

**MEMORANDUM**  
**FROM THE OFFICE OF THE CITY MANAGER**

**To:** Mayor and City Commission

**From:** Pam Brangaccio, City Manager 

**Re:** City Manager's Report – April 8, 2014

**Date:** April 1, 2014

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The 2014 Citizen's Academy begins this week and we have a full roster with 15 registered participants.

FEMA's Emergency Management Institute (EMI) will be hosting the Community Specific Integrated Emergency Management Course in New Smyrna Beach beginning the week of April 14<sup>th</sup>, we have over 100 applicants registered for this course.

Staff has been conducting interviews for several key positions over the last few weeks and will have two new employees coming on board. David Ray, will join City staff on April 21<sup>st</sup> as the Sports Complex Manager. He was the Division Manager of Athletics for Rolling Meadows Park District in Algonquin, Illinois. Jesse Myers will also begin on April 21<sup>st</sup> as the Civil Engineer; Jesse was the Civil Engineer for Alachua County Public Works. Staff is currently interviewing applicants for the Capital Improvement Project Manager position, and we hope to have someone in place by May.

Attached to this report is the latest construction schedule for the Central Fire Station; the project has a substantial completion date of August 31<sup>st</sup> pending any unforeseen issues.

Also attached, is a copy of the revised project schedule for the Central Beach. The project is out to bid, with a pre-bid meeting set for April 8<sup>th</sup> and bid opening scheduled for May 8<sup>th</sup>.

FEMA is now reviewing the flood risk for the coastal region of the City and we suspect more properties will be placed in the flood zone, impacting beachside and waterfront residents. The new flood insurance rate maps will be issued tentatively in the spring of 2015.

Demolition of the AOB facility has begun; the wall came down last week and they have started to work on the building; an aesthetic improvement already. A grant application has been submitted to FIND for Phase I of the Waterfront Promenade to be located at this site.

Staff will be submitting an application for the Community Development Block Grant Funding for FY 2014/15 in accordance with the attached notification; this item will be on the April 22<sup>nd</sup> agenda for approval. Based upon the percentages, the City's allocation will be \$111,484.00.

Should you have any questions or need additional information, just give us a call.

Act ID	Description	Early Start	Early Finish	Total Float	2014												2015											
					FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

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					FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
4085	FDEP CLEARANCE	27FEB14 A	05MAR14 A																									
4090	CITY EASEMENT AND BILL OF SALE APPROVED UCNSB	21MAR14	03APR14	5d																								
4095	UCNSB APPROVE WATER SERVICE, PUNCHLIST, ETC.	03MAR14 A	25MAR14	7d																								
4096	WATER BACKFLOWS INSTALLED UCNSB	26MAR14	01APR14	7d																								
4097	WATER SYSTEM FINAL / CLEARANCE GRANTED	11APR14 *		0																								
4200	OWNER DECISION ON DRIVEWAY WIDENING	12FEB14 A	27MAR14	18d																								
4210	UPDATE SURVEY FOR DRIVEWAY WIDENING	28MAR14	03APR14	18d																								
4215	REWORK IRRIGATION SLEEVES AT DRIVEWAY	04APR14	07APR14	18d																								
4220	REWORK STABILIZED BASE FOR DRIVEWAY WIDENING	08APR14	14APR14	18d																								
4230	CURBS	15APR14	05MAY14	18d																								
4300	CONCRETE DRIVEWAY AND SIDEWALKS	06MAY14	03JUN14	18d																								
4310	FLAGPOLE FOOTING AND SLEEVE	06MAY14	08MAY14	32d																								
4320	BIKE RACK SLEEVES INSTALLED	09MAY14		36d																								
4500	STRIPING AND SIGNAGE	04JUN14	10JUN14	58d																								
4550	WELL PUMP ENERGIZED	07MAY14		37d																								
4600	IRRIGATION	04JUN14	24JUN14	18d																								
4610	SOD POND BANKS	04JUN14	10JUN14	18d																								
4620	STORM SYSTEM AS BUILT'S	11JUN14	09JUL14	18d																								
4630	STORM SYSTEM CLEARANCE	10JUL14	06AUG14	18d																								
4640	STORM SYSTEM ACCEPTED	07AUG14		18d																								
4650	FLAGPOLE INSTALLED	25JUN14		48d																								
4800	SITE SIGN MONUMENT LED SIGN	04JUN14	17JUN14	53d																								
4920	MULE TAPE INSTALLED FOR UCNSB	04MAR14 A	07MAR14 A																									
4940	UCNSB EASEMENT AND BILL OF SALE BY OWNER	21MAR14	10APR14	37d																								
4950	UCNSB PRIMARY PULLED TRANSFORMER SET	17APR14	07MAY14	37d																								
4960	UCNSB PERMANENT ELECTRIC SERVICE CLEARED	02MAY14		37d																								
4970	TRANSFORMER ENERGIZED	02MAY14	06MAY14	37d																								

