

A RESOLUTION BY CITY UTILITIES COMMITTEE AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE FOR FC-4906C, ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, FOR THE INTRENCHMENT CREEK WATER RECLAMATION CENTER DECOMMISSIONING AND SOUTH RIVER WATER RECLAMATION CENTER PRIMARY CLARIFIERS AND AUXILIARY EQUIPMENT IN AN AMOUNT NOT TO EXCEED THREE MILLION, THREE HUNDRED NINETY-THREE THOUSAND, THREE HUNDRED FORTY-SIX DOLLARS AND ZERO CENTS (\$3,393,346.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5052 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 170207 (DWM TREATMENT PLANT-INTRENCHMENT CREEK) 5212001 (CONSULTING) 4335000 (SEWAGE TREATMENT PLANTS) 111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 17111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) 101 (TASK) 505221391 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 5212001 (CONSULTING) COA; AND FOR OTHER PURPOSES.

Review List:

Jo Ann Macrina	Completed	05/30/2013 5:59 PM
Procurement	Completed	06/03/2013 4:33 PM
Adam Smith	Completed	06/03/2013 4:35 PM
Patrick McShane	Completed	06/03/2013 5:13 PM
Mayor's Office	Completed	06/03/2013 5:36 PM
Office of Research and Policy Analysis	Completed	06/04/2013 3:26 PM
City Utilities Committee	Pending	
Atlanta City Council	Pending	

Certified by Presiding Officer	Certified by Clerk
Mayor's Action <i>See Authentication Page Attachment</i>	

**RESOLUTION
BY CITY UTILITIES COMMITTEE**

A RESOLUTION BY CITY UTILITIES COMMITTEE AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE FOR FC-4906C, ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, FOR THE INTRENCHMENT CREEK WATER RECLAMATION CENTER DECOMMISSIONING AND SOUTH RIVER WATER RECLAMATION CENTER PRIMARY CLARIFIERS AND AUXILIARY EQUIPMENT IN AN AMOUNT NOT TO EXCEED THREE MILLION, THREE HUNDRED NINETY-THREE THOUSAND, THREE HUNDRED FORTY-SIX DOLLARS AND ZERO CENTS (\$3,393,346.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5052 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 170207 (DWM TREATMENT PLANT-INTRENCHMENT CREEK) 5212001 (CONSULTING) 4335000 (SEWAGE TREATMENT PLANTS) 111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 17111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) 101 (TASK) 505221391 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 5212001 (CONSULTING) COA; AND FOR OTHER PURPOSES.

WHEREAS, the City of Atlanta (“City”) authorized FC-4906C, Architectural, Engineering and Design Services (“Agreement”) with BGR, a Joint Venture, on behalf of the Departments of Planning and Community Development, Public Works, Watershed Management, Parks, Recreation and Cultural Affairs, and the Office of Enterprise Asset Management, pursuant to 09-R-1634; and

WHEREAS, the term of the Agreement is for two (2) years with three (3) one (1) year renewal options to be exercised at the City’s sole discretion effective December 21, 2009 through December 20, 2011; and

WHEREAS, the City authorized Renewal No. 1 of the Agreement with a term of December 21, 2011 through December 20, 2012, pursuant to Resolution 11-R-1727; and

WHEREAS, the City authorized Renewal No. 2 of the Agreement with a term of December 21, 2012 through December 20, 2013, pursuant to Resolution 12-R-1644; and

WHEREAS, the Department of Watershed Management requires design services for the decommissioning of Intrenchment Creek Water Reclamation Center and South River Water Reclamation Center primary clarifiers and auxiliary equipment; and

WHEREAS, the Commissioner of the Department of Watershed Management and the Chief Procurement Officer have recommended issuing a Task Order for Architectural, Engineering and Design services, to BGR, a Joint Venture, in an amount not to exceed Three Million, Three Hundred Ninety-Three Thousand, Three Hundred Forty-Six Dollars and Zero Cents (\$3,393,346.00) for design services for the decommissioning of Intrenchment Creek Water Reclamation Center Decommissioning and South River Water Reclamation Center Primary Clarifiers and Auxiliary Equipment.

THE CITY COUNCIL OF THE CITY OF ATLANTA, GEORGIA, HEREBY RESOLVES, that the Mayor, or his authorized designee, is authorized to issue a Task Order to BGR, a Joint Venture, for FC-4906C, Architectural, Engineering and Design Services in an amount not to exceed Three Million, Three Hundred Ninety-Three Thousand, Three Hundred Forty-Six Dollars and Zero Cents (\$3,393,346.00) for design services for the decommissioning of Intrenchment Creek Water Reclamation Center Decommissioning and South River Water Reclamation Center Primary Clarifiers and Auxiliary Equipment; and

BE IT FINALLY RESOLVED, that all contracted work will be charged to and paid from Fund Department Organization and Account Number 5052 (Water & Wastewater Renewal and Extension Fund) 170207 (DWM Treatment Plant-Intrenchment Creek) 5212001 (Consulting) 4335000 (Sewage Treatment Plants) 111468 (Intrenchment Creek WRC Decommissioning Safety & Security) and Project Task Award Expenditure and Organization Number 17111468 (Intrenchment Creek WRC Decommissioning Safety & Security) 101 (Task) 505221391 (Water & Wastewater Renewal and Extension Fund) 5212001 (Consulting) COA.

Part II: Legislative White Paper: (This portion of the Legislative Request Form will be shared with City Council members and staff)

A. To be completed by Legislative Counsel:

Committee of Purview: City Utilities

Caption: A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE, FOR ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT FOR THE INTRENCHMENT CREEK WATER RECLAMATION CENTER DECOMMISSIONING AND SOUTH RIVER RECLAMATION CENTER PRIMARY CLARIFIERS AND AUXILIARY EQUIPMENT IN AN AMOUNT NOT TO EXCEED MILLION, THREE HUNDRED NINETY-THREE THOUSAND, THREE HUNDRED FORTY-SIX DOLLARS AND ZERO (\$3,393,346.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5052 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 170207 (DWM TREATMENT PLANT-INTRENCHMENT CREEK) 5212001 (CONSULTING) 4335000 (SEWAGE TREATMENT PLANTS) 111468 (INTRENCHMENT CREEK DECOMMISSIONING SAFETY & SECURITY) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 101 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) 101 (TASK) 505221391 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 5212001 (CONSULTING) COA; AND FOR OTHER PURPOSES.

Council Meeting Date: June 17, 2013

Requesting Dept.: Watershed Management

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

The purpose of this legislation is to authorize the issuance of a Task Order to BGR, a Joint Venture, for the purposes of providing Design Services for the decommissioning of Intrenchment Creek Water Reclamation Center and South River Water Reclamation Center Primary Clarifiers and Auxiliary Equipment, on behalf of the Department of Watershed Management, in an amount not to exceed \$3,393,346.00.

2. Please provide background information regarding this legislation.

The Intrenchment Creek Water Reclamation Center (ICWRC) treats an average daily flow of approximately 11 Million Gallons per Day. Treated flow from the ICWRC is conveyed to the South River Water Reclamation Center (SRWRC) for final treatment and discharge. The ICWRC is currently operating below reported design capacity and, through a program of "as needed" maintenance, the facility has typically maintained an acceptable level of operations and effluent quality for successful final treatment at SRWRC.

The COA recognizes that ICWRC is in need of capital investment to achieve an appropriate level of operational reliability. Alternatives derived at in a Master Plan concede that the City should consider the option of diverting raw wastewater flows from the ICWRC to a consolidated treatment operation at the SRWRC. This option entails the decommissioning of the treatment facilities (with the exception of the headworks) at the ICWRC and the conveyance of raw wastewater through a new or upgraded pump station to the SRWRC.

The essence of the project is to reconfigure piping and pumping at Intrenchment Creek WRC and South River WRC. Enhance monitoring and controls so operations can be handled exclusively at South River WRC. All process units at South River will be brought online for full capacity. This project will allow wastewater to bypass treatment at Intrenchment

and be sent directly to South River Water Reclamation Facility for both primary and secondary treatment. The proposed configuration will save the City energy, chemical, and labor costs.

3. If Applicable/Known:

- (a) **Contract Type:** Professional Services
- (b) **Source Selection:** Sealed RFP
- (c) **Bids/Proposals Due:** N/A
- (d) **Invitations Issued:** N/A
- (e) **Number of Bids:** N/A
- (f) **Proposals Received:** N/A
- (g) **Bidders/Proponents:** N/A
- (h) **Term of Contract:** Targeted estimated completion date is September 2014.

