City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
214 N. Hogan St., 10th floor
Jacksonville, FL 32202
(904) 255-8786
www.coj.net

ONE CITY. ONE JACKSONVILLE.

May 11, 2017

TO: Gregory W. Pease, Chairman
Professional Services Evaluation Committee

THRU: John P. Pappas, P.E.
Director

FROM: Tom Fallin, P. E.
Chief, Engineering and Construction Management Division

R. Duane Kent, P.E.
Engineer Manager

SUBJECT: P-22-16 Master Stormwater Management Plan (MSMP) Program Management Services- Annual Contract
Consultant Services Account Nos.: PWCP462SD-06505-PW0805-01 $80,202
Internal Services Account No.: PWEN011AD

The Engineering Division has negotiated with the consultant selected for Master Stormwater Management Plan (MSMP) Program Management Services- Annual Contract resulting in the attached Scope of Services, Exhibit A and Contract Fee Schedule, Exhibit B. MBE firms to be utilized to meet the 15% Participation Percentage Plan for this contract are detailed on a separate attachment.

Accordingly, this is to recommend that the City of Jacksonville enter into a contract with CDM Smith, Inc. for Master Stormwater Management Plan (MSMP) Program Management Services- Annual Contract, that incorporates the attached Scope of Services, Exhibit A and Fee Schedule, Exhibit B, to provide a lump sum amount for Program Management Services in the amount of $80,202.00; with a maximum indebtedness to the City in the amount of $80,202.00. The initial Period of Service will be for two (2) years with the option to extend such contract for two (2) additional two (2) year periods upon satisfactory performance by the Consultant. All other terms and conditions are as provided in the RFP and the City's standard contract language.

JPP/lw

Attachments: Exhibits A & B
MBE Participation

cc: Lori A. West, Engineering Contract Specialist

EXHIBIT A

FOR

CITY OF JACKSONVILLE

MASTER STORMWATER MANAGEMENT PLAN
PROGRAM MANAGEMENT SERVICES

May 9, 2017

This Authorization, when executed, shall be incorporated in and become part of the Agreement for Professional Services between the City of Jacksonville (CITY), and CDM Smith Inc. (ENGINEER), dated May 9th, 2017 hereafter referred to as the Agreement.

PROJECT BACKGROUND

The CITY conducted a major update to their 1992 Master Stormwater Management Plan (MSMP) in 2011 and updated the tributary stormwater models in 2013. Since that time, the CITY has continued to develop and implement capital improvement projects. The 1992 and 2011 MSMP documents considered combined rainfall and tidal flooding to most accurately define flooding and solutions.

Since the 2013 update, additional information for sea level rise (SLR), tidal surge impacts, and tropical storms (e.g., Mathew) provide an opportunity for coastal infrastructure resiliency planning coordination with the CITY's stormwater program to further prepare the CITY for a wide array of possible future conditions. Under this task authorization, the CITY will incorporate these new data and perform a vulnerability analysis to identify critical infrastructure that may be at risk under different given future SLR scenarios.

The CITY's 2013 MSMP will be updated and evaluated for land use changes, implementation of projects and potential future SLR and precipitation change scenarios to allow for the recommendation of actions to continue to resiliently protect public safety and this infrastructure. For the subbasins with land use changes and project implementation, the CITY will update the existing MSMP as-needed based on magnitude and of implemented major projects and/or development, or for areas that have not been studied in detail in the past. The result will be an updated list of capital improvement projects to improve flood control level of service (LOS) throughout the updated project areas.

SCOPE OF WORK

The scope of services for this contract will include the following.

1) Water Quality and TMDL Support;
2) Update of MSMP and Capital Improvement Plan (CIP);
3) Resiliency Analysis and Planning; and
4) Stormwater Outreach Support;

This initial phase will support the Water Quality and TMDL component specifically for Doeboy Regional Stormwater Facility. Additional phases will be added by amendment.

Phase One - Doeboy Regional Stormwater Facility

The ENGINEER will assist the City in submitting an application for the Doeboy Regional Stormwater Facility for a 2017-2018 Districtwide Cost-share Grant. The following subtasks outline the work associated with preliminary design, grant application submittal, and development of a design criteria package for the project.

Conceptual Design

ENGINEER has previously conducted site inspections and preliminary wetland delineations at the project site. This information along with the 2013 MSMP model for the Moncrief Creek Basin will be used to evaluate project alternatives that capture and treat flows from Moncrief Creek in the open water borrow pit immediately north of the Doeboy Dump. The following constraints will be used to develop and evaluate project alternatives:

- Phase 1 of project will be sized to fit into the open water portion of the borrow pit (approximately 3 acres). Phase 2 will enlarge the facility to approximately 6 acres.
- Moncrief Creek is a Category 3 navigable water and cannot be blocked or dammed in a way that prevents recreational use; however, an intake structure or pump station may be considered to divert flow to the proposed facility.
- Moncrief creek is tidal at this location and tidal flows should be maintained upstream of the project to maintain existing flora and fauna.
- Sediments in the borrow pit area are likely contaminated from the adjacent dump site and may require special disposal
- Slurry cut-off walls or other facilities to hydraulically isolate groundwater on the adjacent dump site from entering the proposed stormwater treatment facility is assumed to be part of remediation activities associated with the dump site and are not included in the scope of the proposed alternative.

