

HURRICANE IRNA PREPARATION RESPONSE RECOVERY

UPDATE ON SAVE OUR INDIAN RIVER LAGOON EFFORTS





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As Brevard County's exclusive provider of non-emergency ambulance services, Coastal Health Systems makes important connections every day for the citizens of our community. For 29 years, our staff of trained professionals has safely transported hundreds of thousands of patients to and from various healthcare providers here in Brevard County and across our state and nation. Every day of every year, Coastal is on duty and playing a key role in Brevard's medical transportation system.

Accreditation Matters.

Since receiving initial accreditation by the Commission on Accreditation of Ambulance Services (CAAS) in 2006, it remains Coastal's goal to maintain the highest level of professional excellence. In 2015 Coastal was awarded its fourth national accreditation as one of only fifteen CAAS accredited ambulances services in Florida to achieve this distinction, considered to be the gold standard in the ambulance industry. In 2017 Coastal will begin preparing for its fifth re-accreditation cycle. While difficult to meet, the standards that must be met for this accreditation demonstrate Coastal's steadfast dedication to the community and its partners in quality.



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FRANK ABBATE NAMED COUNTY MANAGER



Frank Abbate County Manager



John Denninghoff Assistant County Manager

The Brevard County Board of County Commissioners voted unanimously to name Frank Abbate as the new County Manager during its July 25 board meeting. Before moving into resolutions, board Chairman Curt Smith entertained a motion to select Abbate as County Manager and take the "Interim" off that title. It was moved by Dist. 5 Commissioner Kristine Isnardi, and seconded by Dist. 2 Commissioner Jim Barfield. "I'm excited to make this motion. I'm confident he will do a wonderful job," Isnardi said.

Abbate expressed appreciation to the board for their confidence and support, and to County staff. "I'm grateful for the opportunity to move forward in this role thanks primarily to the great staff that we have to work with. I've had a great opportunity to work with them for a number of years and see their professional development and bringing people from inside the organization to a better place. I think we can do a tremendous job for the board, the community and the organization moving forward." Abbate has been with Brevard County Government for 28 years and previously served as the director of Human Resources. Abbate also served as Interim County Manager during an eight month period in 2009.

In August, the Commission voted 5-0 to name former Public Works Director John Denninghoff as Assistant County Manager. Denninghoff, who served as Assistant County Manager since May, has been with Brevard County Government since 1996. He was Public Works Director from September 2008 to May 2017. Denninghoff oversees the County's Development and Environmental Services Group, which includes Natural Resources Management, Planning and Development, Public Works, Solid Waste, Utility Services and Valkaria Airport.

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On The Cover Brevard County suffered millions of dollars in damage from Hurricane Irma, but County staff played significant roles in keeping residents prepared and safe prior to and during the storm, and in the ongoing recovery afterward.

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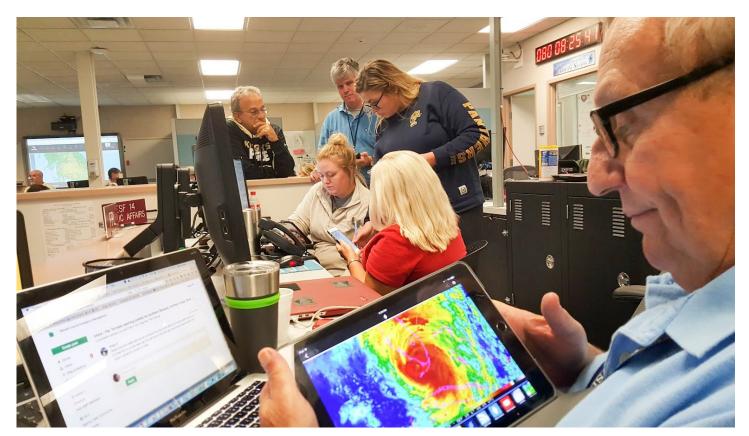


Brevard Delivers will be available quarterly online at: www.brevardfl.gov/BrevardDelivers

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HURRICANE RNA Brevard County Employees Help Shelter Residents

County Government employees were on the front line as Hurricane Irma barreled through Brevard County, packing strong and sustained tropical storm force winds and hurricane gusts, and dumping more than 15 inches of rain in a 12-hour period.

More than 1,500 County employees were involved in the pre-storm preparation, response and recovery efforts for Irma. Many were activated in Emergency Support Function roles at the Emergency Operations Center in Rockledge, others staffed the 21 storm shelters the County opened for evacuees, and others were stationed at consolidated and relocated fire stations, four different wastewater treatment plants and Road & Bridge facilities to quickly respond in the wake of a hurricane that impacted every square mile of the county.

The EOC activation included not just County

employees, but Commissioners and their staffs, representatives from the Florida Department of Health in Brevard County, Brevard County Sheriff's Office, area faith-based and charitable organizations like United Way, 2-1-1 Brevard and Volunteer Organizations Active in Disaster, the Salvation Army and American Red Cross, and local liaisons for Florida Highway Patrol, FDOT, Patrick Air Force Base, Florida Fish and Wildlife Commission and more.

These employees and volunteers worked through the storm event and provided essential



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"Shout out to Brevard EOC for outstanding communications during Hurricane Irma and after."

Posted on Twitter

Brevard County Government employee shelter workers pose for group pictures at Ralph Williams Elementary (top) and Quest Elementary. (bottom)

services prior, during and after Irma continued its trek to the north, and their efforts did not go unnoticed:

"In such a difficult situation you all supported others first," was one review submitted on a hand-written letter at the Viera Regional Community Center

"Chris" and his miniature Schnauzer found more than just safe haven at Ted Whitlock Community Center: "From the minute I arrived until the time I went home I saw so many acts of commitment and compassion. The entire operation was so well run I could not help but marvel at the forethought that must have gone into the planning of a pet friendly shelter."