*Freddy  
Construction of Station*

Start date	29APR13
Finish date	31AUG14
Data date	21MAR14
Run date	24MAR14
Page number	1A
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**A P M CONSTRUCTION**  
**NSB FIRE STATION march 21st**

<input type="checkbox"/>	Early bar
<input type="checkbox"/>	Progress bar
<input type="checkbox"/>	Critical bar
<input type="checkbox"/>	Summary bar
<input type="checkbox"/>	Start milestone point
<input type="checkbox"/>	Finish milestone point







## **Winkler, Sandy**

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**From:** Brangaccio, Pam  
**Sent:** Tuesday, March 25, 2014 11:23 AM  
**To:** Winkler, Sandy  
**Subject:** FW: FEMA Coastal Study underway  
**Attachments:** FEMA Flood Risk Literature.pdf

Sandy, please add to CM report for April 8<sup>th</sup> meeting.

**From:** Fegley, Kyle  
**Sent:** Tuesday, March 25, 2014 8:53 AM  
**To:** Brangaccio, Pam; Resheidat, Khalid  
**Cc:** Knotek, Mike  
**Subject:** FEMA Coastal Study

Pam & Khalid,

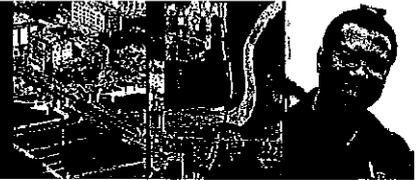
Although we recently adopted the new FEMA Flood Insurance Rate Maps for the entire City, FEMA is now reviewing the flood risk for the coastal region of the City (reference the attachment). How does this affect the City? FEMA's consultant, Baker AECOM via Taylor Engineering, is currently reviewing the topography and confirming site conditions (i.e. seawalls, soft armoring, space between Bldgs., etc.) to enter into the computer model to determine the overland wave effects to properties on beachside and the Indian River. When it's all said and done inevitably the flood zone maps for these areas will change once again (suspect more properties will be placed in the flood zone) and new Flood Insurance Rate Maps will be issued tentatively Spring of 2015. Will keep you posted as the impacts will be felt by beachside & waterfront residents/businesses (i.e. flood insurance premiums may increase as well as the number of properties requiring flood insurance).

Thanks,

Kyle W. Fegley, P.E.  
City Engineer  
New Smyrna Beach, FL 32168  
Ph. (386) 424-2168  
fax (386) 424-2148



FEMA



## Region IV Coastal Flood Risk Study – Northeast Florida Study Area

The Federal Emergency Management Agency (FEMA) Region IV Office in Atlanta has undertaken a multiyear coastal engineering analysis and mapping effort to better identify, quantify, and communicate flood hazards and associated risks in Northeast Florida (NEFL) and other coastal areas of the Southeastern U.S. The FEMA effort to update hazard and risk information and produce new National Flood Insurance Program (NFIP) maps for the NEFL Study Area (Duval, Flagler, Lake, Marion, Nassau, Putnam, St. Johns, and Volusia Counties) is supported by BakerABCOM, LLC, FEMA's Production and Technical Services contractor. The FEMA-led Project Team will coordinate closely with the Florida Division of Emergency Management (FDEM), the State NFIP Coordinator; community officials; and other stakeholders in the affected communities as the study progresses.

An integral component of a coastal flood risk study is the development of state-of-the-art Digital Elevation Models (DEMs). The DEMs are produced by merging the best available topographic and bathymetric data, including recent Light Detection And Ranging (LIDAR) system-generated data and bathymetric data from multiple sources (i.e., National Ocean Survey, U.S. Army Corps of Engineers, National Oceanic and Atmospheric Association). By integrating the latest topographic datasets with state-of-the-art modeling techniques, FEMA will provide citizens and community officials with up-to-date flood hazard and risk information.

The FEMA coastal flood risk study process is guided by the procedures described in FEMA's *Atlantic Ocean and Gulf of Mexico Coastal Guidelines Update*. This Fact Sheet provides an overview of the two phases of a coastal flood risk study: (1) storm surge and wave modeling and (2) wave hazard analysis and mapping. More information on flood risk study components can be found on the Region IV Coastal Analysis and Mapping Web Portal, which is located at [www.southeastcoastalmaps.com](http://www.southeastcoastalmaps.com).

