



Engineering Services Committee
Meeting

Commission Chamber- 2/27/2012- 1:00 PM

ENGINEERING SERVICES

1. Presentation by Mr. Larry Butler of Ameresco regarding energy reduction services. ☐ [Attachments](#)
2. Motion to **ratify** the agreement between Davis Lawn Care, LLC and Augusta, Ga. for services rendered in connection with the 2011 grant award associated with the G-DOT GATEway Grant for Roadside Enhancement and Beautification in the amount of \$31,865.00 for the **Deans Bridge Road/Gordon Highway Enhancement and Beautification Project**. ☐ [Attachments](#)
3. Motion to **ratify** Memorandum of Understanding between Georgia Department of Transportation and Augusta, Ga. relating with task associated with design, administration of the Special Encroachment Permit application project name GA10-4 Intersection Gateway Enhancement. ☐ [Attachments](#)
4. Approve purchase of the ICOM3 support software for the SOLO Robotic camera totaling \$59,250. ☐ [Attachments](#)
5. Request by City of Hephizbah for Augusta, Georgia to rescind resolution to provide water and sewer services to Redfield Property Development (Rhodes' Estate). ☐ [Attachments](#)
6. Authorize the execution of an agreement with the U. S. Department of the Interior U. S. Geological Survey (USGS) for the operation, modeling and analyzing of monitoring wells to investigate water levels and water quality for Augusta's groundwater production facilities. ☐ [Attachments](#)



**Engineering Services Committee Meeting
2/27/2012 1:00 PM
Ameresco**

Department: Clerk of Commission

Caption: Presentation by Mr. Larry Butler of Ameresco regarding energy reduction services.

Background:

Analysis:

Financial Impact:

Alternatives:

Recommendation:

**Funds are Available
in the Following
Accounts:**

REVIEWED AND APPROVED BY:

FEB. 27, 2012
COMMITTEE MEETING.

AGENDA ITEM REQUEST FORM

Commission/Committee: (Please check one)

- ☐ Commission
☐ Public Services Committee
☐ Administrative Services Committee
☒ Engineering Services Committee
☐ Finance Committee
☐ Public Safety Committee

Contact Information for Individual/Presenter Making the Request:

Name: LARRY BUTLER / Ameresco
 Address: 3525 Piedmont Rd. Bldg. 7 Suite 300 Atlanta GA 30305
 Telephone Number: 404-991-4554
 Fax Number: N/A
 E-Mail Address: lbutler@ameresco.com

Caption/Topic of Discussion to be placed on the Agenda:

Energy Reduction Services.

Please send this request form to the following address:

Ms. Lena J. Bonner
 Clerk of Commission
 Room 806 Municipal Building
 530 Greene Street
 Augusta, GA 30911

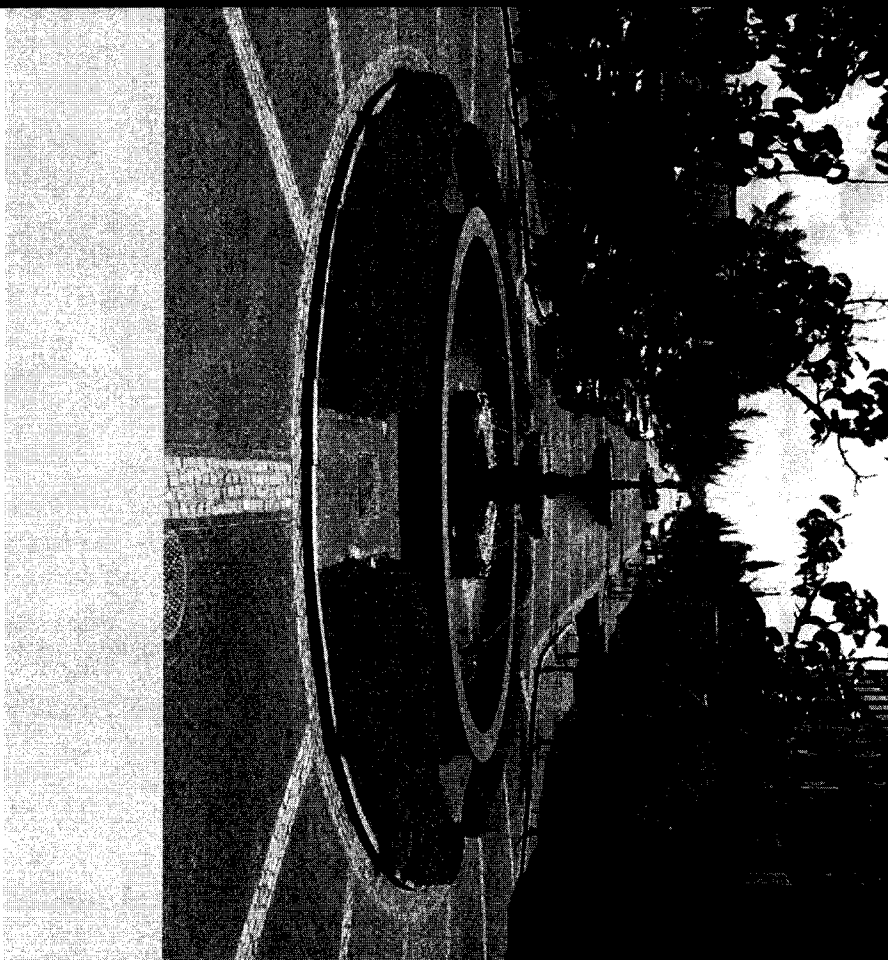
Telephone Number: 706-821-1820
 Fax Number: 706-821-1838
 E-Mail Address: lbonner@augustaga.gov

Requests may be faxed, e-mailed or delivered in person and must be received in the Clerk's Office no later than 5:00 p.m. on the Wednesday preceding the Commission or Committee meeting of the following week. A five-minute time limit will be allowed for presentations.

