
**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

SUBJECT: BCR #10-01 - \$1,350,000 - Public Works - Stormwater Fund - Establishment of Funding for Stormwater Projects

DEPARTMENT: Fiscal Services

DIVISION: Budget

AUTHORIZED BY: Lisa Spriggs

CONTACT: Fredrik Coulter

EXT: 7180

MOTION/RECOMMENDATION:

Approve and authorize the Chairman to execute Budget Change Request (BCR) #10-01 through the Stormwater Fund in the amount of \$1,350,000.00 to establish and provide funding for projects in the Stormwater Fund for FY 2009/10.

County-wide

Fredrik Coulter

BACKGROUND:

See attached Background memo.

STAFF RECOMMENDATION:

Staff recommends that the Board approve and authorize the Chairman to execute Budget Change Request (BCR) #10-01 through the Stormwater Fund in the amount of \$1,350,000.00 to establish and provide funding for projects in the Stormwater Fund for FY 2009/10.

ATTACHMENTS:

1. BCR 10-01 Background
2. Budget Change Request

Additionally Reviewed By: No additional reviews

Background:

The FY 2009/10 Adopted Budget included \$1,500,000 in funding for projects, inclusive of \$150,000 for capitalization of engineering costs. Upon review and prioritization of the needs of Seminole County given the funded project amount, the attached Budget Change Request (BCR) establishes the following projects for FY 2009/10. No projects related to flood control or subdivision retrofit have been included.

TMDL / BMAP Studies and Planning Project Family (002769xx)

The Total Maximum Daily Load (TMDL) / Basin Management Action Plan (BMAP) Studies and Planning family of projects contain the professional services necessary to establish, maintain, and monitor the BMAPs for the four major water sheds within Seminole County. A separate family member is established for each of the four major water sheds in order to track the costs of each of the basins separately. A fifth family member is also established in order to appropriate funds that have not yet been designated towards a specific basin.

Current and future TMDL/ BMAP require extensive scientific and engineering analysis in order to completely understand the complex mechanisms before pollutant load allocations and subsequent capital improvement projects are required by the Florida Department of Environmental Protection (FDEP). These include, but are not limited to, nitrogen fixation analysis, sediment flux, groundwater loading, watershed specific pollutant loading, Best Management Practices (BMP) Efficiency Monitoring, reuse nutrient contributions, attenuation of loads, and legacy agricultural loads.

Seminole County's actions are required to ensure compliance with the Clean Water Act. These actions are being developed to maintain regulatory compliance in a proactive manner. This will result in a cost effective solution to meet pollutant load reduction requirements. Results of these studies are anticipated to alter (reduce) the overall pollutant load allocations and provide information that will result in more cost effective ways to meet the upcoming pollutant load reductions (including possible in-lake restoration activities).

It is anticipated that the funding for these projects will be required on an ongoing basis.

TMDL Projects – BMAP Implementation County Wide (00276901)

Project Funding - \$ 150,000

The funds are anticipated to be used for General Lake Assessments among other purposes. A General Lake Assessment is an initial inflake and aquatic plant management assessment and initial and on-going prescriptive design for TMDL associated waterbodies.

TMDL Projects – BMAP Implementation – Wekiva Basin (00276905)

Project Funding - \$ 150,000

The funds are anticipated to be used for Bear Lakes (Big Bear, Little Bear, Cub and Asher), within the Wekiva Basin.

TMDL Projects – BMAP Implementation – Lake Jesup Basin (00276906)

Project Funding - \$ 115,000

Approximately \$75,000 of the funding will be used to continue the Lake Jesup Tributaries Storm Event Monitoring. Flow data and water quality runoff information are essential in improving the TMDLs for Lake Jesup. Lake Jesup is listed as a FDEP high priority “Impaired Water Body.” It is therefore necessary to monitor the five tributaries and identify their on-going contributions to Lake Jesup in order to refine the Nutrient Loading Rates.