### Storm Surge and Wave Modeling

The rise in water level associated with the passage of a major storm such as a hurricane is called "storm surge." Determining the magnitude of the storm surge is challenging, because it is affected by many variables, including storm size and intensity, storm track and speed, atmospheric pressure, offshore water depths, and landfall location.

To address all combinations of these variables, Project Team members use sophisticated models and supercomputers to simulate hundreds of hurricane events and compute surge elevations for the 1-percent-annual-chance (100-year) and 0.2-percent-annual-chance (500-year) flood events. These models are validated with historic storm and tide data.

### Coastal Flood Zones

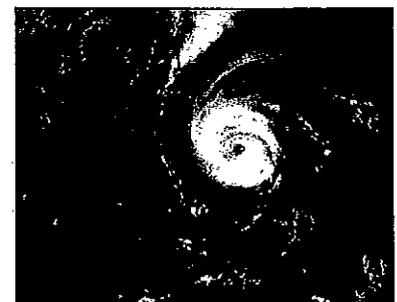
Within the coastal Special Flood Hazard Area (SFHA), there are two primary zones: Zone VE and Zone AE. Zone VE, also known as the Coastal High Hazard Area, identifies areas exposed to wave heights of 3 feet or greater. Coastal Zone AE identifies areas subject to wave heights less than 3 feet.

Base Flood Elevations (BFEs) will vary in each zone. Changes in flood zone and BFEs can have a significant impact on building requirements and flood insurance costs. Because waves can diminish in size over short distances, particularly where the ground is steep, BFEs can differ dramatically.

### LIMWAs and Community Rating System

Post-disaster assessments and laboratory research have shown that waves as small as 1.5 feet can cause significant structural damage. For all coastal studies, FEMA now maps the limit of the 1.5-foot wave as an informational layer; this boundary line is known as the Limit of Moderate Wave Action, or LIMWA.

The NFIP Community Rating System, or CRS, provides credits for communities requiring VE zone construction standards in areas defined by LIMWA or areas subject to wave heights between 1.5 and 3 feet. More information on the CRS can be found at: [www.fema.gov/national-flood-insurance-program/community-rating-system](http://www.fema.gov/national-flood-insurance-program/community-rating-system).



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The results from the storm surge and wave modeling are new total stillwater elevations that include storm surge and wave setup (additional elevation of water due to nearshore wave breaking). The surge and wave modeling provides water levels for the next phase of the study.

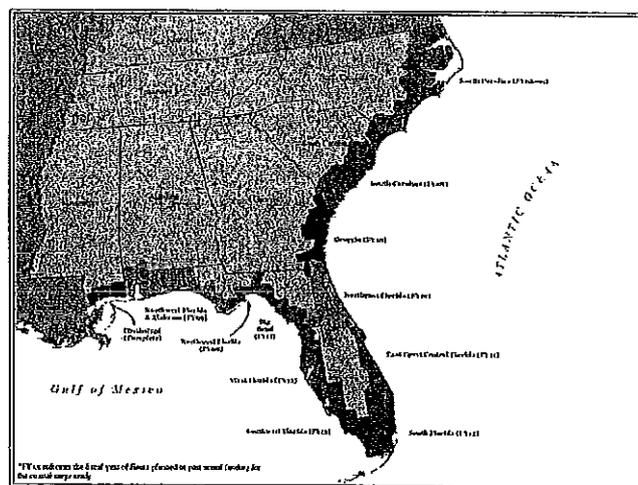
### Wave Hazard Analysis and Mapping

Using the updated stillwater elevations, Project Team members perform an overland wave hazard analysis and produce updated digital Flood Insurance Rate Maps (FIRMs) and accompanying Flood Insurance Study (FIS) reports. Components of the overland wave hazard analysis are discussed below.