Commission meetings are held on the first and third Tuesdays of each month at 2:00 p.m.
 Committee meetings are held on the second and last Mondays of each month from 12:30 to 3:30 p.m.

City of Augusta, Georgia

Energy Performance Contracting Services



Item #

Ameresco Team

Item

- Larry Butler, Senior Account Executive
- Larry Landry, Senior Account Executive
- Angela Dortch, Account Executive
- Rich Allingham, Director of Construction
- Jay Lockard, Project Manager
- Mike Burner, Project Manager

About Ameresco

Item

Ameresco delivers comprehensive energy management solutions on both sides of the meter that drive energy efficiency, leverage renewable energy and achieve profitability and sustainability goals for our commercial, industrial, institutional and municipal customers.

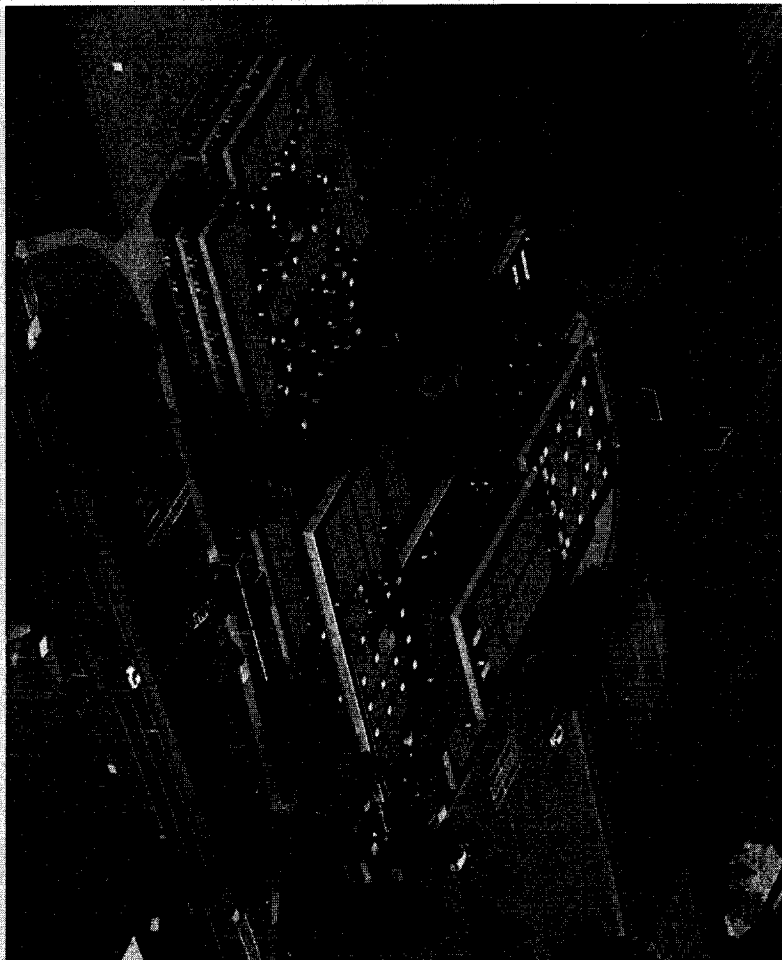
Ameresco Background

Item

- One of the largest ESCOs in North America
- Industry leader with experience going back over 30 years
- \$5 Billion in energy solutions delivered
- More than \$1.3 billion of projects currently in development/ construction
- Significant experience in municipal sector and all sectors
- Over 800 energy professionals in 50+ North American offices
- Licensed and qualified to work in all 50 states
- Technology and equipment neutral
- **Energy is our only business!**
- **Performance contracting is our core business!**

Experience

ameresco.com



Item #

AMERESCO
Green • Clean • Sustainable

State and Local Government Experience

Item

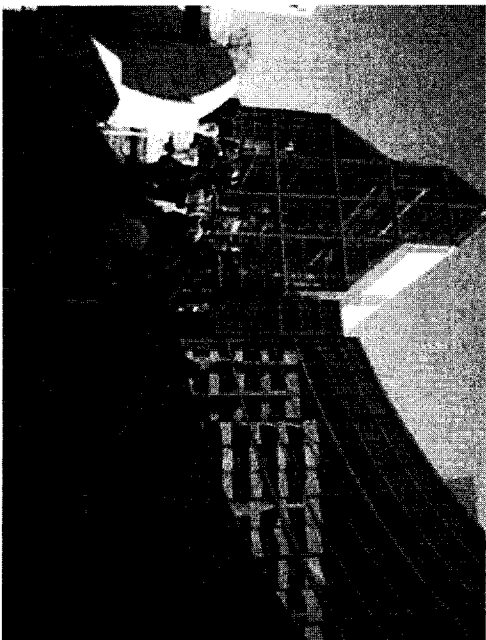
Ameresco provides a comprehensive range of energy services to state and local governments

- Upgrade or renew facilities with no up-front cost
- Minimize energy risk and fuel price volatility
- Use ESPCs to finance federal energy efficiency projects
- Increase occupant comfort
- Reduce energy consumption and operating costs
- Capture opportunities created by deregulation, such as bulk purchasing of commodities and real-time pricing strategies
- Mitigate energy-related risks and costs
- Implement renewable or new energy strategies such as distributed generation, cogeneration, electric-to-gas conversions, geothermal heat pumps, landfill reclamation, etc.