"Shout out to Brevard EOC for outstanding communications during Hurricane Irma and after," was among the hundreds of complimentary comments posted on Twitter.

And on Facebook, still more: "Great source of constantly updating pertinent information

during Hurricane Irma and after. Dispelled rumors and helped keep the community calm under stressful situations. Thank you for your tireless work."

County Manager Frank Abbate commended County employees for their dedication, hard work and for the professionalism shown through a challenging period.

"This was a collective effort that not only reflected the sacrifices our employees will make for their community, but also the great relationships our County has forged with emergency response agencies, the state, cities and their leadership, and with other organizations who all worked together with a single purpose in mind: The safety and wellbeing of our residents," Abbate said.

Brevard Board of County Commissioners Chairman Curt Smith, who had his first experience at the EOC during a hurricane activation, also weighed in with a glowing critique: "I was thoroughly impressed continued on pg. 10



Parks and Recreation Assistant Director Hector Lopez and Parks Support Services Manager Larry Wojciechowski outside the Emergency Operations Center in Rockledge.

"

It takes a cooperative effort from a lot of people and agencies to coordinate the response to a large-scale emergency like a hurricane."

> Kimberly Prosser, Emergency Management Director

with everyone in the room, and with the dedication and professionalism exhibited." Smith also recognized the sacrifice that employees made by working through the storm while leaving their own families to weather the event on their own.

Hurricane Irma moved into Brevard County late morning on Sept. 10. The 15 inches of rain was more than half as much rain in a 12-hour period, than Tropical Storm Fay's 27 inches in a 72-hour period in 2008.

Based on initial damage assessments,



FEMA has already notified Brevard County Emergency Management that the county qualifies for Individual Assistance. That means homeowners, renters and business owners may qualify for federal disaster assistance for uninsured and underinsured damages and losses resulting from Hurricane Irma.

There's much more work to be done, however, especially in terms of recovery. Homes were destroyed or damaged by a confirmed six tornadoes; hundreds of homes were flooded or water damaged; and thousands of residents were left without power or water service, or both. The recovery from Irma will take months and require a multi-faceted and coordinated effort among many emergency response agencies.

"It takes a cooperative effort from a lot of people and agencies to coordinate the response to a large-scale emergency like a hurricane," said Emergency Management Director Kimberly Prosser. "It is a complex undertaking, and touches the community on many different levels."



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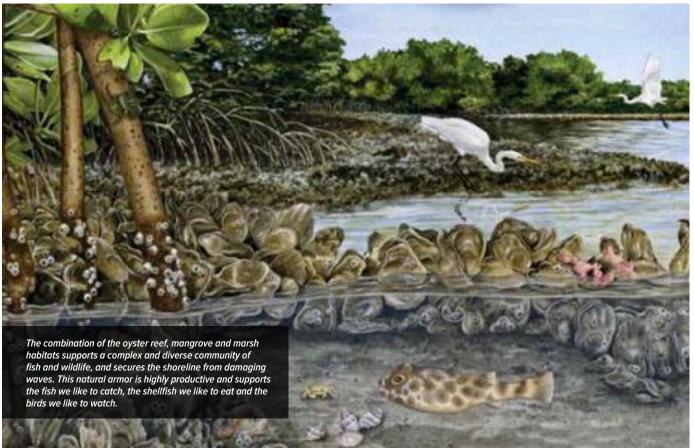
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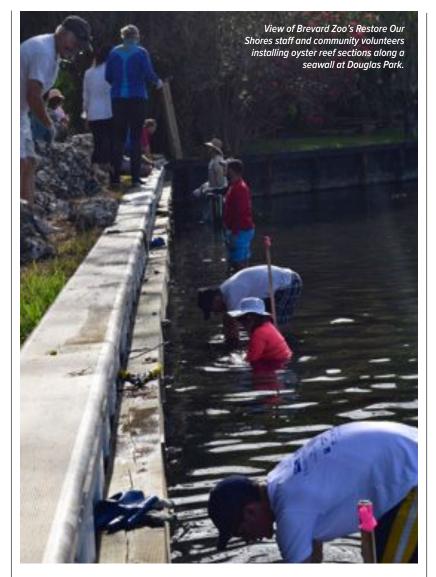
DESIGNED TO IMPROVE THE HEALTH OF OUR INDIAN RIVER LAGOON

Brevard County Government, in partnership with Brevard Zoo, Eastminster Presbyterian Church of Indialantic, Florida Institute of Technology, and the Town of Indialantic are working together to create a Living Shoreline Demonstration Site on three adjacent properties in Indialantic.

The term "living shoreline" refers to the use of vegetation, oyster reefs, and other organic features to control erosion and reduce wave energy in place of the traditional hardened nonliving structures such as seawalls, bulkheads, rip raps, and rock revetments. Living shorelines have additional benefits over hardened structures because they can accrete sediment, improve water quality, and provide habitat for many local species. During high energy storms, like hurricanes, living shorelines have shown better performance and incurred less damage when compared to their hardened shoreline counterparts.

The Living Shoreline Demonstration Site project, launched by the Brevard Zoo's Restore Our Shores program, will showcase living shoreline designs on three parcels with current shoreline conditions representative of many parcels along the Indian River Lagoon throughout Brevard County (e.g. natural shoreline, armored shoreline- rock revetment, armored shoreline- seawall). Designs will incorporate a combina-

THIRD QUARTER • 2017



tion of oyster reefs, salt marsh grasses, or mangroves to demonstrate specific "living shoreline" options suitable for these three shoreline conditions to local waterfront property owners. Ultimately, the project's design concepts will show local citizens a variety of in-water and shoreline stabilization techniques that also provide an ecological benefit, becoming a prototype for waterfront property owners to implement along their shorelines.

