works Director
Indialantic	Building Official
Malabar	Town Administrator or Designee
Melbourne	Building Official
Melbourne Beach	Town Building Official
Melbourne Village	Town Superintendent
Palm Bay	Floodplain Administrator
Palm Shores	Building Official
Rockledge	Building Official
Satellite Beach	Chief Building Official
Titusville	Community Development Engineer
West Melbourne	Building Official

Brevard County and many of its jurisdictions participate in the National Flood Insurance Program and the Community Rating System to assist homeowners and businesses with decisions about property vulnerability and flood insurance. Participation in the Community Rating System qualifies residents for reduced rates on flood insurance which vary depending on the activities the jurisdiction performs to reduce its flood risk. The below table summarizes Brevard County and jurisdictional participation in the Community Rating Season.

Brevard County Community Rating System Participation					
Community Name	**Participant**	**Original Effective Date**	**Current Effective Date**	**CRS Class**	**Discount**
Brevard County	Yes	10/01/1991	10/01/2024	8	10%
Cape Canaveral	Yes	10/01/1993	10/01/2019	8	10%
Cocoa Beach	Yes	05/01/2018	04/01/2025	9	5%
Cocoa	Yes	04/01/2023	04/01/2023	9	5%
Grant-Valkaria	No	N/A	N/A	N/A	N/A
Indialantic	No	N/A	N/A	N/A	N/A
Indian Harbour Beach	No	N/A	N/A	N/A	N/A
Malabar	No	N/A	N/A	N/A	N/A
Melbourne Beach	Yes	05/01/2016	05/01/2016	8	10%
Melbourne	Yes	10/01/1993	05/01/2019	8	10%
Melbourne Village	No	N/A	N/A	N/A	N/A
Palm Bay	Yes	10/01/1993	05/01/2019	7	15%
Palm Shores	No	N/A	N/A	N/A	N/A
Rockledge	Yes	10/01/1991	10/01/2021	9	5%
Satellite Beach	No	10/01/1992	10/01/2017	10	0%
Titusville	Yes	10/01/1992	05/01/2011	7	15%
West Melbourne	No	N/A	N/A	N/A	N/A

Brevard and each of its municipalities have adopted and continue to enforce floodplain management requirements in accordance with current National Flood Insurance Program standards including regulating new construction in Special Flood Hazard Areas by:

- Enforcing floodplain management ordinances which regulate new development and substantial improvements in the special flood hazard areas.
- Informing the community by news releases and open public meetings
- Providing community outreach
- Providing information via county public TV
- Maintaining elevation certificates on file for all new construction in the Special Flood Hazard Area or for substantial improvements to properties in the Special Flood Hazard Area
- Using best available flood map data for issuing construction permits
- Providing public education seminars
- Providing updated mapping to each municipality
- Maintaining public records and make them available for review.
- Engaging in community outreach
- Utilizing and retain news releases and county public TV broadcasts
- Maintaining records pertaining to Letters of Map Amendments and Letters of Map Revisions
- Providing information related to flood hazards, flood maps, and National Flood Insurance Program information to the public upon request.
- Continuing community outreach efforts for compliance with the Community Rating System
- Integrating new National Flood Insurance Program information and mapping into already existing strong community presentations.

- Continuing to promote flood insurance to property owners.
- Increasing and continue outreach presentations to community and homeowners' associations
- Continuing to update the public via
  - Community outreach
  - Internet
  - Social media
  - News releases
  - County public TV
- Continuing to identify/acquire land in the Special Flood Hazard Area open space/preservation.
- Promoting hazard flood mitigation to the public.
- Providing copies of the Hazard Mitigation Plan upon written request
- Integrating new flood awareness and mitigation information into outreach presentations
- Continuing drainage maintenance and drainage system improvement projects.
- Encouraging more drainage projects through-out the county in all Hazard Mitigation Plan meetings, especially nature-based solutions
- Continuing floodplain management activities and explore opportunities for possible Community Rating System class enhancement
- Adopting and enforcing floodplain management plans
- Providing continued education and best practices to all municipalities
- Providing a robust community assistance program
- Providing continued outreach, best practices to municipalities that are not part of the Community Rating System
- Documenting each municipality not a participant in the Community Rating System and continue providing them with best practices
- Ensuring that municipalities not participating in the Community Rating System are members of the Hazard Mitigation Plan working group, allowing them still to receive mitigation information
- Maintaining flood hazard publications in the libraries

Repetitive Loss and Severe Repetitive Loss Properties

A Repetitive Loss Property is defined by the National Flood Insurance Program as a property that is covered under a National Flood Insurance Program flood insurance policy and that has had two or more flood insurance claims of more than $1,000 paid within any 10-year period since 1978.

A Severe Repetitive Loss Property is defined as a residential property that is covered under a National Flood Insurance Program flood insurance policy and that:

- Has at least four National Flood Insurance Program claim payments (including building and contents) over $5,000 each and the cumulative amount of such claims payments exceeds $20,000

  or

- For which at least two separate claims payments (building payments only) have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building. At least two of the above referenced claims must have occurred within any 10-year period and must be greater than 10 days apart

The following tables show the number and type of repetitive loss and severe repetitive loss structures for all jurisdictions participating the National Flood Insurance Program.

Repetitive Loss Properties by Jurisdiction and Building Use					
Jurisdiction	**Single Family**	**Multi-Family, 2-4 units**	**Other Residential**	**Business, Non-Residential**	**Other Non-Residential**
Brevard County	65	2	2	1	1
Cape Canaveral	3	1	1	0	1
Cocoa Beach	6	0	0	0	2
Cocoa	8	0	0	0	0
Grant-Valkaria	6	2	0	0	0
Indialantic	17	0	0	0	0
Indian Harbour Beach	3	0	0	0	0
Malabar	5	0	0	0	0
Melbourne	17	0	0	0	1
Melbourne Beach	12	2	0	0	0
Melbourne	60	0	4	0	1
Palm Bay	16	0	0	0	0
Rockledge	3	0	0	0	0
Satellite Beach	12	0	1	0	0
Titusville	10	0	0	0	0
West Melbourne	12	0	0	0	0
Totals	**255**	**7**	**8**	**1**	**6**

Severe Repetitive Loss Properties by Jurisdiction and Building Use					
Jurisdiction	Single Family	Multi-Family, 2-4 units	Other Residential	Business, Non-Residential	Other Non-Residential
Brevard County	3	0	0	0	0
Cape Canaveral	0	0	0	0	0
Cocoa Beach	1	0	0	0	1
Cocoa	0	0	0	0	0
Grant-Valkaria	1	0	0	0	0
Indialantic	1	0	0	0	0
Indian Harbour Beach	0	0	0	0	0
Malabar	0	0	0	0	0
Melbourne	1	0	0	0	0
Melbourne Beach	0	0	0	0	0
Melbourne	4	0	1	0	1
Palm Bay	3	0	0	0	0
Rockledge	0	0	0	0	0
Satellite Beach	0	0	0	0	0
Titusville	0	0	0	0	0
West Melbourne	0	0	0	0	0
Totals	**14**	**0**	**1**	**0**	**2**

Sea Level Rise

Sea level rise is the long-term increase in the average level of the world's oceans due to factors such as melting glaciers and ice sheets, thermal expansion of seawater as it warms, and changes in land water storage. It is primarily driven by climate change and poses risks such as coastal erosion, flooding, and habitat loss for coastal communities and ecosystems. The evidence is clear that a trend is occurring, and sea levels have been rising for the better part of the 20th century and into the 21st century.

Extent

There is no universal scale for measuring sea level rise, but the Global Mean Sea Level (GMSL) is commonly used. It measures the average global sea level relative to a reference point over time, often reported in millimeters or centimeters. This metric combines data from tide gauges and satellite altimetry. Due to the nature of the hazard, the onset of Sea Level Rise is slow, about .23 inches per year.

Location

Brevard County and all its jurisdictions will see effects from sea level rise. Areas closest to the lagoon and Atlantic Ocean would be the most vulnerable to sea level rise. The City of Satellite Beach's 2019 study identified the west side of the barrier island, including the Banana River, Grand Canal, and its finger canals, as particularly at risk, with future impacts expected to reach areas around South Patrick Drive. Similarly, the City of Cape Canaveral's Sea Level Rise study, conducted in 2017, also highlighted vulnerable areas, particularly around the Port and beachfront properties. This study indicated that by 2100, certain regions of Cape Canaveral could experience inundation, significantly affecting infrastructure and local ecosystems.

Previous Occurrence

Due to the nature of the hazard, the onset of Sea Level Rise is slow. It is difficult to pinpoint exact occurrences of this hazard.

Probability

Future sea level rise in Brevard County is considered likely, with an occurrence estimated at a 500-year or less interval. However, the slow pace and long timeframe make it challenging to predict an exact probability.

Vulnerability and Impacts

The greatest impacts of sea level rise include storm surge and coastal flooding. Additionally, changes in sea level rise and climate patterns can affect atmospheric and hydrological conditions, influencing other hazards like inland flooding, drought, and wildfires. Approximately 18,998 properties along the Indian River Lagoon and 10,014 oceanfront parcels are vulnerable to these changes, especially those within 100-200 feet of the high-water mark.

In 2018, the Brevard County Transportation Planning Organization received a Sea Level Rise Vulnerability Assessment from the East Central Florida Regional Planning Council. This assessment analyzed the impact of sea level rise on transportation infrastructure such as roads, railroads, and airports. By 2100, up to 12.2% of the county may be impacted, with a 318% increase in inundated areas expected between 2040 and 2070. Vulnerable areas include the Merritt Island National Wildlife Refuge, NASA/Kennedy Space Center, and Port Canaveral.

