Engineering Services Committee Meeting

Commission Chamber- 8/29/2011- 12:55 PM

ENGINEERING SERVICES

1. Approve Change Order #1 to Khafra Engineering Consultants, Inc. in the amount of $227,558 for additional water/sewer systems upgrades to Fort Gordon Recreation Area at Thurmond Lake. ☐ Attachments

2. Approve Change Order #2 to Blair Construction, Inc. in the amount of $396,641 for additional water/sewer systems upgrades to Butler Creek Interceptor Upgrade East – Phase II. ☐ Attachments

3. Approve Purchase of Itron 100W Radio Read Transmitters and Electronic Hand-Held Meter Reading Devices by Utilities. ☐ Attachments

4. Consider a request from the Dr. Martin L. King, Jr. Memorial Committee CSRA that the bridge between Fifth and Seventh Streets be named the Edward McIntyre Memorial Bridge. ☐ Attachments

5. Approve change order to Johnson, Laschober & Associates, and P.C. (JLA) design contract in the amount of $ 92,500.00 for additional engineering services for Fort Gordon Gate #4 Water Main connection to tanks. ☐ Attachments

6. Authorize execution of Change Order # 1 in the amount not to exceed $7,208,935.00 to Tetra Tech Inc. for installation of a raw water irrigation system at Ft. Gordon through the Ft. Gordon CM@Risk - Phase II contract, and the Design-Build services at Chafee Ave. Lift Station and Ground Water Plant #1. ☐ Attachments

7. Authorize execution of Change Order # 3 in an amount of $93,775.00 to ZEL Engineering for additional Engineering Services on the MSA-001 Wastewater Connection at Ft. Gordon. ☐ Attachments

8. Presentation by Ms. Georgia Johnson regarding garbage services. ☐ Attachments

9. Motion to approve a cost share agreement between Walker Hills, LLC and the Augusta Utilities Department (AUD) for McCoys Creek Subdivision. ☐ Attachments

10. Approve the purchase a replacement gearbox for the #4 raw water turbine and pump at the Goodrich Street Raw Water Pumping Station. ☐ Attachments

11. Approve purchase of 4 SOLO Robotic cameras from RedZone Robotics, Inc. in the amount of $152,000. ☐ Attachments

12. A request from the Administrator for a report on the status of all SPLOST I through VI projects. (Requested by Commissioner Lockett) ☐ Attachments

13. Receive status report from Heery International regarding Capital Projects. (Requested by Commissioner Avin Mason) ☐ Attachments

14. Consider a request from The First Tee of Augusta regarding an adjustment of their monthly water rate. (Requested by the Utilities Department) ☐ Attachments

Engineering Services Committee Meeting
8/29/2011 12:55 PM

Approve Change Order #1 to design contract with Khafra Engineering Consultants for Water Main Replacements for Fort Gordon Recreation Area at Thurmond Lake

Department:	Augusta Utilities Department
Caption:	Approve Change Order #1 to Khafra Engineering Consultants, Inc. in the amount of $227,558 for additional water/sewer systems upgrades to Fort Gordon Recreation Area at Thurmond Lake.
Background:	The Privatization of Utilities contract between Fort Gordon and Augusta Richmond County was awarded September 2007. The requirements of the contract include executing capital upgrades and replacement and renewal projects for the water and wastewater systems throughout the installations of Fort Gordon. The main objective of this design modification is to replace the lift-station based sanitary sewer system with an 8-inch gravity sewer system that will serve the Fort Gordon Recreation Area at Thurmond Lake in Columbia County, GA. The project will consist of approximately 15,000 linear feet of 8" PVC sewer main throughout the recreational area with service connections. Minor water service improvements are also included.
Analysis:	Augusta Utilities Department evaluated Khafra Engineering Consultants, Inc. proposal for engineering services to upgrade the sewer system in the next phase of the renewal and replacement program for the Fort Gordon Recreation Area at Thurmond Lake. The proposal was considered fair and reasonable to accomplish the project.
Financial Impact:	The amount submitted for the design of this project was $227,558. These funds are available from the following account: 507043410/5212115 88880070/5212115
Alternatives:	1. Reject the award of the engineering contract, which would delay the design the upgrade of the sewer system in the next phase of Fort Gordon Recreation Area at Thurmond Lake.
Recommendation:	To award a contract modification for the water/sewer upgrades to

	Fort Gordon Recreation Area at Thurmond Lake to Khafra Engineering Consultants, Inc. for $227,558
Funds are Available in the Following Accounts:	FUNDS ARE AVAILABLE IN THE FOLLOWING ACCOUNTS: $227,558 from account 507043410/5212115 88880070/5212115

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

KHAFRA
ENGINEERING CONSULTANTS, INC.

July 7, 2011

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

Attention: Mr. Stanley Aye,
Program Project Engineer

Subject: Sanitary Sewer Replacements for Fort Gordon Recreation Area at Thurmond Lake
Scope of Work and Engineering Cost Proposals

Dear Mr. Aye,

Enclosed herewith please find the Scope of Work and Engineering Cost Proposals for the subject project.

Included in the scope of work, at your request, is a geotechnical survey of the project site to include soil borings. Also included in the scope of work is the design of replacement pump stations as necessary.

The total cost for our services during the design phase is $157,000. Additionally, services during bid phase and services during construction are to be provided by KHAFRA on a time and materials basis, not to exceed the amounts in the attached proposal, $22,396 and $48,162 respectively. A detailed breakdown is included in the attached Scope of Services and Engineering Cost Proposals.

Thanks for letting us serve you. KHAFRA is looking forward to a long and mutually rewarding relationship with Augusta Utilities Department.

Very truly yours,
KHAFRA Engineering Consultants, Inc.

Merideth Pool
Merideth Pool
Project Manager

Item # 1

GRAVITY SEWER SYSTEM UPGRADES FOR FORT GORDON RECREATION AREA AT LAKE THURMOND

SCOPE OF SERVICES & ENGINEERING COST PROPOSALS

I. GENERAL

The objective of this capital project is to replace the lift-station based sanitary sewer system with an 8-inch gravity sewer system that will service to the Fort Gordon Recreation Area at Thurmond Lake in Columbia County, GA.

A conceptual schematic of the proposed system is attached herewith. KHAFRA will provide Engineering services for the Design, Bid and Construction phases of this project. The detailed scope of each of these phases is described as follows.

II. SERVICES DURING DESIGN PHASE

A. Project Description

1. Pike Avenue
    a. From the intersection with Deer Drive to the intersection of Bluegill Road and Bass Drive, design approximately 5,500 LF of 8-inch gravity main complete with service connections to the existing facilities on Pike Avenue.
2. Deer Drive Cabins
    a. From Deer Drive at the cabins to the package plant, provide design of approximately 3,300 LF of 8-inch gravity sewer complete with connection to the cabins.
3. Trout Drive Campground
    a. From the bath house on Trout Road to the package plant, provide design of approximately 2,000 LF of 8-inch gravity sewer complete with service connection to the existing bath house.
4. Pike Avenue Cabins
    a. From the cabin complex on Pike Avenue to the package plant, provide design of approximately 1,500 LF of 8-inch gravity main complete with service connections to the existing cabins.
5. Branch Line along Bluegill Road
    a. From the intersection of Pike Avenue and Bluegill Road, design approximately 1,000 LF of 8-inch gravity main complete with service connections to the Convention Center and RV park.
6. Branch Line along Bass Drive
    a. From the intersection of Bluegill Road and Bass Drive, design approximately 1,000 LF of 8-inch gravity main complete with service connections to the existing six-plexes and beach house.
7. Pike Avenue Campgrounds
    a. From the intersection of Pike Avenue and Bass Drive, at Campground #3, to the bath house at Campground #4, provide design of approximately 1,500 LF of 8-inch gravity sewer complete with service connection to the existing bath house.
8. Geotechnical Information
    a. Provide core samples along the proposed route including rock information.
9. Pump Station Design
    a. Provide pump station design for the replacement of any of the five existing pump stations that cannot be replaced with gravity sewer design.

B. Deliverables

1. 100% Ready-for-Bid package which includes:
    a. Plan drawings showing proposed alignments of the replacement sewer mains complete with all required fittings and connections to existing and new service lines.
    b. Profile drawings showing of the sewer mains and any water or stormwater crossings.
    c. Specifications edited from the Master Specifications furnished by AUD.
    d. All additional specifications required but not covered in the *AUD Master Specifications*.
    e. *Standard Details required but not covered* by the *AUD Master Standard Details.*
    f. Erosion and Sedimentation Control Plans, Notes, Details and BMP Certifications. It is anticipated that monitoring of the receiving water will not be required.
    g. Number of sets and format of the bid package will be as determined by AUD.
2. Opinions of construction costs at the 30%, 60% and 100% design levels.
3. Intermediate submittals at the 30%, 60% and 95% design completion levels for AUD's review. Format and number of review sets will be as determined by AUD..

C. Additional Services During Design

1. Land Disturbance Permit (LDP)
    a. KHAFRA will coordinate with Columbia County Engineering Services and the Fort Gordon Base Civil Engineer regarding requirements of Land Disturbance permitting.
    b. KHAFRA will prepare documentation package in support of application for securing of the LDP.
    c. KHAFRA will secure LDP from County Engineering Services or Base Civil Engineer on behalf of AUD.
2. Prepare review packages for Base Civil Engineer or Columbia County Agencies having jurisdiction over erosion, sediment and pollution control, fire protection, etc. as necessary.

D. Design Schedule

The proposed Project Schedule through the Design Phase will be as per the attached chart.

III. SERVICES DURING BID PHASE

KHAFRA will perform the following tasks during the bidding phase of this project:

1. Coordinate with Augusta-Richmond County Procurement Department
2. Attend and provide assistance to AUD in conducting the Pre-Bid conference.
3. Address RFI's from potential bidders.
4. Assist AUD in issuance of addendums.
5. Attend Bid Opening meeting.
6. Prepare Bid Tabulations.
7. Evaluate Bids and prepare recommendations to AUD.
8. Prepare Conformed Plan and Specifications.

IV. SERVICES DURING CONSTRUCTION PHASE

A. Construction Period

1. Construction duration assumed to be 180 calendar days from the issuance of Notice-To-Proceed to the winning contractor.

B. Office Engineering

1. KHAFRA will perform the following tasks during the construction phase of this project:
2. Attend and provide assistance to AUD in conducting the Pre-construction conference.
3. Review contractor's submittals.
4. Address RFI's from contractor.
5. Assist AUD in issuance of change orders if necessary.
6. Attend Project progress meetings on a monthly basis.
7. Perform site visits and prepare reports to AUD on a weekly basis.
8. Assist AUD in final inspect ion at substantial completion.
9. Assist AUD in preparing final punch list.
10. Prepare as-built documents based on information provided by the contractor's field records.

V. ENGINEERING COST PROPOSALS

A. Design Phase

The proposed Engineering cost for performing the above specified services during Design Phase is **$157,000.**
Itemized breakdown of the costs is detailed on Pages 1 & 2 of the attached Engineering Cost Proposal.

B. Bid Phase

The proposed Engineering cost for performing the above specified services during Bid Phase is **$22,396**.
Itemized breakdown of the costs is detailed on Page 3 of the attached Engineering Cost Proposal.

