

INSIDE THIS ISSUE

President's Message

2021 Florida
Infrastructure Report
Card

Joint Society Fall
Social

EIGN Awards Recap

Palm Beach Branch
2021 Board

2021 Legislative
Breakfast

Holiday Toy Drive

Luncheon Recaps

Job Postings

Palm Beach Branch QUARTERLY

PRESIDENT'S MESSAGE:

Greetings Palm Beach ASCE Members!

We have made it through to the final month of 2021 and the New Year is quickly approaching. After a year of what felt like simultaneous change and stalemate, I am reminded of how adaptable we must be to thrive in an ever-changing and uncertain world. It's an exciting time to be one of those special individuals tasked with shaping our future through the built world.

During the last week of October, The Palm Beach Branch held our annual Engineers in Government Night. Here we were able to honor and award the engineers, organization, and project that make us all proud to be a part of this profession. It was uplifting to see so many of you there, supporting your colleagues and enjoying each other's company after much time apart. That night we also held our officer installations, officially passing the gavel over to the next group of Board members.

Before the year ends, I welcome you to join us on the morning of Tuesday, December 14th to hear from state legislators at the annual Legislative Breakfast ([You can register for free here](#)). We are also collecting toys and donations this year for Aid to Victims of Domestic Abuse ([more information here](#)). As a final reminder, please remember to renew your membership online at www.asce.org/membership.

On behalf of the Board, I am excited to lead us into the new year. We intend to return to monthly lunch meetings in person starting in January, as well as regular happy hours, site tours, and volunteer events. We will also be looking for ways to expand our reach into K-12 STEM education, through partnership with schools in Palm Beach County.

On this day and always, it's a great day to be a civil engineer!

Be sure you subscribe to our email list and follow us on LinkedIn and Facebook!

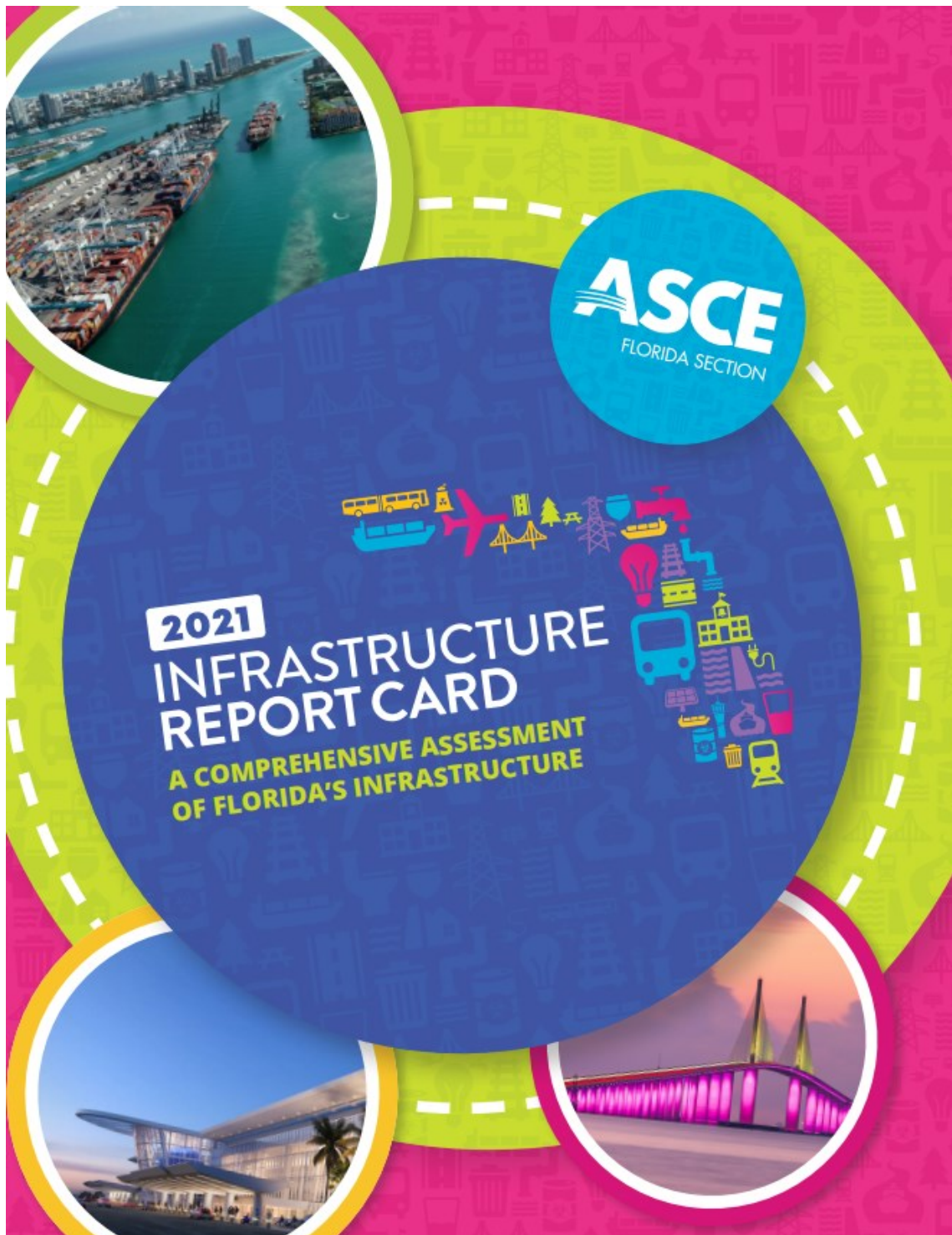
Marly Trier, P.E.
ASCE Palm Beach Branch President