The installed living shorelines will enhance 525 linear feet of shoreline along parcels owned by Eastminster Presbyterian Church and the Town of Indialantic. Two parcels are located immediately north of the 192 Causeway (Riverside Park and Eastminster Property) and one parcel is immediately south of the causeway (Douglas Park).

This multi-faceted demonstration project was made possible through a Florida Department of Economic Opportunity (FDEO) grant, cost-share funding from the St. Johns River Water Management District (SJRWMD), and oyster gardening funds provided by Brevard County, as well as through many hours of hands-on restoration efforts contributed by Oyster Gardeners and many more community volunteers working to improve the health of the Indian River Lagoon.



Brevard County Government, in partnership with Brevard Zoo, Eastminster Presbyterian Church of Indialantic, Florida Institute of Technology, and the Town of Indialantic are working together to create a Living Shoreline Demonstration Site on three adjacent properties in Indialantic.



View of newly installed native vegetation at the Eastminster shoreline. Rock revetment is more effective when partnered with native coastal marsh plants and an oyster reef breakwater. The plants and oyster shells provide habitat and food for marine life such as red drum, flounder, blue crab and shorebirds and help slow erosion of the rip-rap barrier.



View of low-profile, under water oyster reef sections installed at the Riverside Park shoreline. Oyster reefs absorb wave energy, improve water quality and provide shallow-water habitat for many marine animals, including young fish and crabs that serve as food for other animals.

PLANNING & DEVELOPMENT ONLINE PERMITTING

Brevard Advanced Service Site (BASS)

Code Enforcement and Contractor Licensing Enforcement records are being made available to the public using Brevard's Advanced Service Site (BASS) www.brevardFL.gov/BASS. Beginning in September 2017, citizens will be able to search Brevard County Code Enforcement's Complaints and Cases, and Contractor Licensing's Citations and Cases. The general public will be able to view records details, track status and view documents associated with code complaints and cases, and licensing complaints and citations issued against unlicensed contractors.

Unlicensed contracting may subject the consumer to harm and the property owner to many risk factors such as shoddy workmanship, no recourse should damage occur

on property, double or triple costs when having to hire a licensed contractor to make the corrections.

Within Code Enforcement this service is expected to reduce the number of Property Search Requests, since title companies will have direct access to view any outstanding code issues. Property Search Requests will only be necessary for code cases with status other than Closed, Completed or Void.

PLANNING & DEVELOPMENT NEW MOBILE APP

Code Enforcement Officers will gain efficiencies in the field

Beginning in September 2017, Code Enforcement Officers will work more efficiently in the field with a mobile app. Accela Code Officer integrated Accela Automation will enable Officers to view case locations on a map, view assigned cases, make updates, search cases and inspections, add them to a list, and save searches for easy access. This will lessen the dependency of the officer returning to the office to perform these functions thereby spending more time in the field. Code Officer app interfaces with the Inspector app that was previously rolled out to Building Inspectors, which saves an hour per person per day.



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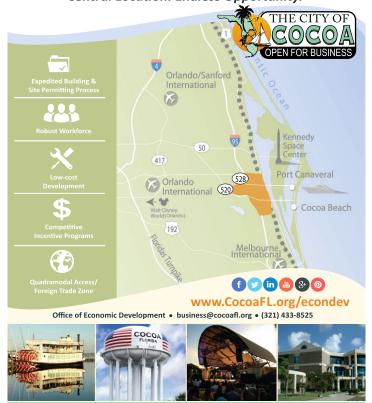
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NATURAL RESOURCES JOINS BREVARD ROCKS



Brevard Rocks!

Natural Resources joined the Brevard Rocks! craze and created little works of art to hide around the county. Nature, space, and glitter were popular subjects. Look for these miniature masterpieces when you visit the Ritch Grissom Memorial Wetlands, the beach, and who knows where else!





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CONSTRUCTION YOU CAN TRUST 1038 Harvin Way, Suite 120, Rockledge, FL 32955 ~ 321.632.7660 www.wjconstruction.com PLANNING & DEVELOPMENT ONLINE PERMITTING

Lean Six Sigma Initiatives targeted by Brevard County Government



Brevard County Government utilizes Lean Six Sigma, a business methodology that incorporates collaborative team efforts to improve performance, to weed out waste

and inefficiencies in day-to-day processes, thereby improving delivery of services and responses to our citizens and customers.

- Agenda Development Process: to significantly reduce the amount of paper, time and staff resources expended during the Agenda Development Process: 86% complete.
- Agricultural Exemption/Classification Process: to document and simplify the steps necessary in obtaining an agricultural exemption and/or classification, and to reduce waste within the process: 34% complete.
- Fire Rescue Fleet Service Project: to evaluate the effectiveness and efficiency of Fire Rescue Fleet Services focusing on the preventive maintenance process: 43% complete.
- Central Services Contract Process: to eliminate waste and inefficiency in the competitive procurement contract process by identifying gaps and implementing controls to improve the average process lead time: 28% complete.
- Countywide Purchasing Process: to reduce the time it takes to receive goods or services, improve communication of requisition status and reduce the demands both fiscal and those placed on the department/office: 18% complete.
- Grant Management Process: to develop an improvement process that defines how grants are identified, tracked, reimbursed and managed, to include their impact on the County's cash flow: 55% complete.
- Community Supervision Process: to improve the success of the Community Supervision Program: 86% complete.
- Development Application Process: to reduce the average process lead time for Development Applications. Prior to the improvement process it was taking 117 days from application intake to approval. Once improvements were implemented it now takes an average of 58 day from application intake to approval. That is a 50% improvement in the process: 94% complete.