- **Defining transects to represent regional land use, vegetative cover, building obstructions, and terrain variability along the shoreline.** Transects are cross-sections taken perpendicular to the shoreline that represent a segment of coast with similar characteristics. Transect profiles are generated based on the DEMs. Field reconnaissance is conducted to identify and verify features such as dunes, building types, and vegetation.
- **Overland wave modeling to define coastal hazard areas and establish BFEs.** Overland propagation of waves is modeled using Wave Height Analysis for Flood Insurance Studies (WHAFIS). Where flooding intersects a shore protection structure or other steep feature, analyses of wave runoff (uprush of waves on a slope or structure) and overtopping are performed.
- **Mapping of coastal hazard areas.** Overland wave modeling results are used to identify areas subject to wave heights of 3 feet or greater. These areas, along with the Primary Frontal Dune (PFD), are mapped as Zone VE. The PFD is a continuous or nearly continuous mound or ridge of sand with relatively steep seaward and landward slopes immediately landward and adjacent to the beach. The PFD is subject to erosion and overtopping from high tides and waves during major coastal storms.

FEMA typically maps areas subject to 1-percent-annual-chance flooding with wave heights of less than 3 feet as Zone AE. FEMA also will delineate the Limit of Moderate Wave Action (LiMWA). The LiMWA is a boundary that identifies the location of the 1.5-foot wave height within this AE zone, which is also referred to as the Area of Moderate Wave Action (MoWA). The area landward of the PFD, where wave heights are less than 1.5 feet, is also mapped as Zone AE and is referred to as the Area of Minimal Wave Action (MiWa). Once floodplain mapping is complete, FEMA provides preliminary versions of FIRMs and FIS reports to community officials and citizens for their review and use.

As a result of the coastal flood risk study, communities will have the best available coastal flood hazard and risk information and will be able to make more informed risk-reduction decisions.

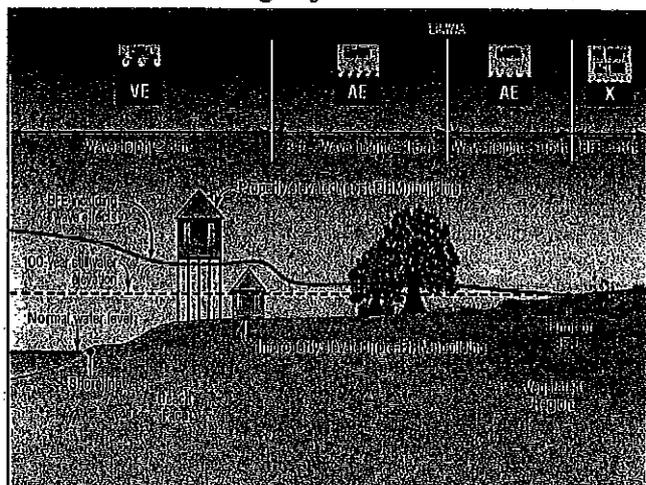


### Study Coordination

As shown above, coastal flood risk studies are also underway for counties north and west of the NEFL Study Area. The analyses and mapping for all study areas will be coordinated closely to assure consistent, accurate information is provided for local decision-making. Information on the new digital FIRMs and FIS reports is available through: [www.southeastcoastalmaps.com/Pages/Projects/Northeast-Florida.aspx](http://www.southeastcoastalmaps.com/Pages/Projects/Northeast-Florida.aspx).

### Contact Information

Questions regarding the coastal flood risk study should be addressed to the community floodplain administrators accessible through the NEFL Study Area page cited above or to the FEMA or FDEM contacts provided at [www.southeastcoastalmaps.com/resources/coastal\\_contacts.php](http://www.southeastcoastalmaps.com/resources/coastal_contacts.php).



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# City of New Smyrna Beach

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March 28, 2014

Ms. Janet Zimmerman, Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Rd  
Jupiter, FL 33477

**Re:** FIND Grant Application for Phase I (Design)  
New Smyrna Beach Waterfront Promenade  
New Smyrna Beach, FL  
Volusia County

Dear Janet,

Please find attached is the grant application for the New Smyrna Beach Waterfront Promenade in New Smyrna Beach, Florida. This grant is for Phase I (Design & Permitting) for a city property along the North Causeway that is formerly known as the A.O.B. site.

We are so proud of our partnership with FIND. We have successfully completed so many projects, including the recently completed Swoope Site Boat Ramp. Without this partnership, these projects would not have been successfully completed. We look forward to more community projects that would benefit and serve the public.

Should you have any questions or concerns regarding this grant application, please feel free to contact me at 386-424-2209 or by email [kresheidate@cityofnsb.com](mailto:kresheidate@cityofnsb.com).

