



COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM REQUEST FORM

The Board of County Commissioners meets the 1st and 3rd Thursday of each month at 5:30 p.m. in the Columbia County School Board Administrative Complex Auditorium, 372 West Duval Street, Lake City, Florida 32055. All agenda items are due in the Board's office one week prior to the meeting date.

Today's Date: 7/27/2017 Meeting Date: 8/3/2017

Name: Kevin Kirby Department: Public Works

Division Manager's Signature:

A handwritten signature in blue ink, appearing to read "K. Kirby", is written over a horizontal line.

1. Nature and purpose of agenda item:

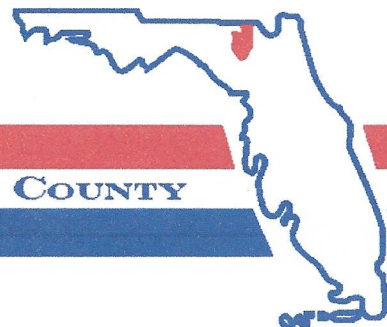
Cannon Creek Storm Water Mitigation Project

2. Recommended Motion/Action:

There is no recommended motion or action.

3. Fiscal impact on current budget.

This item has no effect on the current budget.



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Memo

Date: July 25, 2017
To: Ben Scott, County Manager
From: Kevin Kirby, Assistant County Manager 
RE: Cannon Creek Storm Water Mitigation Project

Per the Boards request I have been asked to provide an update on the above referenced project.

In 2008 the Cannon Creek Project was (1) one of (5) five projects that the County initially approved.

As you are aware SRWMD had initially agreed to assist with funding, but the funding is no longer available. Due to the SRWMD funding no longer available the County applied for grant funding and received \$3,000,000, signed by the BOCC March, 2016, for this project. The County has spent \$340,000 in non-reimbursable funds on the Cannon Creek project prior to the grant being awarded.

Per the grant, the project consists of three categories:

1. Engineering
2. Property Acquisition
3. Construction

Attached is the schedule of values utilized for the grant application indicated a total project cost of \$2,712,226.

On July 11, 2017 I met with NFPS wherein they revised the construction cost to \$2.294 million which is a 96% increase over what we were provided on February 23, 2012 of \$1.2 million.

Also, attached is a schedule of values that show the Engineering cost and land acquisition costs have remained the same; the current price for the entire project is now \$4.23 million which is well over the \$3 million dollar grant we received.

The following is a summary of the project:

1. \$340,000 – County has spent on Engineering and Surveying that is non-reimbursable.
2. \$705,000 – County has spent to date on Engineering, Surveying and Property Acquisitions.
3. \$1,873,052 County estimates being spent on Engineering, Surveying and Property Acquisitions at the completion of the project.
4. \$2,364,402 County estimates being spent Contractually.
5. \$4,237,454 County estimates being spent on Engineering, Surveying, Property Acquisitions and Construction at the completion of the project.

The Following are options to be considered:

1. To go forward with the project and have all work performed contractually.
 - County will fund 1.23 million out of pocket
 - Have Complete Project
2. Public Works to self-perform all clearing, grubbing, and excavation of ponds.
 - This would reduce the total cost of project to \$2,964,334
 - Utilizing County forces will take approximately 1 year to complete project.
3. Adjust the grant criteria (modify the project) to match available grant funding.
 - Reducing the project benefits
 - Delaying the project (if DEP allows)
4. Stop Project at this point.
 - County will have spent \$705,000 that is reimbursable
 - County will have spent \$340,000 that is non-reimbursable.
 - No project.

Based on which option is decided; the County is eligible to apply for reimbursement up to the \$3 million upon completion of the grant.

Currently the County has spent a total \$1,044,089.29 of which \$705,000 will be reimbursable assuming the project categories are completed.

Cannon Creek Project

Home Depot

Property Acquisition	\$668,501.00
Wetland Mitigation	\$150,000.00
Construction	\$450,000.00
	<u>\$1,268,501.00</u>

Airpark

Property Acquisition	\$473,725.00
Wetland Mitigation	\$200,000.00
Construction	\$770,000.00
	<u>\$1,443,725.00</u>

TOTAL \$2,712,226.00

Both Phases

Property Acquisition	\$1,142,226.00
Wetland Mitigation	\$350,000.00
Construction	\$1,220,000.00

TOTAL \$2,712,226.00

<u>USED IN GRANT APPLICATION</u>		Additional requested	% additional
Property Acquisition	\$1,200,000.00	\$57,774.00	5.06%
Design/Permitting	\$500,000.00	\$150,000.00	42.9%
Construction	\$1,300,000.00	\$80,000.00	6.6%
TOTAL	\$3,000,000.00	\$287,774.00	10.61%

