

FY18 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
 Version 1.0, July 2016



Cooperator/Applicant: Pasco County
 Project Number/Name: **Forest Hills West**

Cooperator/Applicant to insert a short narrative about the project including anticipated benefit(s): please see CFI application

Table A - Benefit Cost Information				
Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, B/C from bottom of sheet	N/A	
Water Quality Improvement	N/A	N/A	N/A	
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Cost						
Cost Category		(a) Cooperator Share	(c) District Share	(d) Other Funding Sources	(e) Total	(f) % District Funding Match
(a)	Direct Project Administration Costs				\$0	
(b)	Land Purchase/Easement				\$0	
(c)	Planning/Design/Engineering/Environmental Documentation				\$0	
(d)	Construction/Implementation	\$1,000,000	\$1,000,000		\$2,000,000	
(e)	Construction/Implementation Contingency				\$0	
(f)	Environmental Compliance/Mitigation/Enhancement				\$0	
(g)	Construction Administration				\$0	
(h)	Other Costs (e.g. O&M)				\$0	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$1,000,000	\$1,000,000	\$0	\$2,000,000	50%

Notes:

Table C - Project Benefit Summary	
Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.	
Benefit Considered	Benefit Detail
<input checked="" type="checkbox"/>	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
<input checked="" type="checkbox"/>	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
<input checked="" type="checkbox"/>	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
<input checked="" type="checkbox"/>	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)
<i>For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.</i>	
Description of Qualitative Benefits :	

Table D - Benefit Cost Analysis		
(a)	Expected Annual Damage Without Project ⁽¹⁾	\$40,000
(b)	Expected Annual Damage With Project ⁽¹⁾	\$0
(c)	Expected Annual Damage Benefit (a) – (b)	\$40,000
(d)	Discount Rate	3.0%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	\$784,018
(g)	Total Project Cost	\$2,000,000
(h)	Benefit/Cost Ratio	0.39

⁽¹⁾ This tool assumes no population growth thus EAD will be constant over analysis period.