C. Construction Phase

The proposed Engineering cost for performing the above specified services during Construction Phase is **$48,162**.
Itemized breakdown of the costs is detailed on Page 4 of the attached Engineering Cost Proposal.

08AUG01 - SANITARY SEWER REPLACEMENTS FOR FORT GORDON RECREATION AREA AT THURMOND LAKE

ENGINEERING COST PROPOSAL

SERVICES DURING DESIGN PHASE

TASK NO.	WORK ELEMENTS	PROJ. MGMT.	CIVIL		ADMIN.	SURVEY	TOTAL
		P.M.	P.E.	J.E	CLERICAL	Crew	
PROJECT DEFINITION (30% DESIGN) PHASE							
SDD1	Initial Scoping Meeting	2	2				4
SDD2	Initial Site Visit		3				3
SDD3	Follow-up Site Visits		8	4			12
SDD4	Solicit Quotes from Potential Topo & Boundary Surveyors		4				4
SDD5	Solicit Quotes from Potential Geotech Surveyors		4				4
SDD6	Collect & Review Existing Information		8				8
SDD7	Prepare Project Scope and Fee Proposal	8					8
SDD8	Follow-up Meeting w/ AUD to Finalize Scope & Fee		2				2
SDD9	Prepare Topo & Boundary Surveying Scope & Contract		4				4
SDD10	Prepare Geotech Surveying Scope & Contract		4				4
SDD11	Interprete, Analyze and Incorporate Topo & Boundary Survey Data		8				8
SDD12	Interprete, Analyze and Incorporate Geotech Survey Data		8				8
SDD13	Lift Station Hudraulic Calculations (Assumed 5 Stations)		20				20
SDD14	Prepare preliminary Gravity Main alignment drawings		6	8			14
SDD15	Follow-up Meeting w/ AUD to Finalize Gravity Main Alignment		4				4
SDD16	Coordinate w/ Base Civil Engineer or Columbia County Engineering Services Re: LDP		4				4
SDD17	Coordinate w/ Base Civil Engineer Re: Pavement Replacement/Open Cut		4				4
SDD18	Review AUD furnished Standard Details to determine additional S.D. requirements		4	6			10
SDD19	Review AUD furnished Standard Specifications to determine additional Specification requirements		6				6
SDD20	Prepare 30% Design Review Package	16.0	101	125	15		257
SDD21	Prepare 30% Design Opinion of Construction Costs		8				8
SDD22	Perform Internal QA/QC		8				8
SDD23	Project Definition Phase (30%) Workshop w/ AUD	2	2				4
	Labor Hours Subtotal Project Definition (30% Design) Phase	**28**	**222**	**143**	**15**		**408**
DESIGN DEVELOPMENT (60%DESIGN) PHASE							
SDD24	Prepare 60% Design Review Package	16	101	125	15		257
SDD25	Prepare 60% Design Opinion of Construction Costs		8				8
SDD26	Perform Internal QA/QC		8				8
SDD27	Project Design Development Phase (60%) Workshop w/ AUD	2	2				4
	Labor Hours Subtotal Design Development (60% Design) Phase	**18**	**119**	**125**	**15**		**277**
FINAL CONSTRUCTION DOCUMENT (100% Design)PHASE							
SDD28	Prepare 95% Design Review Package	16	118	146	16		296
SDD29	Perform Internal QA/QC		16				16
SDD30	Project Final Design Phase Workshop w/ AUD	2	2				4
SDD31	Prepare LDP Application, NPDES Permitting & NOI Package (Include NPDES Storm Water Monitoring Station Location Map		32				32
SDD32	Prepare GA DOT Utility Facilities Encroachment Permit Application Package		0				0
SDD32	Prepare additional Review Packages for all Agencies having jurisdiction as necessary		12				12
SDD33	Prepare Quantities Take-off and Final Opinion of Construction Costs		12				12
SDD34	Prepare 100% Biddable Package		16	20	2		38
SDD35	Design Phase Close-out		8	8			16
	Labor Hours Subtotal Final Construction Document (100% Design) Phase	**18**	**216**	**174**	**18**		**426**

	P.M.	P.E.	J.E	CLERICAL	Crew	TOTAL
ENGINEERING LABOR HOURS SUBTOTAL	64	557	442	48		1111
HOURLY BILLING RATE	$ 216.00	$ 114.00	$ 99.00	$ 65.00		
ENGINEERING COST SUBTOTAL	$ 13,824	$ 63,498	$ 43,758	$ 3,120		$ 124,200
TOPO AND BOUNDARY SURVEY					$ 16,000	$ 16,000
GEOTECHNICAL SURVEY (Soil Borings requested by AUD for rock determination)		Item # 1			$ 10,000	$ 10,000
OTHER DIRECT COSTS						$ 6,800
DESIGN PHASE GRAND TOTAL						**$ 157,000**

08AUG01 - SANITARY SEWER REPLACEMENTS FOR FORT GORDON RECREATION AREA AT THURMOND LAKE
ENGINEERING COST PROPOSAL
DESIGN DOCUMENTS LEVEL OF EFFORTS (LOE)

DWG. NO.	DRAWING TITLE	PROJ. MGMT.	ENGINEERING		ADMIN.	TOTAL
		P.M.	P.E.	J.E.	CLERICAL	
	GENERAL					
G-1	Title Sheet/Vicinity Map/Index of Drawings	[redacted]	1	4		5
G-2	General Notes/Legends/Abbreviations	[redacted]	1	3		4
G-3	Construction Notes	[redacted]	2	3		5
	Specifications - Division 0	[redacted]	4			4
	Specifications - Division 1	[redacted]	4			4
		[redacted]				
	Labor Manhour Subtotal - General	[redacted]	**12**	**10**	**8**	**30**
	Labor Cost Subtotal - General	[redacted]	**$ 1,368**	**$ 990**	**$ 520**	**$ 2,878**
	CIVIL					
C-1	Project Overall Site Plan/Existing Conditions	[redacted]	2	6		8
C-2	Plan & Profile - Proposed 8-inch Gravity Main STA. 0+00 to STA. 13+00	[redacted]	12	20		32
C-3	Plan & Profile - Proposed 8-inch Gravity Main STA. 13+00 to STA. 26+00	[redacted]	12	20		32
C-4	Plan & Profile - Proposed 8-inch Gravity Main STA. 26+00 to STA. 39+00	[redacted]	12	20		32
C-5	Plan & Profile - Proposed 8-inch Gravity Main STA. 39+00 to STA. 52+00	[redacted]	12	20		32
C-6	Plan & Profile - Proposed 8-inch Gravity Main STA. 52+00 to STA. 65+00	[redacted]	12	20		32
C-7	Plan & Profile- Proposed 8-inch Gravity Main - Deer Drive	[redacted]	12	20		32
C-8	Plan & Profile- Proposed 8-inch Gravity Main - Deer Drive	[redacted]	12	20		32
C-9	Plan & Profile- Proposed 8-inch Gravity Main - Deer Drive	[redacted]	12	20		32
C-10	Plan & Profile - Proposed 8-inch Gravity Main - Bluegill Road/Army Road	[redacted]	12	20		32
C-11	Plan & Profile - Proposed 8-inch Gravity Main - Trout Road	[redacted]	12	20		32
C-12	Plan & Profile - Proposed 8-inch Gravity Main - Bass Drive	[redacted]	12	20		32
C-13	Erosion & Sedimentation Control Plan - C-2	[redacted]	2	6		8
C-14	Erosion & Sedimentation Control Plan - C-3	[redacted]	2	6		8
C-15	Erosion & Sedimentation Control Plan - C-4	[redacted]	2	6		8
C-16	Erosion & Sedimentation Control Plan - C-5	[redacted]	2	6		8
C-17	Erosion & Sedimentation Control Plan - C-6	[redacted]	2	6		8
C-18	Erosion & Sedimentation Control Plan - C-7	[redacted]	2	6		8
C-19	Erosion & Sedimentation Control Plan - C-8	[redacted]	2	6		8
C-20	Erosion & Sedimentation Control Plan - C-9	[redacted]	2	6		8
C-21	Erosion & Sedimentation Control Plan - C-10	[redacted]	2	6		8
C-22	Erosion & Sedimentation Control Plan - C-11	[redacted]	2	6		8
C-23	Erosion & Sedimentation Control Plan - C-12	[redacted]	2	6		8
C-24	Erosion Control Certification/Notes & Legends	[redacted]	2	6		8
C-25	Erosion Control Details	[redacted]	4	2		6
C-26	Erosion Control Details	[redacted]	4	2		6
C-27	Lift Station Site Plans (Assumed 5 Stations)	[redacted]	16	16		32
C-28	Lift Station Demolition Plans (Assumed 5 Stations)	[redacted]	12	24		36
C-29	Lift Station Mechanical Plans (Assumed 5 Stations)	[redacted]	40	40		80
C-30	Lift Stations Electrical Plans (Assumed 5 Stations)	[redacted]	16	16		32
C-31	Miscellaneous Details	[redacted]	4	2		6
C-32	Miscellaneous Details	[redacted]	4	2		6
		[redacted]				
As Required	Standard Details	[redacted]	2	4		6
As Required	Specifications - Division 2	[redacted]	16			16
	Specifications - Division 3	[redacted]	8			8
	Specifications - Division 5	[redacted]	8			8
	Specifications - Division 11	[redacted]	16			16
	Specifications - Division 15	[redacted]	8			8
	Specifications - Division 16	[redacted]	8			8
		[redacted]				
	Labor Manhour Subtotal	[redacted]	**324**	**406**	**40**	**770**
	Labor Cost Subtotal	[redacted]	**$ 36,936**	**$ 40,194**	**$ 2,600**	**$ 79,730**

DESIGN DOCUMENTS LOE LABOR HOURS SUBTOTAL	[redacted]	**336**	**416**	**48**	**800**
HOURLY BILLING RATE	[redacted]	$ 114.00	$ 99.00	$ 65.00	
DESIGN DOCUMENTS LOE COST SUBTOTAL (Incuded in the Design Phase Total)	[redacted]	**$ 38,304**	**$ 41,184**	**$ 3,120**	**$ 82,608**

Item # 1

08AUG01 - SANITARY SEWER REPLACEMENTS FOR FORT GORDON RECREATION AREA AT THURMOND LAKE
ENGINEERING COST PROPOSAL
SERVICES DURING BID PHASE

TASK NO.	WORK ELEMENTS	PROJ. MGMT.	CIVIL		ADMIN.	TOTAL
		P.M.	P.E.	J.E.	CLERICAL	
BID PHASE SERVICES						
SDB1	Coordinate w/ Augusta Richmond County Procurement Department		16			16
SDB2	Pre-Bid Conference	2	8			10
SDB3	Bid Phase RFIs		24	32		56
SDB4	Prepare Addendums	2	40			42
SDB5	Bid Opening Meeting	2	2			4
SDB6	Prepare Conformed Documents		8	24		32
SDB7	Prepare Bid Tabulations		8			8
SDB8	Evaluate Bids and Prepare Recommendations		8			8