- Homeowner Construction Process: to reduce the number of homeowner rehabilitation projects with cost overruns by 25% and for projects with costs overrun, reduce the average percentage of the costs overrun per project: 62% complete.
- Human Resources Hiring Process: to improve the hiring process from the creation of the department/office vacancy to the job announcement: **70% complete.**
- Intake Process: to examine building permit applications received as part of a permit application package to establish quality control methods to increase consistency and reduce the acceptance of sub-standard documents at time of application: 39% complete.
- Library Financial Process: to develop efficient methods to process the Library Services Department purchasing card purchases. 8% complete.
- Parks and Recreation Registration Process: to provide a standardized camp registration process for internal and external customers. 85% complete.
- Parks and Recreation Facility Registration Process: to standardize rental process for internal and external customers in accordance with department directives.
 12% complete.
- Paystub Process Optimization: to find a solution to timely and inexpensively deliver paystubs to employees: There will be approximately a \$30,000 saving to the County once implemented: 78% complete.
- PW-HE Fleet Inventory and Work Order Process: to reduce the risk of a single failure point by examining all aspects of the risk associated with the heavy equipment parts inventory and work order process: 60% complete.
- Shelter Worker Program: to identify enhancements to the current program; examine the feasibility of expanding to general population and pet-friendly facilities and develop a comprehensive training program that ensures all involved are successful in their emergency duties: 95% complete.
- Site Construction Process: to reduce average process lead time for the Site Construction process: 85% complete.
- Watershed Project Monitoring Assessment: to define the water quality (nutrients) monitoring process for a typical "one inflow, one outflow" stormwater pond system: 40% complete.

RIDE WITH JIM Transit Events



Space Coast Area Transit recently concluded its inaugural RIDE WITH JIM quarterly transit event in Titusville on August 30th. RIDE WITH JIM provides the general public and transit advocates an opportunity to share coffee & conversation with those who help shape Brevard County's Transit System. Some pre-registered riders may be experiencing transit for the first time, while others will enjoy having the opportunity to meet in an informal setting to suggest transit improvements or ask questions. Event organizers state that one of the goals of RIDE WITH JIM is to actively seek out increased transparency in the planning of transit's future in Brevard County.

Co-sponsored by Bagel 13, the morning event begins with a bus picking up registered riders at a select bus stop and driving them to a nearby Bagel 13. Over coffee and a bagel, participants have the opportunity chat about transit with Interim Assistant County Manager Jim Liesenfelt. "Our transit system impacts the lives of many individuals in our community. I guarantee you that even someone who doesn't use transit relies on someone who does," stated Liesenfelt. "The RIDE WITH JIM events are designed to help us build stronger community relationships and receive input from our citizens, all while in a casual



and comfortable environment. I like to think of it as an open house on wheels," he said.

The President of the Titusville Chamber of Commerce, Marcia Gaedcke, said she was "inspired" after attending the first RIDE WITH JIM event. "There was just really great conversation," Gaedcke said. "I wanted a better understanding of how Rails to Trails could collaborate with our local transit system and the RIDE WITH JIM event was an awesome way to connect. Our Chamber realizes that building relationships and maintaining open lines of communication are important factors in Brevard County's success. As we continue to grow, improving the connectivity and diversity of transportation options are a huge part of our future."



The next RIDE WITH JIM event will take place in Cocoa Beach on November 1, 2017.

- No cost for this event
- Seating is limited
- Pre-register online at 321Transit.com/RideWithJim or call 321-635-7815 ext. 201 for registration assistance.

COUNTY PROJECTS ONGOING

UTILITY SERVICES CONSTRUCTION PROJECTS

North Courtenay Parkway **Utilities Extension**

The construction project to extend a sewer force main and a reclaimed water main on North Courtenay Parkway is underway. The work started just north of Hall Road, with the primary sections of piping being installed on the west side of the road. These pictures show the start of the reclaimed water main work, with the pipe wrapped in a lavender plastic sheeting to denote reclaimed water.

South Central Regional **WWTF Expansion**

Work continues on schedule to build a 6.0 million gallon per day (MGD) addition to the South Central Regional Wastewater Treatment Facility, located at the end of Wickham Road. There are many structures being constructed at the same time as shown in these aerial photographs provided by the contractor, Adams Robinson Enterprises, Inc.

Photo Courtesy of QLH, A Mead & Hunt Company



North Courtenay Parkway Utilities Extension



South Central WWTF Expansion

UTILITY SERVICES REPLACEMENT PROJECTS

Lift Station S-9 Replacement

The new wet well is installed and the contractor has started the work to install the designed sewer manholes and gravity sewer piping for Lift Station S-9. Located on Jamaica Boulevard in Satellite Beach, the new lift station will allow the old one to be taken out of service and converted to a large manhole. Besides moving the lift station further away from the intersection of Desoto Parkway, this replacement was needed to solve the problems with a facility that was no longer reliable.

Lift Station S-15 Replacement

The work to replace Lift Station S-15 is nearly complete. To eliminate the old, failing lift station in the parking lot of the Zon Luxury Assisted Living facility, the new pump station was constructed on the south side of Banana River Drive, on the property of the Oars & Paddles Park in Indian Harbour Beach.





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PARKS & RECREATION SOUTH AREA PARKS

Coconut Point Improvements

Park roof replacement Cost: \$13,875 Funding: Beach and Riverfront Grant

- Toilet partition and countertop replacement Cost: \$4,000 Funding: Beach and Riverfront Grant
- Re-siding and painting Cost: \$2,000 Funding: Beach and Riverfront Grant

Barringer's Crossover

North and South re-decking and composite handrail cap Cost: \$2,000 Funding: Parks and Recreation General Fund Maintenance

Majestic Shores

Cost: \$1,900 Funding: Parks and Recreation General Fund Maintenance

Funding: Parks and Recreation General Fund Maintenance

Viera Regional Community Center

Repainting Cost: \$7,100 Funding: Parks and Recreation General Fund Maintenance



Suntree Rotary Park

■ Repainting of large pavilion Cost: \$27,400 Funding: Parks and Recreation General Fund Maintenance

New Wickham Park Large Pavilion

■ Ongoing construction Cost: \$2,020,267 Funding: Referendum

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COUNTY PROJECTS **ONGOING**

PUBLIC WORKS SIDEWALK CONSTRUCTION

Dairy Road Sidewalk

This project will construct a concrete sidewalk along Dairy Road from Old Dixie Highway to just west of US1 in Titusville. The design of this project is completed. Pending contract award to the lowest qualified bidder, it is anticipated that construction will commence in Fall 2017. The pedestrian corridor will be constructed on both sides of Dairy Road, with 8' wide sidewalk along the south side and a 10' wide sidewalk on the north. The terminus, just west of US1, will provide sidewalk connectivity to the Chain of Lakes Park and the Florida East Coast Regional Rail Trail.