The worst-case scenario for Brevard County would involve sea level rise reaching the higher end of projections, causing damage like coastal erosion, saltwater intrusion, and widespread flooding. The hardest-hit areas would include both sides of the barrier islands including low-lying parts of Merritt Island and properties closest to the lagoon or the ocean.

Severe Thunderstorms

Severe thunderstorms are meteorological phenomena that develop when warm, moist air rises rapidly into cooler atmospheric layers, creating instability. These storms are characterized by strong winds, heavy rainfall, lightning, and sometimes hail or tornados. They play a crucial role in Earth's climate system by redistributing heat and moisture, though they can produce localized impacts such as flooding and wind damage.

Extent

Thunderstorms are classified as severe if they cause any one or more of the following:

- Hail 1-inch or greater
- Winds gusting more than 58 mph
- A tornado

Location

The entire county and its jurisdictions are at risk from severe thunderstorms and their effects.

Previous Occurrence

The National Climactic Data Center has data for many significant storms between 2020 and the end of 2024.

During the planning period there were:

- 39 thunderstorms with winds greater than 58 mph
- 19 that caused hail 1-inch or larger
- 7 that caused a tornado

This does not represent every thunderstorm the county and its jurisdictions experienced in that period. The National Climactic Data Center data is based on reports sent to the National Weather Service by trained spotters, emergency managers, other meteorologists, and the public.

Probability

In Brevard County, where thunderstorms are frequent, an average of 70-80 thunderstorm days occur each year. Severe thunderstorms have a greater than once annually probability of occurrence. In the last five years, almost 40 storms were classified as severe. As climate change progresses, the frequency and severity of these storms will also increase.

Vulnerability and Impacts

Severe thunderstorms can cause damage to structures, disruption of utilities (mainly electrical), and surface/air transportation problems. While all populations can be impacted by thunderstorms, individuals at outdoor recreational events, living in mobile and manufactured homes, and experiencing homelessness are at the highest risk. Changes in land use, development, and population could affect vulnerability throughout the county.

The worst-case scenario for a severe thunderstorm in Brevard County involves a large frontal system that produces numerous storms as it moves across the area. Outdoor lightning strikes could cause injuries or fatalities, though not on a large scale. Structures without lightning protection are vulnerable, especially tall buildings, communication towers, and exposed locations near water. Structures hit by lightning could experience varying degrees of damage, from minor impacts to total loss if fires occur. Strikes to vegetated areas could also trigger wildfires, potentially damaging property and prompting evacuations. Hail, high winds, and possible tornados would cause further structural damage where the strongest cells set up, especially where the front meets the sea breeze.

Severe Winter Storms

A severe winter storm is defined as a hazardous weather event involving extreme cold temperatures, freezing rain, sleet, and/or strong winds that pose significant threats to public safety, infrastructure, transportation systems, and local economies. These storms can result in hazardous travel conditions, utility disruptions, increased risk of accidents, damage to buildings and critical infrastructure, agricultural losses, and heightened health risks, particularly for vulnerable populations.

Extent

Winter storms are often assessed based on various factors, including temperature, snow accumulation, wind speeds, and the impact on infrastructure, transportation, and public safety.

National Weather Service Cold Weather Products	
Product	**Description**
Extreme Cold Watch	Issued when extremely dangerous cold conditions or wind chill values are expected or occurring
Extreme Cold Warning	issued when extremely dangerous cold conditions or wind chill values are possible, but the occurrence, location, and/or timing is still uncertain

Location

All of Brevard County and its jurisdictions could experience impacts from a severe winter storm.

Previous Occurrence

There have been no instances of a severe winter storm since 2010. December 25, 2022, did have observed sleet in a couple locations, but no damages were recorded.

Probability

The probability of a severe winter storm in Brevard County is less than once in a 500-year period. The probability of this hazard will likely continue to decrease as climate change progresses. While severe winter storms are rare in Brevard County due to its subtropical climate, historical events have demonstrated that even brief periods of freezing temperatures and ice accumulation can cause substantial impacts.

Vulnerability and Impacts

The locations most vulnerable to severe winter weather in Brevard County would be agricultural lands. According to the United States Department of Agriculture, Brevard County is home to over 145,000 acres of farmland. Of that, over 19,000 acres are cropland. Most of the agricultural land in on the mainland west of Interstate 95. If temperatures reach freezing levels for extended periods of time, crop or landscape damage may occur. Business closures and significant damages to the county's agricultural industries would result in substantial economic damages.

Additionally, consumer demand of electricity during periods of extreme cold weather may require the electric utility to take actions to prevent damage to power infrastructure. This scenario occurred in Texas in 2021 when an extended bout of cold forced the power utility to enact rolling black outs and brown outs to preserve its infrastructure. People experiencing homelessness are particularly vulnerable to severe winter weather. As the county grows, these effects could impact more people and developed areas.

Space Weather and Geomagnetic Storms

Space weather refers to the conditions in space driven by solar activity, which can influence technologies, infrastructure, and communications on Earth. Coronal mass ejections are massive eruptions of plasma, radiation, and other particles from the Sun's atmosphere that travel through space. The ejection's speed, composition, and trajectory all impact the potential severity of space weather. While the Earth's magnetic field provides significant protection from most solar events, strong coronal mass ejections can still disrupt the magnetosphere. This disturbance can cause geomagnetic storms. These storms cause auroras, in the most severe cases, impacts to communications, navigation, and power infrastructure.

Extent

Space Weather Intensity Scales			
Level	**G-Scale Rating**	**Kp Index Range**	**Effects on Earth**
Minor	G1	Kp = 5	Weak power grid fluctuations, minor impact on satellite operations, auroras visible at high latitudes (e.g., northern U.S.)
Moderate	G2	Kp = 6	Possible power grid voltage alarms, some satellite orientation issues, auroras visible at mid-latitudes (e.g., northern U.S. states)
Strong	G3	Kp = 7	Some power grid irregularities, intermittent satellite navigation and radio issues, auroras visible in lower latitudes (e.g., central U.S.)
Severe	G4	Kp = 8	Widespread voltage control issues in power systems, satellite disruptions, GPS degradation, auroras visible in southern U.S. states
Extreme	G5	Kp = 9	Power grid failures, major satellite and communication blackouts, auroras visible near the equator

Location

Brevard County and its jurisdictions would observe similar impacts and are at equal risk of space weather.

Previous Occurrence

Space weather occurs frequently but the impacts are seldom felt on Earth. This hazard has not impacted Brevard County between 2020 and 2024.

Probability

This hazard has a probability of occurrence of greater than once in 500 years.

Vulnerability and Impacts

Any system dependent electromagnetism would see impacts from a geomagnetic storm. Impacts include malfunction or permanent damage to power distribution grids, navigation systems, and telecommunication systems. Populations and critical infrastructure largely at risk for this hazard. A severe geomagnetic storm could take years to recover.

For more information on space weather, visit the Florida Division of Emergency Management's website: http://www.floridadisaster.org/EMTOOLS/spacewx/index.htm

Tornado

A tornado is a violently rotating column of air, descending from a cumuliform cloud or underneath a cumuliform cloud, and often, but not always, is visible as a funnel cloud. Tornados also form on the leading edge of hurricanes and have the potential to cause more destruction.

Extent

Tornado intensity is measured by how much it damages or destroys while on the ground. Due to the characteristics of tornados, measuring their strength in real time is near impossible. After a tornado impacts an area, the local National Weather Service office must survey and categorize the damage. The levels of damage help meteorologists estimate windspeeds. After the storm survey, meteorologists rate the tornado on the Enhanced Fujita Scale, found below:

EF-Scale:	Typical Damage:
EF-5 (>200 mph winds)	Incredible. Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly more than 100 m; trees debarked; incredible phenomena will occur.
EF-4 (166-200 mph winds)	Devastating. Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown, and large missiles generated.
EF-3 (136-165 mph winds)	Severe. Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown.
EF-2 (111-135 mph winds)	Strong. Roofs torn off frame houses; mobile homes demolished; boxcars overturned; large trees snapped or uprooted; light-object missiles generated; cars lifted off ground.
EF-1 (86-110 mph winds)	Weak. Moderate damage. Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos blown off roads.
EF-0 (65-85 mph winds)	Gale. Some damage to chimneys; branches broken off trees; shallow-rooted trees pushed over; sign boards damaged.
Source: National Weather Service, Fujita Tornado Damage Scale	

Location

All of Brevard County and its jurisdictions can see impacts from tornados. Unincorporated Brevard County has a statistically larger risk of occurrence due to the amount of land area.

Previous Occurrence

Brevard County and Florida have a lot of experience with tornados. Florida consistently has a similar or greater number of tornados than any of the Tornado Alley states out west. Brevard County is in the top five counties in the state for number of tornado occurrences. The worst tornado experienced to date within the boundaries of Brevard County was an F-4 tornado in 1966. The following tables summarize the previous occurrences of tornados in Brevard County.

