

RESTORE Act Ecosystem Restoration Project Proposals
for consideration in the Gulf Coast Ecosystem Restoration Council's Comprehensive Plan
2012

Contact Information: Matt Feeney, Public Works Director City of Bonita Springs					Date of Submittal: 12/26/12		
Name of Project: City of Bonita Springs Storm Water Plan Implementation					Org and Rank:		
Project Description: The construction of ten water quality improvement projects designed to remove 4,650 lbs of Nitrogen and reduce phosphorus levels from the Imperial River Watershed annually. These projects are the result of a detailed study completed in October of 2011 to reduce nitrogen and phosphorus loads from the urban areas of the city.							
Project Location: Bonita Springs, FL							
Responsible Party: City of Bonita Springs				Partners:			
NEP: CHNEP		Project Cost: \$2,213,562			Dollars Needed: \$2,213,562		
Start: 10/1/2013				Completion: 10/1/2017			
Status of Project Design and Permitting: Conceptual Design Complete							
What Date or Year could Construction Feasibly Begin: 2013							
Your Proposed Timing of Funding (given permits, phasing, staging, etc.)							
FY	12/13	13/14	14/15	15/16	16/17	17/18	Total
	\$633,562	\$315,000	\$345,000	\$270,000	\$390,000	\$130,000	\$2,213,562
Quantify Environmental Results and How to Measure Them: These projects are estimated to remove 4650 lbs/year of Nitrogen from the Imperial River system. The City of Bonita Springs currently monitors water quality through 13 sample sites within the Imperial River System and its watershed. The performance of these proposed projects will be observed through this monitoring program.							
Economic Benefits (including ecosystem services): The final engineering, permitting, and construction of these projects will employ engineers, consultants, and contractors and city staff to monitor and maintain the systems. A cleaner unpolluted river will increase water clarity, dissolved oxygen, fish and aquatic plant diversity, primary productivity and the carrying capacity of the river. Natural river functions such as the dispersion of clean water, production of food, nutrient recycling and recreation will be restored. Ecotourism activities such as: boating, kayaking, swimming, fishing, birding, & hiking will rise and community pride and support will be restored.							
Estimated number of Jobs Created or Preserved: The engineering, permitting, construction, and maintenance of these projects will support high paying jobs. The ecotourism jobs such as kayaking, hiking, boating, birding will support year round jobs in our warm climate. The downtown shops, restaurants, cafés, and artisan stores will require additional staffing from the increased emphasis on a clean riverfront community. It is expected that these projects will create 150 + new jobs in the above disciplines.							
How much Habitat will be restored and conserved?: The projects are designed to improve water quality throughout the entire Imperial River watershed, approximately 23.1 square miles. Cleaner water will enter the south end of Estero Bay Aquatic Preserve. This will increase the							

		Street at Palm Street		Pond & Baffle Box			
14	2015	Murat Circle at Imperial River	0.02	Baffle Box	224.31	43.00	\$75,000.00
16	2015	Dean Street at Imperial River	2.39	Dry Retention Pond	97.43	81.00	\$120,000.00
4	2016	Leitner Creek- Bypass Canal	1.45	Wet Detention Pond	9608.29	1183.00	\$270,000.00
9	2016	Kent Road at the Imperial River	19.48	Constructed Wetland	270.38	40.00	\$120,000.00
3	2017	Bonita Grande Drive at Kehl Canal	2.93	Wet Detention Pond & Baffel Box	5029.60	336.00	\$400,000.00
10	2017	Imperial Parkway at Meadow Lane	0.59	Dry Retention Pond & Baffle Box	254.88	99.00	\$130,000.00