ENGINEERING LABOR HOURS SUBTOTAL		6	114	56	24	200
HOURLY BILLING RATE		$ 216.00	$114.00	$99.00	$ 65.00	
ENGINEERING COST SUBTOTAL		$ 1,296	$12,996	$5,544	$ 1,560	$ 21,396
OTHER DIRECT COSTS						$ 1,000
BID PHASE GRAND TOTAL						**$ 22,396**

Item # 1

08AUG01 - SANITARY SEWER REPLACEMENTS FOR FORT GORDON RECREATION AREA AT THURMOND LAKE

ENGINEERING COST PROPOSAL

SERVICES DURING CONSTRUCTION

TASK NO.	WORK ELEMENTS	PROJECT MANAGEMENT	CIVIL		ADMIN.	TOTAL
		P.M.	P.E.	J.E.	CLERICAL	
	OFFICE ENGINEERING					
SDC1	Project Manager	8				8
SDC2	Attend Pre-Construction Meeting Coordinated & Conducted by AUD	2	6	2		10
SDC3	Review Contractor's Submittals		72			72
SDC4	Respond To RFI's		72			72
SDC5	Assist AUD in Preparation of Change Orders as Requested by AUD		12	24		36
SDC6	Attend 6 Monthly Construction Progress Meetings and Up To 4 Emergency Meetings as Requested by AUD		40			40
SDC7	Perform up to 10 Periodic Site Visits		40			40
SDC8	Prepare Site Visit Reports		24			24
SDC9	Prepare As-Built Drawings		8	24		32
SDC10	Project Closeout & Document Archive		8	8		16
OFFICE ENGINEERING LABOR HOURS SUBTOTAL		10	290	58	80	438
HOURLY BILLING RATE		$ 216.00	$ 114.00	$ 99.00	$ 65.00	
ENGINEERING COST SUBTOTAL		$ 2,160	$ 33,060	$ 5,742	$ 5,200	$ 46,162
OTHER DIRECT COSTS						$ 2,000
CONSTRUCTION PHASE GRAND TOTAL						**$ 48,162**

Item # 1

08AUG01 - WATERLINE REPLACEMENT FOR FORT GORDON RECREATION AREA AT THURMOND LAKE
ENGINEERING COST PROPOSAL
PROJECT SCHEDULE

	Working Days
Notice To Proceed	
Design Locate	14
Perform Site Survey	30
Perform Geotechnical Survey	30
Prepare and Submit Preliminary Sewer Main Alignment	8
Prepare Budget Level Opinion of Cost	2
AUD and Base Civil Engineer Review of Preliminary Sewer Main Alignment	7
Sewer Main Alignment Meeting w/ AUD & Base Civil Engineer	1
Prepare 30% Design Plans	20
Conduct 30% QA/QC	2
30% Submittal to AUD	
AUD review of 30% Design Submittal	7
Prepare 60% Design Plans, Specifications and Opinion of Costs	15
Conduct 60% QA/QC	2
60% Submittal to AUD	
AUD review of 60% Design Submittal	7
Prepare 95% Design Plans, Specifications and Opinion of Costs	22
Conduct 95% QA/QC	2
95% Submittal to AUD/Regulatory Agencies	
AUD/Regulatory Agencies review of 95% Design Submittal	28
Prepare 100% Ready for Bid Design Plans and Specifications	7
100% Ready for Bid Submittal to AUD	

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Approve Change Order #2 to contract with Blair Construction, Inc. for Butler Creek Interceptor Upgrade East – Phase II

Department:	Utilities
Caption:	Approve Change Order #2 to Blair Construction, Inc. in the amount of $396,641 for additional water/sewer systems upgrades to Butler Creek Interceptor Upgrade East – Phase II.
Background:	The requirements of the contract include upgrades and replacement of the existing Butler Creek Interceptor sanitary sewer main. Phase II of the Interceptor upgrade includes 14,085 linear feet of 42" diameter D.I.P., which then connects to the Phase I portion of the Interceptor Upgrade leading to the wastewater treatment plant. The main objective of this design modification is to provide sanitary sewer to a small pocket of businesses and residences along Dixon Airline Road and to complete the creek crossing of the new 24" water main along Mike Padgett Highway (Hwy 56). The project will consist of approximately 1,695 linear feet of 12" sanitary sewer main along Dixon Airline Road with service connections, and 820 linear feet of 24" ductile iron water transmission main crossing Butler Creek along the right-of-way of Mike Padgett Highway (Hwy 56).
Analysis:	Augusta Utilities Department evaluated Blair Construction, Inc.'s proposal for construction to upgrade the sanitary sewer system and water main for the Butler Creek Interceptor. The proposal was considered fair and reasonable to accomplish the project.
Financial Impact:	The amount submitted for the construction of this project was $396,641. These funds are available from the following account: 507043420/5425210 80360107/5425210
Alternatives:	1. Reject the award of the construction contract, which would leave the installed 24" water main along Mike Padgett Highway an incomplete loop, and the businesses and residences along Dixon Airline Road would continue to be without sanitary sewer.

Recommendation:	To award a contract modification for the water/sewer upgrades to Butler Creek Interceptor Upgrade East – Phase II to Blair Construction, Inc. for $396,641.
Funds are Available in the Following Accounts:	$396,641 from account 507043420/5425210 80360107/5425210

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

Proposal for: Dixon Airline Road Sanitary Sewer Extension

Item #	Description	Unit	Quantity	Unit Price	Bid Amount
1	Silt Fence, Type C	LF	1585	$4.31	$6,831.35
2	12" PVC Sanitary Sewer	LF	1565	$35.00	$54,775.00
3	Jack & Bore - Includes 16" Casing, 12" R.J. Ductile Iron Carrier Pipe, Spacers & End Seals	LF	130	$372.94	$48,482.20
4	Tie To Existing Manhole With Core	EA	1	$1,598.50	$1,598.50
5	Sanitary Sewer Manhole, Complete	EA	6	$2,249.63	$13,497.78
6	6" Sanitary Sewer Service	EA	7	$2,200.00	$15,400.00
7	Remove & Replace Gravel Driveway	LF	36	$16.04	$577.44
8	Remove & Replace Asphalt Driveway	SY	171	$30.00	$5,130.00
9	Remove & Replace 6" Concrete Driveway	SY	165	$40.00	$6,600.00
10	Grassing	AC	2	$1,500.00	$3,000.00
11	Lump Sum Construction	LS	1	$17,473.00	$17,473.00

TOTAL $173,365.27

Submitted By:

Blair Construction, Inc.
August 19, 2011

William R. Mutimer Jr.

William R. Mutimer Jr., Vice President

Proposal for: Hwy 56 24" Water Main - Project #10120-Phase 2

Item #	Description	Unit	Quantity	Unit Price	Bid Amount
	BUTLER CREEK SECTION				
W-3D	12" Diameter Ductile Iron Water Transmission Main Class 350, Restrained Joint Pipe	LF	60	$57.27	$3,436.20
W-31-A	24" Diameter Ductile Iron Water Transmission Main Class 300, Restrained Joint Pipe	LF	700	$167.75	$117,425.00
W-4B	Jack & Bore Crossing Of Butler Creek: 36" Diameter Steel Casing Pipe With 24" Diameter, Class 300, Restrained Joint Ductile Iron Carrier Pipe, End Seals, Stainless Steel Spacers. Owner Provided Material: 2-20 FT Long Sections Of 36" Dia Steel Casing Pipe; 3 Standard Lenght Sections Of Griffin Snap Lok 24" DIP (RJP) Pipe.	LF	60	$595.88	$35,752.80
W-6-A	Miscellaneous Pipe Fittings & Connections Including Mega-Lug Flanges	LBS	9000	$1.59	$14,310.00
W-8-A	Fire Hydrant At Sta 43+50, Installed Complete With Valve, Fittings (Tee), DIP Lead Pipe, Joint Restraint-Tie Rods, Blocking & ATV Device	EA	1	$4,329.75	$4,329.75
W9I	24" In-Line Butterfly Valve, Including Valve Box, Installed, Complete, Open Left. Owner Provided DeZurik Butterfly Valve; Contractor To Provide All Other Materials, Including Gaskets, Mega-Lug Flanges, Fasteners, Valve Box, etc.	EA	2	$1,085.02	$2,170.04
W-13A	12" x 12" (MJ) Tapping Sleeve & Valve, Open Left, Including Valve Box. Owner Provided Tapping Sleeve & Valve; Contractor To Provide All Other Materials Including Adaptor Gaskets (OD To Be Confirmed By Contractor), Mega-Lug Flange, Fasteners, Valve Box, etc	EA	1	$4,039.95	$4,039.95
W-17	Polyethylene Wrap Of Ductile Iron Water Main	LF	240	$7.41	$1,778.40
W-18D	Tie To Existing 24" DIP At Existing 24" MJ Plug Including Mega-Lug Flange	EA	2	$3,003.22	$6,006.44
	MISCELLANEOUS				
M-4	Clearing & Grubbing	AC	1	$5,520.00	$5,520.00
M-6	Rip-Rap (GA DOT Type 1) 18" Min Thickness, Stone Plain Rip-Rap. Rip-Rap Installed On Filter Fabric.	SY	150	$33.00	$4,950.00
	LUMP SUM				
LS-1	Lump Sum Construction	LS	1	$23,556.25	$23,556.25

TOTAL $223,274.83

Submitted By:

Blair Construction, Inc.
June 16, 2011

William R. Mutimer

William R. Mutimer Jr., Vice President

Item # 2

Augusta GEORGIA

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Approve Utilities Purchase of Radio Read Transmitters and Electronic Hand-Held Meter Reading Devices

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Department:

Caption: Approve Purchase of Itron 100W Radio Read Transmitters and Electronic Hand-Held Meter Reading Devices by Utilities.

Background: In 2003, AUD began a program of replacing or, where possible, converting meters to radio read. Since that time, approximately 20,000 of our 68,000 meters are radio read. At that time a decision was made to use Itron electronic read metering products, as they are the world's largest provider, we could be consistent throughout our system and all major meter manufacturers can be converted to Itron radio read, which allows us to change meter companies, but keep the same electronic reading equipment. The Electronic Radio Transmitters (ERT's) we are currently installing are the Itron 60W. In 2011, Itron created a new technology in electronic reading that adds a microchip to the electronic reading device that can be set to record and save up to 40 days of daily reading data. This information can then be downloaded and saved each time monthly readings are taken so that we will have retrievable data on meter usage for all meters using this technology for many months. These ERT's are the Itron 100w and are also 25 times more powerful than the 60W's. This data would be very helpful in investigating high consumption cases. In most problematic cases, high consumption happens during one month and by the time we find out there is a problem, the high consumption ends and our data logging equipment can only give us detailed usage during the month after the problem has occurred. With this new equipment we could provide much better customer service and more answers for difficult account problems. Itron is the only manufacturer that provides this technology and is compatible with all our other electronic equipment.