Recent Tornado Incidents Since 2020			
Date	**Rating**	**Location**	**Details**
2024	EF-1	Cocoa Beach – Merritt Island	Caused by Hurricane Milton; damaged roofs of homes and businesses including a bank
2024	EF-0	Melbourne	Light home damage; downed power poles; uprooted trees; damaged hangars at Melbourne Airport
2023	EF-1	South Patrick Shores	35 homes with minor to major damage; trees uprooted; downed power poles
2023	EF-0	Micco	25 to 30 homes with at least minor damage; roof and carport damage; tree damage; damaged boats in a marina
2022	EF-0	East Brevard, along United States Highway 192	Caused by Hurricane Ian; no structure damage; damaged trees
2021	EF-0	North Merritt Island	No structure damage due to tornado; damaged trees
2020	EF-0	Central Merritt Island	Short track tornado; damaged a porch and moved it to the front yard; minor shingle damage

Historic Significant Tornado Incidents			
Year	**Rating**	**Location**	**Details**
2017	EF-0 to EF-2	Brevard County, FL	8 of 10 tornados in the East Central Florida National Weather Service Forecast Office's area during Hurricane Irma; damage varied.
2014	EF-0	Titusville, FL	Roof damage to 3 homes, tree and fence damage.
2013	EF-0	Cocoa, FL	Minor roof, power line, and tree damage; became waterspout in Indian River.
2013	EF-0	Viera/Rockledge, FL	Roof, window, and pool screen damage in Charolais Estates & Colfax Landing.
2012	Unrated	North Okeechobee to Brevard County	Associated with Tropical Storm Debby; observed but little damage.
2010	EF-0	Brevard County, FL	Minor damage, power lines severed.
2010	EF-0	Brevard County, FL	Minor damage to commercial/residential areas.
2008	EF-1	Brevard County, FL	Related to Tropical Storm Fay; 2 injuries, 52 homes damaged.
1966	F-4	Largo to Merritt Island, FL	One of only two F-4 tornados in Florida; 11 deaths, extensive damage.
1966	F-3	Near Sunshine Skyway Bridge, FL to Cocoa Beach, FL	Paralleled F-4 path; $50–100K in damages; 140 injuries, mostly in Brevard.

Probability

Tornados have a once per year probability of occurrence. Due to the many conditions that determine the strength and track of a tornado, it is impossible to predict areas that may receive more tornados or the intensity of any tornado that touches down.

Vulnerability and Impacts

Tornado impacts are usually confined to the tornado's track, but damage within that area can vary greatly depending on multiple factors. People living in older homes, mobile or manufactured housing, or experiencing homelessness face greater risks because these structures often lack modern wind protections. Climate change may increase the frequency and intensity of severe weather, including tornados. As the county's population grows and development expands, the population's exposure will increase. The mitigating factors are newer homes built to better standards and the limited area impacted by a tornado.

A worst-case scenario for Brevard County would involve multiple tornados moving across areas with high concentrations of mobile and manufactured homes. Barefoot Bay, which contains one of the county's largest clusters of these homes and a significant population over age 55, would be particularly vulnerable. Older and mobile/manufactured homes are especially susceptible to severe damage or destruction from tornado-strength winds. Widespread structural losses in Barefoot Bay could displace a large portion of its residents, strain shelters, and overwhelm emergency response resources. Power outages, blocked roadways, and disruptions to critical services such as medical care and communications would further complicate recovery efforts, particularly for older adults and individuals with mobility or health challenges.

Tropical Cyclones

National Oceanic and Atmospheric Administration defines tropical cyclones as warm-core low pressure systems, without any front attached, that develop over the tropical or subtropical waters and have an organized circulation. Tropical cyclones bring multiple hazards that can stretch over 100 miles from the center of the storm. A direct hit is not necessary to feel the effects from a storm. Multiple hurricanes have impacted the county during the 2020 – 2025 planning period.

Tropical cyclones describe a wide variety of weather phenomena in the tropical and sub-tropical waters of the Atlantic and the Pacific Oceans. The following are some types of tropical cyclones that form:

- **Subtropical Cyclone** – A non-frontal low-pressure system that has characteristics of both tropical and extratropical cyclones. Subtropical cyclones originate over tropical or subtropical waters and have a closed circulation about a well-defined center. In comparison to tropical cyclones, the maximum winds occur relatively far from the center (greater than 60 nautical miles) and have a less symmetric wind field and distribution of convection
- **Potential Tropical Cyclone** – A term used in National Weather Service advisory products to describe a disturbance that is not yet a tropical cyclone, but which poses the threat of bringing tropical storm or hurricane conditions to land areas within 72 hours
- **Tropical Depression** – A tropical cyclone that has maximum sustained surface winds (one-minute average) of 38 mph (33 knots) or less
- **Tropical Storm** – A tropical cyclone that has maximum sustained surface winds ranging from 39-73 mph (34 to 63 knots)
- **Hurricane** – A hurricane is a tropical cyclone that has maximum sustained surface winds of 74 mph or greater (64 knots or greater)
- **Major Hurricane** – A hurricane that is classified as at least a Category 3; sustained winds of at least 111 mph (at least 96 knots)

Tropical cyclones have been recorded in every month of the year and can develop any time if the conditions are right. The Atlantic Hurricane Season occurs annually between June 1 to November 30 and represents the statistical high when tropical cyclones develop in the Atlantic Basin. Development does not necessarily mean landfall. A tropical cyclone's track and intensity mainly depend on steering currents, wind shear, and water temperature.

The intensity and track of the storm determine the hazards and impacts Brevard County can expect to experience including:

- High winds
- Storm surge
- Coastal and inland flooding
- Heavy rainfall
- Tornados
- Coastal erosion

This hazard profile includes high winds and storm surge as accompanying hazards of a tropical cyclone.

High winds occur when there are significant differences in air pressure, causing air to move rapidly from high-pressure areas to low-pressure areas. In hurricanes, extremely low pressure at the storm's center creates a strong pressure gradient, drawing air inward. The Coriolis effect then curves these winds, forming the storm's spin and concentrating the highest winds around the eyewall. Warm ocean water and released heat provides more fuel for the system. Outside of tropical systems, strong winds are typically caused by cold fronts, low-pressure systems, and jet stream activity, where steep pressure differences drive gusty conditions.

By their nature, tropical cyclones impact the water beneath them. Storm surge is one of the results of those impacts. Many factors impact the maximum amount of storm surge including tropical cyclone

intensity, forward speed, the radius of maximum winds, angle of approach, and characteristics of the coastline. Storm surge and related terms are defined below.

- **Storm Surge** – the abnormal rise of water level over and above the normal astronomical tide, expressed as the height above predicted or expected tide levels. It is measured as a deviation from normal levels, and not attached to a tidal datum
- **Storm Tide** – the water level due to the normal tide and storm surge and is related to a tidal datum
- **Wave Action –** Wind-driven waves on top of storm surge
- **Inundation** – the height of water above normally dry ground as established by the Mean Higher-High Water line
- **Depth** – the height of water over ground level established by a vertical datum, such as the North American Vertical Datum (NAVD88)

More information about Storm Surge and its impacts are available from the National Hurricane Center.

Extent

A tropical cyclone's intensity is categorized by its windspeed on the Saffir-Simpson Hurricane Wind Scale. Meteorologists can also use the Dvorak Technique to estimate tropical cyclone intensity using infrared and visible satellite imagery in the absence of aircraft-gathered data. It has shown a relationship between pressure, measured in millibars, and cyclone intensity.

Category	Wind Speed and Pressure	Type of Damage
Five (Major Hurricane)	≥157 mph ≥137 knots <921 mb	Catastrophic Damage: Most framed homes destroyed, complete roof and wall collapse, widespread tree and power pole failures, area uninhabitable for weeks or months
Four (Major Hurricane)	130–156 mph 113-136 knots <948 mb	Catastrophic Damage: Severe structural damage to framed homes, widespread tree and power pole failures, prolonged power outages, area uninhabitable for weeks or months
Three (Major Hurricane)	111–129 mph 96-112 knots <960mb	Devastating Damage: Major roof damage to homes, many trees uprooted, blocked roads, electricity and water outages for days to weeks
Two (Hurricane)	96–110 mph 83-95 knots <970mb	Extensive Damage: Major roof and siding damage, trees uprooted, widespread power outages for days to weeks
One (Hurricane)	74–95 mph 62-82 knots <987mb	Moderate Damage: Roof, shingle, and siding damage, tree branches snap, power outages lasting several days
Tropical Storm	39–73 mph 35–63 knots <1005mb	Light Damage: Strong winds may cause damage but less severe than a Category 1 hurricane
Tropical Depression	<38 mph <34 knots <1009mb	Minimal Damage: Though strong winds and gusts are still possible
Source: National Hurricane Center, National Oceanic and Atmospheric Administration		

Location

Brevard County and its jurisdictions are particularly susceptible to tropical cyclones. Tropical cyclones affect large areas outside of their forecast track. These storms can span hundreds of miles across and can impact entire states for days. When and where the cyclone makes landfall will change the impacts to Brevard County.

Previous Occurrence

Almost 200 tropical cyclones have passed within 100 miles of Brevard County since records began in the 19th century.

Brevard County Impacting Tropical Cyclones Since 2020				
Year	**Storm**	**Peak Sustained Winds (mph)**	**Rainfall (in)**	**Storm Surge (ft)***
2024	**Milton**	43	8	3-5
2024	**Helene**	36	1.5	1-2
2024	**Debby**	35	2.5	N/A
2023	**Idalia**	32	2	1-2
2022	**Ian**	46	15	2-3
2022	**Nicole**	53	3.7	3-4

**Storm Surge is measured in feet above the Mean High High Water (MHHW) point*

Historically Significant Tropical Cyclones		
Year	**Storm**	**Impacts**
2019	**Dorian**	Coastal Erosion
2017	**Irma**	Flooding, High Winds
2016	**Matthew**	High Winds, Coastal Erosion, Storm Surge
2012	**Sandy**	Coastal Erosion, Storm Surge
2008	**Fay**	Record Setting Flooding Rain
2004	**Jeanne**	Flooding, High Winds, Storm Surge
2004	**Frances**	Flooding, High Winds, Storm Surge

A record of every storm that has passed within 100 miles of Brevard County is available from National Oceanic and Atmospheric Administration's Office of Coastal Management's Digital Coast.