4. Fund Account Center (*Ex. Name and number*):

FDOA: 5052 (Water & Wastewater RNE Fund), 170207 (DWM Treatment Plant-Intrenchment Creek), 5212001 (Consulting), 4335000 (Sewage Treatment Plants), 111468 (Intrenchment Creek WRC Decommissioning Safety & Security), 21391 (RNE Fund)

PATEO: 17111468 (Intrenchment Creek WRC Decommissioning Safety & Security), 101 (Task), 505221391 (Water & Wastewater RNE Fund), 5212001 (Consulting), COA

5. Source of Funds: 5052 (Water & Wastewater RNE Fund)

6. Fiscal Impact: Legislation will result in a reduction not to exceed \$3,393,346

FDOA:

PATEO:

7. Method of Cost Recovery: N/A

Examples:

- a. ***Revenues generated from the permits required under this legislation will be used to fund the personnel needed to carry out the permitting process.***
- b. ***Money obtained from a local assistance grant will be used to cover the costs of this Summer Food Program.***



Kasim Reed
MAYOR

CITY OF ATLANTA

Jo Ann J. Macrina,
COMMISSIONER

DEPARTMENT OF WATERSHED MANAGEMENT
55 TRINITY AVENUE SW, SUITE 5400, SOUTH BLDG.
ATLANTA, GEORGIA 30303-3544
OFFICE 404-330-6081 FAX 404-658-7194

MEMORANDUM

DATE: May 16, 2013
TO: Adam L. Smith, Chief Procurement Officer
Department of Procurement
FROM: Jo Ann J. Macrina, PE, Commissioner
Department of Watershed Management *JAM*

CITY OF ATLANTA
DEPT. OF PROCUREMENT
2013 MAY 17 AM 9:00

RE: LEGISLATIVE REQUEST
FC-4906-C, Architectural, Engineering & Design Services Task Order No. 17,
Intrenchment Creek Water Reclamation Center Decommissioning and South River
Water Reclamation Center Primary Clarifiers and Auxiliary Equipment
Contractor: BGR, a Joint Venture

Please prepare the appropriate Legislative Summary for Cycle 11 (June 17, 2013) to approve the issuance of a Task Order for the above referenced Agreement to provide The Department of Watershed Management design services for the decommissioning of Intrenchment Creek WRC and South River WRC Primary Clarifiers and Auxiliary Equipment. This project will decommission the Intrenchment Creek WRC and the resulting untreated wastewater will be pumped and treated at South River WRC. This will save the City energy, chemical and labor costs.

These services shall be charged to and paid from:

FDOA: 5052 (Water & Wastewater RNE Fund), 170207 (DWM Treatment Plant-Intrenchment Creek), 5212001 (Consulting), 4335000 (Sewage Treatment Plants), 111468 (Intrenchment Creek WRC Decommissioning Safety & Security), 21391 (RNE Fund); and
PATEO: 17111468 (Intrenchment Creek WRC Decommissioning Safety & Security), 101 (Task), 505221391 (Water & Wastewater RNE Fund), 5212001 (Consulting), COA in an amount not to exceed Three Million Three Hundred Ninety-Three Thousand Three Hundred Forty-Six Dollars and No Cents (\$3,393,346.00).

If you have any additional questions concerning this matter, please feel free to contact Cynthia L. Lunn, Watershed Procurement Manager at (404) 330-6096.

Attachment (s)

- C: Eric Glover, Deputy Commissioner – DWM/OES
- Paula Days, Director – DWM/OES
- Brenda Williams, Project Manager – DWM/OES
- Keith Brooks, Deputy Chief Procurement Officer – DOP
- Anthony Stanley, Contracting Officer - DOP
- Maisha Land-Wood, Legislative Manager - DWM
- Cynthia L. Lunn, Watershed Procurement Manager - DWM



Task Order

Agreement Number: **FC-4906C Architectural Engineering and Design Services**
("Agreement")

Task Order Number: **017 – Intrenchment Creek WRC Decommissioning and South River WRC Primary Clarifiers and Auxiliary Equipment**

Task Order Maximum Payment Amount for **Design Services**: **\$3,393,346**

Legislative Reference: 11-R-0008 Approved by City Council January 18, 2011

The above referenced Task Order is made and entered into by and between the City of Atlanta ("CITY"), pursuant to the Agreement;

AND

BGR Joint Venture ("CONSULTANT").

This Task Order is made a part of the Agreement between the City and the Consultant, together with all attached exhibits made a part of this Task Order.

The period of performance/delivery date for this Task Order begins on receipt of a Notice-to-Proceed or Purchase Order and shall be completed in accordance with Exhibit "A", unless a written modification to this Task Order is made by the City.

Task Order Services to be Provided: See Exhibit "A"

Task Order Milestones: See Exhibit "C"

Additional Task Order Provisions: N/A

Key Task Order Personnel: JV Services Coordinator – **Joe Porter**, JV Managing Principal – **Jim Hawkins, P.E.**, JV Project Controls Manager – **Chris Haney, PE**

Eric L. Glover, P.E.
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 Department of Watershed Management
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Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
Task Order Consultant: BGR Joint Venture

Exhibit A

Scope of Services

This Scope of Services is an attachment to a Purchase Order by and between the City of Atlanta (“CITY”), pursuant to the stated terms and conditions; and BGR Joint Venture (“CONSULTANT”).

**Purchase Order Name: Intr trenchment Creek WRC Decommissioning and
 South River WRC Primary Clarifiers and Auxiliary Equipment**

Task Order Consultant: BGR Joint Venture

General

This project will decommission the Intr trenchment Creek Water Reclamation Center (IC or ICWRC) and the resulting untreated wastewater will be pumped and treated at the South River WRC (SR or SRWRC). The decommissioning of the ICWRC will save the City energy, chemical, and labor costs. Effluent from the SRWRC will continue to be transferred to the outfall on the Chattahoochee River as allowed under the CITY’s NPDES discharge permit. In addition to the work at ICWRC (and under this task order) improvements will also be made to the conveyance pipeline between ICWRC and SRWRC and, new primary treatment units will be constructed at SRWRC. Under a separate but concurrent project (and separate task order), C.I.P. W.01.02.SR02 – South River WRC Various Projects Group 1, additional improvements will be made to SRWRC.

General Project Tasks

1. Project shall expand the definition of the problem outlined in the 2012 South Area Study¹ study as well as include current issues and problems stated by Plant Staff which may have changed since the study was issued.
2. This project will be delivered using traditional design-bid-build approach.
3. Impacts on South River WRC from the decommissioning of the Intr trenchment Creek WRC are not included in the scope with exception of: 1) consideration of the need for influent fine screening at either ICWRC or SRWRC, 2) the modifications to the ICWRC force main that are required to discharge the Intr trenchment Creek effluent to the SRWRC headworks, and 3) design of new primary clarifiers at SRWRC. This project will be coordinated with SRWRC Various Projects Group 1 wherein an updated BioWIN model will be performed and further evaluation of SRWRC improvements due to decommissioning of ICWRC will be determined. After this evaluation is completed, this project will proceed based on these recommendations.
4. The project will upgrade ICWRC and SRWRC hydraulic models from the CITY’s existing Excel spreadsheet format to Infoworks by Innovyze Inc. The models will be calibrated using field measurements of average day flow and flow elevations. CONSULTANT will oversee the field calibration; the CITY will supply the additional workers for the calibration. CONSULTANT will supply at least 2 staff to oversee and run two of the four calibration teams. The CITY will run the other teams. The CITY has at least 4 instruments to measure water level in low light plus benchmarks established at calibration points.
5. Coordinate this project with the SRWRC –Various Project Group 1. All deliverables for this project must be coordinated and reviewed with each similar deliverable from the other projects.

¹ South Area Study Part 2 – Wastewater Management Options at Intr trenchment Creek WRC by BGR JV for the City of Atlanta Department of Watershed Management, Issued May 2012.

Agreement Number: FC-4906C Architectural Engineering and Design Services
 Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
 Task Order Consultant: BGR Joint Venture

6. Evaluation shall look at Best Available Technology when determining and evaluating alternatives.
7. Hydraulic Capacity thru 2037 shall be addressed in evaluation and design.
8. Tree surveys and Tree Replacement plans will be done by CITY including arborist related services.
9. All opinions of project cost (cost estimates) shall follow CITY PMO standards.
10. Project schedules required by the Consultant shall be done in Primavera P6 by Oracle. One licensed copy shall be purchased by the Consultant and given the COA for COA Design Manager.

Intrenchment Creek WRC | Specific Project Tasks

1. Evaluate and design upgrades and/or replacements of IC Headworks (replace), IC Effluent Pumping Station, IC Effluent Force Main (repairs), IC Administration Building (demolish), IC influent sewer and utilities, IC Distributed Controls System (DCS) and Programmable Logic Controllers (PLC) control systems and instrumentation and IC Chemical Feed. Address performance, capacity and maintenance issues (evaluation and design) for upgraded facilities. All abandoned facilities and utilities will be demolished unless an immediate future need is determined. Abandonment of ICWRC shall be done in accordance with Georgia EPD requirements.
2. Plant staff preference is for a new Eutek HeadCell type grit removal and handling system but other upgrade and replacement options shall be considered.
3. Upgrade or replace coarse bar screens and screening handling.
4. Conduct evaluation of the addition of fine screening at ICWRC or SRWRC. Implement fine screening at the recommended location.
5. Resolve problems with handling grit from the CSO sedimentation facilities which feed into ICWRC and design needed improvements.
6. Provide new chemical feed systems for phosphorus control and pH control at the new IC Effluent PS in coordination with chemical feed facility upgrades being evaluated and designed for SR under SRWRC –Various Project Group 1. Upgrade or replace existing ICWRC chemical feed facilities including new liquid phase (chemical) odor control system for the conveyance system to SRWRC. The Project will demolish the existing sodium hydroxide feed system.
7. Demolish administration building, all abandoned facilities and all abandoned utilities and provide for ease of maintenance and operation of remaining plant functions. Before decommissioning and demolition of administration building, CONSULTANT shall design a new local control room complete with restroom/locker room and shower facilities, washer/drier equipment, and monitoring and control room with complete SCADA system to monitor and control the ICWRC and IC CSO facilities to the existing level but allow the staff to monitor other pump station and CSO facilities thru the existing SCADA systems. The new local control room will be located inside an existing building (one such location is the existing Power Generation Building). The effluent PS, generator, chemical feed will all be monitored there and could be a location for operators to stay during an emergency event. CONSULTANT shall design ICWRC instrumentation and control functions such that they are communicated to the SCWRC for remote monitoring and control.

Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
Task Order Consultant: BGR Joint Venture

- facilities. All abandoned facilities and utilities will be demolished unless an immediate future need is determined.
2. Conduct evaluation of the addition of fine screening at ICWRC or SRWRC. Implement fine screening at the recommended location.
 3. Preference of Plant Management is to replace rectangular primaries with circular units but open to all repair, upgrade and replacement options.
 4. Every alternative considered must include the ability to bypass one, all or any combination of primary tanks.
 5. Add chemical feed at the primary clarifiers for phosphorus control. The project will demolish and replace the existing sodium hydroxide and ferric chloride systems (These systems will feed chemicals to the CSO facility like the existing system is presently doing). The project will replace and increase the ferric feed system capacity and provide a new building. The sodium hydroxide equipment and polymer equipment in the same facility as the ferric chloride facility will also be demolished. However, sodium hydroxide, when needed, will be fed to the plant influent collection box from the existing hose pump at the Primary odor control sodium hydroxide bulk storage facility. No improvements to these facilities are planned. New bulk polymer facilities are not needed.
 6. Eliminate the current hydraulic capacity issue with the primaries including the additional flow from ICWRC.
 7. Provide piping changes to allow the discharge from the ICWRC effluent force main into either the SRWRC headworks or directly to the SRWRC primary clarifiers.
 8. Primary headhouses (containing pumps and valves for clarifier operation) are to be considered with the primary clarifiers in the evaluation for upgrade, repair or replacement.
 9. Upgrade or replace primary sludge pumps. The South Area Primary PS has ODS type pumps from a year 2000 CIP upgrade and need to be replaced.
 10. Replace manual scum system with automated one. CONSULTANT shall present alternatives with solid track record.
 11. Preference of plant for hose pumps for pumping primary scum and sludge.
 12. Add a bypass from the influent collection box to the South River Tunnel. The Jonesboro tunnel is one route to consider.
 13. Odor control shall be included and would be connected to existing primary side odor control facility.

In response, the CONSULTANT intends to proceed in phases as follows:

Phase 1 – Project Management Services	Authorized under this Task Order 017
Phase 2 – Evaluation Services	
Phase 3 – Design Development Services	
Phase 4 – Detailed Design Services	
Phase 5 – Bidding Services	
Phase 6 – Construction Administration Services	To be authorized by a future Task Order
Phase 7 – Construction Management & Observation Services	
Phase 8 – Post Construction Services	
Phase 9 – Additional Engineering Services	Authorized under this Task Order 017

Agreement Number: FC-4906C Architectural Engineering and Design Services
 Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
 Task Order Consultant: BGR Joint Venture

8. The construction project shall include the cost and coordination of digester cleaning (all four digesters). Consultant shall use the COA standard digester cleaning specification.
9. IC CSO facilities improvements or modifications are not included in the scope except: 1) to resolve problems with handling grit from the CSO sedimentation facilities, and 2) resolve problems with the potable and process water distribution system (a new source water is needed when ICWRC plant water system/reuse water system is discontinued and will resolve pressure and supply issues).
10. Evaluate condition of sanitary sewers, storm sewers, water lines, process lines and large electrical and instrumentation duct banks installed prior to the 1999 East CSO Improvements with emphasis on utilities posing a greater risk to the CITY. Employ CCTV and other nondestructive testing methods to determine which utilities need repair or replacement (evaluation and design).
11. Provide site restoration requirements after upgrade and demolition of abandoned facilities and utilities.
12. Replace effluent pumping station with a new 40 mgd submersible type pumping station. Include upgrades of instrumentation and control including monitoring at SRWRC and the new central location for the current IC staff.
13. Make repairs to the IC effluent force main and gravity sewer up to \$1M in construction cost. The temporary repair of the FM located approximately 500 feet downstream from Key Road and the two effluent butterfly valves at the rail road crossing by Key Road railroad crossing will require replacement with permanent solutions.
14. Conduct a condition assessment and operational reliability of the existing IC effluent force main to determine any additional improvements that might be required. The assessment will include recommendations for additional pipeline rehabilitation, pipeline reliability and redundancy (replacement and/or parallel lines) and provide costs and phasing recommendations. The design of these additional improvements is not included in this task order.
15. Upgrade IC storage by addition of a 10 million gallons (MG) prestressed concrete circular tank. Make additional provisions to manage high flows including: 1) diverting flows to CSO tunnel(s), 2) upgrading existing abandoned tanks for additional storage, 3) maximize use of all storage and upgrade instrumentation and high flow Standard Operating Procedures (SOPs) as necessary to coordinate and minimize impacts of peak flows to the SRWRC.
16. Upgrade Power Generation Building. Power Generation Building requires a new roof and some interior remodel. Remaining and new ICWRC facilities shall be provided with backup power.
17. Provide odor control for the following: 1) headworks, 2) effluent pumping station and 3) at the force main discharge (odor control shall also consider the change in use of the effluent FM to influent sewage), and 4) storage tanks to prevent odor complaints from residents.
18. Upgrade Boulevard CSO gate that regulates the flow to the ICWRC, to a passive overflow or a more reliable solution.

South River WRC | Specific Project Tasks

1. Evaluate and design upgrades and/or replacements of the South River WRC North and South Primaries' clarifiers, headhouses, scum pumping, sludge pumping instrumentation and controls. Address performance, capacity and maintenance issues (evaluation and design) for upgraded

Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
Task Order Consultant: BGR Joint Venture

This task order includes services for Phases 1-5 and Phase 9. Phases 6-8 will be authorized by the CITY under a separate written authorization.

PHASE 1 - PROJECT MANAGEMENT SERVICES

The PROFESSIONAL shall perform the following Project Management Services as part of Phase 1.

- 1.1 **General Project Management Services:** The effort included in General Project Management Services is estimated based upon the tasks in this Scope of Services for the entire Project. Project Management activities include staffing, subconsultant coordination, budget management, schedule management, and coordination with the CITY.
- 1.2 **Project Management Work Plan:** Prepare a Project Manager Work Plan with team member contacts, stakeholder contacts, schedule, fee/budget and sample invoice.
- 1.3 **Project Scheduling:** Prepare and update, on a monthly basis and beginning with the Kickoff Workshop, and deliver an updated Project schedule to the CITY. The schedule will be prepared using MS Project or Primavera software based on the CITY preference. Hardcopy of updated schedule will be provided with each monthly progress report (2 copies) along with an electronic file update. The schedule is to be submitted with the invoice at end of third week of each month.
- 1.4 **Opinions of Probable Construction Cost:** Opinions of Probable Construction Cost (OPCC) will be prepared and updated during the project based on the CITY's Project Management Office (PMO) standards.
- 1.5 **Monthly Status Reports:** Prepare a monthly status report for summarization of the current status of the Project, provide, and review the report with the CITY at the Monthly Status Meeting. Progress report and invoice to be submitted by the third week of each month.
- 1.6 **Bi-Weekly Progress Meetings:** Schedule and attend bi-weekly progress meeting with the CITY to provide information regarding the current status of the Project and, the current status of the concurrent project, South River WRC Various Projects Group 1. The meetings will be scheduled to coincide with the CITY'S Project Manager's needs for such status information.
- 1.7 **Document Control:** Setup and maintenance of ProjectWise by Bentley Systems, Inc. site to store all versions of deliverables for all stakeholders. The City will have access to all published deliverables at each milestone of the project including plans, specifications, meeting notes, opinions of probable construction cost, etc. ProjectWise includes provisions for document control and sharing. The City wants read permissions but does not initially want editing or posting permissions.
- 1.8 **Meeting Minutes and Stakeholder Review Logs:** Provide meeting minutes for all Progress Meetings, Building Code Officials, State Agency meetings. For each deliverable review, provide review comment spreadsheet for all stakeholder review comments including consultant response and action on each review comment.
- 1.9 **Quality Assurance/Quality Control Management:** Perform quality assurance and quality control (QA/QC) reviews for the entire Project. The QA/QC professionals will be staff not routinely engaged in the Project design and permitting activities.

