

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20040825

1. REQUESTED MOTION:

ACTION REQUESTED: Execute Supplemental Joint Funding Agreement No. 1 to Agreement #04E0FL208013 with the U.S. Geological Survey for Water Resource Investigations. The total project cost for the Cooperative Data Collection Program is increased from \$106,238.00 to \$127,335.00. The U.S. Geological Survey is providing \$63,667.00 and Lee County's cooperative share totals \$63,668.00, requiring a \$3,313.00 increase to the Lee County participation. The U.S. Geological Survey will provide increased funding of \$17,784.00. Funding is available.

WHY ACTION IS NECESSARY: Board approval is required for all contracts and agreements and changes thereto.

WHAT ACTION ACCOMPLISHES: Provides funding to add side-looking acoustic Doppler profilers to Ten Mile Canal and Briarcliff Ditch providing critical data for hydrologic modeling and assessment of flood conditions.

2. DEPARTMENTAL CATEGORY:
COMMISSION DISTRICT #: C-W

C 8 G

3. MEETING DATE:

06-29-2004

4. AGENDA:

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

5. REQUIREMENT/PURPOSE:
(Specify)

- STATUTE
- ORDINANCE
- ADMIN. CODE
- OTHER Agreement

6. REQUESTOR OF INFORMATION:

- A. COMMISSIONER _____
- B. DEPARTMENT Public Works
- C. DIVISION Natural Resources
- BY: Roland E. Ottolini, P.E.

[Signature]

7. BACKGROUND:

The Board of County Commissioners approved U.S. Geological Survey (U.S.G.S.) Joint Funding Agreement No. 04E0FL208013 on January 13, 2004. The agreement provides joint funding of a water resources investigation program. The program includes reading of continuous stage recorders and groundwater levels in several Lee County watersheds including Gator Slough, Imperial River, Estero River, Six Mile Cypress Creek, Spring Creek, Ten Mile Canal and Whiskey Creek. The data obtained from this program are necessary for the proper calibration of the computer models developed as part of the Lee County Surface Water Management Master Plan.

When additional funds were made available to the U.S.G.S., their staff approached Lee County and suggested enhancing flow measurement accuracy of the Ten Mile Canal by adding a side-looking acoustic Doppler profiler. We are also adding a side-looking acoustic Doppler profiler at Briarcliff Ditch. In order to provide these additional services, the U.S.G.S. will provide increased funding of \$17,784.00. Lee County is required to provide additional funding of \$3,313.00. In order for the U.S.G.S. to encumber the funds, the supplement must be executed by the Board of County Commissioners by June 30, 2004.

Funds are available in Account No. OC5379014600 (Natural Resources Surface Water Management).

Attachments: Two originals of U.S. Geological Survey Supplemental Joint Funding Agreement No. 1 to Agreement 04E0FL208013, letter and e-mail from U.S.G.S. staff.

8. MANAGEMENT RECOMMENDATIONS:

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
					OA	OM	Risk	GC	
<i>[Signature]</i> 6-17-04	<i>[Signature]</i>	N/A	N/A	<i>[Signature]</i> 6/17/04	<i>[Signature]</i> 6/17/04	<i>[Signature]</i> 6/17/04	<i>[Signature]</i> 6/17/04	<i>[Signature]</i> 6/17/04	<i>[Signature]</i> 6-17-04

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
Date: *6/17/04*
Time: *2:05 pm*
Forwarded To:
Co. Admin
6/17/04

RECEIVED BY
COUNTY ADMIN. *[Signature]*
6/17 2pm
COUNTY ADMIN
FORWARDED TO:
6-17-04
[Signature]

Mail Message



[Close](#)

[Previous](#) [Next](#) [Forward](#) [Reply to Sender](#) [Reply All](#) [Move](#) [Delete](#) [Properties](#)

From: "Mitchell H Murray" <mmurray@usgs.gov>
To: Wanda Wooten
Date: Tuesday - June 15, 2004 4:09 PM
Subject: Lee County 04 amendment
 Mime.822 (4638 bytes) [View](#) [Save As](#)

Hello Wanda,

As mentioned you should be receiving my Fed-Ex tomorrow morning. It will need three signatures (2 for both amendment copies and 1 for the concurrence letter). There have been several changes since my original 2002 estimates concerning Briarcliff Ditch monitoring so I've included some notes for future reference. I will be traveling to Brooksville tomorrow but can be reached through my cell phone if you have questions about the following and need an answer quickly. I'll be back in Miami on Thursday. I hope you're successful getting this through your channels and will have to redivert the new \$ 17,784 elsewhere if we cannot get this done before the end of the month. Again, apologize for the extremely short fuse.