Probability

Brevard County can expect to experience impacts from tropical cyclones annually. Climate change has increased tropical cyclone frequency as ocean surface temperatures climb. Climate change will likely cause more frequent and stronger storms.

Vulnerability and Impacts

A tropical cyclone will impact all the homes, businesses, and infrastructure throughout the county. High winds would cause debris, widespread damage to buildings and infrastructure, and injuries or death to people. Coastal and inland flooding would inundate structures, severely damaging critical infrastructure and buildings.

Climate change and population growth have caused the county's vulnerability to increase. The additional people and accompanying development have taxed local infrastructure as it attempts to keep

up with the demand. Vulnerable communities include the populations noted in the asset inventory as they have less resources to cope with the pre, during, and post storm impacts.

Homes, businesses, and critical infrastructure closest to the ocean or the river will see more impacts from more frequent and stronger tropical cyclones. The amount of relatively low-risk land has also steadily decreased as more single-family and other low-density zoning has developed on the mainland side of the county. While newer structures are less vulnerable to the high winds, they can still sustain damage and remain susceptible to flooding. Mobile homes and many structures erected prior to building code changes face higher vulnerability to the strong winds associated with a tropical cyclone.

Tsunami

A tsunami is a series of large ocean waves caused by sudden and powerful disturbances in or near large bodies of water, such as earthquakes, volcanic eruptions, or underwater landslides. When these waves approach shallow coastal areas, they can increase in height and cause significant flooding, property damage, and loss of life. The North American, South American, and the Caribbean tectonic plates converge in the Puerto Rico Trench. A seismic event there could cause a tsunami to impact Brevard County. As well, an undersea landslide from the Azores/Gibraltar Fracture Zone near Portugal, could also cause a tsunami that can impact Brevard.

Extent

Tsunami inundation zones show the areas at risk of flooding based on predicted wave heights and local coastal conditions. Factors such as elevation, shoreline shape, and distance from the coast influence how far tsunami waters may reach. The National Oceanic and Atmospheric Administration has inundation models and maps that can help forecast where the impacts would be the worst.

Location

Jurisdictions within the tsunami danger zone include Cape Canaveral, Cocoa Beach, Satellite Beach, Melbourne Beach, Indian Harbour Beach, Indialantic, and Unincorporated Brevard. Port Canaveral would observe the most severe impacts due to the currents associated with a tsunami and the layout of the Port.

Previous Occurrence

There has not been a tsunami that has impacted Brevard County.

Probability

Because of the rarity of this type of event, it is not expected to occur more than once in 500 years.

Vulnerability and Impacts

Due to its location, Brevard County is vulnerable to tsunami activity. Brevard County has 72 miles of susceptible shoreline. The Tsunami Hazard Zone in Brevard County extends up to 300 feet inland. According to the National Weather Service, an estimated 24,741 businesses and residences within the Tsunami Hazard Zone. Approximately 12,000 residents live in this area along with a daily average of 10,000 beach visitors. Those visitors typically concentrate around crossovers and well-known parks, such as Jetty Park in Cape Canaveral, the Cocoa Beach Pier and Lori Wilson Park in Cocoa Beach. No change in risk is expected as the county grows.

Should a tsunami affect Brevard County, Port Canaveral would see outsized impacts from the currents pushing into the channel and harbor. These currents could push anchored cruise ships and damage the Port including the piers. Residents and tourists would have to evacuate the beach to just west of Highway A1A. If that evacuation is not possible, residents and visitors would need to move to the second floor of a well-constructed building.

Wildfire

A wildland fire originating from an unplanned ignition or unauthorized and accidental human caused fires. Late winter and spring are prime periods for wildfires, fueled by strong winds and a lack of rainfall. The major causes of wildfires are lightning and human negligence.

While wildfires are destructive, they are a part of the natural cycle of renewal. Fires cleanse the land of old trees and brush to make room for new growth to emerge. The ash left behind by the fire helps to fertilize the land offering more encouragement for new growth. Brevard County's natural habitats, including the scrub and the hammock, depend on this cycle to recharge.

Extent

Fires are mostly classified by how much land they burn, in acres, and how intense they burn. Below is a scale showing the different intensities of wildfires.

- **Low-Intensity Fires** – Burn at lower temperatures, mainly clearing underbrush without damaging mature trees.
- **Moderate-Intensity Fires** – More intense, causing some tree mortality but leaving patches of unburned areas.
- **High-Intensity Fires** – Consume large areas quickly, destroying vegetation and structures, often leading to post-fire hazards like erosion and landslides.

Location

All of the county and its jurisdictions are susceptible from the impacts from wildfire. The most at-risk areas are closest to existing scrub and hammock habitats. These areas include developments in or around:

- West of Interstate 95
- Lake Washington
- Newly developed sections of the Town of Malabar and Town of Grant Valkaria
- Micco
- North Merritt Island
- North and west Cocoa
- Lake Poinsett
- Canaveral Groves

Previous Occurrence

Recent Wildfire Incidents Since 2020		
Year	**Fire Name/Event**	**Acres Burned**
2024	Duda	270
2024	Buffer	60
2024	Annex	176
2023	Laughing Gull	140
2023	5 Block	150
2023	Plantation	150
2023	Providence Rd	400
2023	Centerlane	130
2022	Iris	138
2022	Micco Road	65
2021	Otter Slide	1451
2021	Moccasin	580
2021	Deer Run	75
2020	Three Forks	75
2020	Three Forks Marsh Fire	570

Historic Significant Wildfire Incidents		
Year	**Fire Name/Event**	**Acres Burned**
2018	Micco Scrub Fire (Palm Bay)	600
2017	Three Forks #8 Fire	6,282
2017	Tucker Fire	4,500
2017	Midway 1 Fire (Titusville)	325
2016	Fleming Grant Fire	95
2016	Quincy Fire (Palm Bay)	45
2016	Twin Fire (Titusville)	1,300
2016	Smoke House Fire (Mims)	301
2016	Silver Gate Fire (Titusville)	275
2016	Tram Fire (Mims)	222
2011	Iron Horse Fire	17,500
2008	Mother's Day Fires	10,000+
1998	Summer Wildfires	150,000

Probability

Low-intensity wildfires are expected to occur annually in Brevard County. Fires causing widespread property damage and necessitating evacuations occur less frequently. These moderate-intensity and high-intensity fires can occur with a once in 25-year frequency.

Vulnerability and Impacts

The highest risk areas are those where new development borders natural habitats like the scrub and hammocks. These fires burn as a part of the natural cycle and may consume those structures closest to

the wildland-urban interface. Fires in those habitats can spread rapidly and will encounter structures quicker as development expands in the county. Depending on the scale of the fire, impacts may include the loss of homes and businesses where the fire was the most intense.

Climate change will continue to make more extreme impacts more likely. The dry periods are extending in length as average temperatures increase. More frequent and more intense tropical cyclones leave a growing amount debris behind. As that debris dries out, it becomes a critical fuel source and will strengthen a fire. Intense fires will be harder to control and extinguish. More intense fires, in addition to the development of natural habitats, will put wider populations and structures at risk.

Bulk Fuel / Oil Spill Incident

A bulk fuel or oil spill incident occurs when a large quantity of petroleum-based products, such as gasoline, diesel, jet fuel, or crude oil, is accidentally released into the environment. These spills can occur due to transportation accidents involving tanker trucks, railcars, or ships, pipeline ruptures, storage tank failures, or industrial mishandling. Port Canaveral serves as a primary fuel intake and transportation hub which impacts the risk of a fuel or oil spill.

Extent

The severity of a bulk fuel or oil spill depends on the type and volume of the release, the location of the incident, and the environmental sensitivity of surrounding areas.

Bulk Fuel / Oil Groups and Their Characteristics			
Group	**Examples**	**Volatility & Residue**	**Environmental & Cleanup Impacts**
1 – Non-Persistent Light Oils	Gasoline, Condensate	Highly volatile; evaporates within 1–2 days; leaves little to no residue.	Highly toxic soluble compounds; localized but severe impacts; cleanup can be dangerous due to flammability and fumes.
2 – Persistent Light Oils	Diesel, No. 2 Fuel Oil, Light Crudes	Moderately volatile; up to 1/3 residue remains after a few days.	Moderately toxic; can cause long-term contamination in intertidal areas; cleanup is generally effective.
3 – Medium Oils	Most Crude Oils, IFO 180	About 1/3 evaporates within 24 hours.	Can heavily contaminate intertidal zones; strong impacts on birds and mammals; quick cleanup is necessary for best results.
4 – Heavy Oils	Heavy Crude Oils, No. 6 Fuel Oil, Bunker C	Little to no evaporation or dissolution.	Severe and long-lasting contamination; heavy impacts on wildlife; sediments remain polluted; cleanup is very difficult.
5 – Sinking Oils	Slurry Oils, Residual Oils	Does not evaporate or dissolve; can sink below the surface.	Behaves like heavy oils on shorelines but sinks offshore; damages bottom-dwelling organisms; removal often requires dredging.

Location

The highest-risk locations in Brevard County are in and around high-volume transportation routes such as Port Canaveral, the Florida East Coast Railway, pipeline corridors, and roadways such as Interstate 95, U.S. Highway 1, and State Road 528. Storage and transfer facilities are also primary points of concern for spills.

Previous Occurrences

In the past five years, Brevard County has experienced minor fuel spills related to transportation and storage, primarily at Port Canaveral and along roadway corridors. These incidents were contained quickly and resulted in minimal environmental damage.

Probability

The probability of a major bulk fuel or oil spill in Brevard County is considered unlikely with a one in 100-year probability of occurrence. This is due to the controls placed on the movement of petroleum products.