Agreement Number: FC-4906C Architectural Engineering and Design Services
 Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
 Task Order Consultant: BGR Joint Venture

PHASE 2 - EVALUATION SERVICES

The CONSULTANT will perform the following Preliminary Activities and Services as part of Phase 2.

- 2.1 **Data Collection/Review:** Upon request, the CITY will provide to the CONSULTANT copies of the following information for review:
- Latest versions of CITY's design and construction standards including CAD standards.
 - Available property and topographic surveys.
 - Available geotechnical reports and recommendations.
 - Any other available existing reports, studies, technical analyses, planning data, record drawings, design and construction standards, topographic and property surveys, and geotechnical data as may be deemed necessary.
- 2.2 **Site Visits:** The CITY will arrange for the CONSULTANT to access the treatment plant properties as required. Services under this task will include data collection, as-built verification, equipment assessment, measurement, and other data collection necessary for the design of the improvements as identified within this Scope of Services.
- 2.3 **Geotechnical Investigation:** Coordinate with, and procure the services of a SUBCONSULTANT geotechnical engineering firm to complete the required subsurface geotechnical investigation to complete the design activities. This effort will include the review of existing geotechnical information obtained previously by others at the site, as available from the CITY.
- 2.4 **Site Survey:** Coordinate with, and procure the services of a SUBCONSULTANT survey firm to complete the required surveying services to complete the design activities.
- 2.5 **Subsurface Utility Engineering:** Coordinate with, and procure the services of a SUBCONSULTANT subsurface utility engineering contractor to complete the required subsurface utility engineering services to complete the design activities. The CITY requires the underground utilities at the facilities be mapped. This utility mapping will include developing base maps using existing record drawings and other existing information. Vacuum potholing and other locating methods will be used as needed to evaluate utility locations for existing underground utilities.
- 2.6 **Technical Kick-Off Workshop:** The Technical Kick-Off Workshop will be used to discuss the initial basis of design for the Project. Issues to be addressed at the Technical Kick-Off Workshop will include:
1. Confirmation of influent wastewater characteristics to be used for the Project.
 2. Summary of previous studies consolidated for this project including mass balances and hydraulic profiles.
 3. Confirmation of a range of effluent requirements and existing and anticipated future permit limits.
 4. Identification of the CITY'S site plan objectives and preferences to be considered in alternatives evaluation. Evaluation of technical constructability and feasibility at each alternative location.
 5. Development of a plan to engage CITY Plant Staff to leverage their expertise and knowledge into the Project.
 6. Identification of sustainable design initiatives potentially relevant to the Project.

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7. A Project meeting schedule for all formal meetings will be discussed and prepared prior to the conclusion of this meeting that will enable the staff from the CONSULTANT and CITY to be scheduled and committed to the project meetings through the final design of the project.
- 2.7 **Wastewater Process Modeling:** This project will be coordinated with SRWRC Various Projects Group 1 wherein an updated BioWIN model will be performed and further evaluation of SRWRC improvements due to decommissioning of ICWRC will be determined. After this evaluation is completed, this project will proceed based on these recommendations.
- 2.8 **Hydraulic Modeling:** The project will upgrade ICWRC and SRWRC hydraulic models from the CITY's existing Excel spreadsheet format to Infoworks by Innovyze Inc. The models will be calibrated using field measurements of average day flow and flow elevations. CONSULTANT will oversee the field calibration; the CITY will supply the additional workers for the calibration. CONSULTANT will supply at least 2 staff to oversee and run two of the four calibration teams. The CITY will run the other teams. The CITY has at least 4 instruments to measure water level in low light plus benchmarks established at calibration points.
- 2.9 **Technical Memoranda:** Prepare the following technical memoranda.
1. TM which expands the findings of BGR study on IC WRC Decommissioning including input from all stakeholders on issues and problems, define current existing conditions in greater detail, and define risk and details of each specific problem and issue. Include alternatives, budgets, prioritization, phasing and recommendations.
 2. Draft TM, issued before the DDRs for the South River WRC Various Projects Group 1 DDR is finalized, which details each requirement and individual CIP task that must happen at SR before and during the decommissioning of IC WRC. Include alternatives for each requirement, budgets, prioritization, phasing and recommendations.
 3. TM inventory structures, facilities and major utilities indicating those to be demolished, or upgraded or replaced.
 4. TM which addresses existing and future hydraulic capacity to 2037 at both IC and SR WRCs for grit removal, flow paths, flow storage, headworks, screening, primary clarification, and pumping capacity. Include chemical feed, odor control, required hydraulic capacity and required grit, screening TSS, BOD & TP treatment requirements, with summary table of all hydraulic and spatial sizing requirements to meet existing and future hydraulic and treatment requirements. Consultant will use the Infoworks version of the City's hydraulic model (to be developed and calibrated as described earlier in this scope of services).
 5. TM, in close coordination with COA Security Division, which outlines security objectives for the decommissioned ICWRC, defines existing security infrastructure, develops alternatives and make recommendations. Recommendations including budget, schedule and priorities for the phases of the project.
 6. TM evaluating DCS control system for remaining unit processes and facilities at ICWRC with discussion of alternatives, recommendations, cost estimates and scheduling. Recommendations shall cover requirements for staffing to monitor and control the ICWRC from start of project to final completion.
 7. TM(s) which lists BAT for various equipment and new or upgraded process units at IC and SR WRC. Provide pro and con analysis of each BAT. Include final recommendations on each unit process and components that satisfy hydraulic and treatment requirements with supporting cost information.

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8. For ICWRC, evaluate BAT for grit chambers, course bar screens, fine screens, grit dewatering and disposal, screenings dewatering and disposal, effluent pumping, storage, sewage force main, support equipment, odor control, chemical feed and incidentals.
 9. For SRWRC, evaluate BAT for primary clarifiers, drives, sludge collection and pumping, scum collection and pumping, scum baffling, effluent weirs and launders, controls, rakes, support equipment, odor control, chemical feed and incidentals.
 10. TM which develops the scheduling and phasing of decommissioning of ICWRC, routing of flows, start-up of new facilities and coordinates the work with staffing needs, compliance needs and successful startup of the final IC facility and the improvements made to SRWRC Headworks to accept the IC flow.
 11. TM which will form the basis of the DDR, which develops the recommended BATs to fit the ICWRC and SRWRC spatial, utility, operations, odor control, security, safety, maintenance, staffing, security, safety, budget and schedule requirements and constraints. TM shall include hydraulic profile and grade line including bypasses and storage, spatial site plan, schematic drawings, equipment listings, recommended equipment manufacturers, equipment sizing and other schematic designs plus maintenance or operations required features and constraints.
- 2.10 **Preliminary Permitting Meetings:** Arrange and facilitate preliminary meetings with agencies having permitting authority over the Project.

PHASE 3 - DESIGN DEVELOPMENT SERVICES

The CONSULTANT will perform the Design Development Services in Phase 3 as follows:

- 3.1 **Final Design Development Report (DDR):** Prepare a DDR which summarizes all TMs in an executive summary format suitable for Georgia EPD review.

The DDR will be organized as follows:

- Section 1 – Executive Summary
- Section 2 – Process Design Requirements
- Section 3 – Process Validation Summary
- Section 4 – Facility Improvement Recommendations
- Section 5 – Site Plan Development
- Section 6 – Summary of Opinions of Cost
- Section 7 – Conceptual Design Drawings
- Section 8 – Regulatory Compliance and Permitting
- Section 9 – Stakeholder and Community Involvement

- 3.2 **Opinion of Probable Construction Cost:** Prepare a baseline (\pm 30%) Opinion of Probable Construction Cost (OPCC) based on DDR scope.

- 3.3 **Design Document Summary:** Prepare a draft TOC of specifications and plans.

PHASE 4 – DETAILED DESIGN SERVICES

The CONSULTANT will perform the Design Services in Phase 4 as follows:

- 4.1 **30% Design Submittal:** The CONSULTANT will prepare a 30% Design Submittal for the Project that will incorporate the results from the Evaluation Services activities. CONSULTANT

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will include a review and evaluation of the existing treatment train physical conditions in terms of equipment status and make recommendations as to repairs and / or equipment replacement necessary for continued acceptable performance. The CONSULTANT will make recommendations as to the additional components and facilities required to repair, rehabilitate, replace, or demolish the existing treatment facilities. The 30% submittal will consist of final Technical Memoranda and recommendations as to the equipment and facilities required for the decommissioning and required improvements at ICWRC as well as the required improvements at SRWRC. The submittal will include 30% level drawings by Division reflecting the required improvements. The CONSULTANT will submit ten (10) copies of the 30% submittal and will conduct one review workshop with the CITY.

Additional considerations for the Project that will be addressed in the 30% design submittal:

- Maintenance of plant operations (MOPO) during construction and construction sequencing plans.
- On-site and off-site traffic control.
- Site security
- Preliminary list of drawings.
- Outline technical specifications.
- Revised OPCC ($\pm 20\%$). The OPCC will be provided two weeks after the submittal and prior to review meeting.
- Listing of required permits and discussion of anticipated permitting considerations.

