

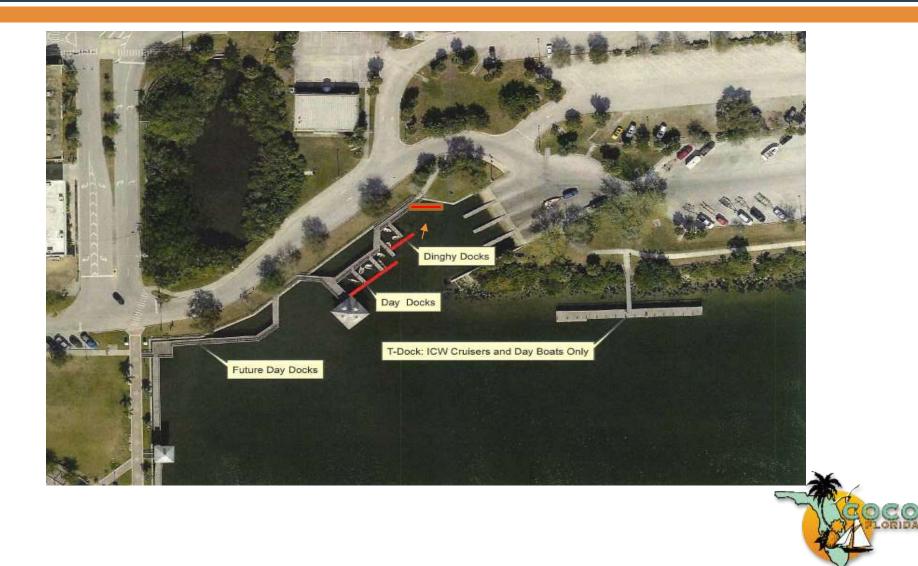
City of Cocoa

Waterfront Master Plan Update 2018 FIND Emergency Reconstruction Grant Before and After Photos

Waterfront "Before IRMA"



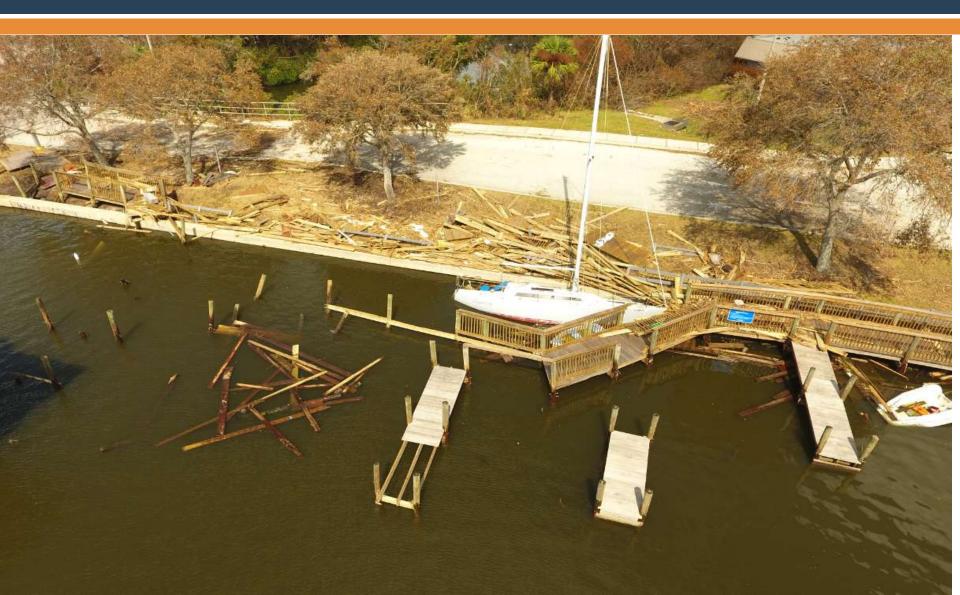
Waterfront "Before IRMA"



Waterfront Promenade "Before IRMA"



Waterfront - Day Slips "Post IRMA"



Waterfront Boardwalk and Viewing Area "Before IRMA"



