

Meeting Date: 7/15/2014

Report Type: Consent

Report ID: 2014-00504

Title: Supplemental Agreement: Water Quality Detention Basin Condition Assessment & Maintenance Prescriptions

Location: Citywide

Recommendation: Pass a Motion authorizing the City Manager or the City Manager's designee to execute supplemental agreement #1 to City Agreement 2014-0333 with Blankinship & Associates, Inc., in the amount of \$80,000, increasing the agreement not-to-exceed amount to \$130,000.

Contact: Bill Busath, Manager, Engineering and Water Resources, (916) 808-1434; Sherill Huun, Supervising Engineer, Engineer and Water Resources, (916) 808-1455, Department of Utilities

Presenter: None

Department: Department Of Utilities

Division: Engineering & Water Resources

Dept ID: 14001311

Attachments:

- 1-Description/Analysis
- 2-Background
- 3-Agreement

City Attorney Review

Approved as to Form
Joe Robinson
7/8/2014 9:23:48 AM

Approvals/Acknowledgements

Department Director or Designee: Dave Brent - 6/24/2014 3:26:04 PM

Description/Analysis

Issue Detail: The Department of Utilities (DOU) requests approval of a Supplemental Agreement with Blankinship & Associates, Inc. for the provision of water quality detention basin condition assessment and maintenance support services through Fiscal Year (FY) 2014/15. DOU operates and maintains the City's regional water quality detention basins and associated drainage channels. The basins provide stormwater quality treatment, flood control, and aesthetic and recreational value, while providing wildlife habitat. The water quality detention basins are viewed as public amenities due to their integration into a park or open space. Reoccurring nuisance conditions (algal blooms, odor, etc.) has triggered a need to conduct a condition assessment of these basins in order to evaluate what improvements can be made to minimize these conditions.

Policy Considerations: City Council approval is required for a supplemental agreement that increases a professional service agreement amount to \$100,000 or more.

Economic Impacts: None

Environmental Considerations: The Community Development Department, Environmental Services Manager has reviewed the proposed supplemental agreement and has determined that the proposed project is exempt from the California Environmental Quality Act (CEQA) under Section Number 15061(b)(3) of the CEQA Guidelines. The activity is covered by the general rule that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA

Sustainability: Not applicable

Commission/Committee Action: Not applicable

Rationale for Recommendation: Approval of this supplemental agreement with Blankinship & Associates, Inc. is recommended to continue assessment of the City's regional water quality detention basins' condition and maintenance practices.

Financial Considerations: The supplemental agreement with Blankinship and Associates is for the amount not-to-exceed \$80,000. Approval of this supplemental agreement will bring the total agreement not-to-exceed amount to \$130,000. There is sufficient funding available in the National Pollutant Discharge Elimination System (NPDES) Program (I14010200).

Local Business Enterprise (LBE): The Request for Qualifications process for Agreement No. 2014-0333 was conducted prior to the establishment of LBE participation requirements for professional service agreements.

Background

The Department of Utilities ("DOU") operates and maintains the City's regional water quality detention basins and associated drainage channels. The basins provide stormwater quality treatment, flood control, and aesthetic and recreational value, while providing wildlife habitat. The water quality detention basins are viewed as public amenities due to their integration into a park or open space.

Reoccurring nuisance conditions within these basins has triggered a need to evaluate the sediment quantity and quality. The City has identified nutrients, such as nitrogen and phosphorus, as potential pollutants of concern within these basins. These nutrients are suspected for many of the nuisance conditions, including unsightly algae and other plant growth and odor. Homeowners adjacent to water quality ponds have, on occasion, complained about these issues.

On July 17, 2013, DOU issued a Request for Qualifications (RFQ) to provide support services necessary to maintain compliance with the National Pollutant Discharge Elimination System (NPDES) aquatic pesticides permit for weed control and the Department of Fish and Wildlife agreement for applicable drainage facilities maintained by the City, for a period of up to three fiscal years (FY2013/14, FY2014/15, FY2015/16). The following five firms submitted Statements of Qualifications (SOQs) addressing Wet Detention Basin Condition Assessment, Maintenance Prescriptions and Aquatic Weed Control Regulatory Support.