FLORIDA SECTION INFRASTRUCTURE REPORT CARD

The 2021 Florida Infrastructure Report Card was prepared using ASCE's key criteria to provide a comprehensive assessment of the nation's 17 major infrastructure categories. A link to the 2021 Report Card may be found at this link:

<https://infrastructurereportcard.org/state-item/florida/>



JOINT SOCIETY FALL SOCIAL

ASCE, APWA, AWRA, and FES got together on September 16th at Mathews Brewery Co for a Joint Engineering Society Fall Social. A few highlights from the social are included below. Thanks to all who came out!



ENGINEERS IN GOVERNMENT NIGHT AWARDS

The Palm Beach Branch of ASCE held our annual Engineers in Government night in October to congratulate the following individuals. Jennifer Reynolds was the keynote speaker presenting on her history of Ecosystem and Restoration projects. Thank you to all who joined us!



Government
Engineer of the Year



Giles Rhoads, P.E.

Engineer
of the Year



Alan Gerwig, P.E.

Young Engineer
of the Year



Clecio De Sa, P.E.

Project
of the Year



Northwest
Cultural Trail

Employer
of the Year



Solid Waste
Authority



CONGRATULATIONS
EIGN 2021 Award Winners

2021 PALM BEACH BRANCH BOARD

The Palm Beach Branch held our board elections for Secretary and Treasurer. We are happy to welcome Justin Tagle as our 2021 Treasurer, and Kaitlin Townsend as our 2021 Secretary. Our new officers were installed at the Engineers in Government Night in October.



Pictured left to right: Kaitlin Townsend (Secretary), Justin Tagle (Treasurer), Marly Trier (President), Phoebe Cuevas Molina (Vice President), and Teresa Chapman (Past President).

2021 LEGISLATIVE BREAKFAST

Save the Date!