City of Knoxville, Tennessee

Item

- Complex project including over 100 buildings totaling 2.3 million square feet
- Total contract amount of \$13.4 million with annual savings of \$1.1 million
- Over 40 public parks and golf courses included in the project
- Innovative/renewable solutions
- Community involvement
- Final contract: \$1.1M/annual energy savings



ameresco.com

AMERESCO
Green • Clean • Sustainable

The Ameresco Advantage

Item

- Independence and objectivity
 - No manufacturer or utility affiliations
 - The City of Augusta controls equipment selections and maintenance methods
- Low-cost corporate structure
 - Use in-house engineering and project management
- Competitive project bidding process – labor & material
- Process structured to deliver Greatest Value for the customer \$\$\$
- Open-book pricing = greater transparency
- Strong municipal and corrections facility experience
- Financial strength and stability
 - Over \$1.3 billion of projects in construction/development
- Financing structure that meets the city's unique requirements
 - 100% Performance-based
- Proven track record



Engineering Services Committee Meeting

2/27/2012 1:00 PM

Contract GATEway Grant for Roadside Enhancement and Beautification

Department:

Caption: Motion to **ratify** the agreement between Davis Lawn Care, LLC and Augusta, Ga. for services rendered in connection with the 2011 grant award associated with the G-DOT GATEway Grant for Roadside Enhancement and Beautification in the amount of \$31,865.00 for the **Deans Bridge Road/Gordon Highway Enhancement and Beautification Project.**

Background: In 2010 the Augusta Commission approved a grant application for GATEway funds from the Georgia Department of Transportation for the above referenced project. In December 2011 Augusta received notification that Augusta, Ga. had been granted the funds which needed to be expended within a 90-day timeline.

Analysis:

Financial Impact:

Alternatives:

Recommendation:

**Funds are Available
in the Following
Accounts:**

REVIEWED AND APPROVED BY:

ALA Document A101

THE AMERICAN INSTITUTE OF ARCHITECTS

Standard Form of Agreement Between Owner and Contractor

where the basis of payment is a
STIPULATED SUM

1997 EDITION-modified

THIS DOCUMENT HAS IMPORTANT LEGAL CONSEQUENCES; CONSULTATION WITH AN ATTORNEY IS ENCOURAGED WITH RESPECT TO ITS COMPLETION OR MODIFICATION. The 1997 Edition of ALA Document A201, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

AGREEMENT

made as of the ____ day of February in the year of **Two Thousand and Twelve**

BETWEEN the Owner: *Augusta, Georgia*
530 Greene Street – Room 801
Augusta, Georgia 30901

and the Contractor: *Davis Lawn Care, LLC*
316 UN Court Suite e
Grovetown, GA 30813

The Project is:
Landscaping GDOT Right of Way at the South East Quadrant of the Intersection Gordon Hwy & Dean Bridge Road

The Project Manager is:
Sam Smith
Augusta, Georgia Recreation Parks and Facilities Department

The Owner and Contractor agree as set forth below.

Table of Articles

1. The Contract Documents
2. The Work Of This Contract
3. Date of Commencement and Substantial Completion
4. Contract Sum
5. Progress Payments
6. Final Payment
7. Miscellaneous
8. Termination or Suspension
9. Enumeration of Contract Documents
10. Attachment 1: Additional Provisions

ARTICLE 1 THE CONTRACT DOCUMENTS

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Clarifications issued prior to execution of this Agreement, other documents listed in this Agreement and Modifications issued after execution of this Agreement; these form the Contract, and are as fully a part of the Contract as if attached to this Agreement or repeated herein. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representation or agreements, either written or oral. An enumeration of the Contract Documents, other than Modifications, appears in Article 9.

ARTICLE 2 THE WORK OF THIS CONTRACT

The Contractor shall execute the entire Work described in the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others, including, but not limited to the following: Augusta, Georgia seeks a vendor for landscaping improvements. The project will consist of landscaping improvements at the southeast quadrant of the intersection of Gordon Highway and Deans Bridge Road. The improvements will be located between the edge of the pavement and the property line within the right-of-way owned by the Georgia Department of Transportation. Plans and specifications are included with the Contract Documents.

The project will consist of clearing existing, vegetation as needed, utilizing dirt provided at the site by Contractor to create breams, other minor grading as needed, erosion and sedimentation control using best management practices, installing irrigation beginning at an onsite water source to be provided by Augusta, providing and installing plant material and turf, mulching, soil enhancement and providing traffic control. Since the project is located within the GDOT right-of-way the project must follow GDOT T.O.P.S document 6755-9-Landscaping on the right-of-way – and adhere to all rules for traffic control. Contractor will provide transportation of dirt from Augusta's wastewater treatment plant to the site of the project priced per cubic yard as shown in Section 4.3 of this contract.

ARTICLE 3 DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

3.1 The date of commencement is the date from which the Contract Time of Paragraph 3.2 is measured, and shall be the date of this Agreement, as first written above, unless a different date is stated below or provision is made for the date to be fixed in a notice to proceed issued by the Owner.

Work will commence on the date established in the Notice to Proceed. All work will commence no later than one (1) day from the date of the Notice to Proceed.

3.2 The Contractor shall achieve Substantial Completion of the entire Work not later than March 1, 2012, unless an extension is granted by the owner.

If the Contractor neglects, fails or refuses to complete the Work within the time specified, then the Contractor shall pay to the Owner as liquidated damages for the delay of final completion, and not as a penalty, the amount of: (i) \$500.00 per calendar day until the owner issues the Certificate of Substantial Completion.