Notes for Lee County amendment:

Based on a 6/11/04 call to Wanda Wooten, Briarcliff Ditch channel reconfiguration now almost complete. Lee County will be funding Hydrogage Inc. directly for installation of a side-looking doppler platform/walkway and no direct walkway construction costs will change hands with the USGS. USGS/Hydrogage site meeting to be arranged. Original O & M (operation and maintenance) estimate for Briarcliff Ditch monitoring in 2002 was based on the principle of using an electromagnetic flow meter (for Briarcliff) with trenched communication line allowing for data transmission via the existing single DCP located on the mainstem Ten Mile Canal channel walkway. Due to the significant enlargement and deepening of the Briarcliff ditch a sidelooking doppler will now be required to properly monitor flows through the reconfigured culverted headwall. The expanded telemetry data stream cannot now also be transmitted through that original existing DCP. A separate DCP will now be required to handle the amount of data being collected.

Based on a previous estimate, the USGS will be charging Lee County a unique and lower than normal O & M charge for both the Tenmile Canal mainstem and side channel known as Briarcliff Ditch due to the synergy's created through the existing stage/discharge Ten Mile Canal activity. That 2004 water year cost is set at \$ 14,472/yr . Once a relationship can be evaluated between the stage/discharge relationship and the velocity index, the stage discharge relationship may be dropped if acceptable error bands with the slower flows can be achieved with the SL. If this can be accomplished costs will be adjusted accordingly.

A) (02291673)Ten Mile Canal mainstem side-looking doppler costs (installed July 2003): 2003 proration for two months of SL operation on the Ten Mile Canal mainstem (Aug/Sept) = \$ 2363. The cost for 2004 WY O & M = \$

14,472 for a Tenmile mainstem SL total of \$ 16,835.

B) Estimated Briarcliff Ditch side looking doppler set-up and O & M costs:
\$ 4262 which is the sum of #'s (1) -(3) below.

- 1) DCP installation \$ 1453 (one time costs)
- 2) DCP prorated O & M based an expected Aug installation: \$ 446
(based on two months of 2004 operation from an annual cost of \$ 2677)
- 3) proration of Briarcliff SL O & M costs based on an expected
installation date of Aug 2004: \$ 2363 (based on two months of 2004
operation from an annual cost of \$ 14,472)

From original 2004 concurrence/JFA already signed by Lee County:

USGS share: \$ 45,883
Lee share: \$ 60,355
Total: \$106,238

New combined SL 2004 costs from (A) &(B) above: \$ 21,097

Amended concurrence letter summary:

Total 2004 wy Lee/USGS program: \$ 127,335
USGS share: \$ 63,667
Lee share: \$ 63,668

Increase in USGS funds to Lee County's revised 2004 water year program = \$
17,784



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Florida Integrated Science Center (FISC)
Water and Restoration Studies (WRS)
9100 NW 36th St, Suite 107
Miami, Florida 33178

June 15, 2004

FL022

Ms. Wanda Wooten
Lee County, Public Works Building
1500 Monroe Street
Fort Myers, Florida 33901

Dear Ms. Wooten:

Attached are two original copies of a Supplemental Joint Funding Agreement, (Modification #01 to JFA #04E0FL208013), between the U.S. Geological Survey (USGS) and Lee County for the period of October 01, 2003 to September 30, 2004. Funding is hereby increased by \$17,784 to \$63,667 from the U.S. Geological Survey and \$3,313 to \$63,668 from Lee County. Please arrange for both copies of the amendment to be signed by the appropriate official(s). Retain a fully executed original for your files and return the other original to the attention of Sandye Cole at this office.

Work performed with funds from this agreement will be conducted on a fixed-price basis. Lee County will be billed one-fourth of the agreement at the end of each quarter. The results of all work under this agreement will be available for publication by the U.S. Geological Survey.

We appreciate the continued cooperation received from you and your staff and look forward to maintaining this beneficial partnership.