Waterfront Gazebo Viewing Area "Before IRMA"



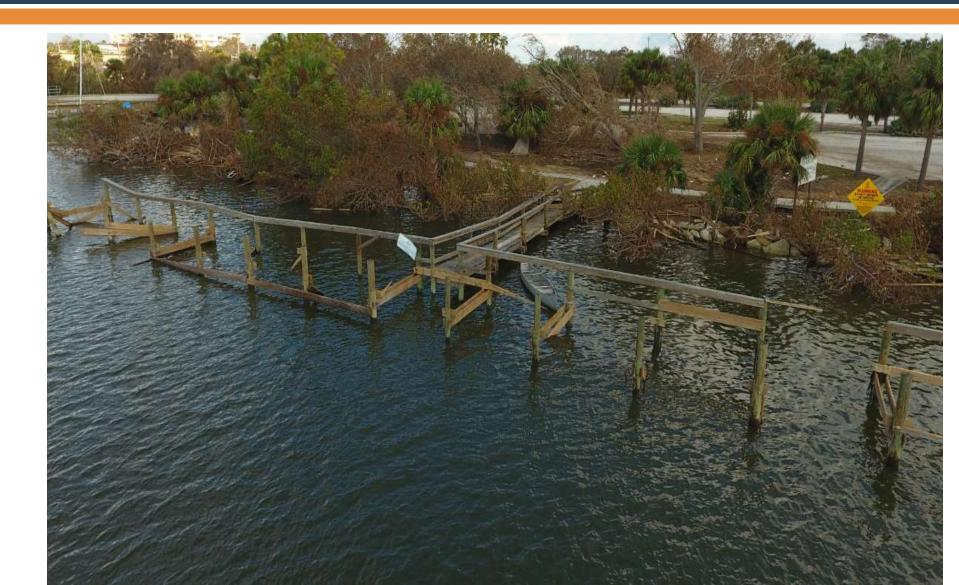
Waterfront Gazebo Viewing Area "Post IRMA"



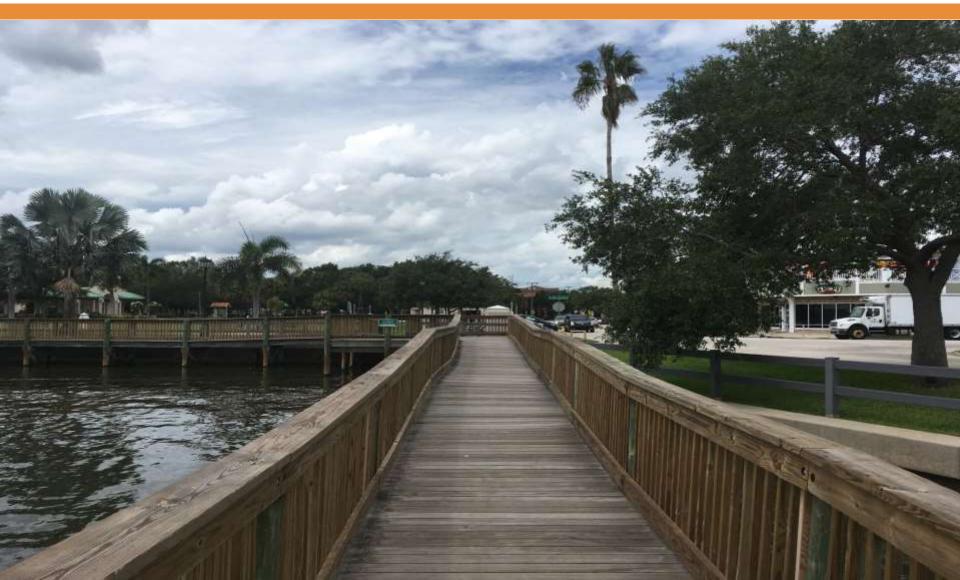
Waterfront and T Dock "Before IRMA"