OPINION OF PROBABLE CONSTRUCTION COST **CANNON CREEK DRAINAGE - AIRPARK IMPROVEMENTS**

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
101-1	Mobilization	1	LS	8.00%	\$66,606.00
102-1	Maintenance of Traffic	1	LS	\$3,000.00	\$3,000.00
104-1	Erosion Control Blanket	62	SY	\$7.25	\$449.50
104 - 1 - 3	Sediment Barrier	17100	LF	\$2.65	\$45,315.00
104-12	Staked Turbidity Barrier	715	LF	\$3.31	\$2,366.65
110- 1 - 1	Clearing and Grubbing	35.7	AC	\$4,500.00	\$160,650.00
104-15	Soil tracking prevention device	4	EA	\$1,500.00	\$6,000.00
120-1	Regular Excavation	229712	CY	\$3.50	\$803,992.00
285-704	Optional Base, OBG 4	262	SY	\$18.50	\$4,847.00
286-1	Turnouts	91	SY	\$28.00	\$2,548.00
334-1-12	Type SP Asphaltic Concrete	34	TN	\$137.00	\$4,658.00
400-1-2	Class I Concrete, Endwalls	54	CY	\$1,350.00	\$72,900.00
400-4-1	Class IV Concrete, Culverts	72.9	CY	\$1,450.00	\$105,705.00
415-1	Reinforcing Steel	1456	LB	\$1.52	\$2,213.12
425-1-571	Ditch Bottom Inlet, Type G, modified	1	EA	\$6,100.00	\$6,100.00
425-1-581	Ditch Bottom Inlet, Type H	1	EA	\$5,600.00	\$5,600.00
430-175-118	18" Storm Drain pipe	68	LF	\$24.00	\$1,632.00
430-175-124	24" Storm Drain pipe	60	LF	\$42.00	\$2,520.00
430-175-148	48" Storm Drain pipe	172	LF	\$65.00	\$11,180.00
430-175-248	57"x38" CMA pipe	240	LF	\$48.00	\$11,520.00
430-175-260	71"x47" CMA pipe	160	LF	\$88.00	\$14,080.00
430-982-125	Mitered End Section, 18" Storm Drain pipe	4	EA	\$1,350.00	\$5,400.00
430-982-129	Mitered End Section, 24" Storm Drain pipe	6	EA	\$1,450.00	\$8,700.00
430-982-141	Mitered End Section, 48" Storm Drain pipe	1	EA	\$2,250.00	\$2,250.00
524-1-1	Concrete Ditch Pavement, 3"	5062	SY	\$40.00	\$202,480.00
530-3-4	Riprap, rubble	800	TN	\$55.00	\$44,000.00
570-1-2	Performance Turf - sod	17000	SY	\$2.25	\$38,250.00
999-001	Wetland plants	3	AC	\$5,000.00	\$15,000.00
999-003	Water level measurement hardware	1	EA	\$1,000.00	\$1,000.00
TOTAL CONSTRUCTION COST					\$1,650,962.27
COST FOR MITIGATION CREDITS (5.0 ACRES)					\$500,000.00

Engineer's opinion of probable Construction Cost is made on the basis of Engineer's experience and qualifications; and represents Engineer's best judgment as an experienced and qualified professional generally familiar with the construction industry. However, since Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer.

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OPINION OF PROBABLE CONSTRUCTION COST CANNON CREEK DRAINAGE - HOME DEPOT IMPROVEMENTS

Jerial Edenfield Culvert Replacement

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
102-1	Maintenance of Traffic	1	LS	\$3,000	\$3,000
104 - 1 - 3	Sediment Barrier	60	LF	\$2.65	\$159.00
110 - 1	Clearing and Grubbing	1	LS	\$3,000.00	\$3,000.00
285-704	Optional Base Group, OBG 4	48	SY	\$18.50	\$888.00
334-1-12	Type SP Asphaltic Concrete	6	TN	\$137.00	\$822.00
430-175-124	24" CD pipe, round concrete	222	LF	\$42.00	\$9,324.00
430-982-129	Mitered End Sections, 24" CD, round concrete	6	EA	\$1,350.00	\$8,100.00
530-3-4	Riprap, rubble	10.7	TN	\$55.00	\$588.50
570-1-2	Performance Turf - sod	72	SY	\$2.45	\$176.40
710-90	Painted Pavement Markings	1	LS	\$1,000.00	\$1,000.00
TOTAL					\$27,057.90

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OPINION OF PROBABLE CONSTRUCTION COST CANNON CREEK DRAINAGE - HOME DEPOT IMPROVEMENTS

SWMF #1

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
102-1	Maintenance of Traffic	1	LS	\$800.00	\$500.00
104 - 1 - 3	Sediment Barrier	1939	LF	\$2.65	\$5,138.35
110 - 1	Clearing and Grubbing	4.2	AC	\$4,500.00	\$18,900.00
104-15	Soil tracking prevention device	1	EA	\$1,200.00	\$1,200.00
120-1	Regular Excavation	28164	CY	\$3.50	\$98,574.00
286-1	Turnouts	91	SY	\$28.00	\$2,548.00
570-1-2	Performance Turf - sod	8573	SY	\$2.45	\$21,003.85
999-001	Wetland plants	2.18	AC	\$5,000.00	\$10,900.00
999-002	Water level measurement hardware	1	EA	\$1,000.00	\$1,000.00
TOTAL					\$159,764.20