Analysis: AUD currently has two types of Itron handheld data recording devices, the G5R (17 units) and the FC 200 (16 units). The G5R is the oldest version and has not been manufactured for years. The FC 200 is also no longer being manufactured, and will no longer be serviced by Itron after 2012. Both of these units are being replaced by Itron with the FC 300, which is the only technology that is able to read the new 100W ERT. We have 33 employees who will need to eventually use this new equipment. However, Itron has a current promotion that allows us to get one free upgrade to our existing FC 200's for every 48 100W ERT's we buy. This will allow them to be used to read the new 100W ERT's. This means if we go forward with this purchase of 768 100W ERT's now, we will only need to buy 15 FC 300's, instead of 31 (we already have purchased 2 for testing purposes.) This will save AUD approximately $85,000 now and we will be able to use these converted FC 200's until they no longer work, which will be at least for another 1-1/2 years, most likely longer. These ERT's are the technology we want to use in the future, so we will need to purchase them anyway, therefore buying them now is the most cost-effective time to do it. Itron is the only vendor that makes a reading device (the FC 300) that can read these new Itron ERT's. Because we no longer want to continue to buy the old model of ERT's (60W) and the 100W ERT's were not in the last bid because they weren't available then, we also request that part of this agenda be approval of adding these units to our existing bid with Badger Meter, an authorized business alliance partner with Itron, at the lowest quoted price (see three attached quotes) for this and all purchases of these items through the end of the current bid period. Badger meters are a majority of the meters AUD currently has in its system and buying from them would create a consistent approach to our metering plan. Another good business reason for purchasing these units through Badger Meter is the existing excellent service record we have had dealing with them in the past, and the fact that they would pre-program all the ERT's to our specifications at their factory which is not a service offered by Itron or the other bidders, which saves AUD time and money.

Financial Impact: Total cost of the ERT's is $70,080.00 and funds are available in 506-04-3210-5315111 and the cost of the FC 300's is $79,950.60 and funds are available in 506-04-3210-5424510.

Alternatives: None.

Recommendation: Approve Purchase of Itron 100W Radio Read Transmitters and Electronic Hand-Held Meter Reading Devices by Utilities.

Funds are Available in the Following Accounts: 506-04-3210-5315111 506-04-3210-5424510

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

Cover Memo

Item # 3

AUGUSTA UTILITIES DEPARTMENT
IN-HOUSE REQUISITION

REQUISITION # ____

DATE: ____

DIVISION: ____ ROUTINE ____ EMERGENCY ____ SOLE SOURCE ____ PREFER ITEM ____

FUND # 506000000-113421l

VENDOR:	Badger Meter		
ADDRESS:			
PHONE NO.:			
QUOTED BY:			

ITEM NO	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	Itron Pit ERT Model# 100WP	768	91.25	70,080.00				
2	with RTR, factory programmed							
3	with an Itron In-line connector							
4								
5	This purchase will include the							
6	upgrade to our existing							
7	Handheld readers, model# FC200							
8								
9								
10								
11								
12								
13								
14								
15								
16								
TOTAL								
SHIPPING CHARGES								
GRAND TOTAL				$		$		$

JUSTIFICATION FOR: EMERGENCY / SOLE SOURCE / PREFER ITEM: ____

REQUESTED BY: ____ APPROVED BY: ____

Item # 3

Quotation #36312

BadgerMeter, Inc.
4545 W. Brown Deer Road, Milwaukee, WI 53223
P.O. Box 245036, Milwaukee, WI 53224-9536
Phone: 800-616-3837
Fax: 888-371-5982

DATE: 2/15/2011

TO: STEVE LITTLE/ELLIE HAZEL
AUGUSTA-RICHMOND COUNTY*
CITY-COUNTY MUNICIPAL BLDG 11
530 GREENE ST
AUGUSTA GA 30911-3999

Phone: +1 (706) 821-1851
Email: slittle@augustaga.gov
ehazel@augustaga.gov

SUBJECT: Itron 100W Quotation

EFFECTIVE: 2/15/2011 - 8/14/2011

Territory: Jones, R. Scott

Customer Number 101550

Quantity	Description	Unit Price in US Dollars	Total Price in US Dollars
768	Itron, Pit ERT *100WP with RTR, factory programmed with an Itron In-line Connector*	91.25	

Notes/Options: *This provided quote for 100WP ERTs is in regard to the hand held upgrade program provided by Itron.*

At this time, the 100W is currently going through Badger Meter, Inc. internal connectivity testing. After testing is complete and engineering finishes the structuring of the product, Badger Meter will be ready to release the product for sale and ship.

Shipping Terms:
Prepay/No Charge For Orders > $12,500

768 @ 91.25
$ 70,080.00

Shipping: FOB Factory

BY R. S

TITLE: Account

Payment: Net 30

Delivery: Provided After Receipt of Order

All quotations are made subject to the conditions printed on the reverse side hereof. Prices are firm for acceptance within 30 days, and an order placed within that time period will indicate acceptance Prices are subject to change without notice unless specifically stated in this quotation.

S-3306 blank (401)

TERMS AND CONDITIONS OF DOMESTIC SALES

1. OFFER, GOVERNING PROVISIONS, AND CANCELLATIONS. This writing constitutes an offer or counter-offer by Badger Meter, Inc. ("Seller") to sell the products and/or services described herein in accordance with these terms and conditions. This writing is not an acceptance of any offer made by purchaser ("Purchaser"), and acceptance of this offer is expressly conditioned upon the Purchaser's assent to these terms and conditions. Purchaser will be deemed to have assented to these terms and conditions when:

(a) Purchaser signs and delivers to Seller an acknowledgment copy of any of Seller's quotations, order acknowledgment or invoice forms, or
(b) at Seller's option, when Purchaser shall have given to Seller specification of assortments, delivery dates, shipping instructions, or instructions to bill and hold as to all or any part of the merchandise herein described, or
(c) when Purchaser has received delivery of the whole or any part thereof, or
(d) when Purchaser has otherwise assented to the terms and conditions hereof.

No additional or different terms or conditions will be binding upon Seller unless specifically agreed to in writing. Seller hereby objects to any such additional or different provisions contained in any purchase order or other communication from Purchaser. THIS CONTRACT AND THESE TERMS AND CONDITIONS SHALL CONSTITUTE THE ENTIRE AGREEMENT BETWEEN SELLER AND PURCHASER, AND SHALL BE GOVERNED BY AND SHALL BE CONSTRUED ACCORDING TO THE INTERNAL LAWS OF THE STATE OF WISCONSIN. No order may be cancelled or altered by Purchaser except upon terms and conditions acceptable to Seller, as evidenced by Seller's written consent. In the event of such an approved cancellation by Purchaser, Seller shall be entitled to payment of the full price, less the amount of any expenses saved by Seller by reason of the cancellation.

2. DELIVERY AND DELAY. All quoted delivery dates and/or periods are approximate. The delivery periods shall commence when Seller shall have acknowledged receipt of complete specifications and/or applicable documents required to effect shipment such as import license, exchange permit, shipping instructions, etc. Title and risk of loss or damage in transit shall pass to Purchaser at the point where Seller has fulfilled its obligations under the shipping term specified in the contract for sale as described in the International Chamber of Commerce definition of Trade Terms — 1994, provided, that if payment shall be made under a letter of credit, Seller shall have a security interest in the equipment until acceptance of the related draft or drafts by the bank confirming such credit.

Seller reserves the right to make delivery in installments, unless otherwise expressly stipulated in the contract for sale; and all such installments, when separately invoiced, shall be paid for when due per invoice, without regard to subsequent deliveries. Delay in delivery of any installment shall not relieve Purchaser of its obligations to accept remaining deliveries. Seller shall not be liable for any damage as a result of any delay due to any cause beyond Seller's reasonable control, including without limitation, an act of God, act of purchaser; embargo or other governmental act, regulation or request; fire, accident; strike; slow-down; war; riot; delay in transportation; delayed delivery by suppliers; and inability to obtain necessary labor and materials. In the event of any such delay, the date of delivery shall be extended for a period equal to the time lost by reason of the delay.

Claims for shortages or other errors must be made in writing to Seller within thirty (30) days after receipt of shipment, and failure to give such notice shall constitute unqualified acceptance and a waiver of all such claims by Purchaser.

Shipping specifications are approximate; any change resulting from variations are not subject to claim by Purchaser.

3. DESCRIPTIVE LITERATURE AND SUBSTITUTES. Catalogues, product brochures, photographs and other illustrations are a general representation of the products offered, but shall not be taken as an exact representation and shall not form part of the contract except as specifically set forth. Seller reserves the right to make changes in design, specifications or materials which in Seller's opinion are an improvement or necessary because of unavailability of materials. Seller may furnish suitable substitutes for materials unobtainable because of priorities or regulations established by governmental authority or nonavailability of materials from suppliers.

4. STORAGE. If the products are not shipped within 15 days after notification to Purchaser that they are ready for shipping, for any reason beyond Seller's reasonable control, including Purchaser's failure to give shipping instructions, Seller may store such products at Purchaser's risk in a warehouse or yard or upon Seller's premises, and Purchaser shall pay all handling, transportation and storage costs at the prevailing commercial rates upon submission of invoices therefor.

5. PRICE AND PAYMENT. As explained in Paragraph 10 below, the prices for the goods and/or services listed on the face of this offer (or counter-offer) are Seller's price for such goods and/or services with (i) the exclusive Warranty of repair or replacement of defective parts as found in Paragraph 7 below, and (ii) the Exclusion of Consequential Damages and Disclaimer of Other Liabilities, as found in Paragraph 10 below, including the disclaimer of tort liability (including negligence and strict liability) enforceable against Purchaser. If Purchaser desires for Seller to provide a greater, or additional Warranty than presently contained in Paragraph 7, and/or to be liable for some or all of the disclaimed liability in Paragraph 10, and/or to be liable for Purchaser's consequential or incidental damages, then Purchaser must notify Seller before Purchaser accepts (or is deemed to accept), pursuant to Paragraph 1, this offer and Seller will amend this offer to reflect higher sales prices consistent with the additional warranty, liability and/or damages that Purchaser desires Seller to assume. In the absence of such a notification, the repair or replacement Warranty found in Paragraph 7, the disclaimer of consequential and incidental damages found in Paragraph 10 and the disclaimer of other liability also found in Paragraph 10 including the disclaimer of tort liability, shall be enforceable as stated in this contract.

Payment terms are net payment within 30 days of the date of invoice, unless otherwise stated. Interest will be charged at the rate of 18% per year (but not more than the highest rate permitted by applicable law) on accounts more than 30 days past due. Purchaser agrees to pay all costs of collection, including reasonable attorneys' fees, on all past due accounts. Invoices may be submitted as partial shipments are made. If during the period of the contract the financial condition of Purchaser does not justify the terms of payment specified, Seller may demand full or partial payment in advance before proceeding with the contract. If shipment is delayed beyond the scheduled date by Purchaser, payment shall be due in full when Seller is prepared to make the shipment. If Purchaser defaults in any payment when due, then the whole contract price shall immediately become due and payable upon demand, or Seller, at its option without prejudice to other lawful remedies, may defer delivery or cancel this contract. If delivery is deferred, the goods may be stored as provided in Paragraph 4 above.