Specific investigations and studies to be completed during the 30% Design include the following, which will be summarized in monthly summary reports to the CITY. Five (5) copies will be provided for each study.

- 4.2 **60% Design Submittal:** The CONSULTANT will provide a 60% submittal utilizing the design concepts developed and approved in the 30% review meeting and submittal. The 60% submittal five (5) copies will include the following:
- Technical Specifications
 - 60% drawings
 - MOPO, Preliminary Outage / Tie-in Plan (Shutdown and Sequence of Construction Plan).
 - Revised OPCC ($\pm 15\%$). The OPCC will be provided two weeks after the submittal and prior to review meeting.
- 4.3 **90% Design Submittal:** The CONSULTANT will prepare a 90% submittal based on the concepts agreed upon as a result of the 60% design submittal workshop with the CITY. The 90% submittal will include:
- Constructability reviews by CONSULTANT's designated construction manager.
 - Technical specifications including a draft version of the Special Conditions specifically created for this Project.
 - Drawings for Architectural, Civil, Landscape, Process, Mechanical, Structural, and Instrumentation and Electrical Design.
 - Revised OPCC (+/- 10%), bound and indexed, with backup data and estimated quantities broken down by discipline trade. The OPCC will be provided within two weeks of the design submittal review meeting.

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- Final MOPO, outage and tie-in plans (Shutdown and Sequence of Construction Plan) for piping, electrical, instrumentation and control systems. The time limit for outages and/or bypasses will be identified and coordinated with the Plant Operations Staff.
 - Develop a Milestone Schedule to support the CITY's priorities for construction of the proposed facilities.
- 4.4 **100% Final Design Submittal:** The CONSULTANT will prepare a 100% final design submittal based on the concepts agreed upon as a result of the 90% workshop with the CITY. These documents will be used to solicit competitive bids for the construction of this Project. The submittal will include:
- Final (100%) specifications (hard copy on standard 8-1/2" X 11" size paper, electronic copy on CD) including the final edited version of the CITY's Special Conditions. Electronic files will be prepared in Microsoft Word with electronic file copies delivered in pdf format, latest version.
 - Final (100%) drawings will be supplied as signed and sealed reproducible sets, fifteen (15) sets in half size, fifteen (15) sets in full size and an electronic file copy in pdf format on CD. An electronic copy of drawings with associated plot files, in the latest version of AutoCad, will also be supplied for record drawings only.
 - Revised OPCC (+/- 5%), bound and indexed, with backup data and estimated quantities broken down by discipline trade. The OPCC will be provided within two weeks of the design submittal review meeting.
 - Three (3) sets of indexed and bound, signed and sealed, design computations.
- 4.5 **Permitting:** Permit applications for this project will be prepared and submitted by the CONSULTANT to the responsible regulatory agency for review at the 30% submittal, where possible, and as applicable. The permit submittals will use the Final PER after comments from the CITY have been incorporated. For the permits anticipated for this project, the CONSULTANT will schedule and conduct "pre-application" meetings along with the CITY Project Manager with the permitting agencies.

The permits and approvals anticipated to be required for the Project include:

- City Building Department
- City Development Review Department
- Georgia EPD
- Tree Survey and Tree Replacement Plans
- Air Permit Modification

The CONSULTANT will coordinate with permitting agencies both during the design phase and after permit submittal.

The CONSULTANT will provide copies of correspondence and/or technical data supplied to the agencies in support of the permits to the CITY.

The CONSULTANT will identify permits and fees required for the Project. The CONSULTANT will notify the CITY PROJECT MANAGER a minimum of fifteen (15) working days in advance of permit submittal of the permit costs to allow the preparation permit fee payment check. The check will be issued by the CITY prior to the permit submittal. CONSULTANT will also provide a copy of the permitting Agency's fee schedule for each permit required. Permitting associated with

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endangered species is excluded from this Scope of Service. Wetland mitigation services are also excluded.

PHASE 5 - BIDDING SERVICES

This task includes the effort for bidding phase services for the project. The CONSULTANT shall perform the following Bidding Assistance services in Phase 5:

- 5.1 **Final Procurement Bid Set:** Provide final (100%) bid ready specifications and drawings as signed and sealed reproducible sets as follows:
 - a. **Drawings:** Fifty (50) sets in half size, twenty-five (25) sets in full size and an electronic file copy in pdf format on CD.
 - b. **Specifications:** Fifty (50) copies (Hard copy on standard 8-1/2" X 11" size paper, electronic copy on CD) including the final edited version of the CITY's Special Conditions. Electronic files will be prepared in Microsoft Word with electronic file copies delivered in pdf format, latest version.
- 5.2 **Pre-Bid Conference and Site Visits:** Attend a Pre-Bid Conference and up to two pre-bid site visits for the potential bidders. The CITY will prepare the agenda for and will facilitate the conference and will prepare and give a presentation of the Project scope at the conference.
- 5.3 **Respond to Bidder Requests for Information (RFI's):** When requested by the CITY, respond to verbal or written Bidder RFI's during the bid period for issues related to the Project. Responses will be sent by the CITY.
- 5.4 **Written Addenda:** The CITY will provide clarification for Bidder inquiries and requests for information and will prepare and submit original technical addenda for distribution to bidders.
- 5.5 **Review of Bids:** Assist the CITY in reviewing the qualifications of apparent lowest bidder and bid. The CITY will prepare a recommendation for award and conduct any investigations of the apparent low bidder as may be required.

TASK 6 - CONSTRUCTION SERVICES [Future Authorization]

This task includes the effort for construction phase services for the project. The CONSULTANT will manage documents during construction using Skire Unifier based on the CITY preference. During construction of the Project, the CONSULTANT will provide construction phase services to include the following:

- 6.1 **Pre-Construction/Partnering Conference:** The CONSULTANT will attend and participate in the pre-construction/partnering conference for the project. The CONSULTANT will attend the pre-construction conference and prepare minutes of the meeting covering topics discussed and decisions made. The CONSULTANT will distribute copies of the meeting minutes to attendees within one (1) week of the meeting date.
- 6.2 **Progress Meetings:** The CONSULTANT will chair, take, and distribute meeting minutes of weekly, on-site, construction process meetings.

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- 6.3 **Shop Drawing Review:** The CONSULTANT will receive and review CONTRACTOR submittals in a timely manner. The CONSULTANT's review will be for conformance with the design concept and contract requirements. The CONSULTANT will prepare and maintain a log of submittals to include submittal number, subject, date received, reviewer, action taken and date returned. This log will be presented at each construction progress meeting and made a part of the minutes.
- The CONSULTANT will review or take other appropriate action with respect to material and equipment submittals, shop drawings, samples and other data that the CONTRACTOR is required to submit. Such reviews or other action will not extend to means, methods, techniques, sequences, or procedures of construction or safety program of the CONTRACTOR. If during the shop drawing process, the CONTRACTOR requests substitute materials and/or equipment, the CONSULTANT will provide a recommendation on the submittal to the CITY's Project Manager. The Contract Documents will limit the number of re-submittals for a particularly submitted item to one (1) re-submittal. In addition, the CONSULTANT is assuming not more than ___ of individually numbered (not including resubmittals) submittals will be received throughout the Project, and that the average review will be ___ () staff-hours per submittal. CONSULTANT assumes that approximately one-third of the submittals will be resubmitted and that the average review will be four (4) staff-hours per submittal. If additional re-submittals are required beyond the anticipated number estimated, the cost of the CONSULTANT's review services will be paid by the CITY.
- 6.4 **Schedule Review:** The CONSULTANT will review and make recommendations to the CITY on the acceptability of the CONTRACTOR'S construction schedule. The CONSULTANT will provide the CITY with a monthly update on construction schedule progress. In addition, the CONSULTANT will make recommendation of actions the CONTRACTOR may be required to take to maintain schedule.
- 6.5 **Respond to CONTRACTOR RFI's:** The CONSULTANT will receive and respond to CONTRACTOR RFI's or requests for clarification of the contract documents or design intent. The CONSULTANT will interpret the meaning of the contract documents and will provide required clarifications or explanations of the design intent and requirements. The CONSULTANT will also prepare and maintain a log of requests received, noting the date received, subject, resolution and date response was returned to the CONTRACTOR. These reviews and replies will be in writing and will be done expeditiously. The CONSULTANT estimates that ___ RFI's will be submitted by the CONTRACTOR for the Project, requiring an estimated average of ___ staff-hours per RFI to review and respond. Efforts related to the number of RFI's in excess of these estimates or above the anticipated level of effort will be paid by the CITY. This log will be presented at each construction progress meeting and made a part of the minutes.
- 6.6 **Proposed Change Request (PCR):** The CONSULTANT will perform the following tasks as necessary:
- The CONSULTANT will record the receipt of each PCR and monitor its' disposition. The CONSULTANT will assist the CITY in negotiations with the CONTRACTOR regarding the scope and cost of contract changes. Include required construction sketches, diagrams, cost estimates, and such other items as may be required and submit them to the CITY for approval. The CONSULTANT will advise the CITY if cost and time estimates as submitted by the CONTRACTOR are fair and reasonable. The CONSULTANT will prepare change order documents, obtain necessary signatures, and provide the documents to the CITY PROJECT MANAGER.