The remaining \$40,000 in funding will be used to update and finalize the Lake Jesup QUAL2K Water Quality Model and final report. This final report and model will be included in the Lake Jesup BMAP and should provide rationale for re-assessing/re-analyzing the Jesup TMDL during the next TMDL cycle. Staff will also be trained to use and update this model as additional information becomes available.

TMDL Projects – BMAP Implementation – Econ Basin (00276907)

Project Funding - \$-0-

No requested funding at this point. However, if needs are identified funds will be transferred as required.

TMDL Projects – BMAP Implementation – St John River Basin (00276908)

Project Funding - \$-0-

No requested funding at this point. However, if needs are identified funds will be transferred as required.

Lake Jesup Basin Capital Projects Family (000090xx)

Note: The project family is being established subsequent to the establishment of specific historical projects, therefore some of the project numbers are not in the 000090xx series.

Lake Jesup Basin - Navy Canal Regional Stormwater Facility (00192701)

Project Funding - \$20,000

For post construction design services (permit compliance – wetland mitigation).

The Lake Jesup Basin Navy Canal Regional Stormwater Facility Construction project is a regional stormwater facility for flood attenuation and water quality treatment.

	<u>Cost Summary</u>		
	Stormwater	2001 Sales Tax	Total
Total costs through 9/30/09 (incurred and budgeted)	\$ 1,107,991	\$ 1,280,592	\$ 2,388,583
BCR #10-01	20,000	-	20,000
Total Project Cost	<u>\$ 1,127,991</u>	<u>\$ 1,280,592</u>	2,408,583
Less: SJRWMD reimbursement			2,045,000
Net County Cost			<u>\$ 363,583</u>

Lake Jesup Basin - Grace Lake Design Modeling (00259501)

Project Funding - \$220,000

This project includes design, modeling, and construction of a long term solution to plug a sinkhole at Grace Lake. In addition, the project budget includes funding to allow for participation with the Seminole County School Board in conjunction with Woodlands Elementary School.

	<u>Cost Summary</u>			
	Design	Land	Construction	Total
Total costs through 9/30/09 (incurred and budgeted)	\$ 249,999	\$ 20,000	\$ 900,000	\$ 1,169,999
BCR #10-01	-	-	220,000	220,000
Total Project Cost	<u>\$ 249,999</u>	<u>\$ 20,000</u>	<u>\$ 1,120,000</u>	<u>\$ 1,389,999</u>

Lake Jesup Basin - Courtland Loop Tuska Bay (00255731)

Project Funding - \$25,000

This project consists of drainage improvements for the Tuska Bay Subdivision from the subdivision to Lake Tuskawilla, with reconstruction of the outfall to Lake Tuskawilla.

Much of the funding for this project would normally have been provided in FY 2009/10 by a carryforward of funds from FY 2008/09. However, due to issues related to the development of the FY 2009/10 budget, no carryforward of funds took place in the Stormwater Fund as part of the budget adoption process. No expenditures have taken place to date.

Lake Jesup Basin - Soldiers Creek at County Road 427 RSF (00009002)

Project Funding - \$330,000.

This proposed project is the construction of an advanced regional stormwater treatment facility (RSF) to maximize the removal efficiency of phosphorus from Soldiers Creek, which ultimately flows to Lake Jesup. Current Total Maximum Daily Load (TMDL) on Lake Jesup requires Seminole County to remove 6,411 pounds of phosphorus in the Lake Jesup Basin, to meet the Basin Management Action Plan (BMAP) that will be

adopted in late 2009. Staff is currently working to obtain funding from FDOT for construction of this facility.

	Design	Construction	Total
BCR #10-01	\$ 330,000	\$ -	\$ 330,000
Future funding requirements	-	1,100,000	1,100,000
Total anticipated cost	<u>\$ 330,000</u>	<u>\$ 1,100,000</u>	<u>\$ 1,430,000</u>

Annual operating costs for maintenance of the facility are estimated at \$250,000.

Lake Jesup Basin - Cassel Creek Stormwater Facility (00229001)

Project Funding - \$300,000

The project is the construction of a regional stormwater facility as listed in the Lake Jesup BMAP and to provide TMDL credits already granted.