N. Carpenter Road Sidewalk

This project consists of a 6' wide concrete sidewalk along N. Carpenter Road from Arrow Court to south of SR 46 in the north Brevard communities of Titusville and Mims. This sidewalk is currently in the design phase. It is anticipated to be constructed in the next fiscal year utilizing Transportation Impact Fee funds.

S. Tropical Trail Sidewalk

This project consists of a 6' wide concrete sidewalk along Tropical Trail (west side) from Marlin Drive to Wintamer Way (approximately 3900 LF) in Merritt Island. The proposed sidewalk will only be constructed within existing public right-of-way or within easements that will be voluntarily provided by adjacent property owners. This project is currently in the design phase with the 90% plans to be submitted soon.



Aurora Road Sidewalk

The design of this sidewalk is complete. Staff is working to acquire the necessary permanent and temporary easements from adjacent property owners. Upon successful right-of-way acquisition, it is anticipated that this project will progress to the construction phase in the next fiscal year.

Sheridan Road Pedway

This project consists of the construction of a concrete sidewalk along the south side of Sheridan Road from John Rodes Boulevard to Sylan Drive West located in West Melbourne. The design of this sidewalk project is completed, and the Preconstruction Conference was held on June 21, 2017. The County issued the Notice to Proceed to commence construction on July 10, 2017. It is anticipated that the sidewalk construction will be completed June 2018.

Wendy Lee Drive Sidewalk

This project consists of the construction of a concrete sidewalk along Wendy Lee Drive near Imperial Estates Elementary School to Little League Way at Sisson Road (approximately 1650 LF) in Titusville. The project will be constructed by Public Works R&B Construction and will commence in June 2017. It is anticipated that construction will be completed in early August 2017. Transportation Impact Fees funded this sidewalk project.

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By recycling properly you help items get to their next best use, which reduces greenhouse gas emissions and preserves natural resources. However, recycling is only effective when the items

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Recycle all empty plastic bottles, cans, paper and cardboard.





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Trash in the recycling makes the items dirty and non-recyclable.

We ask you to ensure your recycling carts are filled with only

acceptable recyclable items. Remember to follow these

No loose plastic bags or bagged recyclables.

Know the myths of recycling and become an expert.



MTYH: The recycling arrows on a container means it is recyclable at a recycling facility.

ANSWER: False

Manufactures strive to get eco-friendly information on their product labels. However, the recycling arrow is not a reliable indicator of whether something is recyclable. Just because an item is made from plastic, or contains plastic parts, doesn't mean recycling facilities can handle it. **The best way to recycle plastics is by shape: bottles, jars, jugs and tubs.**



MTYH: Containers must be squeaky clean in order to be recycled.

ANSWER: False

While all bottles, cans and containers should be clean, dry and free of most food waste before you place them in your recycling cart – they do not need to be spotless. Try using a spatula to scrape cans and jars, or using a small amount of water and shake to remove most residue.



MTYH: It doesn't matter if something belongs in the recycling cart, Waste Management will sort everything anyway.

ANSWER: False

There are increasing amounts of non-recyclables sent to the recycling facility, and every single one of them must be removed by hand by trained staff and/or mechanically sorted, or they end up contaminating high value recyclables. The right thing to do is put all the right recyclables – bottles, cans, paper and cardboard – in your recycling cart and non-recyclables in your garbage cart.

RECYCLE OFTEN RECYCLE RIGHT.

Go to RecycleOftenRecycleRight.com

to learn more and make the promise to recycle right. Thank you for helping make a difference!

KEEP THE DIRTY DOZEN OUT OF YOUR RECYCLING CART.















FOOD SOILED PIZZA BOXES

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6

EMERGENCY MANAGEMENT **PATHWAYS TO PREPAREDNESS**

Hurricane Season has arrived, and Emergency Management and Communications/SCGTV have embarked on a social media blitz to ensure residents and visitors are prepared. The effort also includes coordination and input from a Public Information Network that includes communications and public information officers from various municipalities, government agencies and non-governmental organizations that are helping spread the word by sharing these posts on Twitter and Facebook, with the common goal of speaking with one voice. The #PathwaystoPreparedness campaign addresses both general preparedness tips as well as Brevardspecific information.



#PathwaystoPreparedness

DOINEED SANDBAGS?

- Sandbags are available year-round at the Sheriff's Farm, 2955 Pluckebaum Road,
- If your property has a history of flooding or standing water from significant rain events, sandbags may help protect your home.
- Sandbags do not provide a water-tight seal, but can reduce debris flow.
- floodwaters may be contaminated and should be disposed of carefully.



6

STORM PREP

- Public Works crews work on clearing
 - this can cause flooding.
- Brevard County and its cities monitor flood-prone areas and utilize pumps to keep water moving freely during storm
- To report a drainage issue, please call your city's Public Works Department.



revard



homes to be anchored. Ensure that tie-downs are secure. especially on older mobile homes or ones that have been moved.