6. TAXES AND OTHER CHARGES. Any manufacturer's tax, retailer's occupation tax, use tax, sales tax, excise tax, duty, custom, inspection or testing fee or any other tax, fee or charge of any nature whatsoever imposed by any governmental authority on or measured by the transaction between Seller and Purchaser, shall be paid by Purchaser in addition to the price quoted or invoiced. In the event the Seller is required to pay any such tax, fee or charge, Purchaser shall reimburse Seller therefor; or in lieu of such payment, Purchaser shall provide Seller at the time the order is submitted with an exemption certificate or other document acceptable to the authority imposing the same. When the contract price includes cost of transportation, field service and/or installation, it has been based on the lowest value for such service prevailing at the time such price is established, and, in the event of any change in such rates prior to shipment or performance of services, the price shall be modified accordingly.

7. WARRANTIES. Except as otherwise stated in Warranty Form S-3449 with regard to certain disc meters, Seller warrants equipment and parts manufactured by it and supplied hereunder to be free from defects in materials and workmanship for a period of 18 months from date of shipment or 12 months from date of installation, whichever period shall be shorter. If within such period any such equipment or parts shall be proved to Seller's satisfaction to be defective, such equipment or parts shall be repaired or replaced at Seller's option. Seller's obligations hereunder shall be limited to such repair and replacement and shall be conditioned upon Seller's receiving written notice of any alleged defect within 10 days after its discovery and, at Seller's option, return of such equipment or parts to Seller, f.o.b. its factory. This warranty shall not apply to equipment or parts not manufactured by Seller or to equipment or parts which shall have been repaired or altered by others than Seller or which shall have been subject to negligence, accident, damage by circumstances beyond Seller's control or improper operation, maintenance, installation, or storage or to other than normal use or service. With respect to equipment and parts not manufactured by Seller, the warranty obligations of Seller shall in all respects conform and be limited to the warranty extended to Seller by the supplier.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE (except warranties of title). This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace defective products or issue a credit to Purchaser within a reasonable time after Purchaser proves to Seller that a defect is involved.

Any description of the products, whether in writing or made orally by Seller or Seller's agents, specifications, samples, literature, models, bulletins, drawings, diagrams, engineering sheets or similar materials used in connection with Purchaser's order are for the sole purpose of identifying the products and shall not be construed as an express warranty. Any suggestions by Seller or Seller's agents regarding use, application or suitability of the products shall not be construed as an express warranty unless confirmed to be such in writing by Seller.

8. PATENTS, TRADEMARKS AND COPYRIGHTS. Seller will, at its own expense, defend any suits that may be instituted by anyone against Purchaser for alleged infringement of any United States patent, trademark, or copyright relating to any products manufactured and furnished by Seller hereunder, if such alleged infringement consists of the use of such products, or parts thereof, in Purchaser's business and provided Purchaser shall have made all payments then due hereunder and shall give Seller immediate notice in writing of any such suit and transmit to Seller immediately upon receipt all processes and papers served upon Purchaser and permit Seller through its counsel, either in the name of Purchaser or in the name of Seller, to defend the same and give all needed information, assistance and authority to enable Seller to do so. If such products are in such suit held in and of themselves to infringe any valid United States patent, trademark or copyright, then (a) Seller will pay any final award of damages in such suit attributable to such infringement, and (b) if in such suit use of such products by Purchaser is permanently enjoined by reason of such infringement, Seller shall, at its own expense and at its sole option, either (i) procure for Purchaser the right to continue using the products, (ii) modify the products to render them noninfringing, (iii) replace the products with noninfringing goods, or (iv) refund the purchase price and the transportation costs paid by Purchaser for the products.

Notwithstanding the foregoing, Seller shall not be responsible for any compromise or settlement made without its written consent, or for infringements of combination or process patents covering the use of the products in combination with other goods or materials not furnished by Seller. The foregoing states the entire liability of Seller for infringement, and in no event shall Seller be liable for consequential damages attributable to an infringement.

As to any products furnished by Seller to Purchaser manufactured in accordance with drawings, designs or specifications proposed or furnished by Purchaser or any claim of contributory infringement resulting from the use or resale by Purchaser of products sold hereunder, Seller shall not be liable, and Purchaser shall indemnify Seller and hold Seller harmless from and against any and all loss, liability, damage, claim or expense (including but not limited to Seller's reasonable attorneys fees and other costs of defense) incurred by Seller as a result of any claim of patent, trademark, copyright or trade secret infringements, or infringements of any other proprietary rights of third parties.

9. NUCLEAR DISCLAIMER. Equipment sold by Seller is not intended for use in connection with any nuclear facility or activity unless covered by a specific quotation where the conditions of such usage will be detailed. If equipment is used in a nuclear facility or activity without a supporting quotation, Seller disclaims all liability for any damage, injury or contamination, and Purchaser shall indemnify and hold Seller, its officers, agents, employees, successors, assigns and customers, whether direct or indirect, harmless from and against any and all losses, damages or expenses of whatever form or nature (including attorneys' fees and other costs of defending any action) which they, or any of them, may sustain or incur, whether as a result of breach of contract, warranty, tort (including negligence), strict liability or other theories of law, by reason of such use.

10. EXCLUSION OF CONSEQUENTIAL DAMAGES AND DISCLAIMER OF OTHER LIABILITY; PURCHASER'S INDEMNITY. Seller's liability with respect to breaches of warranty shall be limited as provided in Section 7 hereof. With respect to other breaches of this contract, Seller's liability shall in no event exceed **the contract price. SELLER SHALL NOT BE SUBJECT TO AND DISCLAIMS: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH** OF CONTRACT OR OF WARRANTY, (2) ANY OBLIGATIONS WHATSOEVER ARISING **FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS** SOLD OR SERVICES RENDERED BY SELLER, OR ANY UNDERTAKINGS, ACTS OR **OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES WHATSOEVER.** Without limiting the generality of the foregoing, Seller specifically disclaims any liability for penalties (including administrative **penalties), special or punitive damages, damages for lost profits or revenues,** loss of use of products or any associated equipment, cost of capital, facilities or services, downtime, shut-down or slow-down costs, or for any other types of economic loss. **All the limitations and disclaimers contained in this paragraph and in the rest of** this contract shall apply to claims of Purchaser's customers or any third party asserted by Purchaser against Seller for indemnity or contribution, as well as to direct claims of Purchaser against Seller.

The prices for the goods and/or services on the face of this offer are Seller's price for such goods and/or services with all the above Disclaimer of Liabilities, including tort liability, enforceable against Purchaser. If Purchaser desires for such Disclaimer to be amended so that Seller is liable for some or all of the matters disclaimed then Seller's price for the goods and/or services covered by this offer will be adjusted upward to reflect the risks which Purchaser desires Seller to assume. Purchaser understands that Purchaser is foregoing the possibility of, among other things, recovery from Seller of tort liability in exchange for Purchaser obtaining a lower sales price for the goods and/or services.

Purchaser shall indemnify Seller against any and all losses, liabilities, damages and expenses (including, without limitation, attorneys' fees and other costs of defending any action) which Seller may incur as a result of any claim by Purchaser or others arising out of or in connection with the products and/or services sold hereunder and based on product or service defects not proven to have been caused solely by Seller's negligence.

11. TECHNICAL INFORMATION. Any sketches, models or samples submitted by Seller shall remain the property of Seller, and shall be treated as confidential information unless Seller has in writing indicated a contrary intent. No use or disclosure of such sketches, models and samples, or any design or production process or techniques revealed thereby, shall be made without the express written consent of Seller.

12. PURCHASER'S PROPERTY. Any property of purchaser placed in Seller's custody for performance of this contract is not covered by insurance, and no risk is assumed by Seller in the event of loss or damage to such property by fire, water, burglary, theft, civil disorder or any accident beyond the reasonable control of Seller.

S-3539RC(894)

AUGUSTA UTILITIES DEPARTMENT
IN-HOUSE REQUISITION

REQUISITION # ______________

DATE: 3/28/2011

DIVISION: Metering Division ROUTINE: ______v______ EMERGENCY: __________ SOLE SOURCE: __________ PREFER ITEM: __________

FUND #: 506043210

		VENDOR:	Badger Meter		United Utilities inc		Carolina Meter	
		ADDRESS:						
		PHONE #:	770-757-0445		910-509-7284			
		QUOTED BY:	Scott Jones		Kim			
ITEM #	ITEM DESCRIPTION	QUANITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1.	63607-039 FC300 Handheldd Data	15	4,850.00	72,750.00	5,700.00	85,500.00	6,350.00	95,250.00
2.	W/Spred Bluetooth FC200					-		-
3.	63607-050 FC300 Desk Dock USB	15	325.00	4,875.00	400.00	6,000.00	450.00	6,750.00
4.	63607-044 FC300 AC power cord for	15	15.00	225.00		-	13.89	208.35
5.	63607-049 FC300 Dock Ethernet	15	25.29	379.35	12.00	180.00		-
6.	63607 - 043 AC Power Supply	15	114.75	1,721.25	85.00	1,275.00	95.45	1,431.75
7.				-		-		-
8.						-		-
9.						-		-
10.						-		-
11.						-		-
12.				-		-		-
13.				-		-		-
	SHIPPING CHARGES			-		-		-
	TOTAL			$ 79,950.60		$ 92,955.00		$ 103,640.10

JUSTIFICATION FOR: EMERGENCY / SOLE SOURCE / PREFER ITEM:

REQUESTED BY: Scott Harrigfeld APPROVED BY: [signature]

QUOTATION

Badger Meter

4545 W Brown Deer Road Milwaukee WI 53223
PO Box 245036 Milwaukee WI 53224-9536
Phone: 800-876-3837 Fax: 888-371-5982
Customer Service Rep: kyoung@badgermeter.com

Quotation No.14768

TO Scott Harrigfeld
AUGUSTA-RICHMOND COUNTY*
CITY-COUNTY MUNICIPAL BLDG 11
AUGUSTA GA 30911-3999
Phone: 1-706-842-3062
Fax:
E-mail: SHarrigfeld@augustaga.gov

CUSTOMER ID: 101550

EFFECTIVE DATES: 3/23/2011-6/30/2011

SALESPERSON	PROPOSAL SUBJECT	SHIPPING TERMS/INCO TERMS	PAYMENT TERMS
005231 R. Scott Jones	ITRON EQUIPMENT PRICING	PREPAY/NO CHARGE For Orders > $12,500 FOB FACTORY	NET 30 DAYS

LINE #	DESCRIPTION	QTY	UNIT NET PRICE USD	LINE TOTALS USD
1	FC300,SREAD RADIO BLUETOOTH 63607-039	15	$4,850.00	$72,750.00
2	DOCK,DESKTOP,FC300 63607-050	15	$325.00	$4,875.00
3	AC POWER CORD 63607-044	15	$15.00	$225.00
4	DOCK ETHERNET CABLE,RJ45,CAT5 63607-049	15	$25.29	$379.35
5	AC POWER SUPPLY 63607-043	17	$114.75	$1,950.75
6	PORTABLE MOUNT,MOBILE LITE 63603-085	1	$9,800.00	$9,800.00
7	Meter Reading System:On-Site, Training 2 Days, MR1-0000-0465	1	$2,500.00	$2,500.00

Notes and Assumptions:
If applicable, sales tax and freight charges will be added at time of invoice.