ENGINEER will calculate expected water quality benefits for the proposed alternative using the approved FDEP BMP Calculation Spreadsheet. Dry year precipitation values will be used to calculate facility permanent pool volume, residence time, and associated nutrient removal for total nitrogen and total phosphorus. Additionally, ENGINEER will develop a preliminary Opinion of Probable Construction Cost for the selected alternative using available data from similar projects and published information and use of industry cost estimating software for materials and labor.

2016-2017 Districtwide Cost Share Grant Application

ENGINEER will complete the 2017-2018 Districtwide Cost Share Grant Application based on the conceptual design for the proposed project alternative. The engineer will meet up to 4 times with the SJRWMD in support of the project application.

Deliverable: Completed grant application, supporting documentation and calculations.

BASIS OF ESTIMATE

The following have been used to develop this Scope of Work and the associated budget:

- CITY shall be responsible for all permit or review fees associated with projects.
- CITY shall bear all costs incident to compliance with the requirements of the CITY's Responsibilities.
- CITY shall provide access to NPDES database and all supporting information.
- CITY shall provide survey data for all critical infrastructure evaluated in the resiliency analysis and MSMP model updates as requested by the ENGINEER.

TIME OF COMPLETION/SCHEDULE

The ENGINEER will begin work within five calendar days of receiving Notice to Proceed (NTP) from the CITY. Final documents will be provided within 90 days of receiving client comments.

COMPENSATION AND PAYMENT

The ENGINEER will complete the services in the Tasks listed above in this for a lump sum fee of $80,202 as shown in Exhibit A. ENGINEER will invoice monthly as a percentage of the lump sum based on the percentage of work completed during the billing period. Lump sum compensation shall be for all labor, sub-consultants, and other direct costs associated with the performance of the work. The new total value for this Task Authorization is $80.202.

EXHIBIT B				
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION				
CITY OF JACKSONVILLE, FLORIDA				
MSMP UPDATE				
PART I - GENERAL				
1. Project			**Proposal Number**	
MSMP: Program Management Services				
3. Name of Consultant			**Date of Proposal**	
CDM Smith Inc.			5/9/2017	
PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours		TOTAL
Officer/Technical Expert	82.00	44	$ 3,608.00	
Principal / Associate / Project Manager	69.00	84	$ 5,796.00	
Senior Profesional	55.00	64	$ 3,520.00	
Project Engineer II / GIS Speicalist III	45.00	128	$ 5,760.00	
Project Engineer I / GIS Specialist II	38.00	168	$ 6,384.00	
Sr. GIS Specialist/Designer	45.00	-	$ -	
GIS Specialist I /Drafter/Technician	32.00	-	$ -	
Clerical	23.00	24	$ 552.00	
Field Staff Support Services	31.00	44	$ 1,364.00	
TOTAL DIRECT LABOR	49.00	556		$ 26,984
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	170.2%	x Total Direct Labor		$ 45,927
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 72,911
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 7,291
PART III - OTHER COSTS				
9. Miscellaneous Direct Costs				
Transportation, Per Diem and Equipment				
Presentation Boards				
Reproduction				
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ -
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 80,202
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -
PART IV - SUMMARY				
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables)				$ **80,202**
12. PRIOR CONTRACT AMOUNT				$ -
AMENDED AMOUNT OF CONTRACT				$ 80,202

FORM 1
SCHEDULE OF SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Name of Proposer: CDM Smith Inc.

Project Title: Master Stormwater Management Plan (MSMP) Program Management Services

Proposal Number: P-40-16 Total Base Proposal Amount (if applicable):

***Please list all JSEBs first**

Full Company Name	JSEB Category (African-American, Women, Asian, Native American, Non-MBE or Hispanic)	Type of Work to be Performed	Total Contract Value or Percentage
Construction and Engineering Services Consultants, Inc.	African-American	Hydrology and Hydraulics Model Development	TBD
Environmental Resources Solutions, Inc.	Women	Wetland	TBD
Gemini Engineering & Sciences, Inc.	Asian	Hydrology and Hydraulics Model Development	TBD
John R. Barnard & Assocaties, Inc.	Native American	Hydrology and Hydraulics Model Development	TBD
Ghiotto & Associates, Inc.	N/A	Surveying	TBD
GAI Consultants, Inc.	N/A	Resiliency/sustainability	TBD

Attach additional list of subcontractors/sub-consultants as needed

CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES	
African-American Participation Total	TBD
Hispanic-American Participation Total	
Native-American Participation Total	TBD
Asian-American Participation Total	TBD
Woman Participation Total	TBD
Non-MBE Participation Total	TBD

The undersigned will enter into a formal Agreement with the JSEB Suppliers/Consultants/Subcontractors identified herein for work listed in this schedule conditioned upon execution of a contract with the City of Jacksonville. Under penalties of perjury I declare that I have read the foregoing conditions and instructions and the facts are true to the best of my knowledge and beliefs.

Signature of Proposer: Title: Vice President Date: April 13, 2017

Print Name: Patrick R. Victor, PE, DWRE