ARTICLE 4 CONTRACT SUM

4.1 The Owner shall pay the Contractor in current funds for the Contractor's performance of the Contract the Contract Sum of Thirty-One Thousand Eight Hundred Sixty-Five Dollars (\$31,865.00) subject to additions and deductions as provided in the Contract Documents.

4.2 The Contract Sum is based upon the following alternates, if any, which are described in the Contract Documents and are hereby accepted by the Owner:

Base Bid \$26,085.00

Alternate 5,760.00 (Loading, handling, and dumping of dirt at job site per Plan)

Total \$31,865.00

4.3 Unit prices, if any, are as follows:

\$5.56 per yard of Dirt (loaded, handled, and dumped at job site)

ARTICLE 5 PROGRESS PAYMENTS

5.1 Based upon Applications for Payment submitted to the Owner by the Contractor and Certificates for Payment issued by Project Manager the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.

5.2 The period covered by each Application for Payment shall be one calendar month ending on the last day of the month, or as follows:

5.3 Provided an Application for Payment is received by the Owner not later than the Wednesday prior to the last Friday of the month, the Owner shall make payment to the Contractor not later than the last Friday of the month. If an Application for Payment is received by the Owner after the application date fixed above, payment shall be made by the Owner at their next payment cycle.

5.4 Each Application for Payment shall be based upon the Schedule of Values submitted by the Contractor in accordance with the Contract Documents. The Schedule of Values shall allocate the entire Contract Sum among the various portions of the Work and be prepared in such form and supported by such data to substantiate its accuracy as the Owner may require. This Schedule, unless objected to by the Owner, shall be used as a basis for reviewing the Contractor's Applications for Payment.

5.5 Applications for Payment shall indicate the completion of the work as described in Bid Item Number 12-125.

5.6.1 Subject to the provisions of the Contract Documents, the amount of the payment shall be computed as follows: Based on Bid Item Number 12-125 and any contract modifications by the Owner.

5.6.2 No retainage. A 10% Bid Bond in the form of a certified cashier check is being held by the Owner in the amount of \$3,186.50.

ARTICLE 6 FINAL PAYMENT

Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the Owner to the Contractor when (1) the Contract has been fully performed by the Contractor except for the Contractor's responsibility to correct nonconforming Work as provided in Bid Item 12-125. Final payment shall be made by the Owner not more than 30 days after the issuance of the Owner's final Certificate for Payments.

ARTICLE 7 MISCELLANEOUS PROVISIONS

7.1 Where reference is made in this Agreement to a provision of Bid Item 12-125 or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

7.2 The Owner's representative is: George Patty, 525 Telfair Street, Augusta, GA 30901. The Contractor's representative is: Andy Davis of Davis Lawn Care, LLC, 316 UN Court, Suite 2, Grovetown, GA 30813.

7.3 Neither Owner's nor Contractor's representative shall be changed without ten day's written notice to the other party.

7.4 Additional Provisions as stated in **Attachment 1**, incorporated herein by reference.

7.5 Other provisions: If applicable, will be addressed by owner as an amendment to this contract.

ARTICLE 8 TERMINATION OR SUSPENSION

8.1 That the failure of the Contractor to satisfactorily discharge any of the promises of nondiscrimination as made and set forth herein shall constitute a material breach of contract entitling Owner to declare the contract in default and to exercise any and all applicable rights remedies including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and or forfeiture of compensation due and owing on a contract.



**Engineering Services Committee Meeting
2/27/2012 1:00 PM
GATEway Grant Deans Bridge Rd. and Gordon Hwy.**

Department:

Caption: Motion to **ratify** Memorandum of Understanding between Georgia Department of Transportation and Augusta, Ga. relating with task associated with design, administration of the Special Encroachment Permit application project name GA10-4 Intersection Gateway Enhancement.

Background: In October 2010 the Augusta Commission approved a grant application for GATEway funds from the Georgia Department of Transportation. In December 2011 Augusta received notification that Augusta, Ga. had been granted the funds and needed to expend the funds within a 90-day timeline for the above referenced project.

Analysis:

Financial Impact:

Alternatives:

Recommendation:

**Funds are Available
in the Following
Accounts:**

REVIEWED AND APPROVED BY:

Print Form



MEMORANDUM OF UNDERSTANDING

BETWEEN

~~The~~ AUGUSTA-RICHMOND COUNTY, hereinafter called the "GRANTEE",
and the Georgia Department of Transportation, hereinafter called the "DEPARTMENT",

RELATIVE TO

The GRANTEE assuming responsibility for tasks associated with design, administration, or plant installation, and maintenance for Special Encroachment permit application project name GA 10 + 4 INTERSECTION, hereinafter called the "PROJECT".
GATEWAY ENHANCEMENT

I. IT IS THE INTENTION OF THE PARTIES:

The GRANTEE fund 100% of cost for maintenance, design, administration, construction, equipment, or mitigation for the PROJECT.

II. IT IS AGREED:

- A. That plant material funding will be dependent upon the GRANTEE obtaining a special encroachment permit from the District Traffic Operations Office meeting appropriate safety, access, and design standards;
- B. That nothing contained herein shall obligate the DEPARTMENT to proceed with subsequent stages of the PROJECT.
- C. That the GRANTEE'S expenditure prior to execution of an Agreement with the DEPARTMENT for funding plant material of the PROJECT shall be at the sole cost and risk to the GRANTEE. Should the GRANTEE or the DEPARTMENT determine that for any reason the PROJECT is unable to enter subsequent stages, the DEPARTMENT is not responsible for reimbursement of local funds expended on the PROJECT.

