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WORK AUTHORIZATION # CM1654-WA03

**NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
RFQ/BID NO. NC10-004**

Consultant:	McCranie & Associates, Inc.
Contract Number:	CM1654
Contact Name:	Dan McCranie
Contact Number:	904-335-8685
Email:	dan@mccranie-engineers.com

CURRENT WORK AUTHORIZATION			
Project Short Title: Jasmine Street Drainage Study			
		CONTRACT OVERVIEW	
		Total of Previous Authorizations	\$253,531.00
Date Submitted	5/9/12	Adjustments/Change Orders	\$20,961.00
Amount	\$49,818.69	This Work Authorization	\$49,818.69
Scheduled Completion	(see below)	Current Contract Total	\$324,310.69

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Professional Engineering Services for Nassau County, Florida, dated September 8, 2010. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

McCranie & Associates shall provide for Nassau County basic services in accordance with terms and conditions of the Contract. The purpose of this study is to evaluate the causes of the drainage problems on Jasmine Street (from 14th Street to +/- 1,000 east of Citrona Drive) and to recommend solutions for Nassau County. Services shall be provided as set forth in the described Scope of Services, attached hereto as Exhibit "A".

ARTICLE 2. Time Schedule

McCranie & Associates shall begin upon issuance of the Notice to Proceed (NTP) and will submit the Drainage Report within 45 days. After receiving any comments on the report, McCranie & Associates will submit the Final Drainage Report within 10 days.

ARTICLE 3. Budget

McCranie & Associates shall complete the design for a lump sum cost of \$49,818.69 (see Exhibit "B").

Article 4. Other Provisions


The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

03402541-563300 JASMN ✓

In presenting this Work Authorization, Consultant agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed scope of services is attached.

AGREED TO BY:

BY: 
Print Name: Elizabeth McCrae
Title: President
Date: 5-14-12

RECOMMENDED AND APPROVED BY NASSAU COUNTY:


Public Works Director:


Scott Herring, Director

Contract Management:


Charlotte J. Young, Contract Manager

Office of Management & Budget:

 6-6-12
Shanea Jones

County Manager:

 6/6/12
Ted Selby

APPROVED by the County Manager, designee for the BOARD OF COUNTY COMMISSIONERS, the 6th day of June, 2012.

ACCOUNT NO.: 03402541-563300 JASUN

SCOPE-OF-SERVICES

NASSAU COUNTY

JASMINE STREET DRAINAGE STUDY

May 9, 2012

GENERAL DESCRIPTION OF WORK

The purpose of this study is to evaluate the causes of the drainage problems on Jasmine Street (from 14th Street to +/- 1,000 east of Citrona Drive) and to recommend solutions for Nassau County. The study will include a detailed inventory of the existing drainage system as well as a detailed recommendation of the proposed drainage improvements.

The study will include two major tasks; Task 1 will be the creation of the drainage model. Task 2 will be the drainage report and recommendations.

Task 1: Drainage Study

The following tasks describe the scope of services to accomplish the goals established for this project.

Task 1.1: Data Collection

This task will focus primarily on compiling all of the required data in order to properly create the drainage model of the Jasmine Street corridor. We will collect and compile all existing GIS data, all design plan and topographic data from our other projects in the area, and all SJRWMD permit data. We will then create a master database of all CADD and GIS information and calibrate the data to the same reference coordinates. We will also use the County's LIDAR information and include it in our master files.

Task 1.2: Existing Model Creation

The Consultant shall model the existing conditions using adICPR. The model results will be calibrated based upon historical flooding elevations and observed high water marks.

Task 1.3: Proposed Model Creation

The Consultant shall model the proposed improvements using adICPR. The proposed model will include one alternatives in order to resolve the flooding issues. Consultant will create an engineers estimate of repair costs.

Task 1.4: Meetings

This item is included to cover up to 2 meetings with County Staff, and internal meetings. This task includes meeting preparation and written reports on meetings for the County.

Task 1.5: Storm Sewer Pipe Inspection

Consultant shall have the main storm-drain system along Jasmine St TV'd. The video, along with a report, will show the current condition of the mainline trunk system. This

includes approximately 2,800' of pipe (from 14th Street to +/- 1,000 east of Citrona Drive). This does not include any cleaning or any de-watering of the system. If de-watering is needed, we will immediately contact the County's Engineering Department for direction. The inspection shall be in accordance with FDOT Spec 430-4.8 and 430-4.8.1. Results of the inspection shall be evaluated by the Consultant and included in the final report.

TASK 2: Drainage Report

Task 2.1: Drainage Report

Consultant will provide a final report with an executive summary and a GIS database showing the recommended repairs. The summary and pertinent data will be provided in a format that can be easily reviewed and compatible with the County's GIS system.

The final report will be completed following approval of the Nassau County Engineering Department. The final report will include a cost estimate of the proposed improvements. A digital copy of the report will be included.

Schedule

Upon notice to proceed, Consultant will submit the Drainage Report within 45 days. After receiving any comments on the report, Consultant will submit the Final Drainage Report within 10 days.

NASSAU COUNTY						
JASMINE STREET DRAINAGE STUDY						
McCranie & Associates, Inc.						
Activity	Project Manager	Engineer II	GIS Specialists	Draftsman	Admin	Total Man-hours
TASK 1: DRAINAGE STUDY						
TASK 1.1 - DATA COLLECTION						
Compile all GIS Data & LIDAR	16	8	20		4	48
Compile all existing design data	4			16	4	24
Compile all SJRWMD data	4	16		8	8	36
Georeference all data	10		6	4		20
Create existing structure database	4		6	6	4	20
Task 1.1 Subtotal	38	24	32	34	20	148
TASK 1.2 - EXISTING MODEL CREATION						
Create existing model	30	8	4		4	46
Calibrate existing model	16	8			4	28
						0
Task 1.2 Subtotal	46	16	4	0	8	74
TASK 1.3 - PROPOSED MODEL CREATION						
Create proposed model	25	8			2	35
Compare model with CDM's Master Drainage Study	10	5		4	2	21
Create estimate of costs for alternative		12			4	16
						0
						0
						0
						0
Task 1.3 Subtotal	35	25	0	4	8	72
TASK 1.4 - MEETINGS						
In house meetings	3		4	4	2	13
Client Meetings	3				2	5
						0
Task 1.4 Subtotal	6	0	4	4	4	18
TASK 2: DRAINAGE REPORT						
TASK 2.1 - DRAINAGE REPORT						
Create Drainage Report	15	4			8	27
Develop Maps and Graphics	4	16	16		8	44
Task 2.1 Subtotal	19	20	16	0	16	71
TOTAL Hours by Position	144	85	56	42	56	383
Hourly Billing Rate	\$153.67	\$151.23	\$98.35	\$98.35	\$55.31	
Total Fees by Position	\$22,128.48	\$12,854.55	\$5,507.60	\$4,130.70	\$3,097.36	
				Total Estimated Labor		\$47,718.69
Outside Services (Task 1.5) Pipe TV						\$2,100.00
Total Estimated Fee						\$49,818.69