Sincerely yours,

Khalid Resheidat  
Assistant City Manager

cc: Pam Brangaccio, City Manager  
Althea Philord, Finance Director



March 28, 2014

Ms. Pam Brangaccio, City Manager  
City of New Smyrna Beach  
210 Sams Avenue  
New Smyrna Beach, FL 32168

**Re: Community Development Block Grant (CDBG)  
FY 2014/15 Funding Allocation**

Dear Ms. Brangaccio,

This is to inform the City of New Smyrna Beach that the County of Volusia's Urban County Community Development Block Grant (CDBG) allocation for FY 2014/15 is \$1,715,147. This figure is based upon information provided by the U.S. Department of Housing and Urban Development (HUD) notifying of the availability of the formula allocations online.

Volusia County, as grantee of Federal funds, has the responsibility of overall grant administration and ensuring the primary CDBG objective of improving and expanding affordable housing countywide is achieved. Administrative activities include, but are not limited to, development of the Annual Consolidated Plan which includes the CDBG, HOME and ESG grants; coordination of CDBG planning and implementation of activities with all participating municipalities, CDBG regulatory review, program/statutory compliance, environmental review and mitigation planning, review and approval of funds reimbursement requests to include payment disbursements, review and processing project amendments to the Consolidated Plan, and capital project implementation for all participating municipalities.

Additionally, Community Assistance provides program administration and implementation of the countywide housing rehabilitation and Emergency Solutions Grant programs, programmatic and fiscal monitoring of all municipalities and other subrecipients, annual reporting requirements, development of all Subrecipient Agreements and any amendments thereto, correspondence with all participants, and management and supervision of staff members. A funding reserve amounting of 38.8% will be retained by the County to carry out these responsibilities. Therefore, the amount of CDBG funds to be allocated among the participating cities and county unincorporated areas is \$1,049,670.00.

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Ms. Pam Brangaccio  
March 28, 2014

Based upon the allocation percentages, the City of New Smyrna Beach will receive a FY 2014/15 allocation of \$111,484.00.

The City must submit the enclosed Annual Plan Application for FY 2014/15, and activities identified on this application will become part of the Urban County's FY 2014/15 Action Plan submitted to HUD for funding approval. The City must submit their Annual Plan Application for FY 2014/15 by **May 9, 2014**.

**Please note that citizen participation in formulation of the plan is a grant regulation. Therefore, each City is required to have a public hearing during the development of the plan to allow citizen participation and comment. Copies of sign-in sheets and minutes must be forwarded to Community Assistance along with the annual plan. Scheduled approval of the plan at City Commission meetings will not serve to meet the public participation requirements.**

It is imperative that the County complies with HUD's CDBG application submittal deadline of August 15, 2014. Failure to submit the application will result in the loss of Urban County CDBG funding. **Funding for cities that do not submit the 2014/15 Annual Plan Application by May 19, 2014 will automatically revert to countywide funds. These funds will become available to complete countywide activities on a "first-ready, first-served" basis.**

Community Assistance staff will be available to provide technical assistance to all participating cities having difficulty in preparing their plans. We encourage you to call and, if necessary, schedule an appointment to discuss any questions you may have.

If you have any questions about this correspondence, please contact me at (386) 736-5955 ext. 12958.

Sincerely,



Diana Phillips, Manager  
Housing and Grants Administration

cc: Donna Banks, Community Resource Coordinator

Attachments

<b>City</b>	<b>FY 2013 Allocation Percentage</b>	<b>FY 2013 Allocation  \$1,716,917</b>	<b>FY 2014 Allocation Percentage</b>	<b>FY 2014 Allocation  \$1,715,147</b>
Daytona Beach Shores	3.20%	\$54,941.00	3.20%	\$54,885.00
DeBary	3.20%	\$54,941.00	3.20%	\$54,885.00
DeLand	8.40%	\$144,222.00	8.40%	\$144,072.00
Edgewater	4.60%	\$78,978.00	4.60%	\$78,897.00
Holly Hill	4.60%	\$78,978.00	4.60%	\$78,897.00
Lake Helen	3.20%	\$54,941.00	3.20%	\$54,885.00
New Smyrna Beach	6.50%	\$111,600.00	6.50%	\$111,484.00
Orange City	3.20%	\$54,941.00	3.20%	\$54,885.00
Ormond Beach	5.50%	\$94,431.00	5.50%	\$94,333.00
Pierson	3.20%	\$54,941.00	3.20%	\$54,885.00
South Daytona	3.70%	\$63,526.00	3.70%	\$63,460.00
Unincorporated County	11.90%	\$204,313.00	11.90%	\$204,102.00
Subtotal		\$1,050,753.00		\$1,049,670.00
Administration & Housing Activities	38.80%	\$666,164.00	38.80%	\$665,477.00
Total	100%	\$1,716,917.00	100%	\$1,715,147.00