Impacts and Vulnerability

A bulk fuel or oil spill in Brevard County would have severe environmental, economic, and public health impacts. Smaller spills may be quickly contained with limited long-term consequences, while larger incidents can result in fires, explosions, and significant environmental contamination. A large-scale oil spill into the Indian River Lagoon, Banana River, or the Atlantic Ocean could lead to extensive ecological damage, affecting wildlife, marine habitats, and local fisheries. Any spill could impact tourism, cruise ship operations, and fuel distribution, causing economic losses. At Port Canaveral, a major incident could significantly disrupt operations. This disruption could create widespread economic losses across the region. As Brevard County continues to experience growth in both population and industrial activity, its vulnerability to large-scale spills could increase. The United States Coast Guard Sector Jacksonville maintains an Area Contingency Plan for the Northeast and East Central Florida regions. The Area Contingency Plan guides the response to an oil spill in any of the region's waters. The full plan can be accessed at the Sector Jacksonville website.

Civil Unrest

Civil unrest consists of demonstrations, protests, or riots that disrupt public order and may involve property damage or violence. Triggers include political polarization, social justice events, or contentious incidents.

Extent

Severity ranges from minimal disruption to extended disturbances requiring mutual aid and protective actions for nearby facilities.

Location

Civil unrest is likely to occur in high-visibility venues or transportation corridors where the involved people can get the most visibility.

Previous Occurrences

There have been no significant incidents of civil unrest in Brevard County in the last 50 years.

Probability

A large-scale civil unrest incident, that results in property damage or injuries, is unlikely with a one in 25-year probability of occurrence. This can vary with national and regional events, election cycles, and social media mobilization.

Impacts and Vulnerability

Impacts can include injuries, property damage, traffic disruption, and business closures. Vulnerability concentrates in high-traffic areas that host large events and will primarily affect those attending the events.

Communications Failure

Communications failure refers to the partial or complete disruption of critical communication systems, including landlines, cellular networks, internet services, and radio systems. These failures can result from infrastructure damage, equipment malfunctions, severe weather, or cascading power outages.

Extent

The extent of a communications failure depends on the type, cause, and duration of the outage. Localized failures may affect individual cell towers or small areas, while countywide disruptions can occur when major network infrastructures fail.

Location

Communications failures can affect anywhere in Brevard County.

Previous Occurrences

Brevard has mainly experienced hurricane-related outages or intermittent cellular disruptions.

Probability

Widespread communications failures have a one in 25-year probability of occurrence.

Impacts and Vulnerability

Communications failures can delay 911 calls, hinder coordination among first responders, and block residents from basic communications. Vulnerable populations face disproportionate risks during prolonged outages. Critical infrastructure is especially reliant on uninterrupted communications. Many agencies maintain redundant systems like satellite phones and public safety radios.

Cyber Attacks

A cyber attack is a deliberate and malicious attempt to breach, disrupt, damage, or gain unauthorized access to computer systems, networks, or data. Cyber attacks can target individuals, organizations, or government institutions. They are typically carried out using malware, ransomware, phishing, or denial-of-service attacks.

Extent

The severity of a cyber attack depends on the type of attack, targeted system, and duration of disruption. Impacts can range from localized system failures and data breaches to widespread operational disruption. Minor attacks may only affect a single department or facility. Sophisticated attacks could compromise multiple systems simultaneously, affecting residents, businesses, and critical infrastructure throughout Brevard County.

Location

Cyber attacks are not geographically constrained but primarily affect locations with networked digital systems. Any facility that relies on digital connectivity is potentially vulnerable.

Previous Occurrences

While Brevard County has not experienced any publicly reported major cyber attacks on critical infrastructure in the past five years, ransomware and other attacks have affected local governments elsewhere in Florida.

Probability

Given persistent threat activity and growing digital dependence, cyber attacks have a one in 25-year probability of occurrence. The probability of a large-scale cyber attack is smaller with a one in 100-year probability of occurrence.

Impacts and Vulnerability

A successful cyber attack in Brevard County could have significant operational, economic, and social consequences. Interruptions in utility and energy systems could affect power delivery, water management, and other essential services, with cascading impacts on homes, businesses, and public facilities. Economic impacts could include financial losses from system downtime, ransomware payments, recovery efforts, and operational delays. Vulnerability is increased by a growing reliance on networked systems, interdependencies between public and private Information Technology infrastructure, and limited Information Technology staffing or resources. While proactive cybersecurity measures reduce risk, constantly evolving threats keep Brevard County vulnerable to cyber attacks.

Dam/Levee Failure

A dam or levee failure occurs when a structure intended to impound or control water is overtopped, breached, or otherwise compromised. While Brevard County has no large federal dams, it has approximately 30 miles of levees in the upper basin of the St. Johns River that protect agricultural lands, residential parcels in west Palm Bay, a high school, and a subdivision in southern unincorporated Brevard. There is also a St Johns River Water Management District maintained weir on Lake Washington that is critical to managing lake levels for the City of Melbourne's water supply.

Extent

Severity ranges from minor erosion and localized overtopping to rapid, uncontrolled releases causing downstream inundation. Consequences can include swift, deep flooding, transportation disruption, damage to utilities, and secondary environmental impacts depending on release volume and velocity.

Location

Risk is concentrated along the St. Johns River upper basin levee system and downstream low-lying communities, as well as areas relying on the Lake Washington weir. Impacts vary by elevation, proximity to levees, and distance from controlled water bodies across the planning area.

Previous Occurrences

No catastrophic failures have occurred. In 2023, a breach caused by boats crossing over the bordering marsh on the Lake Washington Weir was repaired by the St Johns River Water Management District. Inspections by the St. Johns River Water Management District and the U.S. Army Corps of Engineers have ensured the federal and Water Management District structures in good working order.

Probability

Given regular inspection, maintenance, and operational controls, the probability of a damaging levee or weir failure is very unlikely in any given year; a one in 500 years probability of occurrence.

Impacts and Vulnerability

A failure could produce sudden flooding, damage public and private property, and interrupt transportation and utilities. The City of Melbourne's potable water supply could be affected if the Lake Washington weir failed. Vulnerability increases where development approaches closest to the water control structures. The effects of climate change, such as more frequent and intense rainfall events, could exacerbate riverine flooding risks and heighten the chances of a structural failure.

Hazardous Materials Release

A hazardous materials release occurs when dangerous substances, such as chemicals, fuels, or gases, are accidentally or intentionally discharged into the environment. Hazardous materials are stored, used, and transported throughout Brevard County, with bulk storage sites, industrial facilities, transportation networks, and pipelines contributing to potential risks. In addition to storage facilities, rail, highway, and maritime transport routes increase the potential for incidents, particularly near densely populated areas.

Extent

The severity of a hazardous materials release depends on several factors, including the type of substance released, location of the incident, weather conditions, and population density. Minor spills may be quickly contained, while large-scale releases could require mass evacuations, extended shelter-in-place orders, and long-term remediation. A pipeline explosion could have multiple impacts and possible cascading effects on infrastructure and energy supply.

Location

Hazardous materials are present throughout Brevard County in both fixed facilities and along major transportation routes. Storage facilities exist in industrial areas, including those supporting the space industry. Major roadways such as Interstate 95, U.S. Highway 1, and State Road 528, as well as Florida East Coast Railway corridors and Port Canaveral, are significant transport routes where releases could occur. Brevard County also has over 170 miles of natural gas pipelines that traverse populated regions, including Palm Bay, Melbourne, Titusville, and unincorporated areas which carry natural gas primarily for energy providers like Florida Gas.

Previous Occurrences

In the past five years, Brevard has experienced minor spills and transport-related incidents contained by facility or carrier response with limited off-site impacts. No countywide catastrophic release has been recorded. However, rail traffic and industrial activity contribute to a steady background risk.

Probability

Probability of a significant, uncontrolled release is unlikely with a one in 100-year occurrence. Minor releases are a greater than annual occurrence due to HAZMAT transport, fixed facilities, and pipeline mileage.

Impacts and Vulnerability

Significant releases could overwhelm local response and healthcare capacity, necessitate regional mutual aid, and cause long-term contamination of soil and waterways. Populations near industrial sites, rail crossings, and pipelines are more exposed, as are critical facilities along transport routes. Impacts are influenced by the characteristics of the released material and the surrounding area.

Radiological Release

A radiological release occurs when radioactive materials are accidentally or intentionally released into the environment, posing risks to human health, property, and the ecosystem. These materials may originate from nuclear power facilities, military operations, transportation incidents, or aerospace launches. In Brevard County, potential sources of radiological hazards include:

1 - The St. Lucie Nuclear Power Plant in St. Lucie County
   - Brevard's southern part of the county falls within the 50-mile Plume Ingestion Pathway, where contaminated foodstuffs could be restricted

2 - A Space Launch with a Radiological Source
   - A space vehicle with a radiological source for power launches from Kennedy Space Center or Cape Canaveral Space Force Station
   - Launches with radiological sources are rare and follow extensive multi-year planning and safety review processes
   - The effects of an anomaly on Brevard County depend on many factors including the source, the weather, and the time into flight of the anomaly

3 - Port Canaveral Trident Pier
   - Port Canaveral occasionally hosts a United States Navy nuclear submarine

Extent

The severity of a radiological release depends on the type of radioactive material, quantity released, duration of exposure, and proximity to populated areas or sensitive environments. The most severe damage to Brevard would be economic due to losses of residents, businesses, agriculture, and tourism.

Location

Southern Brevard is within the ingestion pathway for St. Lucie. Areas closest to Kennedy Space Center and Cape Canaveral Space Force Base launch facilities are also vulnerable from launches with radiological payloads. However, the entire county would feel the economic impacts from such a release.

Previous Occurrences

No radiological releases have affected Brevard County.