5304.75

Actual lead time to be provided at time of order.

THANK YOU FOR YOUR BUSINESS!

Item # 3

United Utilities, Inc.
Remit to:
1404 Commonwealth Dr Suite 250
Wilmington, NC 28403
PH:910-509-7284

Sales & Service Center:
528 Almaville Road
Smyrna, TN 37167
PH: 888-358-0815
Fax: 615-459-8898

Estimate

Date	Estimate #
3/4/2011	2597

Name / Address
Augusta-Richmond County Room 105, Accounting Dept City Council Municipal BLDG (11) Augusta, GA 30901-4443

Terms	Rep	Project Name	Expiration Date	FREIGHT	CONTACT	FAX
Net 30	RW		6/4/11	PPD&ADD	Scott Harrigfeld	706-826-4791

Description	Qty	Cost	Total
FC3-0001-001, FC300, SRead Radio, Bluetooth	1	5,700.00	5,700.00
FC3002DSKCRDL Dock, Desktop, FC300 with USB Host, USB, client, 10/100 Ethernet and powered RD-232. Power supply and cord must be ordered separately.	1	400.00	400.00
MX9302PWRSPLY, AC Power Supply for FC300 handheld or desktop dock (does not include power cord, power cords sold separately)	1	85.00	85.00
90000A066CBLPWRAC, AC Power Cord	1	12.00	12.00
Thank You....Kim. Call 888-358-0815 x 2 or email kim@unitedutilities.us with questions.	**Sales Tax (7.0%)**		$0.00

United Utilities, Inc. accepts Master Card and Visa. Charge card orders will have a 3.5% processing charge applied to each order. 6197.00

United Utilities Return policy is as follows: Customer is responsible for freight charges. Restockable product is subject to 25% restocking fee within 45 days of invoice date. Products containing batteries will not be accepted for return after 90 days from invoice date.

Estimate

March 04, 2011

Carolina Meter & Supply

Carolina Meter & Supply
PO Box 400
Hampstead, NC 28443

S5041

Bill To:

Augusta - Richmond County
Room 105, Accounting Dept
City Council Municipal BLDG (11)
Augusta, GA 30901

Ship To:

Augusta - Richmond County
Room 105, Accounting Dept
City Council Municipal BLDG (11)
Augusta, GA 30901

Contact: Scott Harrigfeld

Seller	Payment Terms	FOB Point	Shipping Terms	Carrier	Requested Ship Date
Ofc	NET 30	Origin	Prepaid & Billed	Drop Ship	03/04/2011

Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
1	Drop Ship	FC3-0001-001 - FC300, SRead Radio, Bluetooth	$ 6,350.00	1 ea	$ 6,350.00
2	Drop Ship	FC3002DSKCRDL - Dock, desktop, FC300, with USB host, USB client, 10/100 Ethernet, and powered RS-232	$ 450.00	1 ea	$ 450.00
3	Drop Ship	MX9302PWRSPLY - AC Power Supply for FC300 handheld or desktop dock	$ 95.45	1 ea	$ 95.45
4	Drop Ship	90000A066CBLPWRAC - AC Power Cord	$ 13.89	1 ea	$ 13.89
		All product has a four to six week lead time Pricing is valid for 15 days			

SubTotal:	$ 6,909.34
Sales Tax:	$ 0.00
TOTAL:	$ 6,909.34

Approval:______________________ Date:__________

March 7, 2011 8:18:15 AM EST

Item # 3

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Bridge Naming

Department:	Clerk of Commission
Caption:	Consider a request from the Dr. Martin L. King, Jr. Memorial Committee CSRA that the bridge between Fifth and Seventh Streets be named the Edward McIntyre Memorial Bridge.
Background:	
Analysis:	
Financial Impact:	
Alternatives:	
Recommendation:	
Funds are Available in the Following Accounts:	

REVIEWED AND APPROVED BY:

August 5, 2011

Mrs. Lena Bonner, City Clerk
The Municipal Building
530 Greene Street
Augusta, Georgia 30901

Dear City Officials:

In tribute to and in remembrance of the life and legacy of the late Edward McIntyre, The Dr. Martin L. King, Jr. Memorial Committee, CSRA ask that you grant Mr. "Ed" McIntyre the honor of having his distinguished private and public servant leadership be remembered by approving the following request.

By virtue of his compassion for charity, a father and husband, a former mayor of Augusta, Georgia, citizen of the city, a visionary of progress, fostered racial and ethnic diversity, a trailblazer and one who championed civil and human rights be so honored.

Therefore, it is our petition that the bridge between Fifth and Seventh Streets be named the Edward McIntyre Memorial Bridge. Such an honor would be a lasting memento to his wife and family, friends and other who worked with him and those who believe that he deserves this or some type of recognition for his perpetual leadership to this city and thousands who knew him which that transcended our community.

Humbly submitted,

Rev. Larry Fryer, President
MLK, Jr. Memorial Observance Committee CSRA

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Design contract change for Fort Gordon - 1.0 Million Gallon Elevated Storage Tank Project.

Department:	Augusta Utilities Department
Caption:	Approve change order to Johnson, Laschober & Associates, and P.C. (JLA) design contract in the amount of $ 92,500.00 for additional engineering services for Fort Gordon Gate #4 Water Main connection to tanks.
Background:	Fort Gordon has an existing water distribution infrastructure that loops around the south-western portion of the base. As part of planned improvements to the system, AUD will extend the water distribution main at Willis Foreman Rd through the abandoned Gate 4, then down Mirror Lake Road, and finally following Range Road to the western portion of the system as part of the Fort Gordon ICU-0068 Gate 4 Water Main Project. To complete this task a booster pump station will need to be installed to raise the existing (HGL) Hydraulic Grade Line to the level required by the system. JLA will perform the preliminary site inspection, engineering analysis, coordination meetings, and design of the booster station, bid-package preparation, and construction-phase support services during construction.
Analysis:	Augusta Utilities Department evaluated JLA's proposal for engineering services to design the Fort Gordon Booster Pump Station for the Gate 4 Water Main Project. The proposal is considered fair and reasonable to accomplish the project.
Financial Impact:	The amount submitted for the design of this project was $92,500.00. These funds are available from the following account: 507043410-5212115 / 88880072-5212115
Alternatives:	1. Reject the approved change order of the engineering contract, which would delay the design of the project and the subsequent construction of the Fort Gordon ICU 0068 Gate 4 Water Main Project 2. Approve the change order to the engineering contract to Johnson, Laschober & Associates, and P.C. to design the Fort Gordon Booster Pump Station for ICU- 0068 Gate 4 Water Main Project.
Recommendation:	Recommended approval of the change order to design the Fort Gordon Booster Pump Station for Gate 4 Water Main Project to Johnson, Laschober & Associates, and P.C. in the amount of $92,500.00
Funds are Available in the Following Accounts:	$92,500.00 from account 507043410-5212115 / 88880072-5212115

REVIEWED AND APPROVED BY:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

I. FEE PROPOSAL

PROPOSAL #: 091 (JLA Job No. 3042.1101)

DATE: August 12, 2011

TO: Jerry Delaughter, Assistant Director
Augusta Utilities Department
Engineering and Construction Division
360 Bay Street, Suite 180
Augusta, GA

SENT BY:
☐ Phone (706) 312-4131
☐ Fax (706) 796-3031
☒ Email jdelaughter@augustaga.gov

Re: Gate No. 4 Booster Pump Station; Fort Gordon, GA

By: Richard J. Laschober, P.E.
Partner

Scope of Services:

I. Survey, Geotechnical Subsurface Investigation and Report & Environmental Services:

A. Survey

1. Prepare Survey Plat of approximate 1 acre booster pump station site defined in JLA's conceptual studies as Site No. 1, located on the west side of Willis Foreman Rd. mostly on Parcel 138-0-014-00-0 and partly on Parcel 138-0-006-00-0.

2. Prepare location and topographic survey on state plane coordinate system and USGS datum for the area defined in above item no. 1 and for the routing of supply and discharge lines for the Gate No. 4 booster pump station (BPS) from connection to the proposed 18" water main located on the east side of Willis Forman Rd. and running west Willis Foreman Rd. to the proposed booster pump station site on the west side of Willis Foreman Rd located mostly on rear portion Parcel 138-0-014-00-0 and partly on Parcel 138-0-006-00-0.

B. Geotechnical Exploration and Report: Perform soil borings for Site No. 1 described above for the proposed BPS station as necessary to adequately define subsurface conditions in the contract documents and to design the BPS building foundations and trench installations.

C. Environmental Studies, Assessments, etc.: Based on a cursory review of the BPS area and related water line work within the right-of-way, the need for environmental studies such as with respect to jurisdictional wetlands, etc. are not anticipated. A $5,000 contingency budget is included in this contract proposal to cover limited unanticipated environmental services.

II. Engineering-Conceptual through Design Phase:

A. Conceptual Design

1. Prepare conceptual design of line routing and booster pump station real estate requirements to the extent necessary to identify alternative booster pump site locations and work with AUD property procurement to make recommendation for meets and bounds of plat for

purchase of property. As a result of a meeting at AUD's office on July 26, 2011 where JLA reviewed the final result of the conceptual design, the BPS site and offsite water line routing presented on drawing 'Site 1' was agreed to be the most favored scheme with respect to land procurement issues.

2. Prepare conceptual phase cost estimate.

Note: JLA prepared and submitted a Design Basis, Design Narrative and Commentary on Budget cost estimate dated July 19, 2011 as a result of preliminary meetings with AUD. As a result of a follow-up meeting on July 22, 2011 the decision was made to proceed with Site 1.

B. Design Development and Contract Document Plans and Specifications:

1. Coordinate field testing of water system and hydraulic modeling efforts with AUD personnel.
2. Prepare contract documents including:
   a. Clearing
   b. Earthwork
   c. Foundation, slab, and building shell construction, and MEP design.
   d. Building Plans and Details
   e. BPS interior piping and valves,
   f. BPS site valve vaults, etc.
   g. Fence
   h. Paving
   i. BPS and site lighting.
   j. Green Space plan (if required)
   k. The following will be included on drawings. JLA reserves the right to combine the following plan information on drawings where appropriate for this project.
      1) Cover Sheet - will include drawing index, location map and project data
      2) Project Notes Sheet – will include general and regulatory required notes, legend and abbreviations.
      3) Existing Conditions Plan – based on topographical and utility survey provided by JLA.
      4) BPS Site Layout Plan - will include proposed BPS location, access driveway, fence, etc. Horizontal control for the purposes of locating civil hardscape and proposed BPS building will be included on this plan sufficient for construction staking.
      5) BPS Grading & Drainage Plan - will include finished ground surface elevations of the exterior of the new BPS. Finished foundation and floor elevations, above ground improvements, site contour grading (with key spot elevations).
      6) Water Supply and Discharge Routing Plan and Profile - will depict a comprehensive utility location presentation. JLA will indicate existing conditions and the locations of proposed utilities on the BPS site and offsite along the proposed supply and discharge line routing.
      7) Erosion, Sedimentation, and Pollution Control Plan & Details- will indicate minimum standards for erosion control measures and practices that are

appropriate during the construction sequence to assist the contractor in minimizing erosion. This plan will comply with the general requirements of the NPDES (National Pollutant Discharge Elimination System) General Permits adopted by the State.

