

AMENDMENT NO. 4 TO STORMWATER FLOW MONITORING CONTRACT

CONTRACT NO. 07-002

This AMENDMENT, entered into the last date noted below, by and among the City of Tallahassee, a municipal corporation created and existing under the laws of the State of Florida, hereinafter referred to as the "CITY", LEON COUNTY, a political subdivision of the State of Florida, hereinafter called the "COUNTY" and the Northwest Florida Water Management District, an agency operating under the authority of Chapter 373, Florida Statutes, hereinafter referred to as the "DISTRICT", provides for the continuation of the Stormwater Flow Monitoring Contract (No. 07-002) between the aforementioned parties for an additional one-year period through September 30, 2011. The compensation section of the Contract is also amended to provide an additional \$68,000 from the CITY and an additional \$61,700 from the County for a total of \$129,700 in compensation to the DISTRICT for the one-year continuation period.

This Contract may be continued for additional one-year periods as provided for and pursuant to the provisions of paragraph twelve of the original Contract.

The operation and maintenance of the Stormwater Flow Monitoring Program by the DISTRICT for the 2010/2011 contract period is described in "ATTACHMENT A (2010/2011 Revision)" which is attached hereto and made a part hereof by reference.

The CITY and the COUNTY shall have the option to separately request the DISTRICT to provide supplementary monitoring services as provided for and pursuant to the provisions of paragraph eleven of the original Contract. Compensation for Supplementary Monitoring services shall be invoiced to the party requesting the services in accordance with the fee schedule described in "ATTACHMENT B (2010/2011 Revision)" which is attached hereto and made part hereof by reference. All supplementary services shall be invoiced quarterly to the party requesting the services as provided for and pursuant to the provisions of paragraph nine of the original Contract.

Supplementary monitoring services requested by the COUNTY are described in "ATTACHMENT C (2010/2011 Revision)" which is attached hereto and made a part hereof by reference.

Supplementary monitoring services requested by the CITY are described in "ATTACHMENT D (2010/2011 Revision)" which is attached hereto and made a part hereof by reference.

All other items and conditions of the original Contract remain in full force and effect.

The parties hereto have duly executed this AMENDMENT in quintuplicate on the day and year indicated below, to indicate the continued performance under the Contract through September 30, 2011.

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Amendment No. 4 to Stormwater Flow Monitoring Contract

LEON COUNTY, FLORIDA

By: _____
County Administrator

ATTEST:
Bob Inzer, Clerk of the Court
Leon County, Florida

Approved as to Form:
Leon County Attorney's Office

By: _____

By: _____
Herbert W. A. Thiele, Esq.

CITY OF TALLAHASSEE

ATTEST:

By: _____
City Treasurer-Clerk

By: _____
City Manager

Date: _____

Approved as to Form:
City Attorney's Office

By: _____
City Attorney

**NORTHWEST FLORIDA
WATER MANAGEMENT DISTRICT**

By:  _____
Douglas E. Barr
Executive Director

Date: 11/23/10

**ATTACHMENT A
(2010/2011 Revision)**

The Stormwater Flow Monitoring Program includes thirty one surface water and rainfall data collection stations in the City of Tallahassee and Leon County. The cost estimates and scope of work for maintaining and operating this program are outlined below.

This monitoring program is intended to collect dry weather and storm event stage and discharge data at major outfall locations in Leon County and the City of Tallahassee, Florida. The data collected in this program will aid in partially fulfilling U.S. Environmental Protection Agency National Pollutant Discharge Elimination System (NPDES) stormwater regulation requirements. More specifically the data will: provide continuing records of precipitation and surface water discharges; provide flow volumes which will aid in estimating annual pollutant loads; aid to verify improvements as a result of actions taken under the City/County Comprehensive Stormwater Management Plan. The data will also be needed for updating hydrologic and flooding elevation data as actual growth and development occurs. The continuation of this monitoring program is recommended as part of the Comprehensive Stormwater Management Plan.

Monitoring Station Descriptions

<u>Station Type</u>	<u>Number of Sites</u>	<u>Station Map Number (see attached map)</u>
Stream Discharge	11	4, 6, 10, 14, 15, 20, 22, 72, 100, 128, 660
Stream Stage	4	19, 35, 39, 70
Stream Stage/Rainfall	1	125/125
Stream Discharge/Rainfall	2	3/601*, 31/618
Rainfall station	<u>10</u>	602*, 605*, 606*, 610*, 613*, 616*, 623, 626, 628, 631*
Total Stations	28	

Annual Station Operation and Maintenance ⁽¹⁾

<u>Station Type</u>	<u>Annual Cost</u>	<u>No. of Stations</u>	<u>Total Cost</u>
Stream Discharge Station	\$3,400.00	11	\$37,400.00
Stream Discharge/Rain Station	\$3,400.00	2	\$ 6,800.00
Stage Level Station	\$2,200.00	4	\$ 8,800.00
Stage/Rainfall Station	\$2,200.00	1	\$ 2,200.00
Rainfall Station	\$2,200.00	10	\$22,000.00
*Telemetry Maintenance	\$ 300.00	8	\$ 2,400.00