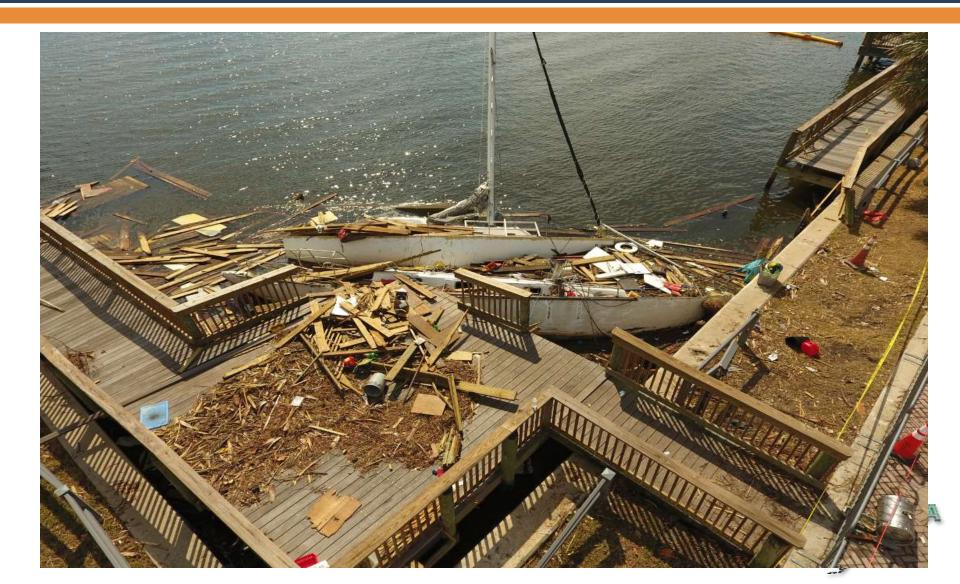
Waterfront T- Dock "Post IRMA"



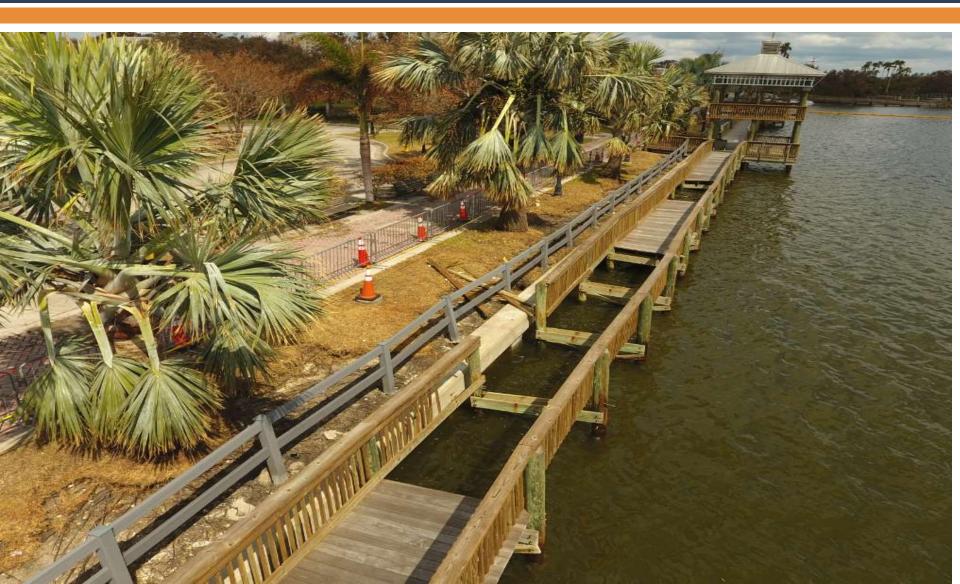
Waterfront Promenade "Before IRMA"



Waterfront Promenade "Post IRMA"