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- The CONSULTANT estimates ___ PCRs for the Project. The CONSULTANT estimates an average preparation, redesign, review, and processing effort of ___ staff-hours per PCR for the Project. The CONSULTANT will maintain a log of change proposals, present the log at each construction progress meeting, and make the log a part of the minutes.
 - The CONSULTANT will consult with the CITY and if necessary recommend modifications to the CONTRACT DOCUMENTS when such revisions are required due to CITY request, design conflicts, or unanticipated site conditions are encountered.
 - The CONSULTANT will prepare sketches as required to resolve differing conditions encountered. The CONSULTANT will transmit to the CONTRACTOR written clarification and interpretations of the drawings and specifications not affecting time and/or contract price. If required, the CONSULTANT will furnish within a reasonable time, in writing, additional instructions by means of drawings or otherwise as required for the proper execution of the work.
 - The CONSULTANT will evaluate actual field conditions as reported by the CONTRACTOR. The CONSULTANT'S evaluation will seek to establish whether a change in the work is required to accommodate existing conditions. The CONSULTANT will make recommendations to the CITY in writing at the conclusion of the evaluation.
 - The CONSULTANT will respond in writing, within a reasonable time, on claims by the CITY or the CONTRACTOR related to performance of the work.
 - The CONSULTANT will maintain a log of change orders, present the log at each construction progress meeting, and make the log a part of the minutes.
 - The CONSULTANT estimates ___ change orders for the Project. The CONSULTANT estimates an average preparation, redesign, review, and processing effort of ___ staff-hours per change order for the Project. If claims are made by the CONTRACTOR that the CITY does not believe they are entitled to, the CONSULTANT may provide support services for claims litigation as an additional service.
- 6.7 **Project Certification:** CONSULTANT will certify the completion of the Project to regulatory agencies having jurisdiction over those particular aspects of the Project. The CONSULTANT will issue a recommendation of substantial completion for the purpose of establishing the starting date for specific equipment warranties, and to establish the date that the CITY will assume responsibility and the cost of operating such equipment.
- 6.8 **Construction Site Visits:** The CONSULTANT's design team will make periodic site visits, at intervals appropriate to the various construction stages of the work in progress. Such site visits will review materials and equipment being used to evaluate if work is in accordance with the contract documents and to provide further protection for CITY against defects and deficiencies in the CONTRACTOR'S work. A total of ___ hours per month are budgeted for site visits.
- 6.9 **Pay Request Review:** The CONSULTANT will, within two (2) days after receipt of each application for payment from the CONTRACTOR, provide written notice to the CITY recommending payment to the CONTRACTOR, or return the request to the CONTRACTOR providing written notice of the CONSULTANT'S reason for disapproval. As part of the review and approval process, the CONSULTANT will ensure that record drawings are being kept updated and that appropriate releases of liens are submitted with the pay request. Upon receipt of the CONTRACTOR'S request for final payment, the CONSULTANT will inspect and, if acceptable, submit to the CITY its recommendation as to acceptance of the work and as to the final payment request of the CONTRACTOR. Verification of stored materials inventory by the Resident Engineer is considered a part of the pay application process.

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- 6.10 **Testing Log:** The CONSULTANT will develop and maintain a testing log to document the date and result of testing completed on the site during the construction. The CONSULTANT will present the log at each construction progress meeting and make the log a part of the minutes.
- 6.11 **Permit/Construction Reporting:** The CONSULTANT will prepare construction reports for construction activities and submit the reports to regulatory agencies as required by permit conditions.
- 6.12 **Substantial and Final Completion Inspection:** The CONSULTANT will conduct one (1) substantial completion site inspection to evaluate if the Project is substantially complete. The inspection will result in the preparation of a punch list to be delivered to the CONTRACTOR in writing for final completion. The CONSULTANT will provide a copy of the punch list to the CITY PROJECT MANAGER in writing. The CONSULTANT will conduct one (1) final inspection for the Project to evaluate if the work has been completed in accordance with the Contract Documents and the punch list. Subsequent to an acceptable final inspection, the CONSULTANT will recommend, in writing, final payment to the CONTRACTOR and give written notice to the CITY and CONTRACTOR that the work is acceptable subject to any expressed conditions.
- 6.13 **Operations and Maintenance Manuals:** The CONSULTANT will oversee the development of an equipment Operations and Maintenance (O&M) manual provided through the CONTRACTOR for new equipment provided in the Project. The equipment O&M manual will include equipment O&M information, which will, by construction contract, be prepared in sufficient time to accommodate staff training prior to equipment startup.

The format for the equipment O&M manual will be discussed at the 60% design review meeting and this format will be described in the Contract Documents to obtain the required information from the CONTRACTOR in the appropriate format.

The equipment O&M manual will be assembled by the CONTRACTOR from manufacturer's literature in multiple volume, 3-ring binder sets matching as close as possible to the format of the existing plant equipment O&M manuals. Original manufacturer's literature, copies of approved shop drawings, and startup, operation, maintenance, and troubleshooting instructions are to be furnished for each new item of equipment furnished in the Project. Manufacturer's literature, shop drawings, and O&M instructions are to be organized and filed by equipment identification number. Each piece of equipment discussed in the manual will have a reference section that will include, at a minimum, reference to the Project specifications by specification number and drawing by number.

CONSULTANT will meet with the CITY after the three month Project performance evaluation period to discuss CITY comments on revisions to the OM or O&M Manuals occasioned by operating experience and as recommended by the CONSULTANT.

- 6.14 **Record Drawings:** CONSULTANT will prepare final record drawings from the original disk file based on CONTRACTOR supplied red-lined drawings and information, approved shop drawings, on site inspections and other knowledge regarding field changes, modifications, etc., made during the construction phase of the Project. CONSULTANT will submit record drawings to the appropriate regulatory agencies and provide CITY with an electronic file copy on CD, three (3) signed and sealed copies of the record drawings. Electronic files will be in AutoCAD, CITY's standard version. The CONSULTANT will not be held responsible for any errors or omissions in the information from others that are incorporated into the record drawings. Record drawings will be submitted prior to CONSULTANT'S contract completion in order to support Project certification.

TASK 7 – CONSTRUCTION MANAGEMENT AND OBSERVATION SERVICES

[Future Authorization]

This task includes the effort for Construction Management and Inspection services for the project. The CONSULTANT will provide a Construction Management, Construction Observer, and Clerical Administration personnel for the duration of construction of the Project estimated for the ___ month construction period. The CONSULTANT'S field staff will use a separate Project field trailer to be provided by the CITY or CONTRACTOR. The services to be performed are related to field observation, inspection, and administration only. The CONSULTANT will neither perform construction nor manage the CONTRACTOR.

The CONSULTANT will perform the following tasks:

- Arrange, attend, and conduct progress meetings and other job conferences, as required. Prepare, maintain, and circulate copies of meeting minutes. Prepare and maintain various logs, including but not limited to the following:
 - Action Items
 - Shop Drawing Submittal/Approval
 - Material Testing Results
 - Coordinate Building Department Inspections and disapprovals
 - Requests for Information
 - Request for Proposal
 - Proposed Change Requests (PCR)
 - Deficiency/Noncompliance
 - Complaints
 - Project Photos
 - Inventory and Verification of Stored Materials
 - Punch List
- Serve as CITY'S liaison with the CONTRACTOR to assist the CONTRACTOR in understanding the intent of the Contract Documents. As requested by the CITY, obtain detailed information relative to the work in progress.
- Advise parties immediately of the CONTRACTOR's commencement of work requiring a submittal that has not been approved by the CONSULTANT.
- Conduct and record on-site observations of the work in progress with such frequency as necessary to verify accuracy and quality of installation and materials installed. Maintain a complete and accurate daily log of activities; fill out Daily Reports of Construction with submittal of reports to the CITY; take progress photos and provide in bound, dated, and noted format to the CITY upon request. Submit logs and photos at weekly progress meetings.
- The CONSULTANT will report to the CITY work for which is aware as being unsatisfactory or faulty, does not conform to the contract documents, is otherwise defective, does not meet the requirements of inspections, tests, or approvals required, or has been damaged prior to final payment. The CONSULTANT will advise the CITY when work should be corrected or rejected, should be uncovered for observation, or requires special testing, inspection, or approval.

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- The CONSULTANT will accompany visiting inspectors representing public or other agencies having jurisdiction over the Project. The CONSULTANT will record the outcome of these inspections and report to the CITY PROJECT MANAGER.
- Consult with the CONTRACTOR in advance of scheduled major tests, inspections, or start of major phases of the work. Advise CITY PROJECT MANAGER of schedules for and changes to the schedule for testing.
- Review Applications for Payment with CONTRACTOR for compliance with the established procedure for their submission.
- Keep track of quantities placed, including stored materials. Make written recommendation in relation to the schedule of values for work completed and materials stored and equipment delivered to the site but not incorporated into the work.
- Review the CONTRACTOR's Record Drawings weekly to ensure CONTRACTOR is keeping adequate records as required.
- Develop an official punch list for substantial completion. Assist the CITY PROJECT MANAGER in evaluating the completion of the work. Conduct substantial completion and final completion inspection of the work in the company of the CITY PROJECT MANAGER and other CITY staff as designated by the CITY PROJECT MANAGER. Prepare a final list of items requiring completion. Verify that items identified have been completed or corrected and make recommendations to the CITY concerning acceptance.