Probability

Overall, this hazard is very unlikely with a one in 500-year probability of occurrence. This is due to stringent federal regulations and engineering controls.

Impacts and Vulnerability

Any impacts would be determined by unique circumstances surrounding a release. A radiological release from any source could require individuals within the plume to shelter-in-place. Residents with gardens or in agriculture may also need to safely dispose of their current crops to avoid food contamination. Environmental impacts could include contamination of soil and wetlands. Populations living near Port Canaveral, Kennedy Space Center, and major transportation corridors face elevated exposure risks, especially those who are elderly, medically vulnerable, or without personal transportation in the event of an evacuation. Brevard's growing population may increase overall vulnerability in the future.

Space Launch Anomalies

A space launch anomaly occurs when a launch vehicle deviates from its intended trajectory or experiences a failure during ascent or landing. This often results in the partial or complete loss of the launch vehicle. Anomalies may be caused by mechanical failure, software errors, weather conditions, or fuel system malfunctions. Launch vehicle anomalies can cause debris fields because of the speed and altitude at which the anomaly occurs. The size of individual pieces of debris can range from a couple inches to several feet. The fuel used by the launch vehicles can also pose a toxic risk depending on the amount and type of fuel. Hypergolic fuels such as hydrazine are highly potent oxidizers that can cause severe harm to humans if exposed to a small amount for any period. The use of hypergolic fuels has decreased over time, but they are still used in some launch vehicles. Distance focusing overpressure (DFO) is a specific type of shockwave from the explosion of a launch vehicle that only occurs under certain meteorological conditions. This phenomenon can cause broken windows far from the initial location of the anomaly.

Brevard County is home to Kennedy Space Center and Cape Canaveral Space Force Station. These launch facilities support increasingly frequent commercial, military, and government space launches. While launch vehicles can carry large amounts of rocket fuel, including hazardous propellants, improved safety protocols have limited any off-site impacts.

Extent

The severity of a space launch anomaly depends on vehicle size, fuel type, trajectory, and location of failure. Consequences can range from minor equipment loss and limited debris to widespread debris fields and potential impacts to facilities immediately surrounding Kennedy Space Center or Cape Canaveral Space Force Station.

Location

Space launch anomalies can affect launch pads, adjacent facilities, or waterways within the path of the launch vehicle. Virtually all debris from an anomaly will remain within the perimeter of Kennedy Space Center and Cape Canaveral Space Force Station or in the Atlantic Ocean. The exact debris field depends on the altitude and trajectory at the time of failure.

Previous Occurrences

On January 27, 1967, a launch pad anomaly caused Astronauts Virgil Grissom, Edward White and Roger Chaffee to lose their lives during a pre-flight check. On January 28, 1986, Space Shuttle Challenger experienced a catastrophic anomaly 86 seconds into flight that resulted in the death of all astronauts aboard. On February 1, 2003, Space Shuttle Columbia experienced a catastrophic anomaly on reentry also resulting in the death of all astronauts aboard. Though Columbia broke apart over the continental United States, no injuries on the ground were reported. Recent anomalies caused by the SpaceX Falcon 9 and Falcon Heavy testing, only resulted in vehicle loss and debris but no injuries.

Probability

Launch anomalies remain unlikely with a one in 25-year probability of occurrence. Anomalies that affect the county outside of the perimeter of Kennedy Space Center or Cape Canaveral Space Force Station are even more unlikely with a one in 100-year probability of occurrence. Larger launch platforms such as Artemis, Starship, and New Glenn could cause the probability of offsite impacts to increase as their programs grow.

Impacts and Vulnerability

Depending on the launch vehicle and other factors, the impacts of an anomaly could be severe but are very unlikely to reach outside the perimeter of Kennedy Space Center or Cape Canaveral Space Force Station. As the launch vehicles grow and active launch pads move south on Cape Canaveral Space Force Station, Port Canaveral and its various customers could potentially be impacted by an anomaly occurring. Burgeoning cruise traffic and greater launch frequencies are increasing the chance of a maritime impact from an anomaly.

The most severe impacts that would be felt in Brevard are economic. If an anomaly causes a program cancellation, Brevard could experience economic impacts similar to the aftermath of the Challenger Disaster in 1986. Following the Challenger explosion, people working for and around the Space Shuttle Program were out of work and migrated out of the area. A lot of high-paying jobs were lost and led to a large migration out of the area. A similar impact occurred when the Space Shuttle Program was ended in 2011. As launch providers expand, the economic impacts would affect the entire county as employees become more dispersed and reinforce the need for a diverse, countywide economic base.

Terrorism

Terrorism is the use of violence, intimidation, or threats to achieve political, religious, or ideological objectives. Biological attacks could involve the release of viruses, bacteria, or toxins such as anthrax, smallpox, or ricin, while chemical attacks could involve nerve agents, mustard gas, or chlorine. Attacks can be carried out by domestic groups, international organizations, or lone actors. Potential targets may include people, facilities, infrastructure, transportation systems, or information networks.

Extent

The severity of a terrorist incident depends on the attack method, scale, and target. Consequences can range from localized injuries or fatalities to widespread disruption and environmental contamination. An attack could damage infrastructure and result in mass casualties. Biological or chemical releases could cause immediate health effects or long-term illness.

Location

High-risk areas in Brevard County include Port Canaveral, Kennedy Space Center, Patrick Space Force Base, Cape Canaveral Space Force Station, tourism districts, and transportation infrastructure. Rural areas of Brevard are generally less likely targets.

Previous Occurrences

Brevard County has not experienced a confirmed terrorist attack.

Probability

An organized and wide impacting terrorist attack is very unlikely with a one in 500-year probability of occurrence. However, the probability could change due to shifting political, religious, and ideological landscapes.

Impacts and Vulnerability

A terrorist incident in Brevard County, including biological or chemical attacks, could result in significant impacts. Residents and visitors in affected areas would be at greatest risk. Exposure to biological or chemical agents could result in serious injuries and long-term health effects. Critical infrastructure could be damaged or disrupted. Psychological impacts could also be widespread. The tourism industry would also see impacts with less individuals wanting to travel to Brevard. Environmental contamination could harm ecosystems, wildlife, and natural resources.

Transportation Incidents

Transportation incidents occur when failures or accidents within a transportation system result in injuries, fatalities, property damage, or environmental impacts. These incidents can involve roadways, railways, airports, seaports, or other transit infrastructure, and may be caused by operator error, equipment malfunction, natural hazards, hazardous cargo, or intentional acts. In Brevard County, critical transportation infrastructure includes Interstate 95, major rail lines such as Florida East Coast Railway, Port Canaveral, Patrick Space Force Base, and multiple airports, including Melbourne International Airport.

Extent

The severity of a transportation incident varies widely, from minor collisions with limited injuries to large-scale accidents. Highway accidents can involve multiple vehicles and produce fatalities or serious injuries. Rail incidents, especially those involving hazardous cargo, can cause fires, explosions, or toxic releases affecting surrounding populations. Aircraft accidents can lead to loss of life, property damage, and debris contamination over wide areas. Port incidents may involve hazardous material spills, fuel leaks, or ship collisions, causing environmental degradation and economic disruption.

Location

With major roadways, railroad tracks with 146 at-grade crossings, Port Canaveral, and airports, all of Brevard County is susceptible to impacts from a transportation incident. Rail incidents often occur at grade crossings or along freight corridors. Port Canaveral is a hub for cruise and cargo operations, fuel intake, and military shipping, making it sensitive to large-scale incidents. Airports present risks both on the ground and in the airspace surrounding the facility, particularly during takeoff and landing operations.

Previous Occurrences

In the past five years, Brevard has seen hundreds of vehicle crashes on Interstate 95 and increased grade-crossing incidents linked to higher rail traffic. There have been a handful of incidents at the airports and Port Canaveral with highly localized impacts.

Probability

Less complex, smaller incidents occur multiple times per year and are practically guaranteed to occur. The complex, higher impact events have a one in 25-year probability of occurrence.

Impacts and Vulnerability

Impacts include fatalities, injuries, hazardous materials exposure, delays to evacuation traffic, and economic loss from disrupted logistics and tourism. Vulnerability is higher along busier routes, dense tourist zones, and near fuel and cargo facilities.

The Local Mitigation Strategy

The Local Mitigation Strategy represents the operational portion the Hazard Mitigation Plan. The Steering Committee is the mechanism through which Brevard identifies and completes mitigation projects.

Mitigation Capabilities

Capabilities to complete mitigation activities include funding, regulatory tools, and public outreach. Each jurisdiction updates information about its current capabilities to the Steering Committee during meetings as needed. Brevard County and its jurisdictions are responsible for reviewing their capabilities to identify and address capability gaps. Then, they will identify mitigation projects to close the capability gaps. These new projects can include construction, finding a new funding source, or updating regulations. A current list of capabilities by jurisdiction can be found in Appendix F.

Funding Sources for Hazard Mitigation

Funding Level	Sources
Federal	Hazard Mitigation Grant Program (HMGP)
	Hazard Mitigation Grant Program (HMGP) Post-Fire
	Flood Mitigation Assistance (FMA) Grant Program
	Community Development Block Grant – Disaster Recovery (CDBG-DR)
	Community Development Block Grant – Mitigation (CDBG-MIT)
State	Florida Hurricane Catastrophe Fund
	Hurricane Loss Mitigation Program (HLMP)
	Resilient Florida Grant Program
	Rebuild Florida Program
	Elevate Florida Program
Local	Local Budget/Capital Improvement Plans
	Stormwater Tax Assessment
	In-Kind Services

The Steering Committee

The Steering Committee is the representative structure that coordinates mitigation activities in Brevard County. The Steering Committee handles business according to the Bylaws. Special committees like the Initiative Scoring Sub-Committee focus on reviewing and prioritizing projects. The Steering Committee has representation from the Brevard County Board of County Commissioners, Brevard Public Schools, Brevard County Sheriff's Office, each of Brevard County's 16 municipalities, the Canaveral Port Authority, the St. Johns River Water Management District, local hospital systems, and private industry partners. A list of the members of the Steering Committee is in Appendix B.