III. The GRANTEE shall Certify that they have read and understand T.O.P.P.S. document 6755-9 – Landscaping on the Right of Way and will comply in full with said provisions.

IV. The GRANTEE shall certify that the local government entity sponsor shall sign a Mowing and Maintenance Agreement to maintain the landscaped site for 50 years.

V. The GRANTEE shall submit a record of progress from start to completion, receipts showing how the PROJECT money was spent, and photos of the final implementation of the PROJECT to the Department's State Office of Maintenance along with a concise electronic presentation file for use at a Roadside Enhancement and Beautification Council meeting. The design activities shall be accomplished in accordance with the

applicable guidelines of the American Association of State Highway and Transportation Officials, hereinafter referred to as "AASHTO", and constructed in accordance with the DEPARTMENT's Standard Specifications Construction of Transportation Systems, Current Edition, PROJECT schedules; and applicable guidelines of the DEPARTMENT when portions of the project are on state routes.

VI. The PROJECT construction plans and right of way plans shall be prepared in English units.

VII. The GRANTEE shall follow the DEPARTMENT's procedures for identification of existing and proposed utility facilities on the PROJECT or parts of the PROJECT within the right of way of state routes. These procedures, in part, require all requests for existing, proposed, or relocated facilities to flow through the DEPARTMENT's District Access Management Supervisor and the District Utilities Engineer.

VIII. The GRANTEE will be responsible for performing the construction supervision and documentation for the project. At the discretion of the Department, additional erosion control measures will be performed on the project when deemed necessary by the Area Engineer.

IX. The GRANTEE shall be solely responsible for advertising and awarding the construction contract for the PROJECT.

X. The GRANTEE shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by or on behalf of the GRANTEE pursuant to this AGREEMENT. The GRANTEE shall correct or revise, or cause to be corrected or revised, any errors or deficiencies in the designs, drawings, specifications, and other services furnished for this PROJECT. The GRANTEE shall also be responsible for any claim, damage, loss or expense that is attributable to negligent acts, errors, or omissions related to the designs, drawings, specifications, and other services furnished by or on behalf of the GRANTEE pursuant to this AGREEMENT.

XI. Both the GRANTEE and the DEPARTMENT hereby acknowledge that time is of the essence. The GRANTEE shall have thirty (30) months from the Date the Memorandum of Agreement is signed after the Encroachment Permit is approved to expend the awarded funds. The Department reserves the right to reduce the Award Amount if the cost for the project is lower than the estimated construction cost or the scope of the project is reduced.

XIV. This AGREEMENT is made and entered into in the State of Georgia, and shall be governed and construed under the laws of the State of Georgia. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the DEPARTMENT and the GRANTEE have caused these presents to be executed under seal by their duly authorized representatives. The parties hereto have executed this Memorandum of Understanding, this _____ day of _____, 20 _____

DEPARTMENT OF TRANSPORTATION

Sam Smith
Commissioner

ATTEST:

Treasurer

W. H. P.
Grantee

MacBrunner
Witness

Date





Engineering Services Committee Meeting
2/27/2012 1:00 PM
ICOM3 Software Purchase

Department:	Utilities
Caption:	Approve purchase of the ICOM3 support software for the SOLO Robotic camera totaling \$59,250.
Background:	Recently the city of Augusta entered a consent agreement with the Georgia Environmental Division (EPD). In that agreement the city agreed to systematically evaluate its entire collection system over a period of five years. In May the Augusta Utilities Department (AUD) evaluated a robotic camera to video approximately 6,000 feet of the city's sewer lines, and Commission approval was obtained in July 2011 to purchase four SOLO cameras. The purpose of this request is to gain approval for the purchase of software that will aid AUD staff to efficiently gather and process the information that the camera collects. This software will enable the staff to quantify, locate, and prioritize deficient areas within the collection system in a quick and efficient manner so that resources can be directed toward areas that will have the greatest impact toward reducing SSO events; which is a primary objective in the existing consent order.
Analysis:	RedZone robotics has submitted a proposal to AUD that includes an initial cost of \$59,250, and subsequent renewable costs of \$37,800 per year.
Financial Impact:	Initial cost of \$59,250 with a renewable annual cost of \$37,800.
Alternatives:	None Recommended.
Recommendation:	It is recommended to Approve Purchase of the ICOM3 support software for the SOLO Robotic camera totaling \$59,250.
Funds are Available in the Following Accounts:	Funds are available in the operating fund 506043410-5424510.

REVIEWED AND APPROVED BY:

Finance.

Procurement.

Law.

Administrator.

Clerk of Commission



Sole Source Justification (Reference Article 6, Procurement Source Selection Methods and Contract Awards, § 1-10-49. SOLE SOURCE PROCUREMENT)

Vendor: Red Zone RoboticsCommodity: ICOM3 SoftwareEstimated annual expenditure for the above commodity or service: \$ 59,250

Initial all entries below that apply to the proposed purchase. Attach a memorandum containing complete justification and support documentation as directed in initialed entry. (More than one entry will apply to most sole source products/services requested).