The Construction Manager or Observer shall not exceed limitations for inspection services as above set forth herein or take actions not specifically authorized herein or by the CITY.

The CONSULTANT will not undertake any of the responsibilities of the CONTRACTOR or SUBCONTRACTORS. The CONSULTANT will not advise on or issue directions pertaining to any aspect of the means, methods, techniques, sequences, or procedures of construction unless such is specifically called for in the Contract Documents. The CONSULTANT will not advise on or issue directions about safety precautions and programs about the CONTRACTOR's Work. If the CONSULTANT observes potential unsafe conditions or practices, the CONSULTANT will bring these to the attention of the CONTRACTOR. If conditions are not addressed in a reasonable time frame, the CONSULTANT will bring the issue to the attention of the CONSULTANT's Project Manager and the CITY. The CONSULTANT will not approve interruptions or modifications of the CITY's facilities without the prior written approval of the CITY.

TASK 8 - POST-CONSTRUCTION SERVICES [*Future Authorization*]

This task provides the effort for post-construction phase services for the project. The CONSULTANT will provide the following services subsequent to the completion of the construction of the expansion of the SCAWTP:

- 8.1 **Startup and Initial Operations:** The startup of the system components is the primary responsibility of the CONTRACTOR and the various system and equipment suppliers. The CONSULTANT'S technical specifications will require the CONTRACTOR to develop information for performing a Functional Acceptance Test (FAT) for each loop of the instrumentation and

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controls system. The CONTRACTOR on a loop-by-loop basis will demonstrate each function described in the Contract Documents.

The CONSULTANT and the CITY will review the CONTRACTOR's startup procedures for each system, including mechanical and process systems, and equipment item prior to startup. The CONSULTANT will observe the CONTRACTOR's startup procedures and provide assistance as it pertains to the design intent. Provide startup and troubleshooting assistance, as necessary.

The CONSULTANT will advise the CITY of observed startup problems and suggested corrective actions to be performed by the CONTRACTOR.

- 8.2 **Equipment Training:** The CONSULTANT will coordinate with the equipment vendor's to provide operations training for the new equipment of the upgraded facility. This will include a review of CONTRACTOR prepared training materials in advance of the training, and the coordination of the timing of the training between the CONTRACTOR and the CITY's operations staff in advance of the training. Such training will take place after the approval of the O&M Manual for the equipment, but prior to the actual start-up of the equipment.
- 8.3 **Operation and Maintenance Training:** The CONSULTANT will plan, organize, and coordinate presentations for the on-site operator-training program. The CONSULTANT'S construction specifications will specify that the CONTRACTOR will be responsible for a minimum quality and content for the training as well as the preparation and submittal for CONSULTANT approval of a draft agenda and draft training material. Where vendor training is lacking, incomplete, or inaccurate, the CONSULTANT will require the CONTRACTOR to modify the training. A total of ___ hours are budgeted to coordinate CONTRACTOR provided training.

Once training is completed by vendors, CONSULTANT will provide supplementary training for the CITY'S plant O&M staff in the safe and proper techniques of O&M for Project equipment, including on-site classroom instruction and on-site examination of plant equipment. A total of ___ hours are budgeted for CONSULTANT training.

Vendor and CONSULTANT training sessions will be recorded and a copy provided to the CITY. The contract documents will reflect that the CONTRACTOR is responsible for conducting the vendor video training, operating the video equipment, recording the training, and providing the recorded information on a DVD. CONSULTANT will coordinate recoding of CONSULTANT training.

- 8.4 **Operations Monitoring:** For a three month period following substantial completion of construction, the CONSULTANT will schedule visits the site to review operating and maintenance procedures with CITY operations staff and to assess that the facilities are performing in accordance with the design intent. The CONSULTANT will prepare monthly reports during this time denoting compliance and/or deficiencies in performance based upon the information gathered during the site visits. CONSULTANT will recommend corrective actions if and when required during this period. A total of ___ hours is budgeted for this task.
- 8.5 **OM and O&M Manual Revisions:** CONSULTANT will revise the plant Operations Manual, as necessary, to accommodate actual operating experiences. CONSULTANT will obtain updates or revisions to the equipment O&M Manual from the CONTRACTOR or manufacturers, as necessary, to accommodate actual maintenance experience with the new equipment.

PHASE 9 – ADDITIONAL ENGINEERING SERVICES

The CITY recognizes that, due to the complexity of retrofitting an existing facility, some additional engineering efforts may be required to complete this Project that cannot be currently anticipated or quantified. An Allowance for Additional Engineering Services is hereby established to provide for any additional engineering services necessary to complete this Project. These monies will be released upon written approval of the CITY after it is decided that such expenditure meets the CITY's needs or interests, or which may be required to properly complete the Project due to additional efforts required related to design issues that could not have been previously known. Any such monies remaining at the completion of the project will be returned to the CITY. Additional engineering services under this Phase may include, but not be limited to, the following:

- 9.1 External stakeholder plan development and management of external stakeholders. This would include public involvement and public information needed for public acceptance.
- 9.2 Internal stakeholder facilitation and workshops.
- 9.3 Allowance for unforeseen improvements that may result from Evaluation Phase efforts..

SUPPLEMENTAL SERVICES

Any Work requested by CITY that is not included in one of the items listed in any other phase will be classified as supplemental services.

Supplemental Services shall include, but are not limited to:

1. Additional meetings with local, state, or federal agencies to discuss the project.
2. Additional appearances at public hearings or before special boards.
3. Supplemental engineering required to meet the requirements of regulatory or funding agencies that become effective subsequent to the date of this Task Order.
4. Special consultants or independent professional associates requested or authorized by CITY.
5. Preparation for litigation, arbitration, or other legal or administrative proceedings; and appearances in court or at arbitration sessions in connection with bid protests, change orders, or construction incidents.
6. Additions to engineering reports to update or revise original recommendations.
7. Value Engineering reviews or services.
8. Revision of designs, drawings, and specifications to incorporate changes arising from Value Engineering type reviews.
9. An environmental assessment and/or environmental impact statement as requested by CITY or required by review agencies.
10. Provision, through a subcontract, of laboratory and field testing required and of any special reports or studies on materials and equipment requested by CITY.
11. Conducting pilot plant studies and tests.
12. Changes in the general scope, extent, or character of the project, including, but not limited to:
 - a. Changes in size or complexity.
 - b. CITY's schedule, design, or character of construction.
 - c. Method of financing.
 - d. Revision of previously accepted studies, reports, design documents, or construction contract documents when such revisions are required by changes in laws, rules, regulations, ordinances, codes, or orders enacted subsequent to the preparation of such

Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
 Task Order Consultant: BGR Joint Venture

Exhibit B

Estimated Labor Hours and Associated Fee

The following estimate of labor and fee are responsive to Exhibit A - Scope of Services. The labor categories and hours shown below are for overall budget purposes to establish a Total Fee. Additional labor categories and a redistribution of hours will be done upon Notice to Proceed to establish as many as 25 to 30 labor categories that will allow the Bureau of Engineering to monitor the work progress in more detail. The additional labor categories that will be added will not increase the Total Fee.

Estimated Labor Hours

Labor Category	Home Office Rate	Estimated Home Office Hours per Category	Field Office Rate	Estimated Field Office Hours per Category	Total Estimated Fee per Category
PM-3	\$180	116			\$20,916
Eng-10 (a)	\$230	611			\$140,502
PM-4 (a)	\$199	503			\$100,093
PM-4 (b)	\$199	471			\$93,817
Eng-10 (b)	\$230	1491			\$342,856
Eng-7	\$163	3786			\$617,058
Eng-8	\$185	1680			\$310,785
Eng-5	\$120	5548			\$665,726
Eng-3	\$90	2789			\$250,992
Dgn-5	\$122	1494			\$182,268
Dgn-4	\$102	1079			\$110,058
Admin Assistant, Sr. (a)	\$80	691			\$55,245
Admin Assistant, Sr. (b)	\$80	691			\$55,245
Labor Totals		20848		0	\$2,945,561

Estimated Fee

Labor	\$2,945,561
Phase 9 – Add'l Engr Services	\$240,700
Other Expenses	\$207,085
Total Fee	\$3,393,346

studies, reports, documents, or designs; or are required by any other causes beyond Engineer's control.