- 2MN Engineering, Inc
- Blankinship & Associates, Inc
- Foothill Associates
- McNabb Construction (DBA – DK Environmental)
- Nichols Consulting Engineers

An evaluation panel consisting of DOU Engineering Services staff, two DOU Drainage Collection staff and an outside panel member from the City of Folsom reviewed the SOQs and ranked Blankinship & Associates, Inc., as the best qualified firm to provide these services. Blankinship & Associates, along with its subcontractors, was determined to have the most experience with assessing sediment quantity and quality in water quality detention basins, as well as prior experience providing similar services for municipalities.

On January 29, 2014, the Utilities Director approved Agreement No. 2014-0333 with Blankinship & Associates to authorize the performance of services through the end of FY2013/14, with a potential maximum of two successive one-year extensions upon the approval of Supplemental Agreement(s) specifying the scope of services and payment provisions for such extended term(s). Supplemental Agreement No. 1 provides for the following services to be performed in FY2014/15: assessing and prioritizing additional water quality detention basins; detention basin vegetation condition assessment; routine sediment monitoring strategies; sediment sample collection and analysis; algae control

determination; cost and specifications for sediment removal and aeration equipment installation for targeted basins; training syllabus on long-term maintenance strategies; and coordination with homeowners associations on lake maintenance strategies for privately maintained water quality detention basins.

Project Title and Job Number: Water Quality Detention Basin Condition Assessment & Maintenance Prescriptions

Date: 5/30/2014

Purchase Order #: 0000023280

Supplemental Agreement No.: 2014-0333-1

The City of Sacramento ("City") and Blankinship & Associates, INC ("Contractor"), as parties to that certain Professional Services Agreement designated as Agreement Number 2014-0333, including any and all prior supplemental agreements modifying the agreement (the agreement and supplemental agreements are hereafter collectively referred to as the "Agreement"), hereby supplement and modify the Agreement as follows:

1. The Agreement is amended as follows:

a. The scope of Services specified in Exhibit A of the Agreement is amended as follows:

This supplemental agreement adds Fiscal Year 2014-15 services to the Agreement. Contractor shall perform the work and services specified in "Attachment 2 to Exhibit A," which is attached hereto and incorporated herein by this reference.

b. The Fee Schedule/Manner of Payment specified in Exhibit B of the Agreement is amended as follows:

The budget for performance of the FY 2014-15 water quality detention basin condition assessment and maintenance prescriptions is set forth on "Attachment 2 to Exhibit B," attached hereto and incorporated herein by this reference.

2. In consideration of the additional and/or revised services described in section 1, above, the maximum not-to-exceed amount that is specified in Exhibit B of the Agreement for payment of Contractor's fees and expenses, is increased by \$80,000, and the Agreement's maximum not-to-exceed amount is amended as follows:

Agreement's original not-to-exceed amount:	<u>\$50,000</u>
Net change by previous supplemental agreements:	<u>\$0</u>
Not-to-exceed amount prior to this supplemental agreement:	<u>\$50,000</u>
Increase by this supplemental agreement:	<u>\$80,000</u>
New not-to exceed amount including all supplemental agreements:	<u>\$130,000</u>

3. Contractor agrees that the amount of increase or decrease in the not-to-exceed amount specified in section 2, above, shall constitute full compensation for the additional and/or revised services specified in section 1, above, and shall fully compensate Contractor for any and all direct and indirect costs that may be incurred by Contractor in connection with such additional and/or revised services, including costs associated with any changes and/or delays in work schedules or in the performance of other services or work by Contractor.

4. Contractor warrants and represents that the person or persons executing this supplemental agreement on behalf of Contractor has or have been duly authorized by Contractor to sign this supplemental agreement and bind Contractor to the terms hereof.

5. Except as specifically revised herein, all terms and conditions of the Agreement shall remain in full force and effect, and Contractor shall perform all of the services, duties, obligations, and conditions required under the Agreement, as supplemented and modified by this supplemental agreement.

Approval Recommended By:

Approved As To Form By:

Project Manager: Roxanne Dille

City Attorney

Approved By:

Contractor

Approved By:

Attested To By:

City of Sacramento

City Clerk

(Rev. 9-17-12)

ATTACHMENT 2 TO EXHIBIT A

Fiscal Year 2014-15 Blankinship & Associates, Inc.