8) Green Space Plan and Details – will be prepared and will address only minimum requirements required by local authorities under their tree ordinance or tree preservation code.
9) Construction Details - will consist of typical site development details for items specified on the plans provided under this task.

3. Front-End Documents and Technical Specifications

4. JLA will assist the City in obtaining the required approvals from Augusta-Richmond County for a Land Disturbance Permit. This assistance will include attending agency-required meetings, preparing information for submittal, filing forms, printing drawing sets for approval and following up with County departments to inquire upon the progress of the plan review.

C. Engineering – Procurement Phase

1. Provide contract documents (drawings and specifications) to City and their CM at Risk.
2. Attend procurement meetings, as requested, and provide addenda.
3. Assist the City and their CM at Risk their in their evaluation and tabulation of bids and recommendation of lowest qualified bidder, as requested.

D. Engineering – Construction Phase

1. Review shop drawings and materials submittals.
2. Respond to requests for information and provide technical support to City s and their CM at Risk, as required.
3. Inspections: Full or part-time resident inspections will be provided by the City's CM at Risk. JLA will attend site meetings as requested by the City and their CM as Risk as related to specific issues and key inspections.
4. Participate in the semi and final inspection with City and CM at Risk personnel, as requested.
5. Project Closeout: Provide as-built drawings from data provided by the City.

III. Compensation for Basic Professional Services

A.	Survey, Geotechnical and Environmental Services - (Paragraphs I.A-C)	$ 11,600
B.	Basic Engineering Services – (Paragraphs II. A-D)	$80,900
C.	Total Fee (Paragraphs III.A & B)	$ 92,500

IV. Schedule for Performance (See Section II)

V. Listing of Key personnel (See Section III)

VI. Items Provided by City, Not Anticipated for this Project, and Additional Services:

A. The following list of items that are excluded from the Lump Sum portion of this Proposal and are to be provided by City:

1. Review and permit fees by government agencies (By City)

B. The following items are not included in the Lump Sum Bid and are not anticipated for this project:

1. Rezoning Plans
2. Rezoning Coordination/Meeting Attendance/Assistance
3. Zoning Amendments and/or special variances
4. Advertising and Distribution of Bid Set Documents
5. Final Grade Certification
6. Title Reports
7. Wastewater lift stations and on-site treatment
8. Offsite utilities routing including easements, etc., with the exception of BPS related water supply and discharge lines.
9. Routing outflow from detention facility offsite to a remote discharge point (i.e. pipe, ditch, etc.)
10. Monitoring and Inspections and related documentation to comply with NPDES (National Pollutant Discharge Elimination Systems) General Permit, including monitoring and inspections (By others).
11. Wetlands delineation, permitting, mitigation plans etc.
12. FEMA floodplain study, no-rise determination, mitigation plans etc.

C. The following items are optional and, if requested by City, shall be provided on a time and expense basis:

1. Full or part-time resident inspection.
2. Attendance at out-of-town meetings or conferences required by the City.
3. Services requested by the City not specifically addressed in this proposal.

ATTACHMENT B – COMPENSATION – FEE PROPOSAL

Fee Schedules for Additional & Special Services

Johnson, Laschober & Associates, P.C. (Engineering Services)

Principal	$200.00/Hr.
Sr. Engineer / Sr. Project Manager	$180.00/Hr.
Engineer / Project Manager	$130.00/Hr.
Engineer / Assistant Project Manager	$115.00/Hr.
Engineer I	$100.00/Hr.
Engineer II	$ 90.00/Hr.
Enigneer III	$ 80.00/Hr.
Designer I	$ 90.00/Hr.
Designer II	$ 82.00/Hr.
CAD Operator	$ 70.00/Hr.
Survey Field Crew	$135.00/Hr.
Survey Research	$ 50.00/Hr.
Clerical	$ 40.00/Hr.
Accountant	$ 80.00/Hr.

PLUS

EXPENSES.....

Printing	- 24 x 36	$ 1.10 each
	- 30 x 42	$ 2.10 each
	- 8-1/2 x 11	$ .15 each

Long Distance Telephone Calls	$ 5.00 each
Express Postage	$ 25.00 each
Mileage	$ 0.58 mile

ATTACHMENT B – COMPENSATION – Fee Proposal

All following sub-contract work for Outside Services will be marked up 15%

Fee Schedules for Additional & Special Services

<u>Geotechnical</u> – SM & E

Additional Drilling	$ 17.00/Foot
Staff/Field Engineer	$ 86.00/Hr.
Geotechnical Engineer	$ 120.00/Hr.
Senior Geotechnical Engineer (P.E.)	$ 145.00/Hr.
Secretarial	$ 45.00/Hr.
CADD Services	$ 60.00/Hr.
Mobilization of truck mounted rig	$ 500.00/Ea.
Soil boring with SPT at 5 feet intervals	$ 17.00/Foot
Thin Wall tube sample	$ 86.00/Ea.
Consolidation tests	$ 500.00/Ea.
Report Reproduction (Initial three copies at no charge)	$ 0.25/Page
Special Printing or Blueprinting Charges	Actual Cost plus 25%
Mileage	$ 0.85/Mile
Overnight Expenses	$ 100.00 person/day

II. SCHEDULE

A. Projected Notice to Proceed……………………………………………………… Contract Day 1

B. Mobilization - Begin in 0 days………………………………Contract Day 1

C. Preliminary Subsurface Investigation and site survey –
Complete 45 days ……………..…..….Contract Day 45

D. Design Phase

1. 30% Review Documents – Complete 45 Days plus City Review 10 Days .... Contract Day 55
2. 60% Review Documents – Complete 45 Days plus City Review 10 Days Contract Day 110
3. 90% Review Documents – Complete 30 Days plus City Review 10 Days Contract Day 150
4. 100% Submittal – Complete 15 Days……………………Contract Day 165

SECTION III – LISTING OF KEY PERSONNEL

CONSULTANT shall provide qualified personnel to perform its work. The list of key personnel below, including a designated Program Manager will not change or be reassigned without the written approval of the CITY. Those personnel committed for this work are as follows:

ENGINEERING		
Richard J. Laschober	Project Manager, PE	Johnson, Laschober & Assoc., PC
William Buchanan	Civil Project Design Engineer, PE	Johnson, Laschober & Assoc., PC
Trevor Wimberly	Design Engineer, EIT	Johnson, Laschober & Assoc., PC
Cristo Eclavea	Senior Designer, Level II Cert. Des. Prof. - GSWCC	Johnson, Laschober & Assoc., PC
Kevin Kotellos	Registered Architect	Johnson, Laschober & Assoc., PC
Donald Thorstad	Structural Design Engineer, PE	Johnson, Laschober & Assoc., PC
Curtis Williamson	Mechanical Design Engineer, PE	Johnson, Laschober & Assoc., PC
Ralph Salzmann	Electrical Design Engineer, PE	Johnson, Laschober & Assoc., PC
Darren Prickett	Landscape Architect, RLA	Johnson, Laschober & Assoc., PC
SURVEYING		
George Godman	Professional Land Surveyor	George L. Godman & Assoc.
SOIL INVESTIGATION		
Robert Williamson	P.E., Branch Manager	SM & E

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Ft. Gordon CM@Risk-Phase II Change Order #1 for Addition of Irrigation System ProjectDesign-Build Chafee Ave Lift Station Odor Control &Design-Build Ground Water Plant #1 Hypochlorite System

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Department:	Utiltiies
Caption:	Authorize execution of Change Order # 1 in the amount not to exceed $7,208,935.00 to Tetra Tech Inc. for installation of a raw water irrigation system at Ft. Gordon through the Ft. Gordon CM@Risk - Phase II contract, and the Design-Build services at Chafee Ave. Lift Station and Ground Water Plant #1.
Background:	Augusta and Ft. Gordon entered into a Privatization Contract of Water/Wastewater utility services in September 2007. One of the requirements of the contract included a construction program of the Initial Capital Upgrades (ICU's) throughout the base. One of the ICU projects was to provide an Irrigation System to several of the large facilities and the parade field within Fort Gordon. The Raw Water Distribution System will consist of 8" thru 18" water mains that will be installed from the existing water treatment plant to various locations throughout Ft Gordon. In addition, the existing water treatment plant and raw water pumping station at Ft Gordon will be used in a limited capacity to provide pretreatment for the raw water system. The existing reservoir on Ft Gordon will be used as the raw water source for the Irrigation System. The other component to this agenda item is the design-build element at the Chafee Ave Lift Station for odor control in the vicinity of the new Kroc Center and the installation of the Hypochlorite System at Ground Water Plant #1 for disinfection. This will allow for the elimination of the gas chlorine system.
Analysis:	After several extensive negotiation sessions, the Augusta Utilities Department and Tetra Tech Inc. have agreed on a project scope and a price that could be brought to the Commission for consideration. The compensation being presented is a guaranteed maximum price (GMP) for the work to be performed. The compensation being recommended represents a reasonable cost for the services.
Financial Impact:	Funding for the project will be authorized under account number 507043490–5425410 / 88887777-5425410 Ft Gordon 511043410-

5212115 / 80310812-5212115 Chafee Ave Lift Station 511043410-5212115 / 80310813-5212115 Ground Water Plant # 1

Alternatives:	No alternatives are recommended.
Recommendation:	We recommend the Commission authorize execution of Change Order # 1 in the amount not to exceed $7,208,935.00 to Tetra Tech Inc. for installation of a raw water irrigation system at Ft Gordon through the Ft Gordon CM@Risk- Phase II contract, and the Design-Build services at Chafee Ave Lift Station and Ground Water Plant #1.
Funds are Available in the Following Accounts:	507043490–5425410 / 88887777-5425410 Ft Gordon 511043410-5212115 / 80310812-5212115 Chafee Ave Lift Station 511043410-5212115 / 80310813-5212115 Ground Water Plant # 1

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

Augusta
GEORGIA

UTILITIES DEPARTMENT

Change Order Number: #1 **Date:** September 6, 2011
Project Title: **Ft Gordon CM@Risk**
Original Contract Date: February 14, 2011 **Project Number:**
Owner: **Augusta Utilities** **P.O. Number:**
Contractor: **Tetra Tech Inc.**

The following change order is hereby made to the proposal for the above project: Addition of Raw Water Irrigation System per attached scope and pricing.