13. Architectural renderings, computer photo imaging, or models of buildings or sites.
14. Odor control surveys, dispersion modeling, or air permitting.
15. Biosolids permitting.
16. Payment of permitting fees.
17. Cultural resource assessment surveys.
18. Endangered species assessments or other environmental permitting unless specifically listed in the scope of work.
19. Improvements to other process units at the ICWRC or SRWRC not listed in the scope or work.
20. Design of new liquid train process treatment units for ICWRC or SRWRC such as membrane bioreactors.
21. Offsite modifications, relocations, or permitting with any offsite features, property, or CITY or non-CITY owned infrastructure.
22. Electronic O&M Manuals.

ASSUMPTIONS

The following assumptions were used to develop this Scope of Services and the estimated engineering services fee for this Project. Should the work of the Project exceed these assumptions, the CONSULTANT may request additional fee as Supplemental Services or under Additional Engineering Services. Assumptions include:

- With the exception of the final review, the Project team will continue the design effort during formal reviews of deliverables.
- The design will be based on the federal, state, and local codes and standards in effect at the start of the Project.
- The CITY standard Division 1 documents will be used. The CITY will provide electronic copies of these documents in MS Word format to the CONSULTANT. The CONSULTANT'S master specifications will be used for the other specification divisions.
- No additional easements or land acquisition services are required for this Project.
- Project management time is greatly dependent on the schedule of the work. If the schedule is extended for reasons other than caused by the CONSULTANT, extended Project management time is necessary and these fees will increase.

Task Order Number: 017 – ICWRC Decommissioning and SRWRC Primary Clarifiers
 Task Order Consultant: BGR Joint Venture

EXHIBIT C

Project Schedule

CONSULTANT'S services will commence upon written authorization from the CITY, which will constitute Notice to Proceed (NTP). Within fourteen (14) calendar days after the NTP, the CONSULTANT will submit a preliminary Project schedule for the Project demonstrating how the services are to be performed to meet the CITY's scheduling goals. This schedule will be updated periodically throughout the Project as described under Phase 1 – Project Management Services.

CITY will furnish review comments to CONSULTANT within fifteen (15) working days after each submittal. Submittals will be made in accordance with requirements under Phases 3 and 4 – DESIGN PHASE SERVICES and in accordance with the below Project schedule. CONSULTANT will continue to work on the plans and specifications during the review periods.

Proposed Project Schedule

<u>Milestone</u>	<u>Duration</u>	<u>Weeks from NTP</u>
Requested Data from City	2	2
Technical Kick-Off Workshop	2	4
Evaluation Phase Complete	16	22
Design Development Report	2	24
30% Submittal	12	36
60% Submittal	12	48
90% Submittal	8	56
100% Draft Submittal	4	60
100% Final Design Completed/ Bid Ready Documents	4	64
Construction Bidding	24	78
Construction NTP	TBD	TBD
Construction Completion	TBD	TBD

Note: Opinions of Probable Construction Cost (OPCC) will be submitted 2 weeks after DDR, 30%, 60%, 90% and 100% submittals.

Note: The milestones shown in the above schedule are contingent upon receipt of the data requested from the CITY. The construction schedule for the Project will be developed cooperatively between the CONSULTANT and the CITY during the design phase.

If the CONSULTANT does not receive design review comments within the fifteen (15) working day review period, the CONSULTANT will continue the design effort to reach the next milestone and CITY may grant additional time to the schedule and consider additional compensation due to change in schedule. The CONSULTANT will notify CITY in writing of other delays beyond the CONSULTANT'S control in accordance with the Agreement. CITY may grant a time extension and compensation for reasons so documented at its discretion.

Bidding Phase services for each Project will commence upon written authorization from the CITY. It is estimated that the Bidding Phase for the Project will be completed in 75 calendar days subject to bid extensions for bid protests, clarifications or other conditions beyond the control of the parties.

**DEPARTMENT OF PROCUREMENT
LEGISLATION SUMMARY**

TO: City Utilities Committee

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE, FOR FC-4906C, ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, FOR THE INTRENCHMENT CREEK WATER RECLAMATION CENTER DECOMMISSIONING AND SOUTH RIVER WATER RECLAMATION CENTER PRIMARY CLARIFIERS AND AUXILIARY EQUIPMENT IN AN AMOUNT NOT TO EXCEED THREE MILLION, THREE HUNDRED NINETY-THREE THOUSAND, THREE HUNDRED FORTY-SIX DOLLARS AND ZERO CENTS (\$3,393,346.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5052 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 170207 (DWM TREATMENT PLANT-INTRENCHMENT CREEK) 5212001 (CONSULTING) 4335000 (SEWAGE TREATMENT PLANTS) 111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 17111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) 101 (TASK) 505221391 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 5212001 (CONSULTING) COA; AND FOR OTHER PURPOSES.

COMMITTEE MEETING

DATE: June 11, 2013

COUNCIL MEETING

DATE: June 17, 2013

LEGISLATION TITLE: Intrenchment Creek Water Reclamation Center Decommissioning and South River Water Reclamation Center Primary Clarifiers And Auxiliary Equipment Task Order

REQUESTING DEPT.: Watershed Management

CONTRACT TYPE: Professional Services

AWARDEES: BGR Joint Venture Office

SOURCE SELECTION: Sealed RFP

PROPOSALS DUE: May 6, 2009

INVITATIONS MAILED: 150

PROPOSALS
RECEIVED: 14

PROPOSERS:

- A E COM/ H. J. Russell, Joint Venture
- Arcadis /Brindley Pieters & Associates, Inc, Joint Venture
- Atlanta Services Group
- BGR Joint Venture Office
- Brown and Caldwell, Inc /Delon Hampton & Associates, Chartered, A Joint Venture
- Citywide Infrastructure Provider
- JP2 (Jacobs, PRAD, PBS&J)
- MA-HMM Gude, JV
- Parsons-Cardozo Engineering, Joint Venture
- Prime Engineering, Inc. and Chester Engineers, Joint Venture
- Shaw-Benchmark, Joint Venture
- Southern Right of Way
- Strategic Team Concepts, LLC
- Total Solution Partners

Contractor: BGR Joint Venture Office

Estimated Value: \$ 3,393,346.00

Scope Summary: BGR will provide Design services for the Decommissioning of Intrenchment Creek WRC and South River WRC Primary Clarifiers and Auxiliary Equipment.

BACKGROUND: Original executed on December 21, 2009, expired on December 20, 2011.

Renewal Agreement No.1 will extend the current Agreement one additional year for time only. Renewal Agreement No. 1 effective term December 20, 2011 to December 19, 2012

Renewal Agreement No.2 extended the current Agreement one additional year for time only. Renewal Agreement No. 2 effective term extends from December 20, 2012 to December 19, 2013

EVALUATION TEAM
COMPOSITION: DWM, OCC, DPW, LAW, OEMA, DPRCA

TERM OF CONTRACT: Two (2) years with an option to renew for three (3) one (1) year periods

FUND ACCOUNT CENTERS: N/A
PREPARED BY: Anthony Stanley
CONTACT NUMBER: 404-330-6384

Search Results

Current Search Terms: BGR* Joint* venture* office*

No records found for current search.

SAM | System for Award Management 1.0

IBM v1.970.20130522-1640

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.



TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

ATTN: CANDACE L. BYRD

Dept.'s Legislative Liaison: Maisha L. Wood

Contact Number: 404-330-6887

Originating Department: Watershed Management

Committee(s) of Purview: City Utilities Committee

Chief of Staff Deadline: May 24, 2013

Anticipated Committee Meeting Date(s): June 11, 2013

Anticipated Full Council Date: June 17, 2013

Legislative Counsel's Signature: *Patricia M. AR*

Commissioner's Signature: *Maecina*

Chief Financial Officer: n/a

Chief Information Officer Signature (for IT Procurements) n/a

DJB Chief Procurement Officer Signature: *Adam J. Smith*

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE, FOR FC-4906C, ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, FOR THE INTRENCHMENT CREEK WATER RECLAMATION CENTER DECOMMISSIONING AND SOUTH RIVER WATER RECLAMATION CENTER PRIMARY CLARIFIERS AND AUXILIARY EQUIPMENT IN AN AMOUNT NOT TO EXCEED THREE MILLION, THREE HUNDRED NINETY-THREE THOUSAND, THREE HUNDRED FORTY-SIX DOLLARS AND ZERO CENTS (\$3,393,346.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5052 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 170207 (DWM TREATMENT PLANT-INTRENCHMENT CREEK) 5212001 (CONSULTING) 4335000 (SEWAGE TREATMENT PLANTS) 111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 17111468 (INTRENCHMENT CREEK WRC DECOMMISSIONING SAFETY & SECURITY) 101 (TASK) 505221391 (WATER & WASTEWATER RENEWAL AND EXTENSION FUND) 5212001 (CONSULTING) COA; AND FOR OTHER PURPOSES.

FINANCIAL IMPACT: (if any) (\$3,393,346.00)

Mayor's Staff Only

Received by CPO: _____
(date)

Received by LC from CPO: _____
(date)

Received by Mayor's Office: *Adrian 5-24-13*
(date)

Reviewed by: *[Signature]*
(date)

Submitted to Council: _____ (date)

Attachment: 4906C Intrenchment Creek Water Reclamation Center and South River Water Reclamation Center Clarifier Transmittal (13-R-3247 :