**Joint Professional Societies 2021
Legislative Breakfast**

Meet your local legislators, share your opinions, and learn what's in store for the 2022 Legislative Session (begins on January 11th, 2022)

Tuesday, December 14, 2021

7:00 AM to 10:00 AM

Double Tree by Hilton Hotel

4431 PGA Boulevard - Palm Beach Gardens, FL 33410
(NW corner of I-95 and PGA Boulevard)

Registration begins at 7:15 AM

Hot Breakfast Buffet begins at 7:30 AM

Program begins promptly at 8:00 AM

RSVPs due by 6:00 PM, Friday, December 10, 2021

Register electronically (preferred) at
[2021 Legislative Breakfast Registration](#)
or contact Seth Behn at sbehn@llw-law.com

**Include first & last name, agency or company name, professional designations(s), contact email and phone number*

**Free of charge to all members...
Thanks to our sponsors**

To become an event sponsor, click on [2021 Legislative Breakfast Sponsorship Application Form](#) or contact Seth Behn at sbehn@llw-law.com or 561-640-0820

The 2021 Joint Professional Societies Annual Legislative Breakfast was held on December 14, 2021 at the Doubletree Hotel in Palm Beach Gardens. Members were able to meet local legislators, share opinions, and learn about pressing matters for our industry.

2021 HOLIDAY TOY DRIVE

The Palm Beach Branch of ASCE held a toy drive to collect donations for Aid to Victims of Domestic Abuse, INC. (AVDA) which is a non-profit organization with a mission to promote violence-free relationships and social change by offering alternate choices to end violence and domestic abuse.



THE ASCE PALM BEACH BRANCH
IS ACCEPTING
TOY DONATIONS FOR AVDA

Aid to Victims of Domestic Abuse, INC. (AVDA) is a non-profit organization with a mission to promote violence-free relationships and social change by offering alternative choices to end violence and domestic abuse.

**OUR DONATIONS WILL PROVIDE GIFTS FOR FAMILIES TO
"SHOP" IN THEIR ANNUAL HOLIDAY "STORE" - AT NO COST.**



Holiday Wish List
New, Unwrapped Toys
(no violent toys or books please)
Gift Cards (see below)

Suggested Vendors: Hot Topic, Urban Outfitters, Forever 21, Box Lunch, Barnes and Noble, Sephora, Ulta Beauty, Foot locker, Claire's, Game Stop, Francesca's, Van's, H&M, Lulu's, Old Navy, Target, Bath and Body Works, Walmart, Ross, Marshalls, Xbox, Playstation, TJ Maxx, Amazon, Best Buy, Dick's Sporting Goods

THANK YOU FOR YOUR GENEROSITY!

Suggested Values: \$25 - \$100

More information: 561-265-3797



If you or your organization would like to participate, we are accepting new unwrapped toys (no weapons or violence) and/or gift cards by **December 15th**. Donations can be brought to West Palm Beach Kimley-Horn Office (see address below) or we can pick them up at your office.

Point of Contact:
Kaitlin Townsend — kaitlin.townsend@kimley-horn.com - (561) 601-5851
Paula Fonseca - Paula.Fonseca@FLTechinc.com - (954) 806-7392
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

Thank you to all who donated!

SOLID WASTE AUTHORITY

PLANNING FOR THE FUTURE

The presentation provided a brief overview of SWA's role in managing solid waste within Palm Beach County. The presentation focused on SWA's facilities, operational aspects, and looked into the 2021 Master Plan. The Master Plan takes into consideration the capacity planning for building future facilities to meet the solid waste management needs of Palm Beach County, technical considerations, financial aspects, siting options, permitting, and other issues.



Ramana Kari. P.E., BCEE

Ramana Kari. P.E., BCEE is the Chief Engineer of the Authority, and has been serving in that capacity since 2013. He is responsible for administering the operating contracts for Renewable Energy Facilities No. 1 & 2, Biosolids Processing Facility, the Recovered Materials Processing Facility, environmental compliance of all Authority facilities, public affairs, and recycling. He is also responsible for the design, permitting, construction of the Authority's facilities and infrastructure and manages a budget of \$101 Million (FY 2021).

Mr. Kari is a licensed Professional Engineer in the State of Florida and is a Board Certified Environmental Engineer (Solid Waste specialty). He holds a Bachelor's and a Master's degree in Civil Engineering and an MBA in International Business.