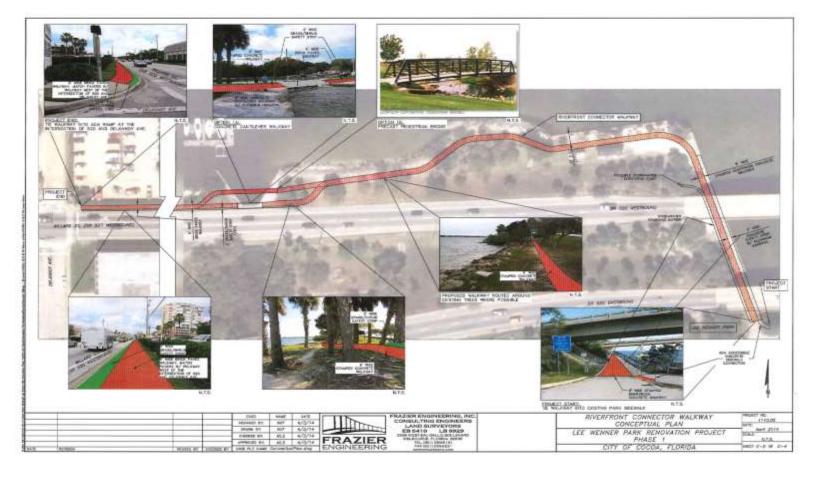


Waterfront Promenade "Post IRMA"



Riverfront Connector Under Construction – Post IRMA

FIND Project: Cocoa Riverfront Connector Underway Today



Boardwalk, T Dock and Day Slips

Where we are at Today

- Lee Wenner Park acquired from Brevard County (November 2017)
- Initial Assement Complete
- Derelict, Damaged and Sunken Vessels Removed
- > T-Dock, Boardwalk, Day Slips Debris Removal Complete
- Damaged Shoreline restoration is underway
- Lee Wenner Park Cleanup and Preparation
- Waterfront Master Plan Update 2018 Planning Underway
- Cocoa Riverfront Connector Construction Underway



Emergency Reconstruction Grant Outcomes

Our proposal and approval of this grant will:

- □ Enable Reconstruction of 8 Day Slips/110 feet of access way
- □ Enable <u>New</u> Construction of an additional 6 boat slips under 2017 Grant
- Enable Reconstruction of 200 feet of T-Dock/access way
- Enable <u>New</u> Construction of 250 feet of T-Dock/access way under 2017 Grant
- Provide T-Dock area for approximately 11 ICW Cruisers
- Reconstruct 950' liner feet of Boardwalk/Esplanade
- □ Enable Reconstruction of approximately 1,440 sq. ft. of gazebo area
- Enable Reconstruction techniques with improved resiliency
- Restore Riverfront Utilization for more than 300,000 persons annually
- □ Enable approximately 25 Boat Slips/Docking Areas
- Enable approximately 5,110 boat visits (not including trailered boats

City of Cocoa Irma Waterfront Opinion of Cost

Materials	Funding Sources				
Boardwalk, Slips, T- Dock, Gazebo		\$592,600	FEMA (75%)	\$1,281,300	
In					
Boardwalk, Slips, T-Dock, Gazebos, Piles		\$639,400	FIND (25%)	\$427,100	
Materials					
Contractor Mobilization/Demobilizati on, Contractor OH, GC, FOB		\$221,900	Total	\$1,708,400	
<u>Total Co</u>	nstruction Cost	City of Cocoa	Resiliency/Improve		
Engineering Design/Engineering		\$254,500		ments	
Services					
<u>Total Opinio</u>	C C C C C C C C C C C C C C C C C C C				
		\$1,708,400			

PROJECT IMPLEMENTATION: PRIORITY + BUDGETING FIGURES

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Each identified project was reviewed at a conceptual level by the design + engineering consultant team and with the City CRA staff. Projects were assigned a prioritization of High Priority (1-2 year goal), Medium (3-5 year goal) or Low Priority (5 or more year goal). Each project was conceptually reviewed for probable cost (including a 15% contingency) and grossed up for estimated design/engineering and permitting costs. Finally, each project was assigned an inflation factor' of 7%, 14% or 21% according to the assumed timeline for implementation (high priority / near term to low priority / long term).