1



• If your medical equipment requires

shelter, you should register at

Needs/Registration.aspx.

electricity, you have serious health

issues, and/or you have a caregiver,

SPECIAL NEEDS









IN OTHER EMERGENCY MANAGEMENT NEWS:

\$1.5 million was allocated to Brevard County in the 2017-18 State budget for the design and permitting of a new EOC. The Board of County Commissioners authorized the issuing of a Request For Qualifications to determine the interest from architectural/engineering/design firms, and responses are being received. In August, commissioners selected Rockledge as the site for the new EOC. The top three choices included property just east of Viera Government Center, a site adjacent to the current EOC in Rockledge, and property at the Viera wastewater treatment plant. All sites are either owned by or leased to the County.

Emergency Management worked with Fire Rescue, Cape Canaveral Air Force Station Emergency Management, and Kennedy Space Center Emergency Management to update procedures for EOC activations, district chief deployment, and launch-day activities. As KSC/CCAFS-area launches have steadily increased in frequency, and are projected to triple in the next few years, in addition to encompassing new launch vehicles, a streamlined process is critical to ensure public safety.

Hurricane drills for individual Emergency Support Functions were held at the Emergency Operations Center, with discussion of lessons learned from Hurricane Matthew and implementation of various changes to assist departments, agencies and municipalities in informationsharing and coordination. During the next tropical cyclone EOC activation, additional conference calls will be held daily with targeted groups, information regarding water system isolation will be shared earlier, and more agencies/ municipalities will assign representatives to the EOC. In addition, to eliminate confusion about which shelters are open, the list of all potential shelters has been removed from the website and printed materials. When the shelters that will be open in response to an incident are determined, the list will be made available on the website, via social media, to the news media, and to 2-1-1.

Emergency Management made presentations to the Cocoa Beach City Commission on the need for an 800 MHz public safety radio tower in their city to provide better radio signal coverage for law enforcement, firefighters, lifeguards and other first responders in the central/ north area of the barrier islands. The City and County Commissions approved an interlocal agreement to address the construction, maintenance and management of the tower and its equipment, and construction is expected to begin within the next few months. A Hurricane Matthew follow-up meeting was hosted by Emergency Management, with representatives from County departments, local municipalities, FEMA, Florida Division of Emergency Management, Florida Department of Environmental Protection, and Florida Wildlife Conservation Commission in attendance. Concerns about the lack of project worksheets being completed, the number of times that information needs to be resubmitted to different personnel, and the potential for lengthy delay in financial reimbursement was addressed by the State and Federal agencies.

In the event that Brevard County is impacted by a disaster, the County has established the Brevard Emergency Support Team (BEST) program, which would provide County Government staff support as needed in the operation of emergency shelters. Training is underway to provide participants with the knowledge and skills necessary to successfully perform the duties of a shelter worker and shelter manager and serve the community's most vulnerable residents and visitors during emergencies.



Input From State/Federal Agencies and the Public Led to Mid Reach Beach Mitigation Project



MORE THAN A DECADE OF COLLABORATION WITH MULTIPLE STATE AND FEDERAL AGENCIES, INCLUDING THE U.S. FISH AND WILDLIFE SERVICE, NATIONAL MARINE FISHERIES SERVICE, FLORIDA FISH AND WILDLIFE COMMISSION AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, STEERED THE DESIGN OF BREVARD COUNTY'S MID REACH BEACH MITIGATION PROJECT, WHICH IS NOW UNDERWAY EAST OF THE SATELLITE BEACH SHORELINE.

Throughout this process, comments from both the public and agency scientists were addressed prior to plan approval. The project carefully balances the need to minimize impact to the natural rock reefs while maintaining a healthy beach and dune system which provides protection to the upland community, public infrastructure and tourism economy. This healthy beach will preserve marine turtle nesting habitat and help avoid the push for coastal armor and seawalls being seen in some counties just north of Brevard.

Brevard County and its partners have taken multiple steps to assure the environmental success of the Mid Reach project. "We believe the project will become another example of successful beach management in Brevard County," said Michael McGarry, Beaches Program Manager for Brevard County's Natural Resources Management Department. In mid-July, the U.S. Army Corps of Engineers (Corps) began construction of artificial mitigation reefs. The reefs are low-lying, concrete mats topped with coquina limestone and are being placed in approximately 15 feet of water, roughly 1,000 feet from the beach. The first reef site is being constructed east of Pelican Beach Park.

In total, there will be 10 reef sites

constructed in patches from Pelican Beach Park to just south of Howard E. Futch Memorial Park at Paradise Beach. Construction will occur over the summers of 2017 and 2018 when weather is the most favorable. The sites will form approximately 4.8 acres of reef area constructed to mitigate up to three acres of nearshore coquina rock reef which may be impacted by sand during future beach restoration work by the Corps. Although the future beach work will focus on avoiding nearshore rock during sand placement, some rock (less than 10 percent) may be covered by sand as the beach equilibrates.

The reef mats have a low relief that will not influence the wave break and were designed to provide good habitat for diverse colonies of marine life. The reef project should not affect beachgoers, but a crane barge will be visible as it works constructing the artificial reefs offshore.



BREVARD COUNTY SERVES AS THE LOCAL SPONSOR FOR THIS WORK.

McGarry said there is growing misperception about the Mid Reach storm damage reduction (beach nourishment) project, its impact on natural nearshore reefs, and the mitigation reef being constructed as part of the project. It is important to understand that the Mid Reach project is not a wide beach nourishment project as can be found elsewhere in Brevard. In order to protect most of the rock reef resource, the Mid Reach project will maintain a beach only slightly (10'-20' +/-) wider than seen in the recent past. "The beach project will construct and maintain a healthy dune with vegetation and a slightly higher upper beach, but will only marginally widen the beach," McGarry said. "This design was put in place to provide the shore protection and recreational benefits desired, while minimizing impact to the valuable nearshore rock reefs."