Bylaws

The Steering Committee follows a set of bylaws that guide how the group operates. These bylaws lay out the structure of the Committee, how members are chosen, and how decisions are made. The Bylaws make sure every participating municipality, organization, and community partner knows their role, how

to stay involved, and how to bring projects forward for consideration. The Bylaws provide a clear set of rules so the Steering Committee can operate fairly and efficiently. A copy of the bylaws is in Appendix E.

Meetings

The Steering Committee meets quarterly to discuss current mitigation issues. Meetings can be held in-person or virtually and serve as an opportunity for Steering Committee members to get together and provide updates on their progress implementing mitigation projects. Mitigation projects can be proposed and incorporated into the plan at any regular meeting. Special meetings can be held to go over single topics such as hazard reviews, development updates, or the project list.

Goals

The Steering Committee defined a new system to clarify the differences between goals and projects.

- **Goals** – Overarching long-term targets; provide direction for the strategy
- **Projects** – Any mitigation actions taken or planned to reduce risk and work toward one or more of the goals

The Steering Committee sets the goals of the Local Mitigation Strategy to reflect changes in Brevard County and its jurisdictions. The following goals reflect lessons learned and provide a flexible framework for the future.

1. Implement measures to reduce the vulnerability of critical infrastructure to all types of hazards
2. Encourage updates to local building codes and zoning regulations to reduce risk
3. Increase power redundancy for critical infrastructure by installing backup power systems
4. Increase awareness of federal and non-federal programs and funding sources to enhance mitigation efforts
5. Use public education, outreach campaigns, and innovative tools to improve community understanding of hazard risks and mitigation strategies

Projects

A structured and transparent process for identifying, prioritizing, and implementing mitigation projects is essential for Brevard's mitigation strategy. Each project incorporated into the Hazard Mitigation Plan has the goal of reducing risk of at least one of the identified hazards with at least one jurisdiction seeing the benefits of the project. Members can update the Steering Committee on their progress of project implementation at every meeting of the Steering Committee.

Project Proposal, Scoring, and Prioritization Procedure

The Applicant

1. Requests and complete a Project Proposal Form
2. Returns the completed Project Proposal Form to Brevard County Emergency Management staff at least 72 hours prior to the next Steering Committee Meeting to be added to the agenda
3. Brevard County Emergency Management Staff will review the proposal for similarity to any previously approved projects and advise the applicant
4. Presents the proposed project to the Steering Committee for approval

The Steering Committee

1. Review any Project Proposals ahead of the next Steering Committee meeting
2. Consider the proposal form and applicant presentation of the project
3. Provide applicable feedback to the applicant about their proposal
4. Hold a vote to add the proposed project to the Project List

The Project Scoring Committee

1. A meeting of the Project Scoring Committee will be held in accordance with the By-Laws
2. The Committee will score the project proposals using the first five scoring criteria on the Hazard Mitigation Plan Project Scoring and Prioritization Sheet as shown in Figure 1
3. The projects will be prioritized in descending order based on their score
4. The scoring sheets and prioritized project list will be sent to the Steering Committee and project applicants for review

Special Procedures

Per Florida Administrative Code Rule 27P-22, some funding opportunities require interested applicants to seek approval from their Local Mitigation Strategy Working Group to apply for funding. Any approved applications must be prioritized by the Steering Committee. An approval and priority of funding letter will be signed by the Chair or Vice-Chair and sent to the Florida Division of Emergency Management and each of the applicants. The following procedure will be used to score and prioritize new and previously approved projects to seek funding from these funding opportunities.

1. Brevard County Emergency Management Staff will send information regarding the funding opportunity to the Steering Committee
2. The Chair or Vice-Chair may request a special meeting of the Steering Committee to approve and prioritize projects for funding
3. Entities must submit their new or previously approved projects to Brevard County Emergency Management Staff at least 72 hours before the special meeting for inclusion on the agenda
4. The applicants will present their project proposals to the Steering Committee for approval
5. The Steering Committee will vote to approve new projects to the project list first
6. A separate vote will be held to approve the applicants to seek funding
7. After the special meeting, the Project Scoring Committee will meet to score new projects and prioritize all approved projects
8. All projects will be scored and prioritized using all seven scoring criteria on the Project Scoring and Prioritization Worksheet
9. The final scoring and prioritization will be sent to the applicants as well as the Chair and Vice-Chair
10. The Chair or Vice-Chair, in the absence of the Chair, will sign and send a letter of approval to all approved applicants and attach the final prioritization order to the letter

The applicants may then submit their application for funding to the funding agency as outlined in the funding opportunity.

The Prioritized Project List

The Steering Committee uses a prioritized project list to organize and stage projects ready for implementation. This is also how the Steering Committee and Brevard County Emergency Management tracks the progress of mitigation projects being conducted within the county. The Project List categorizes projects as follows:

- **New**: The project was proposed and accepted in the current year
- **In-progress**: Funding has been secured, and the project is moving forward
- **Updated**: The project's scope or cost changed and was updated with committee approval
- **Complete**: The agency has finished the project, showing progress
- **Deferred**: The project remains valid but is postponed due to current priorities or funding constraints
- **Cancelled**: The project is cancelled and no longer being pursued by the jurisdiction

PROJECT TITLE						
Scoring Criteria	**10**	**8**	**5**	**3**	**0**	**Score**
Consistency with LMS Goals	Consistent with multiple goals or objectives		Consistent with one goal or objective		Not consistent with any goals or objectives	
Environmental Impacts	Largely benefits the surrounding ecosystems, natural resources, air quality, or water quality long-term (over 50 years)	Benefits the surrounding ecosystems, natural resources, air quality, or water quality short-term (10-49 years)	No environmental impact is made	Minimal, low-impact damage to ecosystems, natural resources, air quality, or water quality	Causes damage to surrounding ecosystems, natural resources, air quality, or water quality	
Social Equity	Has multiple positive effects on people or positively affects an area of Low SVI or a CDRZ	Positively impacts some people or areas	Does not displace or negatively affect any people	Negatively impacts very few people	Negatively impacts many people	
Population Impacted	At least 90% of Brevard County's population will see a benefit	At least 65% of Brevard County's population will see a benefit	At least 35% of Brevard County's population will see a benefit	At least 5% of Brevard County's population will see a benefit	Less than 5% of Brevard County's population will see a benefit	
Hazard Probability	Once a year or more	Once every 25 years	Once every 50 years	Once every 100 years	Once every 500 years	
Meeting Attendance	Attended four meetings in the past calendar year		Attended two meetings in the past calendar year		Attended no meetings in the past calendar year	
Past Initiative	Present on the current LMS Initiatives List				Not present on the current LMS Initiatives List	
					Total:	**0**

Figure 1: Project Scoring Sheet

Public Participation

The Steering Committee and Brevard County Emergency Management invite public participation annually through the planning cycle. Any contributions from the public are recorded and considered for incorporation into the plan by the Steering Committee. The last Steering Committee meeting of each year is publicly noticed through the Brevard County noticed meeting process.

Plan Maintenance

The Hazard Mitigation Plan is a living document that requires regular monitoring and evaluation to remain effective and relevant. Brevard County Emergency Management, working in partnership with the Steering Committee, oversees the plan's maintenance, including conducting an annual evaluation. The department maintains the master copy, ensuring all updates and revisions are properly documented. It also coordinates and facilitates Steering Committee meetings while providing the administrative support needed to guide plan maintenance activities. As part of this process, annual updates from participating jurisdictions are collected, reviewed for accuracy, and incorporated into the plan. In addition, strong relationships with external agencies and stakeholders are fostered to enhance coordination and ensure the plan remains comprehensive and effective.

Hazard Mitigation Plan Integration

The Hazard Mitigation Plan is integrated through the proposal and completion of mitigation projects and actions incorporated into the plan and each jurisdiction's policies and regulations. For the Hazard Mitigation Plan to be effective, it must be integrated into the everyday operations of Brevard County and its municipalities. At the jurisdictional level, this integration often takes the form of implementing mitigation projects identified in the plan. These projects address specific hazards or capability gaps. Additional projects are identified through jurisdictional after-action reports and updated hazard assessments.

Post-Disaster Assessment

Following any significant incident that impacts Brevard County, the Steering Committee, in coordination with Brevard County Emergency Management, undertakes a review to evaluate both the successes of existing mitigation efforts and the opportunities for further risk reduction. This process begins with an assessment, including the type of hazard, the scale of its impact, and the affected assets. Attention is given to understanding how the event compared with the County's hazard profiles, whether the impacts were anticipated, and any emerging vulnerabilities.

Mitigation projects within the impacted areas are examined for performance. This evaluation determines whether projects functioned as intended, the degree to which they reduced damage, and where they may have fallen short. Projects that demonstrate measurable success are highlighted as best practices and shared broadly with the Steering Committee, participating jurisdictions, and the community at large. Conversely, projects that did not achieve their goals are analyzed to identify the reasons for underperformance, such as design limitations, insufficient scale, or unanticipated hazard conditions. Successful strategies are considered for replication in other parts of the County, while lessons from less effective efforts inform the development of new projects or the modification of existing approaches.

Plan Update

The Hazard Mitigation Plan is updated regularly to remain compliant with federal and state requirements and to ensure it reflects the evolving needs of Brevard County. The update process has been adapted to the current needs of and capabilities of the entire county. Updates occur on both an annual and five-year basis, each serving a distinct purpose.