Mr. Kari is an active member of the American Society of Civil Engineers (ASCE), Solid Waste Association of North America (SWANA), Florida Engineering Society (FES) and served on the board of the American Public Works Association (APWA) Gold Coast, Florida Chapter. In 2012, Mr. Kari was named the ASCE Engineer of the Year-Palm Beach Chapter.

Prior to joining the Authority, Mr. Kari was a consultant for 20 years with 3 different leading civil & environmental engineering firms managing various solid waste management and civil/environmental engineering projects for public and private clients.



SUSTAINABLY RESILIENT STORMWATER MANAGEMENT

The presentation explored sustainable measures for stormwater management to develop more resilient solutions in the face of changing future conditions. Green infrastructure and low impact development principals were discussed as well as the impacts of sea level rise in coastal areas.

Nutrient Impacts In Today's Water Environment

Geosyntec[®]
consultants



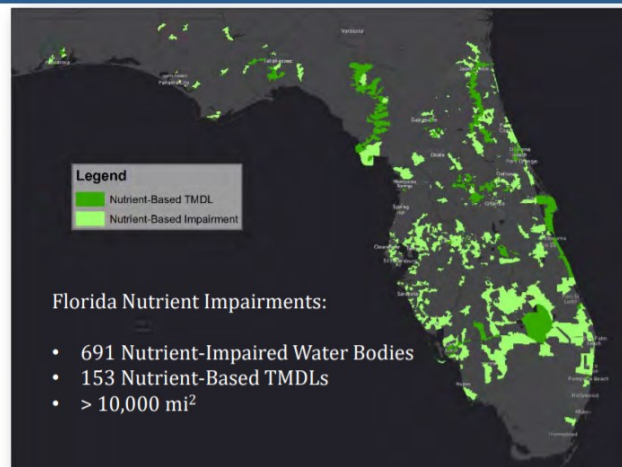
Washington Times.
http://www.washingtontimes.com/multimedia/image/ap_lake_okeechobeepeg/



The Verge. <http://www.theverge.com/2016/7/1/12085200/south-florida-algae-fourth-of-july-emergency>