1. SOLE SOURCE REQUEST IS FOR THE ORIGINAL MANUFACTURER OR PROVIDER, THERE ARE NO REGIONAL DISTRIBUTORS. (Attach the manufacturer's written certification that no regional distributors exist. Item no. 4 also must be completed.)
2. SOLE SOURCE REQUEST IS FOR ONLY THE AUGUSTA GEORGIA AREA DISTRIBUTOR OF THE ORIGINAL MANUFACTURER OR PROVIDER. (Attach the manufacturer's — not the distributor's — written certification that identifies all regional distributors. Item no. 4 also must be completed.)
3. THE PARTS/EQUIPMENT ARE NOT INTERCHANGEABLE WITH SIMILAR PARTS OF ANOTHER MANUFACTURER. (Explain in separate memorandum.)
- ✓ 4. THIS IS THE ONLY KNOWN ITEM OR SERVICE THAT WILL MEET THE SPECIALIZED NEEDS OF THIS DEPARTMENT OR PERFORM THE INTENDED FUNCTION. (Attach memorandum with details of specialized function or application.)
5. THE PARTS/EQUIPMENT ARE REQUIRED FROM THIS SOURCE TO PERMIT STANDARDIZATION. (Attach memorandum describing basis for standardization request.)
6. NONE OF THE ABOVE APPLY. A DETAILED EXPLANATION AND JUSTIFICATION FOR THIS SOLE SOURCE REQUEST IS CONTAINED IN ATTACHED MEMORANDUM.



The undersigned requests that competitive procurement be waived and that the vendor identified as the supplier of the service or material described in this sole source justification be authorized as a sole source for the service or material.

Name: Russell Thies

Department: Utilities

Date: 2/3/12

Department Head Signature: Tam D. WilliamsDate: 2/3/12Approval Authority: GASDate: 2/10/12

COMMENTS:

Approved: Frederick L. Russell

Frederick L. Russell, Administrator

Date: 02/10/12

Item # 4

**UTILITIES DEPARTMENT**

Tom Wiedmeier, PE
Director

Russell Thies
Assistant Director

Memorandum

To: Sole Source Reviewer
From: Russell Thies, Assistant Director
Date: February 2, 2012
Subject: ICOM3 Software Sole Source Justification

To whom it may concern,

The ICOM3 software, by RedZone Robotics, is the only software available that will extract all of the information that can be obtained by the RedZone Robotics SOLO camera, and place that information in a usable database and GIS format for AUD.

AUD received Commission approval last year to purchase four SOLO cameras, and the cameras have become the backbone of the AUD proactive pipe evaluation program.

Please feel free to contact me, regarding any additional information you may need or questions that you may have, at (706) 312-4139.

Appvd:
Tom D. Wiedmeier

Construction and Maintenance Division
360 Bay Street, Suite 180 - Augusta, GA 30901
(706) 312-4132 - Fax (706) 312-4133
WWW.AUGUSTAGA.GOV

Item # 4



November 28, 2011

Russell Thies
Augusta Utilities Department
360 Bay Street, Suite 180
Augusta, GA 30901

Dear Mr. Thies,

RedZone Robotics ("RedZone") is the sole manufacturer of the SOLO autonomous robots as well as the ICOM3 Asset Management Software. The ICOM3 Asset Management software platform can import any third party CCTV inspections meeting the latest NASSCO PACP standards. However, the agnostic PTZ (pan, tilt, and zoom) features of the SOLO robots can only be viewed on the ICOM3 Asset Management platform. A traditional CCTV video from the SOLO robots can be exported (without the PTZ feature) to other NASSCO PACP platforms.

In addition, the ICOM3 Asset Management platform is the only platform fully compliant with the large pipe (> 36") Responder MSI data as well as the recently added *CleanFlow* product line where the end user can monitor CCTV, sonar, H2S, 3D laser, and temperature.

RedZone does not engage, retain, or use distributors locally or nationally. All purchases shall be forwarded to the corporate office at the address below;

RedZone Robotics, Inc.
41 93rd Street, Suite 250
Pittsburgh, PA 15201

Sincerely,

A handwritten signature in black ink, appearing to read "Glen A. Hill".

Glen A. Hill, PE
Southeast Regional Business Development Manager
RedZone Robotics

PURCHASING DEPARTMENT

REQUISITION

DEPARTMENT NAME UtilitiesREQUISITION No 64799DEPARTMENT NUMBER 506043410-5223110REQUISITION DATE 2-10-12Tom D. Widman

PURCHASE ORDER NUMBER _____

DEPARTMENT HEAD

PURCHASE ORDER DATE _____

AUA

ITEM NO	DESCRIPTION	VENDOR PHONE NUMBER QUOTED BY	NAME OF BIDDER		NAME OF BIDDER		NAME OF BIDDER	
			UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	Lump Sum Cost for							
2	ICOM3 Software							
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
TOTAL			\$ 59,250.00		\$			\$
SHIPPING CHARGES								
DELIVERY TIME FROM RECEIPT OF PURCHASE ORDER								

Item #4

Wait for Commission Approval

AUGUSTA UTILITIES DEPARTMENT
IN-HOUSE REQUISITION

REQUISITION # _____

DATE: 2/3/12

DIVISION: _____

FUND # 50604 3410 - 5223110

ROUTINE

EMERGENCY

SOLE SOURCE

PREFER ITEM

VENDOR:
ADDRESS:
PHONE NO.:

AUA

QUOTED BY:

RED ZONE ROBOTICS
41 93rd St., Suite 250
Pittsburgh, PA 15201

Blair Hill

ITEM NO	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	Lump sum cost for ICOM 3 software	1	59,250					
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
TOTAL								
SHIPPING CHARGES								
GRAND TOTAL								
			59,250	\$		\$		\$

JUSTIFICATION FOR: EMERGENCY / SOLE SOURCE PREFER ITEM: _____

REQUESTED BY: Andy Crabtree

APPROVED BY: [Signature]



**Engineering Services Committee Meeting
2/27/2012 1:00 PM**

Request by City of Hephizbah for Augusta, Georgia to rescind resolution to provide water and sewer services to Redfield Property Development

Department: Law Department

Caption: Request by City of Hephizbah for Augusta, Georgia to rescind resolution to provide water and sewer services to Redfield Property Development (Rhodes' Estate).