Of the 42.5 acres of nearshore rock reef mapped in central Brevard, less than 3 acres (approximately 7%) are expected to be impacted by sand placement. Some of this impact, or burial, will be temporary or seasonal but all of it will be addressed through mitigation. Sand placement is expected to begin in 2019, after mitigation is complete.

To compensate for the 3 acres of rock impact, McGarry said 4.8 acres of mitigation reef are being constructed. The reef was designed with input from biologists and regulatory agencies to match the ecological benefits provided by the natural reefs. Field experiments were conducted and verified that a similar algal and sabellarid worm rock community could recruit to the mitigation reef. The reefs are low lying, standing only 2 feet from the ocean floor, to mimic existing reef profiles and avoid affecting the wave break or providing cover for large predators. Spacing between reef mats and under ledges was scaled specifically to provide shelter for juvenile green turtles that spend time in the area.

"Existing beach projects in Brevard County have been highly successful at reducing storm damage and also providing a wonderful beach to be enjoyed by locals, visitors and wildlife alike," McGarry said. "After years of planning with input from scientists and the public, we expect the same performance in the Mid Reach."



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COUNTY PROJECTS COMPLETED

PARKS & RECREATION NORTH AREA PARKS

Walter Butler Community Center

James Ritsow, NASA, gave a presentation on structural dynamics and performed an experiment with a solar bag. This educational demonstration was thoroughly enjoyed by the youth attending summer camp at the Center.

PARKS & RECREATION CENTRAL AREA PARKS

Watts Park

On behalf of the citizens of Brevard County, the Parks and Recreation Department was pleased to accept a Play-Land playground structure donated by Nelson Engineering Company.

South Patrick Community Park **Playground Replacement**

- Completed: August 2017
- Cost: \$65,000
- Funding: Parks and Recreation General Fund Maintenance

PARKS & RECREATION SOUTH AREA PARKS

Rodes Park Boardwalk Repair

- Completed: July 2017
- Cost: \$2,000
- Funding: Parks and Recreation General Fund Maintenance

Micco Park Resurfacing of Basketball and Tennis Courts

- Completed: August 2017
- Cost: \$8,000
- Funding: Parks and Recreation General Fund Maintenance

Jade Palm Crossover Re-Decking and Composite Handrail Cap

- Completed: August 2017
- Cost: \$2,200
- Funding: Parks and Recreation General Fund

Coral Palm Crossover Re-decking and Composite Handrail Cap

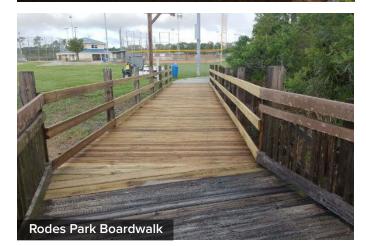
- Completed: July 2017
- Cost: \$2,000
- Funding: Parks and Recreation General Fund



Solar bag demonstration at Walter Butler.



South Patrick Community Park playground





SPACE COAST OFFICE OF TOURISM ATLANTA CAMPAIGN

TDC Launches Space Coast Tourism Campaign in Atlanta

The Space Coast Office of Tourism took over the new Atlanta Braves stadium in Atlanta from July 13-15, 2017. The event promoted the Space Coast via stadium signage, digital billboards, bus wraps, radio station broadcasts and targeted Facebook ads all aimed at attracting more visitors to the Space Coast.

A new website was launched, spacecoastlaunches.com "With more launches happening now than ever before, now is the time to witness a marvel and to come here to see, hear and feel one of the most dramatic events on earth," TDC Director Eric Garvey said.

The new NASA Mars Rover concept vehicle was parked in front of the stadium and was viewed by about 35,000 fans per game. Astronaut Jon McBride was on hand to answer questions from the media and the fans.



SCGTV PRODUCES VIDEO

SCGTV Produces Bike Rodeo Video for Space Coast TPO





Space Coast Government Television recently filmed and produced a video for the Space Coast Transportation Planning Organization to highlight its "Bike Rodeo" program, which consists of one day safety clinics that are designed to teach children safety skills and the rules of the road. The video illustrates the various exercises the young bicyclists participate in and showcases how the program provides adults and children with a handson demonstration, while in a safe and effective learning environment.

The primary goal of these programs is to improve safety and reduce transportation-related injuries and deaths by educating bicyclists, pedestrians, and motorists on state traffic laws and the safe use of transportation infrastructure. A huge thanks to SCGTV for its partnership on this effort.

COUNTY PROJECTS COMPLETED

PUBLIC WORKS RECEIVES THANKS

Space Coast TPO Commends Public Works for Speedy Response

Shout out to Brevard County Public Works for its quick response in providing sidewalk maintenance to an overgrown sidewalk area on Wickham Road south of Sarno Road, near the Wal-Mart Super Center. This sidewalk is a highly used bicycle/pedestrian sidewalk facility, which is nestled along a popular route to retail stores and space coast area transit stops.



PLANNING & DEVELOPMENT ONLINE PERMITTING

Lean Six Sigma Completed Initiatives

- Workers' Compensation Process: This improvement process reviewed the Workers' Compensation first week wage entitlement refund process and implemented efficiencies that reduced errors in processing and provided a smoother flow and faster processing time.
- ALS vs. BLS Triage: to improve the accuracy of patient documented triage when determining the requisite level of intervenentional care to Advanced Life Support (ALS) vs. Basic Life Support (BLS). Through the LSS improvement processes this project achieved its goal of 95% accuracy.



ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

Construction Services Design-Build Ecological Services General Civil Engineering Geographic Information Systems (GIS) Highway Design Intelligent Transportation Systems (ITS) **Limited Access Design Project Development & Environment Studies** Structural Engineering Subsurface Utility Engineering (SUE) **Surveying & Mapping/Geomatics Traffic Engineering Transportation Planning Utilities Engineering** Water Resources/Stormwater Management

<text>

THIRD QUARTER • 2017





UTILITY SERVICES COMPLETES RENOVATION

Lift Station V-9 Renovated

Lift Station V-9, located on Newfound Harbor Drive in Merritt Island, was recently renovated by the Utility Services Department. The newly-renovated pump station is expected to provide reliable service for many years.