	<u>Cost Summary</u>			Total
	Design	Construction	2001 Sales Tax Construction	
Total costs through 9/30/09 (incurred and budgeted)	\$ 224,506	\$ -	\$ 400,000	\$ 624,506
BCR #10-01	-	300,000	-	300,000
Total Project Cost	<u>\$ 224,506</u>	<u>\$ 300,000</u>	<u>\$ 400,000</u>	924,506
Less: SJRWMD reimbursement				224,506
Net County Cost				<u>\$ 700,000</u>

Wekiva Basin Capital Projects Family (002820xx)

Wekiva Basin - Whispering Winds Pond Retrofits (00282001)

Project Funding - \$40,000

An operating project for the major repair of three existing ponds not currently functioning as designed and permitted, and in need major repair of the underdrain, outfall structures, and grading in order to achieve regulatory compliance and maximum pollution reduction. By converting the non-functional dry ponds to functional wet ponds, the County will also receive additional pollutant load reduction credits for the Little Wekiva River Basin due to the increased pollutant load reduction capacity.

<u>Cost Summary</u>	
Total costs through 9/30/09 (incurred and budgeted)	\$ 350,000
BCR #10-01	40,000
Total Project Cost	<u>\$ 390,000</u>

*****SEMINOLE COUNTY BUDGET REQUEST*****

Budget Division Use only:

DATE: 9/30/09
 FROM: Department Public Works
 Division Various

BCR	<input checked="" type="checkbox"/>	10-01

WHAT IS NEEDED:

<p align="center">Operational Adjustment</p> <input type="checkbox"/> More funds for Budgeted program: Program is budgeted but additional funds are requested (Increased Cost) <input type="checkbox"/> More funds for Budgeted program: Program is budgeted but additional funds are requested (Increased Scope) <input type="checkbox"/> New program or service: program or service is not in this fiscal year's budget.	<p align="center">Project Adjustment</p> <input type="checkbox"/> More fund for Budgeted project: Project is budgeted but additional funds are requested. (Increased Cost) <input type="checkbox"/> More fund for Budgeted project: Project is budgeted but additional funds are requested. (Increase Scope) <input checked="" type="checkbox"/> New project: Project is not in this fiscal year's budget.
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Detailed Explanation:

To provide establish Stormwater Fund project funding for FY 2009/10.

	Fund #	13000	Fund Name	Stormwater Fund	
	FUND/ACCOUNT NUMBER	Project #	ACCOUNT TITLE	AMOUNT	
TRANSFER FROM	13000.077530.560650	99999999	Construction in Progress (Project Contingency)	\$ 1,350,000	
			TOTAL	\$ 1,350,000	
TRANSFER TO	13000.077530.560680	00192701	Construction and Design (Lake Jesup Basin Navy Canal)	\$ 20,000	
	13000.077530.530310	00276901	Professional Services (TMDL/BMAP - Countywide)	150,000	
	13000.077530.530310	00276906 (New)	Professional Services (TMDL/BMAP - Lake Jesup)	115,000	
	13000.077530.530310	00276905 (New)	Professional Services (TMDL/BMAP - Wekiva Basin)	150,000	
	13000.077530.560650	00259501	Construction in Progress (Grace Lake Design Modeling)	220,000	
	13000.077530.560650	00255731	Construction in Progress (Courtland Loop Tuska Bay)	25,000	
	13000.077530.560680	00009002 (New)	Construction and Design (Soldiers Creek at CR 427 RSF)	330,000	
	13000.077530.560650	00229001	Construction in Progress (Cassel Creek Stormwater Facility)	300,000	
	13000.077530.560650	00282001	Construction in Progress (Whispering Winds Pond)	40,000	
			TOTAL	\$ 1,350,000	

RECOMMENDATION: Approval Date 9/30/2009 Analyst F V Coulter Budget Manager _____

REVIEW: FS Director _____ County Manager _____

BCC APPROVAL: BCC Meeting Date 10/27/09 Date Signed _____ Signature Bob Dallari, Chairman

FINANCE: Transfer has been posted Date _____ Signature _____