Sincerely yours,

María M. Irizarry
Deputy Director
Florida Integrated Science Center – Center for
Water and Restoration Studies

Enclosures

Copy to: M. Murray
A.O. FISC-CWRS
Reading File
Project Folder

June 15, 2004
FL022
04E0FL208013

LEE COUNTY

**SUPPLEMENTAL JOINT FUNDING AGREEMENT NO. 1
FOR INVESTIGATION OF WATER RESOURCES**

THIS AGREEMENT supplements the Joint Funding Agreement for water resources investigations to provide for a change in funding during the period of October 1, 2003 to September 30, 2004.

Paragraph 2a of the agreement is hereby increased by \$17,784.00 to read as follows:

- (a) \$63,667.00 by the party of the first part during the period
October 01, 2003 to September 30, 2004

Paragraph 2b of the agreement is hereby increased by \$3,313.00 to read as follows:

- (b) \$63,668.00 by the party of the second part during the period
October 01, 2003 to September 30, 2004

U.S. GEOLOGICAL SURVEY

LEE COUNTY

BY: *Maria A. Singany*

BY: _____

TITLE: DEPUTY DIRECTOR

TITLE: _____

DATE: June 15, 2004

DATE: _____

June 15, 2004
FL022
04E0FL208013

LEE COUNTY

**SUPPLEMENTAL JOINT FUNDING AGREEMENT NO. 1
FOR INVESTIGATION OF WATER RESOURCES**

THIS AGREEMENT supplements the Joint Funding Agreement for water resources investigations to provide for a change in funding during the period of October 1, 2003 to September 30, 2004.

Paragraph 2a of the agreement is hereby increased by \$17,784.00 to read as follows:

- (a) \$63,667.00 by the party of the first part during the period
October 01, 2003 to September 30, 2004

Paragraph 2b of the agreement is hereby increased by \$3,313.00 to read as follows:

- (b) \$63,668.00 by the party of the second part during the period
October 01, 2003 to September 30, 2004

U.S. GEOLOGICAL SURVEY

LEE COUNTY

BY: *Naia K. Higgins*
TITLE: DEPUTY DIRECTOR

BY: _____
TITLE: _____

DATE: *June 15, 2004*

DATE: _____

Proposed FY 2004 Hydrologic Data Collection

Type	Activity	USGS ID	Site Name	Program cost	Comp	USGS	Cooperator
SW	SPECIAL CHARGE	000000000000024	BRIARCLIFF DITCH NEAR TAMIAMI WEIR	\$4,262.00	Annual	\$2,131	\$2,131
SW	DCP	264437081550100	GATOR SLOUGH AT US41 NEAR FT MYERS FL	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	264437081550100	GATOR SLOUGH AT US41 NEAR FT MYERS FL	\$10,602.80	Annual	\$5,301	\$5,301
SW	DCP	02291500	IMPERIAL RIVER NEAR BONITA SPRINGS, FL	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02291500	IMPERIAL RIVER NEAR BONITA SPRINGS, FL	\$10,602.80	Annual	\$5,301	\$5,301
SW	DCP	02291580	NORTH BRANCH ESTERO RIVER AT ESTERO, FL	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02291580	NORTH BRANCH ESTERO RIVER AT ESTERO, FL	\$10,602.80	Annual	\$5,301	\$5,301
SW	DCP	02291669	SIXMILE CYPRESS CREEK NORTH FORT MYERS,	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02291669	SIXMILE CYPRESS CREEK NORTH FORT MYERS,	\$10,602.80	Annual	\$5,301	\$5,301
SW	DCP	02291597	SOUTH BRANCH ESTERO RIVER AT ESTERO, FL	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02291597	SOUTH BRANCH ESTERO RIVER AT ESTERO, FL	\$10,602.80	Annual	\$5,301	\$5,301
SW	DCP	02291524	SPRING CREEK HEADWATER NEAR BONITA	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02291524	SPRING CREEK HEADWATER NEAR BONITA	\$10,602.80	Annual	\$5,301	\$5,301
SW	DCP	02291673	TENMILE CANAL AT CONTROL NEAR ESTERO,	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02291673	TENMILE CANAL AT CONTROL NEAR ESTERO,	\$10,602.80	Annual	\$5,301	\$5,301
SW	SPECIAL CHARGE	02291673	TENMILE CANAL AT CONTROL NEAR ESTERO,	\$16,835.00	Annual	\$8,418	\$8,417
SW	DCP	02293230	WHISKEY CREEK AT FT. MYERS, FL	\$2,676.96	Annual	\$1,338	\$1,338
SW	FLO-WL/CON	02293230	WHISKEY CREEK AT FT. MYERS, FL	\$10,602.80	Annual	\$5,301	\$5,301