10000	INFRASTRUCTURE SOLUTION SERVICES	-	PEQA	COLDA NATERROWT Make of calibrian balance a				
	Second Services			04/08/08/18		10% project months provide		Page 1 of 1
tiens No.	Item	Priority	+ Timing	Otty.	Unit	Price/Unit	Subtotal	Description + Complexity / Duration to Implement
	WATERFRONT PROJECTS							
4.	Living Breakwater	Lav	S+ year	6	LS.	\$750,000.00		Fund \$100,000 for a feasibility analysis. Glalands (10-15 \$x 200 flas)
	Local of Castlin L 2007 Names & Countidence						\$6,343,000.00	TOTAL: Yes beign + Yes Permitting + 21% initiation based on 54 years
								199 to work w 2/TM on approximate cost of Mooring + Rump Cut. City has existing info and
	North Mooring Excitity + Pump Out							prepationing with Agencies. Need to east with re-initiating feasibility. Assumed 20 mooring assions
¥.	vessel & facilities 193 Vices(nr. 66, Penit & Coningero)	medum	2-5-5887	1	L.N.	3000,000.00		TOTAL: 12% Decign + 12% Permitting + 14% Information causes on 3-5 years
	I Dock with mix of fixed and floating							
	prece + 100" extension. Include floating							PBM3 open to helping with funding if there is humbone protection, better construction. City has number? Assumes floating concrete wisiuminum gangways. Fixed wood will cost about
а.	plant - concrete construction Total of Catign - Log Permit & Contrigency	нат	1-crysars	1	6.9.	Sel.0100000	36-0,000.00	SHOULDU TUTINE: 1915 DANSE + 1915 PARTNERING + (15 INVASIS SMARL ON 1-2 YANK
	Tata vi Design 7 💑 Perrit & Contingency						\$504,000.00	TOTAL: York beign + York Permitting + Ch. Intration based on 1-2 years
4.	Dinghy Dock	High	1-2 years	1	L9.	\$108,000.00	\$159,050.05	Jasumas fixed concrete dock. Wood = \$55k. Jiuminum = \$76k
	Local of Castlin L 2007 have a Countrillance						\$147,950.00	TOTAL: Sets Design + Ters Permitting + 7% Instation based on T-2 years
								City/CR1 has identified a budget and needs to modify the permit because the prior structure
а.	Day Sipe	на	1-2 16515	1	L.H.	\$916,000.00	\$975,000.00	lo gone, Jasume fixed concrete plant. Wood = \$196k. Jüuninum = \$216k
	Total vi Design / Seg. Permit & Contingency						\$415,800.00	TOTAL: 15% Design + 19% Perceipting + 7% Inflation based on 1-2 years
÷.	New Frahing Per, bast Lee Wenner	High	1-2 Years	1	1.9.	\$205.000.00	8005 000 00	Jasumes 1900 af, Jasumes fixed concrese. Wood = \$117k, Jauminum = \$150k
	Total vi Design / Sog. Permit & Contingency	~01	142 16515	1		9415,000.00		TOTAL: 39% Design + 19% Permitting + 7% Inflation based on 1-2 years
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	The second
7.	Shoreline Stabilization	Hgh	1-2 Years	1	LS.			Number will vary dependent extent of atabilization. Costs from recent CPG project.
	Total vi Design / Eng. Permit & Contingency						\$819,000.00	TOTAL: 19% Design + 19% Permitting + 7% Inflation based on 1-2 years
	SUBTOTAL Waterfront Projects						\$9,128,010.00	
		<u> </u>		<u> </u>	<u> </u>		40,120,010.00	
в	Lee Wenner Park							
1.	New Cruz Center at Lee Wenner Park.	нат	1-2 1655	16,000	86.	Sacoros	\$4,200,000.00	redu of unusual second, strationales checked (score Surviscond Loude)
							\$/5,000.00	Warker catenormers - Heaterony or New Facility
	Total vi Design / Crg. Permit & Contingency						\$5,199,000.00	TOTAL: 19% Davign + 5% Permitting + 7% Inflation based on 1-2 years
								United to the Mooring Field and completion of other dock, etc. Segin by funding feasibility /