City of Sacramento Water Quality Detention Basin Condition Assessment and Maintenance Prescriptions

PROFESSIONAL SERVICES AGREEMENT

SCOPE OF WORK

Overview

This Scope of Services describes the consulting services to be provided by Blankinship & Associates, Inc. to the City of Sacramento Department of Utilities (City), and these services will be provided in FY 2014-15 fiscal year.

Services will include the following tasks below. Work accomplished in FY 2013-14 is indicated and work planned for FY 2014-15 is also shown.

Task 1. Review Past Documents

Review Technical Memorandums (TM) developed by Geosyntec Consultants in 2005 for the North Natomas basins and the Adaptive Management Plans prepared by Foothill Associates in 2006. Evaluate findings and recommendations for consideration in the decision making process of the conditions assessment.

2013-14: Completed review of Technical Memorandums by Geosyntec Consultants (2005) and Adaptive Management Plans by Foothill Associates (2006).

2014-15: None.

Task 2. Basin Prioritization

Work with City staff on basin prioritization for condition assessments.

2013-14: Initial assessment done; results to be reviewed by City staff. The preliminary priority list is as follows:

- 1.) Basin 4 (sediment accumulation, algae/aquatic vegetation)
- 2.) Basin 7A and 7B (algae/aquatic vegetation)
- 3.) Basin 6 (algae/aquatic vegetation)
- 4.) Basin 5 (algae/aquatic vegetation 2012 fish kill, odor, undersized, cobbles)
- 5.) Basin 3
- 6.) Basin 2 (algae/aquatic vegetation, geese)
- 7.) Basin 1

2014-15: On-going work based on preliminary reconnaissance. Upon the request of the City, additional basins will be assessed and prioritized. The additional basins to be included in this scope include but are not limited to:

- Laguna Vista
- Laguna Vega North
- Laguna Vega South
- Sheldon 20

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- Meadowview Estates
 - Hampton Station

Task 3. Sediment Monitoring

Recommend a practical strategy for City field crews to monitor sediment accumulation over the long term. This may include, but not be limited to, the placement of staff gages viewable from a distance at strategic locations in the basins that allow an estimate of sediment volume. The basins in which this or other approaches will be employed may be influenced by the results of Task 4.

2013-14: No activity.

2014-15: Work to be initiated.

Task 4. Conduct Sediment Survey

Conduct sediment survey on accumulated sediments in selected wet detention basins, and determine if sediment removal is warranted. This task assumes that there are existing as-built or similar drawings that document the design volume of the basin. See Task 7.

2013-14: Preliminary field survey done and as-built drawings being found and reviewed.

2014-15: Consider use of acoustic sub-bottom profiler to develop preliminary bathymetry of basins for comparison to as-built drawings. Profiler is towed behind small boat.

Task 5. Sample and Analyze Sediment

Collect sediment samples and analyze sediment quality. Sediment will be analyzed for potential nutrient loads that may be adversely impacting water quality, and will also be analyzed for appropriate reuse or disposal. Soil samples will be analyzed for total Nitrogen, Phosphorus, Potassium (NPK), metals for total threshold limit concentration (TTLC) and soluble threshold limit concentration (STLC's) if warranted.

2013-14: No activity.

2014-15: Work to be initiated.

Task 6. Algae Control Determination

Identify a menu of methods for practical algae control for wet basins having a history of nuisance conditions. As feasible, identify a variety of techniques, including aeration systems.

2013-14: No activity.

2014-15: Work to be initiated.

Task 7. Cost and Specifications for Sediment and Aeration

Provide cost estimations and draft specifications for sediment removal and aeration installation for the purpose of budgeting and planning in the basins addressed in Task 4.

2013-14: No activity.

2014-15: Activity to be conducted after Tasks 4-6.

Task 8. Field Manuals

Complete a field manual pertaining to water quality detention basin maintenance prescriptions utilizing existing documents by GeoSyntec and Foothill Associates. For example, the existing

Adaptive Management Plans (AMPs) prepared by Foothill Associates will form the foundation of this manual, and appropriate recommendations contained within the GeoSyntec TMs will be incorporated. The objective of this task is to produce a master document that is suitable for use in the field by City staff.

2013-14: Internal Draft Prepared, and input from City field staff received.