- Annual Update – The annual updates provide the Florida Division of Emergency Management with information on plan changes such as revisions to hazard profiles, project implementation status, jurisdictional participation, and Steering Committee representation. Annual reporting helps the Plan incorporate new data and emerging risks more frequently. Annual updates are required by Florida Administrative Code Rule 27P-22.

- Five-Year Update – Emergency Management leads the comprehensive update of the Hazard Mitigation Plan, working in close collaboration with local jurisdictions and the Steering Committee. This update allows the County to reexamine its risk analysis, review goals, and incorporate changes in policy, law, and funding programs. Special topic meetings are held to address hazard identification, track development, and discuss the goals. Unique to the five-year update, kick-off and check-in meetings are conducted to give as broad of an opportunity as possible for increased accessibility and participation.

Details about this most recent update can be found in Appendix A.

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Establishment of the City Council's legislative priorities for 2027 (action item)

Cost: N/A

Attachments: SCLOC Policies and Procedures excerpt
2026-2027 Interim Committee Meeting Schedule
2027 Session Dates

Staff Recommendation:

Consider discussing and establishing the City's legislative priorities for 2027.

Background Information:

Per the Space Coast League of Cities' (SCLOC) Policies and Procedures, member cities are requested to provide a copy of their legislative priorities to the SCLOC each year for consideration of inclusion in the SCLOC's legislative priorities.

2026 legislative priorities established by the City Council last year included:

- Continuation of the Indian River Lagoon cleanup
- Vacation Rental regulations (i.e., stopping further state preemptions)
- Addressing the rising cost of homeowner's property insurance
- Preserve Home Rule authority

- Federal funding for infrastructure resiliency

Hence, staff requests the City Council to identify the City's legislative priorities for 2027, which will be provided to the SCLOC and the City's lobbyist.

B. Increase public knowledge of municipal services, issues, concerns, accomplishments and responsibilities.

C. Provide professional, high-quality information, research, training; and technical assistance, as well as innovative forums, conferences, publications and on-line services to help municipal governments plan for the future and improve the quality of life for their citizens.

D. Provide professional administrative leadership to ensure the continued availability of financially sound, innovative and cost-effective insurance/risk-management and financial services, programs and products to local governments.

E. Provide responsible and honorable stewardship of the Florida League of Cities' resources, especially human and financial.

VI. COMMITTEES

The committees described below are either standing or commonly-appointed League committees. This is not an all-inclusive list, as the Bylaws permit the creation of any committee deemed appropriate to conduct League business. The Bylaws provide that active delegates (both voting and non-voting) of member municipalities are automatically eligible to serve and vote on all committees; and associate, government, and honorary members may serve and vote on committees (except the Intergovernmental, Nominating, and Scholarship Committees) if approved by the Board.
(NOTE: See Bylaws for further discussion of committees.)

A. **FINANCIAL BUDGET COMMITTEE:** This committee is appointed by the President in March and is Chaired/Headed by the Treasurer. This committee generates the upcoming Budget and may assist the Treasurer in reviewing the monthly financials and ongoing budgetary issues.

B. **GOVERNANCE COMMITTEE:** This committee is appointed by the President in March and is Chaired/Headed by the Vice President. The committee's purpose is to provide guidance to the Board and handle changes to the League's Bylaws and Policy and Procedures as the Board makes decisions during its course of business that requires changes to such documents.

C. **INTERGOVERNMENTAL COMMITTEE:** This committee is appointed by the President in May to serve for one year. Its purpose is to maintain ongoing dialogue regarding concerns between the League and relevant entities such as the County, State and Federal Governments. This committee will recommend to the Board legislative issues for the League to endorse and to produce a list of legislative priority issues to be presented to the Brevard Legislative Delegation. The committee will draft proposed legislation for Board approved issues and work with the Florida League of Cities in conjunction with the FLC Advocacy Committee and Federal Action Strike Team for support of the SCLOC issues in Tallahassee and Washington. Membership consists of no more than one representative per League municipality. Meetings are scheduled as needed. Issues pursued by this committee must have prior Board approval. This committee is responsible for issues relating to County, State, and Federal governmental entities. This committee will recommend to the Board the person(s) to advocate the SCLOC issues in Tallahassee and Washington D.C. To accomplish this, the following schedule of activities applies:

1. **September 15**: Deadline for municipalities to submit their priority legislative issues.
2. **September 30**: Deadline for committee to send compiled list of all submitted issues to each municipality for its selection of the 10 issues it considers most important.
3. **October 31**: Deadline for municipalities to return their top 10 legislative issues from the compiled list.
4. **November**: At the November regular Board meeting, present a summary of the number of votes received for each issue on the compiled list, and recommend issue(s) for Board approval The Board will then approve one or two issues for League support during the upcoming regular session of the Florida Legislature.
5. **September - November:** Contingent on the start of the upcoming Florida Legislative session, Address the Brevard Legislative Delegation with the SCLOC's and FLC's top Legislative issues. Begin working with staff to draft appropriate Bill language.
6. **November:** At the regular Board meeting, prepare a position paper (on League letterhead) for each issue we are advocating on.

D. **ADVOCACY COMMITTEE:** shall be a subcommittee of the Intergovernmental Committee. The Advocacy Team shall be composed of one Primary member selected by each Brevard County Municipality. Each Brevard County Municipality may also submit one alternate member. The purpose of the Advocacy Team shall be to develop and maintain a positive working relationship with the members of the Brevard County Board of County Commissioners, State Legislators, and members of Congress. Individual members of the Advocacy Team shall regularly meet with those in a position to support the Legislative Priorities of the Space Coast League of Cities and the Florida League of Cities. Members, may travel to the Florida State Capital, Tallahassee, and to the Capitol of the United States, Washington D.C., to advocate for the League on selected issues pursuant to the Space Coast League of Cities Advocacy Team Travel Reimbursement Policy. The Advocacy Chair will have final authority concerning who travels, to which destinations, when, and budget expenditures and reimbursements as allocated to the Advocacy Committee.

E. **NOMINATING COMMITTEE:** This committee is appointed by the President in March. To ensure committee members have experience and knowledge of roles of the Executive Board Members, this committee shall consist of a majority of past presidents if possible and one member at large; no fewer than three (3) members. There shall be no municipality having more than one member. A minimum of one past president must serve on this committee, however if no past president wishes to serve then the current president will serve on this committee. The committee members will be appointed to serve for the current year and will present a slate of candidates to the SCLOC Board of Directors to vote for the Florida League of Cities Board of Directors in June, and to elect the SCLOC Officers for the following year in November

. *(NOTE: See "Committees" section in Bylaws for further requirements for this committee.)*

F. **SCHOLARSHIP COMMITTEE:** This committee is appointed by the President in March. This five (5) member committee recommends both the scholarship recipient(s) and alternate(s) for the Board's approval.
(NOTE: See "Scholarship" section in this document for further requirements for this committee).

G. **HOLIDAY PROGRAM COMMITTEE**: This committee is appointed by the President in September to plan a special holiday program for the December regular membership meeting.

2026 – 2027 INTERIM COMMITTEE MEETING SCHEDULE

November 2026 — Week of the 30th

January 2027 — Week of the 4th

January 2027 — Week of the 11th

February 2027 — Week of the 1st

February 2027 — Week of the 8th

February 2027 — Week of the 15th

2027 REGULAR SESSION DATES

August 7, 2026	Deadline for filing claim bills (Senate Rule 4.81(2))
March 2, 2027	Regular Session convenes (Article III, section 3(b), State Constitution) 12:00 noon, deadline for filing bills for introduction (Senate Rule 3.7(1))
April 17, 2027	Motion to reconsider made and considered the same day (Senate Rule 6.4(4)) All bills are immediately certified (Senate Rule 6.8)
April 20, 2027	50th day – Last day for regularly scheduled committee meetings (Senate Rule 2.9(2))
April 30, 2027	60th day – Last day of Regular Session (Article III, section 3(d), State Constitution)

CITY COUNCIL
City of Indian Harbour Beach, Florida
Tuesday, September 15, 2026

AGENDA ITEM

Catch and release fishing in Gleason Park Lake (discussion item)

Cost: TBD (cost of new signage)

Attachments: None

Staff Recommendation:

Background Information:

Currently, fishing is prohibited at Gleason Park lake, while allowed at the beach parks by signage (not prohibited in the City's Code of Ordinances). Deputy Mayor Dyer requests that the City adopt a policy, by resolution, to permit catch-and-release fishing in Gleason Park. This policy change would enable parents to teach their children to fish in a safe, secure environment.

Per the American Academy of Pediatrics, children aged 5 to 8 years old spend an average of 3 hours and 38 minutes per day on electronic devices, while children aged 8 to 12 years old spend an average of 5 hours and 33 minutes per day on electronic devices. This proposal would encourage children to spend time outdoors rather than be glued to their electronic devices while learning a potential lifelong hobby.

Public Works Director Scaldo has the following concerns regarding the proposal:

1. Electrical wires to the Fountains.
2. Damaging the Fountains themselves.
3. Damaging the erosion fabric around the retention pond.
4. Leaving cut fishing line and lures on the ground for people, kids, and other wildlife to get entangled in or hurt.
5. Using the boardwalk to fish and leaving smelly bait on the boardwalk for the birds to eat, and defecating on the boardwalk. (Health Issue)
6. Hooking other wildlife, like turtles and birds.

City Manager Coffey recommends that the City Council reach a consensus on any additional catch-and-release fishing parameters for Gleason Park Lake and direct staff to place an enabling resolution on the October 13, 2026, agenda for consideration.

AG