Nutrient Impacts In Today's Water Environment

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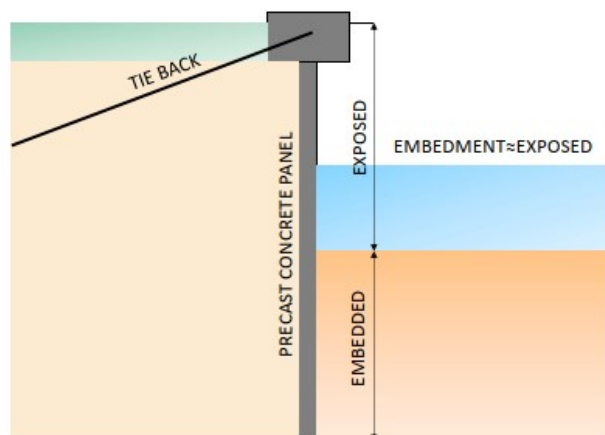
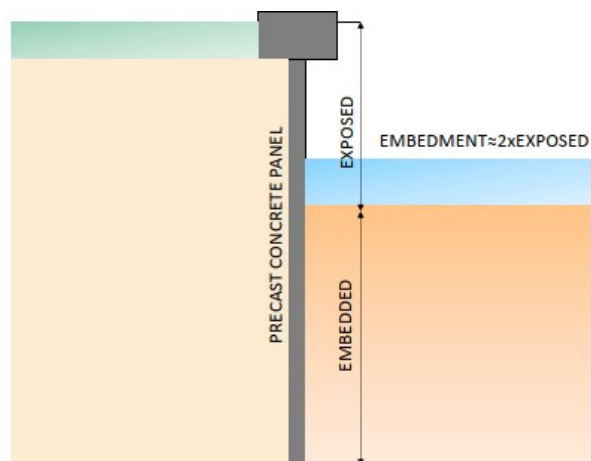
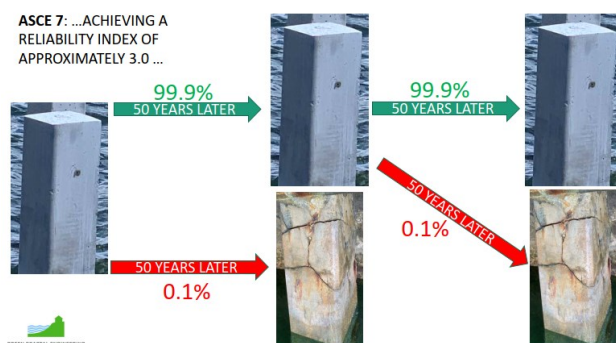
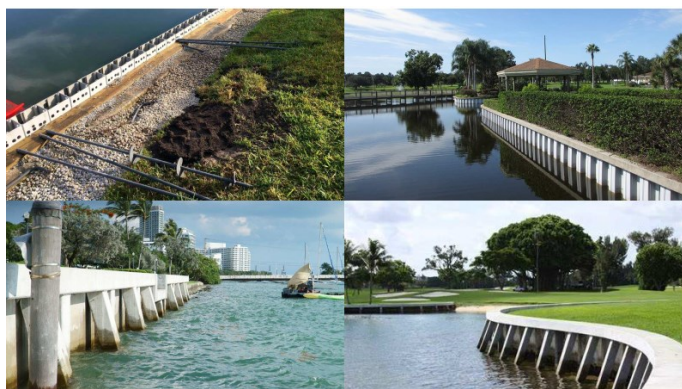
Mark Ellard, P.E., CFM, D.WRE, ENV SP

Mark Ellard is a Senior Principal Engineer in Geosyntec Consultant's Orlando office. Mark has nearly 30 years' experience in the fields of civil and environmental engineering including watershed management plans, stormwater master plans, water quality evaluations, green infrastructure, resiliency, stormwater retrofits, NPDES, and TMDL support.



HOW TO BUILD MORE DURABLE COASTAL STRUCTURES

The presentation discussed the available solutions to design and how to build more durable coastal structures such as seawalls, docks, and piers. The presentation covered the latest technologies in the field of non-corrosive concrete reinforcing rebars and some overlooked design concepts in the structural design of coastal concrete structures.



Hany Jawahery, PhD, P.E.

Dr. Jawahery is the founding Principal of Green Coastal Engineering. He has been practicing Structural Engineering for more than 20 years in Miami and New York City; as well as his native country, Iran. His design experience includes more than 10 million square feet of concrete and steel structures. Dr. Jawahery received his Doctorate Degree in structural engineering from the University of Miami and is a licensed engineer in the state of Florida and California.



YOUNG MEMBER LEADERS PRESENTATIONS

Previous Presenters:

In June 2021, Courtney Marshall presented Pivot Table Basics in Excel. The presentation addressed when to use pivot tables, how to create them, adding data from multiple sources, fields, formulas, charts, troubleshooting and more! It also included an example to show how to use pivot tables in a real engineering format.

We are always looking for young professionals to present!



We are looking for presenters for our future Young Member Leaders Presentation Series! Interested in presenting?

Contact Cristina Caceres at Cristina.Caceres@kimley-horn.com or Nick Bragaia at Nick.Bragaia@ghd.com

IS YOUR COMPANY HIRING?

**Post your open positions on the
ASCE website and newsletter!**

**Cost: \$50 per job posting, free for
municipalities. Please make checks
payable to 'ASCE Palm Beach Branch'**

**Contact Marly Trier at
Marlena.Trier@jacobs.com for more information**

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Please verify/update your
mailing/email
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**ASCE National
Headquarters**

at

1-800-548-2723 (ASCE)

or

[http://www.asce.org/
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