2014-15: On-going work.

Task 9. Training Syllabus Development

Establish a syllabus for potential training for City field staff on long-term maintenance strategies. This task does not include actual training or the preparation of training materials.

2013-14: No activity.

2014-15: Work to be started after Task 8 is nearly complete.

Task 10. Vegetation Condition Assessment and Recommendations

Evaluate the presence and condition of existing plants known to improve water quality in detention basin areas and identify areas where replanting or supplemental plantings may be appropriate. Activities on this task are to be conducted upon City's request and depending on availability of funds

2013-14: No activity (none budgeted).

2014-15: Activity to be conducted.

Task 11. HOA Coordination

Homeowners associations (HOAs) exist in the Natomas area and manage Westlake, Sundance Lake and Natomas Central Lake for which the City manages the outfall weirs. The extent to which these HOAs use aquatic pesticides, have appropriate permits and implement management practices, if any, is unknown. To the extent feasible, maintenance techniques developed by the HOAs and City will be shared. Activities on this task are to be conducted upon City's request and depending on availability of funds.

2013-14: No activity (none budgeted).

2014-15: Execute as planned. Meet with representatives of TerraCare (HOA aquatic contractor) and begin discussion in addition to other work.

NOTES TO SCOPE OF WORK

1. Assumptions and limitations are as stated in the tasks above.
2. Work will commence 2 weeks upon execution of this agreement. The period during which Blankinship & Associates services described herein will extend from approximately July 1, 2014 through approximately June 30, 2015. However, upon mutual consent of the City and Blankinship and Associates, some activities may extend beyond this time.
3. Remaining budget from FY 2013-14 may be utilized for assignments continuing in FY 2014-15.

ATTACHMENT 2 to EXHIBIT B

Fiscal Year 2014-15 Blankinship & Associates, Inc.

City of Sacramento Water Quality Detention Basin Condition Assessment and Maintenance Prescriptions

PROFESSIONAL SERVICES AGREEMENT

FEE SCHEDULE/MANNER OF PAYMENT

The Water Quality Detention Basin Condition Assessment and Maintenance Prescriptions has been divided into ten (10) specific tasks. Invoices will be paid on a time and materials basis against the tasks outlined in the Payment Schedule below. Each month the CONTRACTOR will prepare an itemized invoice outlining charge's specific to each task.

Payment Schedule

1. Review Past Documents	\$0
2. Basin Prioritization	\$7,000
3. Sediment Monitoring	\$8,000
4. Conduct Sediment Survey	\$25,000
5. Sample and Analyze Sediment	\$4,000
6. Algae Control Determination	\$4,000
7. Cost and Specifications for Sediment and Aeration	\$11,000
8. Field Manuals	\$3,000
9. Training	\$2,000
10. Vegetation Condition Assessment and Recommendations	\$10,000
11. HOA Coordination	\$6,000
	\$80,000

Expenses:

Expenses such as travel (tolls, per diem, etc.) and outside services (copying, binding, etc.) are charged at cost plus 15%. Mileage charges are at Internal Revenue Service (IRS) rates. Costs for field equipment and vehicle use will be charged according to Blankinship & Associates current fee schedule.

Notes:

1. The period during which Blankinship & Associates services described herein will extend from approximately July 1, 2014 through approximately June 30, 2015. However, upon mutual consent of the City and Blankinship and Associates, some activities may extend beyond this time.
2. Remaining budget from FY 2013-14 may be utilized for assignments continuing in FY 2014-15.
3. The City Representative can approve reallocations of the above budget amounts from one task to another, provided that the not-to-exceed amount specified in Exhibit B of this Agreement is not exceeded.

Blankinship & Associates, Inc.
Statement of Qualifications
Water Quality Detention Basin Maintenance and Regulatory Support
Q13141431008

Fee Schedule

<u>Person</u>	<u>Firm</u>	<u>Hourly Rate</u>
Blankinship	Blankinship	185
Sullivan	Blankinship	145
Burkholder	Blankinship	135
Beil	Blankinship	125
Bonnar	Blankinship	125
Acersion	Blankinship	125
Tanaka	Blankinship	125
Reynolds	HT Harvey	185
Boursier	HT Harvey	225
White	HT Harvey	135