Background: On December 5, 2005, notice of Augusta's proposed intent to extend water and sewer into Hephzibah was sent to City of Hephzibah and same was ratified by the Augusta, Georgia Commission on May 16, 2006. The Augusta Utilities Department has not extended any water and sewer services to the City of Hephzibah at this time. On February 6, 2012, the City of Hephzibah approved a resolution requesting that Augusta, Georgia rescind its resolution extending water and sewer services into the city limits of Hephzibah for the Redfield Properties by Land Sales Inc.

Analysis: The City of Hephzibah and Redfield Properties by Land Sales Inc. are involved in litigation with respect to this development.

Financial Impact: Potential loss of future revenue from providing water and sewer services.

Alternatives: Approve or Deny Hephzibah's request.

Recommendation: N/A

Funds are Available in the Following Accounts: N/A

REVIEWED AND APPROVED BY:

RESOLUTION

A RESOLUTION OF THE CITY COMMISSION OF HEPHZIBAH, GEORGIA APPROVING AND REQUESTING THE CITY OF AUGUSTA TO RESCIND A RESOLUTION EXTENDING WATER AND SEWER INTO THE CITY LIMITS OF HEPHZIBAH FOR THE REDFIELD PROPERTIES UNDER THE INTERGOVERNMENTAL AGREEMENT BETWEEN AUGUSTA, GEORGIA A/K/A AUGUSTA-RICHMOND COUNTY, GEORGIA AND THE MUNICIPALITIES OF BLYTHE AND HEPHZIBAH CONCERNING A COUNTY ONE PERCENT SPECIAL PURPOSE LOCAL OPTION SALES AND USE TAX ENACTED PURSUANT TO O.C.G.A. § 48-8-110 ET SEQ.; REPEALING PRIOR RESOLUTIONS IN CONFLICT; AND FOR OTHER PURPOSES.

WHEREAS the City of Augusta has passed a resolution authorizing the extension of water and sewer service into the City of Hephzibah over the objections of the City of Hephzibah for the Redfield Properties by Land Sales Inc. and,

WHEREAS, The city of Augusta has not acted substantially to implement its prior resolution and the City of Hephzibah remains opposed to the extension of water service into the City of Hephzibah for the Redfield Property by Land Sales Inc and its assigns. The City of Hephzibah requests the City of Augusta to rescind its prior resolution above referenced and strike any portion authorizing the extension of water service into the city of Hephzibah for the Redfield Properties by Land Sales Inc. or it assigns.

NOW, THEREFORE, BE IT RESOLVED by the City Commission of Hephzibah, Georgia as follows:

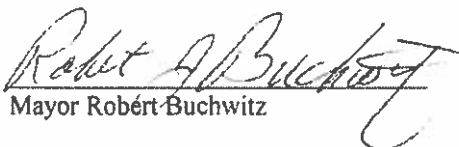
SECTION 1. The City of Hephzibah resolves that the City of Augusta rescind its prior resolution and strike any portion authorizing the extension of water service into the City of Hephzibah.

SECTION 2. All resolutions, or parts of resolutions, in conflict herewith are repealed. This the

6th day of February, 2012

CITY OF HEPHZIBAH, GEORGIA

By:


Mayor Robert Buchwitz



**Engineering Services Committee Meeting
2/27/2012 1:00 PM
USGS Agreement for Groundwater Monitoring**

Department: Utilities

Caption: Authorize the execution of an agreement with the U. S. Department of the Interior U. S. Geological Survey (USGS) for the operation, modeling and analyzing of monitoring wells to investigate water levels and water quality for Augusta's groundwater production facilities.

Background: Monitoring groundwater levels and quality is important for protection and effective management of our water resources. The Augusta water supply at our three groundwater production facilities draws water from the Dublin-Midville aquifer system. The continuation of the monitoring program that is being proposed will provide valuable information to protect this important water source for Augusta. The attached proposed agreement for January 2012 through December 2012 sets the cost at \$84,712.

Analysis: The proposed program is to continue monitoring the current groundwater levels, flow directions and water quality in the Dublin-Midville aquifer system up-gradient of our three established well fields. The data gathered from the monitoring process will provide information to support water management and water quality protection for our production facilities. This program also includes a groundwater modeling component. This program is an important part of our efforts to insure the future availability of groundwater as a valuable component of our water production capabilities. As such, we believe that the continuation of our ongoing partnership with the USGS into the foreseeable future is highly desirable. Since this needs to be an ongoing commitment we believe that this agreement should be approved and authorized for annual renewal for an additional three years unless the cost increases above \$100,000 in any year.

Financial Impact: \$84,712 is within the budgeted amount included in our approved 2012 budget for this expense.

Alternatives: No feasible alternatives.

Cover Memo

Item # 6

Recommendation:

We recommend the Commission authorize the execution of the proposed agreement with the USGS for the year 2012 in the amount of \$84,712. We further recommend authorization to renew this agreement annually for an additional three years as long as the annual cost does not exceed \$100,000.

**Funds are Available
in the Following
Accounts:**

506043530/5213119

REVIEWED AND APPROVED BY:

Finance.

Procurement.

Law.

Administrator.