TOTAL PROJECT COST **\$79,600.00**

City of Tallahassee Annual Cost (50% of Total Project Cost) **\$39,800.00**

Leon County Annual Cost (50% of Total Project Cost) **\$39,800.00**

(1) Station Operation and Maintenance includes: maintenance, operation, data retrieval in a computerized format, discharge measurements at stream stations, computation of station flow rating, storage of data in District Surface Water Database, monthly data reports, and delivery of digital data collected on the Project. All stormwater monitoring equipment operated, maintained, purchased or replaced for the Joint City/County Stormwater Monitoring Program, shall remain as property of the District, except platforms used to mount monitoring equipment.

ATTACHMENT B
(2010/2011 Revision)

Revised Cost Schedule – Amendment No.4
 Supplementary Monitoring Services

Pursuant to Paragraph 4 of Amendment No. 3 to the Stormwater Flow Monitoring Contract, a revised fee schedule is provided for installation, operation and maintenance of additional monitoring stations as requested by the City or County.

<u>A. Stream Station Installation Costs</u>	<u>Unit Price</u>
Construction materials and supplies	\$ 400.00
Data logger, battery, cables	\$1,500.00
Water level sensor (high res., w/lightning grd sys.)	\$1,200.00
Station installation labor	<u>\$2,100.00</u>
Stream Station Installation Cost:	\$5,200.00⁽¹⁾

<u>B. Rainfall Station Installation Costs</u>	<u>Unit Price</u>
Construction materials and supplies	\$ 400.00
Data logger, battery, cables	\$1,500.00
Hydrologic Services – TB3 tipping bucket w/mount	\$1,075.00
Station installation labor	<u>\$1,300.00</u>
Rainfall Station Installation Cost:	\$4,275.00⁽¹⁾

<u>C. Telemetry System Installation Costs</u>	<u>Unit Price</u>
Construction materials and supplies	\$ 400.00
Communication equipment	\$2,500.00
System installation labor	\$ 900.00
Telemetry System Installation Cost:	\$3,800.00⁽²⁾

<u>Station Operation and Maintenance Costs</u>	
<u>Station Type</u>	<u>Annual Station Cost⁽³⁾</u>
Stage or Rainfall Station Operational Cost	\$2,200.00
Stage/Discharge Station Operational Cost	\$3,400.00
Stage or Rainfall Station (Telemetered) Operational Cost	\$2,500.00
Stage/Discharge Station (Telemetered) Operational Cost	\$3,700.00

- (1) Equipment, materials, and installation costs are for non-telemetered stream and rainfall stations.
- (2) Cost of addition of telemetry to an existing or new monitoring station.
- (3) Annual cost for Station Operation and Maintenance is \$2,200.00 for stream and rainfall stations and \$3,400.00 for stream discharge stations. Annual cost for Station Operation and Maintenance is \$2,500.00 for telemetry stage and rainfall stations and \$3,700.00 for stage/discharge stations due to additional operational costs for these stations. Station Operation and Maintenance costs will be billed on a quarterly basis for the prorated cost for active stations and include: maintenance, operation, data retrieval in a computerized machine readable format, storage of data in District's Surface Water Database, monthly data reports, and delivery of digital data collected on the Project.

**ATTACHMENT C
 (2010/2011 Revision)**

Stormwater Monitoring Project

**Revised Cost Schedule – Amendment No.4
 Supplementary Monitoring Services - Leon County**

Monitoring Station Description

<u>Station Type</u>	<u>Number of Sites</u>	<u>Station Location (Station map number)</u>	<u>Annual Cost ⁽¹⁾</u>
Stage Station	2	Gum Swamp Outfall, Lauder Pond (74, 680)	\$4,400.00
Telemetered Rainfall	1	Commonwealth Blvd (648)	\$2,500.00
Telemetered Rainfall	3	Capital Area Flood Warning Network (654, 803, 804)	\$7,500.00
Telemetered Stage/Rainfall	3	Capital Area Flood Warning Network (555, 729, 810)	\$7,500.00
TOTAL SUPPLEMENTARY SERVICES COST			\$21,900.00

(1) Annual cost for Station Operation and Maintenance is \$2,200.00 for non-telemetry stream and rainfall stations. Annual cost for Station Operation and Maintenance is \$2,500.00 for telemetry stage and rainfall stations in the Capital Area Flood Warning Network (CAFWN) due to additional operational costs for these stations. Station Operation and Maintenance costs will be billed on a quarterly basis for the prorated cost for active stations and include: maintenance, operation, data retrieval in a computerized format, storage of data in District's Surface Water Database, monthly data reports, and delivery of digital data collected on the Project. The County maintains ownership of the equipment and materials for the CAFWN monitoring stations. The County will be responsible for repair costs, replacement equipment and materials for monitoring stations in this program.