х.	Harbor Master Building Toxi v Design / Sog. Pernit & Contingency	medum	1-2 1655	4,000	8.6.	\$200.00		designingineering TOTAL: 19% Design + 5% Permitting + 7% Inflation based on 1-2 years
	Tota vi Cesigni egg. Pernit a Consigeraji						\$1,460,000.00	TOTAL: This Design - 2's Permitting - 7's installer laked on the years
<u>x</u>	CREWNING LINE CROOCCORDS,	нал	1-2 1997	-	L.9.	8.00,000.00		Harving, Linitest, Stockholder, Hars, Landstolfe & Highton
	ceedu z mûlseeuû						\$1/5,000.00	Tak Deligh + Tak Permitting Tek Centergency
	Tata vi Design r 🙀 Pernit & Consingency				<u> </u>		\$924,000.00	TOTAL: 12% Design + 10% Permitting + 7% Interior based on 1-2 years
	SUBTOTAL Lee Wenner Projects						\$7,603,000.00	
-								
C	Downtown Park							Rener Manager Reneration Rends Rends and Andreas Andreas Andreas
٦.	Leylor Park Renovation	LOV	a+ years	1	1.3	3256,000.00	\$250,000.00	
	Total vi Design / Grg. Permit & Contingency						\$323,000.00	TOTAL: 15% Design + 5% Permitting + 21% Inflation based on 5+ years
								FEM: + FIND reinburgement funding is subliable. Up to \$1.701 is avail for Stock. Develop.
	Promenade Reconstruction		1-0 Years, Start Nov					and boardwalk. Demo, Paving, Swings, Landacage & Irrigation, Gaseway (\$5%80) = 15,000 at x \$50501
х.	Promenade Reconstruction Tool vi Design / Sog. Pernit & Contingency	ндп	aton NolV	1		\$400,000.00		et × (0299F) TOTAL: 35% Design + 5% Permitting + 7% Inflation based on 1-2 years
х.	Promentade Ovendoka	нал	1-2 16515	x	80	870,000.00		Cento, Decking, Halling, Site Homenings
	Total vi Design / Crog. Permit & Contingency						\$134,000.00	TOTAL: 15% Design + 5% Permitting + 7% inflation based on 1-2 years
								After Dvic Center Development, Denn Dvic Center (512-(25)/D) Garden Rothunys, Landscape &
4.	Porcher House Lawn & Garden	Medium	3-5 18015	1	6.9.	\$220,000.00	\$250,000.00	Inigation
	Total vi Design / Eng. Pernit & Contingency						\$462,000.00	TOTAL: 15% Design + 5% Permitting + 14% Inflation based on 3-5 years
5.	Support Building for Amphitheatre	High	5-2 Years	1,400	2F	\$200.00	\$390,000.00	Cataring Kitchen, Green Room, Restrooms
	Total VI Cestion 7 200 Parmit & Contingency		-	-				TUTINE: 12% Design + 2% Permitting + 2% Interest desired on 1%2 years
<u>8.</u>	Harmson Street Streetscape Tool vi Design / Dig. Pernit & Coningency	Levi	5-	1	19	\$850,000.00	\$450,000.00 \$1.058,000.00	Streetscope Project is in design phase TOTML: 5% Design + 2% Permitting + 11% inflation based on 5+ years
	SUBTOTAL DOWNOWS Park Projects						\$3,064,400.00	
_	l							
	GRAND TOTAL all Listed Projects						\$19,795,410.00	



BS-GAITeam has no control over the cost of labor or materials, the General Contractors or any Subcontractor's methodo (determining prices, competitive bidding and market conditions. This opinion/ cost analysis is made on the basis of experience, qualifications, and best judgment of a professional construction constant familiar with the construction industry. BS and GAI cames, and does not, guarantee that proposals, bids or actual construction costs will not vary from this or subsequent cost opinions. GAI staff of professional cost consultants has prepared this opinion in accordance with generally accepted principles and practices. This staff is available to discuss it is construct with any interested party.