UTILITY SERVICES CONSTRUCTION PROJECT

South Patrick Force Main Replacement – Phase I

The first phase of the project to replace the 24" force main on South Patrick Drive was completed during the first week of April 2017. With the permitting in place and the construction contract fully executed, the second and final phase of this work has been approved to start immediately.

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INFORMATION TECHNOLOGY RESPONSIVE DESIGN

Responsive Design, NovusAGENDA Help Residents Connect With Brevard County Government

Information Technology chose Labor Day weekend to kick off a redesign of the County's web page, a project that was the subject of a labor-intensive overhaul that began this past January.

The good news for Brevard County residents and others who surf the Internet for Brevard County Government-related information is that the Responsive Web Design behind the revamp allows for optimal viewing, no matter what type of device visitors use when viewing our website - www.brevardfl.gov. Responsive Web Design incorporates flexible grids, images and layouts to conform to whatever web browser is being used by the person who's on the site. "It detects what device you're on while looking at it and makes adjustments," said Lois Boisseau, assistant director of IT. "We took this opportunity to modernize our website and to make it easier to navigate."

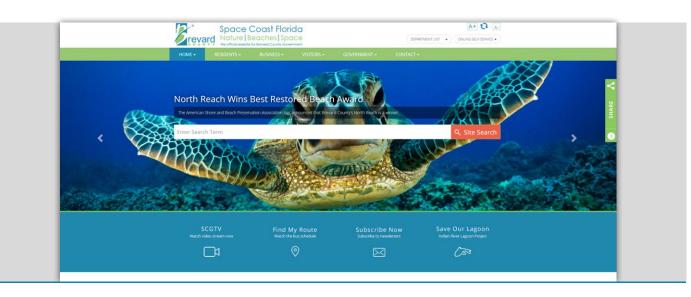
After an RFP process, the redesign was awarded to SGS Technologies of Jacksonville. Boisseau said the redesign works beyond lap top and desktop computers, and was also done in a way to "keep up with the Joneses" in terms of search engines and keeping Brevard County Government at the top of web page search engine algorithms.

A new web design is not the only major change afoot for IT. A four-member Lean Six Sigma Agenda Development Process Team made up of County employees was chartered to significantly reduce the amount of paper, time, and staff resources expended during the agenda development process. After months of preparation, the team selected the NovusAGENDA software solution, a cloud-based application and database. Agendas, individual items, attachments and background documents are available to citizens online at www.BrevardFl.gov/OnlineAgendas.

Agendas can run anywhere from two to eight pages or more, but add to that the extensive background on particular items of legislation, along with maps, diagrams, photos and other data and it becomes the equivalent of lugging around a file cabinet. From a general public standpoint, printed agendas are made available to those who attend board meetings, yet those do not include the more extensive background items that board members have at their fingertips. While BOCC agendas posted on the County web site do include those background materials, until the redesign mentioned earlier in this article, they were not readily accessible on mobile devices to those attending the board meetings.

For citizens who attend BOCC meetings, a kiosk has been set up in the lobby outside Board Chambers that will provide finger-touch opportunity to review the agenda and to look up particular items and background materials. Additionally, the agenda can be downloaded to a mobile device to follow electronically during the meeting.

NovusAGENDA is an application that's being used or implemented in other counties and municipalities throughout Central Florida. Brevard County Commissioners, their staffs, County directors and others who routinely have items to add to the agenda have been trained on NovusAgenda, and the County is in the process of "parallel implementation," which means it's in a transitional period between paper agendas and electronic-only agendas. "For the County, it's a moneysaving opportunity to not have to print the agenda packets prior to the meeting," Boisseau said. "It saves money; it saves paper; it saves trees."







BREVARD COUNTY FIRE RESCUE

Communities Participate in 'Push In' Ceremonies For Fire Rescue

Brevard County residents were recently invited to participate in two ceremonial "Push-In" events that helped Brevard County Fire Rescue put new fire engines to work for their communities.

A "Push In" is a long-standing tradition that dates back to when fire departments used horse-drawn pumpers for firefighting. Horses that were commissioned, or placed into service, would be washed down (with water from the retiring pumper's tank) along with the pumper they pulled. Once wet down and dried, the pumper was pushed into the station by hand because the horses could not back up with the apparatus attached. The community, neighboring departments and elected officials would attend these ceremonies whenever a community purchased new apparatus or horses."

South Melbourne Beach residents showed up at Brevard County Fire Rescue's Station 65 on July 7 to help 'Push In' the station's new fire truck. The new vehicle for Station 65 is a pumper/tender truck that includes a 1,500-gallon water tank and a Foam Pro Class A Foam system with 20-gallon foam tank. In August, a fire engine dedication ceremony was held at Station 83 on Minton Road in Palm Bay.

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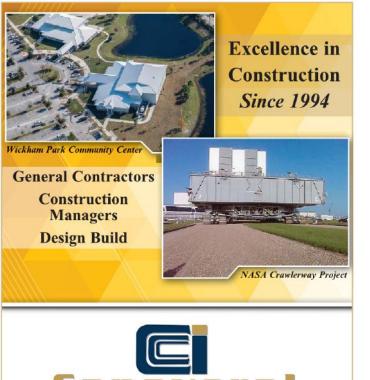
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Converging Trails: • The Coast-to-Coast Trail (heading over the new Garden Street bridge and running north along U.S. 1) is part of a 250-mile trail that will link Titusville with St. Petersburg. Titusville is the southern tip of the 260-mile • St. Johns River-to-Sea Loop. This merges with the • East Coast Greenway that is one-third complete along its 2.900-mile route between Maine and Florida.

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