Clerk of Commission

Form 9-1366
(Oct. 2005)

**U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement**

Customer #: 6000001138
Agreement #: 12ESGAMF0000050
Project #: GC12MF00AB02400
TIN #: 582204274
Fixed Cost Agreement ☒ Yes ☐ No

Page 1 of 2

**FOR
USGS Georgia Water Science Center**

THIS AGREEMENT is entered into as of the 1st day of January, 2012, by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the AUGUSTA UTILITIES DEPARTMENT, CITY OF AUGUSTA, GEORGIA, party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation "Ground-Water Monitoring Program for the Augusta-Richmond county area, Georgia," herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of \$0.

(a) \$79,486 by the party of the first part during the period
January 1, 2012 to December 31, 2012

(b) \$84,712 by the party of the second part during the period
January 1, 2012 to December 31, 2012

(c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.

(d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.
7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

Item # 6

Form 9-1366
continued

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement

Customer #: 6000001138
Agreement #: 12ESGAMF0000050
Project #: GC12MF00AB02400
TIN #: 582204274

8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered **QUARTERLY**. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey
United States
Department of the Interior

AUGUSTA UTILITIES DEPARTMENT

USGS Point of Contact

Name: John S. Clarke
Address: 3039 Amwiler Road
Suite 130
Atlanta, Georgia 30360
Telephone: 770-903-9170
Email:

Customer Point of Contact

Name: Mr. Tom Wiedmeier, P.E.
Address: 360 Bay Street
Suite 180
Augusta, Georgia 30901
Telephone:
Email:

Signatures

By Edward H. Martin Date 11-18-11
Name: Edward H. Martin
Title: Director

Signatures

By _____ Date _____
Name:
Title:

By _____ Date _____
Name:
Title:

By _____ Date _____
Name:
Title:

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By _____ Date _____
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Form 9-1366
(Oct. 2005)

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U.S. Geological Survey
United States
Department of the Interior

AUGUSTA UTILITIES DEPARTMENT

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Signatures

By Edward H. Martin Date 11-18-11
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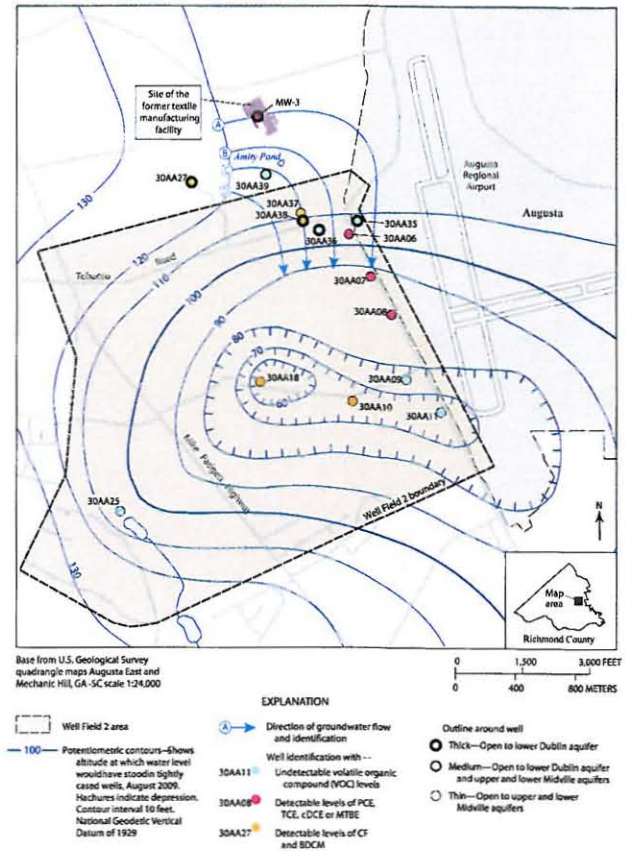
Project Proposal: Ground-Water Monitoring Program for the Augusta-Richmond County Area January - December 2012

*U.S. Geological Survey in Cooperation with Augusta Utilities Department
November 2011*

During FY-2012, the cooperative water program for the Augusta Utilities Department will continue to monitor, report, and investigate hydrologic and water-quality conditions in the area. In addition to routine monitoring activities, groundwater modeling and particle tracking capabilities will be developed to evaluate the source of TCE contamination upgradient of Well Field 2 and to evaluate pumpage effects near Well Fields 1 and 3. Specific activities include:

- Monitoring:
 - Continue investigating TCE contamination in the vicinity of Well Field 2. Water samples will be collected and analyzed for volatile organic compounds including TCE and its daughter products, and trace metals.
 - Continue water-level monitoring program including real-time sites at Tobacco Road (2 wells) and Pine Hill (1 well), and Well Field 1 (1 well).
 - Collect synoptic water-level measurements to produce a new potentiometric map to show ground-water flow directions and gradients.
- Reporting
 - Continue maintenance of project databases and website
- Ground-water modeling:
 - Continue refinement and calibration of digital groundwater-flow model
 - Use particle tracking to simulate potential flowpaths and particle transport times originating from possible recharge areas under various pumping and hydrologic conditions.

Deliverables: Data will be incorporated into the USGS National Water Information (NWIS) system and made available on a user-friendly project web site. Periodic briefings will be provided as requested



Map showing groundwater levels and flow directions near Well Field 2, September 2009.

Budget: The proposed budget covers the 12-month period, January 2012 through December 2013.

	Previous agreement	New agreement
USGS	\$84,712	\$79,486
Augusta Utilities	\$84,712	\$84,712
Total	\$169,424	\$164,198

Note: The reduction in USGS funding reflects changes in how headquarters assesses overhead expenses. Although dollars are less, there will be no change in the level of services offered by USGS.