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OPINION OF PROBABLE CONSTRUCTION COST CANNON CREEK DRAINAGE - HOME DEPOT IMPROVEMENTS

SWMIF #2

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
102-1	Maintenance of Traffic	1	LS	\$800.00	\$500.00
104 - 1 - 3	Sediment Barrier	3158	LF	\$2.65	\$8,368.70
110 - 1	Clearing and Grubbing	13.8	AC	\$4,500.00	\$62,100.00
104-15	Soil tracking prevention device	1	EA	\$1,200.00	\$1,200.00
120-1	Regular Excavation	49869	CY	\$3.50	\$174,541.50
286-1	Turnouts	91	SY	\$28.00	\$2,548.00
430-174-115	15" SD pipe, Optional Round	73	LF	\$26.00	\$1,898.00
430-174-124	24" SD pipe, Optional Round	46	LF	\$42.00	\$1,932.00
430-174-142	42" SD pipe, Optional Round	48	LF	\$54.00	\$2,592.00
430-984-123	Mitered End Section, 15" SD pipe	1	EA	\$1,250.00	\$1,250.00
430-984-129	Mitered End Section, 24" SD pipe	1	EA	\$1,350.00	\$1,350.00
430-984-140	Mitered End Section, 42" SD pipe	1	EA	\$1,450.00	\$1,450.00
530-3-4	Riprap, rubble	15.7	TN	\$55.00	\$863.50
570-1-2	Performance Turf - sod	17830	SY	\$2.45	\$43,683.50
999-001	Wetland plants	9.18	AC	\$5,000.00	\$45,900.00
999-002	6" Drainage well	1	LS	\$40,000.00	\$40,000.00
999-003	Water level measurement hardware	1	EA	\$1,000.00	\$1,000.00
TOTAL CONSTRUCTION COST					\$391,177.20

COST FOR MITIGATION CREDITS (4.37 ACRES) \$437,000.00

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OPINION OF PROBABLE CONSTRUCTION COST **CANNON CREEK DRAINAGE - HOME DEPOT IMPROVEMENTS**

Quail Ridge Improvements

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
102-1	Maintenance of Traffic	1	LS	\$3,000	\$3,000
104 - 1 - 3	Sediment Barrier	160	LF	\$2.65	\$424.00
110 - 1	Clearing and Grubbing	1	LS	\$3,000.00	\$3,000.00
285-704	Optional Base Group, OBG 4	80	SY	\$18.50	\$1,480.00
334-1-12	Type SP Asphaltic Concrete	8.8	TN	\$137.00	\$1,205.60
425-2-41	Manhole	2	EA	\$3,200.00	\$6,400.00
425-1-581	Inlets, Ditch Bottom, Type H	2	EA	\$5,900.00	\$11,800.00
430-175-136	36" CD pipe, round concrete	97	LF	\$52.00	\$5,044.00
430-175-148	38"x60" elliptical concrete pipe	531	LF	\$65.00	\$34,515.00
430-982-129	Mitered End Sections, 36" CD, round concrete	2	EA	\$1,400.00	\$2,800.00
430-982-141	Mitered End Sections, 38"x60" elliptical	2	EA	\$1,450.00	\$2,900.00
570-1-2	Performance Turf - sod	712	SY	\$2.45	\$1,744.40
710-90	Painted Pavement Markings	1	LS	\$1,000.00	\$1,000.00
TOTAL					\$75,313.00

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OPINION OF PROBABLE CONSTRUCTION COST **CANNON CREEK DRAINAGE - HOME DEPOT IMPROVEMENTS**

Faith Road Culverts

Pay Item No.	Pay Item Description	Quantity	Units	Unit Price	Total Cost
102-1	Maintenance of Traffic	1	LS	\$3,000.00	\$3,000.00
104 - 1 - 3	Sediment Barrier	100	LF	\$2.65	\$265.00
110 - 1	Clearing and Grubbing	1	LS	\$3,000.00	\$3,000.00
285-704	Optional Base Group, OBG 4	56	SY	\$18.50	\$1,036.00
334-1-12	Type SP Asphaltic Concrete	6.2	TN	\$137.00	\$849.40
425-1-551	Ditch Bottom Inlet, Type E, <10'	2	EA	\$5,750.00	\$11,500.00
430-174-124	24" SD pipe, optional round	90	LF	\$42.00	\$3,780.00
430-175-130	36" CD pipe, round concrete	411	LF	\$52.00	\$21,372.00
430-982-138	Mitered End Sections, 36" CD, round concrete	6	EA	\$1,450.00	\$8,700.00
430-984-129	Mitered End Sections, 24" SD, optional round	4	EA	\$1,350.00	\$5,400.00
570-1-2	Performance Turf - sod	92	SY	\$2.45	\$225.40
710-90	Painted Pavement Markings	1	LS	\$1,000.00	\$1,000.00
TOTAL					\$60,127.80

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