TOTAL AMOUNT OF THIS CHANGE ORDER	$7,208,935.00

The Contract time will be Increased/Decreased by -0- calendar days as a result of this change. The date of completion including this change order is July 31, 2012

Original Contract Amount	$ 22,993,573.00
Previous Change Order (Increased / Decreased)	$ -0-
This Change Order (**Increased** / Decreased)	$ 7,208,935.00
TOTAL CONTRACT WITH CHANGE ORDER(S)	**$ 30,204,508.00**

* * * * * * * * * * * * *

Funding Source/Account Number 507043490–5425410 / 88887777-5425410.Ft Gordon
511043410-5212115 / 80310812-5212115 Chafee Ave Lift Station
511043410-5212115 / 80310813-5212115 Ground Water Plant # 1

Requested By: ____________________ Date: __________
Project Manager

Submitted By: ____________________ Date: __________
Department Head

Finance Endorsement: ____________________ Date: __________
Comptroller

Recommended By: ____________________ Date: __________
Administrator

Approved By: ____________________ Date: __________
Mayor

Accepted By: ____________________ Date: __________
Contractor

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Ft. Gordon MSA-001 Wastewater Connection Change Order #3 to ZEL Inc. Addition Engineering Services

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Department:	Utilities
Caption:	Authorize execution of Change Order # 3 in an amount of $93,775.00 to ZEL Engineering for additional Engineering Services on the MSA-001 Wastewater Connection at Ft. Gordon.
Background:	Augusta and Ft. Gordon entered into a Municipal Services Contract for Water and Wastewater commodities in September 2006. The contract included a construction program for connections to the Augusta Water and Sanitary Sewer System. One of the MSA projects was to provide a connection from the existing Waste Water Treatment Plant on Ft. Gordon to the Sanitary Sewer Trunk Line on Spirit Creek by means of a forcemain. Zimmerman, Evans and Leopold (ZEL) Engineering prepared the orginal plans and specifications. The additional services that are covered with this change in scope request include value engineering, modifications to the wetlands permit and additional field services.
Analysis:	The Augusta Utilities Department had reviewed the request for this change in scope requested and have found it to be in order. The compensation being recommended represents a reasonable cost for the services being provided.
Financial Impact:	: Funding for the project will be authorized under account number 507043420 - 5212115 / 80600040 -5212115.
Alternatives:	No alternatives are recommended.
Recommendation:	We recommend the Commission authorize execution of Change Order #3 in an amount of $93,775.00 to ZEL Engineering for additional Engineering Services on the MSA-001 Wastewater Connection at Ft. Gordon.

Funds are Available

in the Following Accounts:

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

UTILITIES DEPARTMEỊ T

Change Order Ị umber: #3 **Date**: September 6, 2011
Project Title: MSA-001 Waste Water Connection to Ft Gordon
Original Contract Date: ____________________ **Project Ị umber** ____________
Owner: Augusta Utilities **P.O. Ị umber**: P158511
Contractor: ZEL Engineers

The following change order is hereby made to the proposal for the above project:
Additional Engineering Services per letter dated April 1, 2011 with attachments.

TOTAL AMOUỊ T OF THIS CHAỊ GE ORDER $93,775.00

The Contract time will be Increased/Decreased by N/A calendar days as a result of this change. The date of completion including this change order is ______________

Original Contract Amount	$ 397,632.00
Previous Change Order (**Increased** / Decreased)	$ 235810.45
This Change Order (**Increased** / Decreased)	$ 93,775.00
TOTAL COỊ TRACT WITH CHAỊ GE ORDER(S)	$ 727,217.45

* * * * * * * * * * * * *

Funding Source/Account Number: 507043420 -5212115 /80600040-5212115

Requested By: ______________________________ Date: __________________
Engineer

Submitted By: ______________________________ Date: __________________
Department Head

Finance Endorsement: ______________________ Date: __________________
Comptroller

Recommended By: ___________________________ Date: __________________
Administrator

Approved By: ______________________________ Date: __________________
Mayor

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Georgia Johnson

Department: Clerk of Commission

Caption: Presentation by Ms. Georgia Johnson regarding garbage services.

Background:

Analysis:

Financial Impact:

Alternatives:

Recommendation:

Funds are Available in the Following Accounts:

REVIEWED AND APPROVED BY:

AGENDA ITEM REQUEST FORM

Commission meetings: First and third Tuesdays of each month - 5:00 p.m.
Committee meetings: Second and last Mondays of each month - 12:45 to 2:15 p.m.

Commission/Committee: (Please check one and insert meeting date)

______	Commission	Date of Meeting	______
______	Public Safety Committee	Date of Meeting	______
______	Public Services Committee	Date of Meeting	______
______	Administrative Services Committee	Date of Meeting	______
✓	Engineering Services Committee	Date of Meeting	Aug 29, 2011
______	Finance Committee	Date of Meeting	______

Contact Information for Individual/Presenter Making the Request:

Name: Georgia Johnson
Address: 2558 Branda Place Hephzibah Ga 30815
Telephone Number: 706 394 9669
Fax Number: N/A
E-Mail Address: N/A

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

Garbage 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.

Engineering Services Committee Meeting
8/29/2011 12:55 PM
McCoys Creek Subdivision Cost Share Agreement

Department:	Augusta Utilities Department
Caption:	Motion to approve a cost share agreement between Walker Hills, LLC and the Augusta Utilities Department (AUD) for McCoys Creek Subdivision.
Background:	Walker Hills, LLC, is developing McCoys Creek Subdivision, on Gordon Highway, in the vicinity of Fort Gordon Gate 3, partially in Augusta-Richmond County and partially in Columbia County. Potable water will be needed for the development of the subdivision. AUD has, in its future plans, the Gordon Highway 16” Water Main project, which will be constructed in this area. Walker Hills has offered to donate the needed easements (estimated value of $5,800) and pay AUD what it would cost them to obtain potable water from Columbia County, if AUD would extend the 16” water main to their property. AUD has also been requested to construct and install the control panel, for the McCoys Creek sanitary sewer lift station.
Analysis:	The area, near Fort Gordon Gate 3, is presently experiencing a healthy housing market that will need a steady potable water source. Walker Hills’ share will offset the construction costs, for the portion of the Gordon Highway 16” water main, in that area. Donation of the easements, by Walker Hills, will allow for future expansion of the water main. Walker Hills will also reimburse AUD for the cost of the construction and installtion of the sanitary sewer lift station panel.
Financial Impact:	($15,675)reimbursement for construction of 16" water main ($26,245)reimbursement for the construction and installation of control panel
Alternatives:	Disapprove the motion to approve a cost share agreement between Walker Hills, LLC and the Augusta Utilities Department (AUD), for McCoys Creek Subdivision and have Walker Hills obtain potable water from Columbia County.

Recommendation:	Approve the motion to approve a cost share agreement between Walker Hills, LLC and the Augusta Utilities Department (AUD), for McCoys Creek Subdivision.
Funds are Available in the Following Accounts:	N/A

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

STATE OF GEORGIA)
COUNTY OF RICHMOND) COST SHARING AGREEMENT

THIS Agreement, made the ____ day of _____________, 2011, by and between Walker Hills, LLC, a limited liability company established under the laws of the State of Georgia, hereinafter referred to as "DEVELOPER," and Augusta-Richmond County, a political subdivision of the State of Georgia, by and through its Utilities Department (AUD), as party of the second part, hereinafter referred to as "AUGUSTA":

WITNESSETH

WHEREAS DEVELOPER owns certain tracts of property located in Augusta-Richmond County, Georgia, known now, or formerly, as: 078-0-003-00-0, 078-0-003-02-0, 078-0-015-00-0, 078-0-014-00-0, 078-0-013-00-0, 078-0-012-00-0, 078-0-011-00-0, 078-0-010-00-0, 078-0-009-00-0, 078-0-008-00-0, 078-0-007-00-0; and

WHEREAS DEVELOPER wishes to construct a subdivision development, namely McCoys Creek Subdivision, Section 1; and

WHEREAS it is to the benefit of both parties to: (1) extend a 16-inch water main that will serve DEVELOPER'S properties as well as other properties in the area; and (2) construct the control panel for a sanitary sewer lift station, which will serve the development;

WHEREAS AUGUSTA, has agreed to construct the water main and sanitary sewer lift station control panel and DEVELOPER has agreed to reimburse AUGUSTA a portion of the construction costs, as stated in Section B of this document;

NOW THEREFORE, DEVELOPER and AUGUSTA hereby enter into the following agreement:

A. <u>PROJECT SCOPE:</u>

AUGUSTA will cause a 16-inch diameter water main to be constructed from Fort Gordon's Gate 3, across the Gordon Highway right-of-way and onto the property of the Developer, as shown on Sheet 12 of 27, on a Grading and Utilities Plan for McCoys

Creek, Section 1, prepared by James G. Swift and Associates, dated April 2, 2011, revised May 15, 2011, attached hereto, and to which reference is hereby made.

AUGUSTA will also cause a sanitary sewer lift station control panel to be constructed and installed, in the lift station being constructed by DEVELOPER, for the McCoy Creek, Section 1 project.

Said construction, shall be constructed consistent with the applicable AUD, AWWA, IFPA codes, Georgia Plumbing codes and any other standards, regulations and requirements pertinent to water mains, and pass all required and recommended testing.

B. DEVELOPER'S SHARE OF PROJECT COSTS AND PAYMENT:

1. Prior to construction start by AUGUSTA, DEVELOPER will execute all necessary documents, to donate utility easements to AUGUSTA, on the following properties: 078-0-003-00-0, 078-0-003-02-0, 078-0-015-00-0, 078-0-014-00-0, 078-0-013-00-0, 078-0-012-00-0, 078-0-011-00-0, 078-0-010-00-0, 078-0-009-00-0, 078-0-008-00-0, 078-0-007-00-0. Said easements will consist of a 20' (twenty feet) permanent exclusive easement, running across each property and being contiguous with the northern edge of the Gordon Highway right-of-way. Also included will be a 10' (ten feet) temporary construction easement running contiguously with the northern boundary of all of the permanent easements. Said easements are indicated with crosshatching on the Grading and Utilities Plan Sheet described in Section A of this document.

2. Upon the completion of construction on the water main, AUD will perform a final inspection to determine that said water main has been constructed to all applicable Standards, Specifications and Codes, and that said water main has passed all required and recommended testing. If AUD determines that said water main is acceptable to AUGUSTA, a final inspection report will be forwarded to DEVELOPER, along with an invoice for the amount of fifteen thousand six hundred and seventy-five dollars ($15,675). Payment from DEVELOPER will be required within thirty (30) days of the date of the invoice.

3. Upon the completion of construction, installation and testing of the sanitary sewer lift station control panel, AUD will forward an invoice for the amount of twenty six thousand two hundred and forty-five dollars ($26,245). Payment from DEVELOPER will be required within thirty (30) days of the date of the invoice.

C. STIPULATIONS:

Both parties understand and agree to the following:

This agreement is contingent upon the Augusta Commission approval of the overall project and the Cost Sharing Agreement.

The terms "DEVELOPER" and "AUGUSTA" as used herein shall be deemed to mean their respective heirs, successors and assigns, and this Agreement shall inure to the benefit of and be binding upon DEVELOPER and AUGUSTA and their respective heirs, successors and assigns.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and their seals on the day and year above first written.

Signed, sealed and delivered in the presence of:

WALKER HILL, LLC

___________________________ By: _____________________________

WITNESS Larry S. Prather

As Its: __________________________

____

NOTARY PUBLIC

_____________ County, State of ___________

My Commission Expires: _____________

[NOTARY SEAL]

(signatures continued on next page)

AUGUSTA-RICHMOND, GEORGIA

______________________________ By: ______________________________

WITNESS
David S. Copenhaver
Mayor

Attest: ______________________________
Lena J. Bonner
As Its: Clerk of Commission

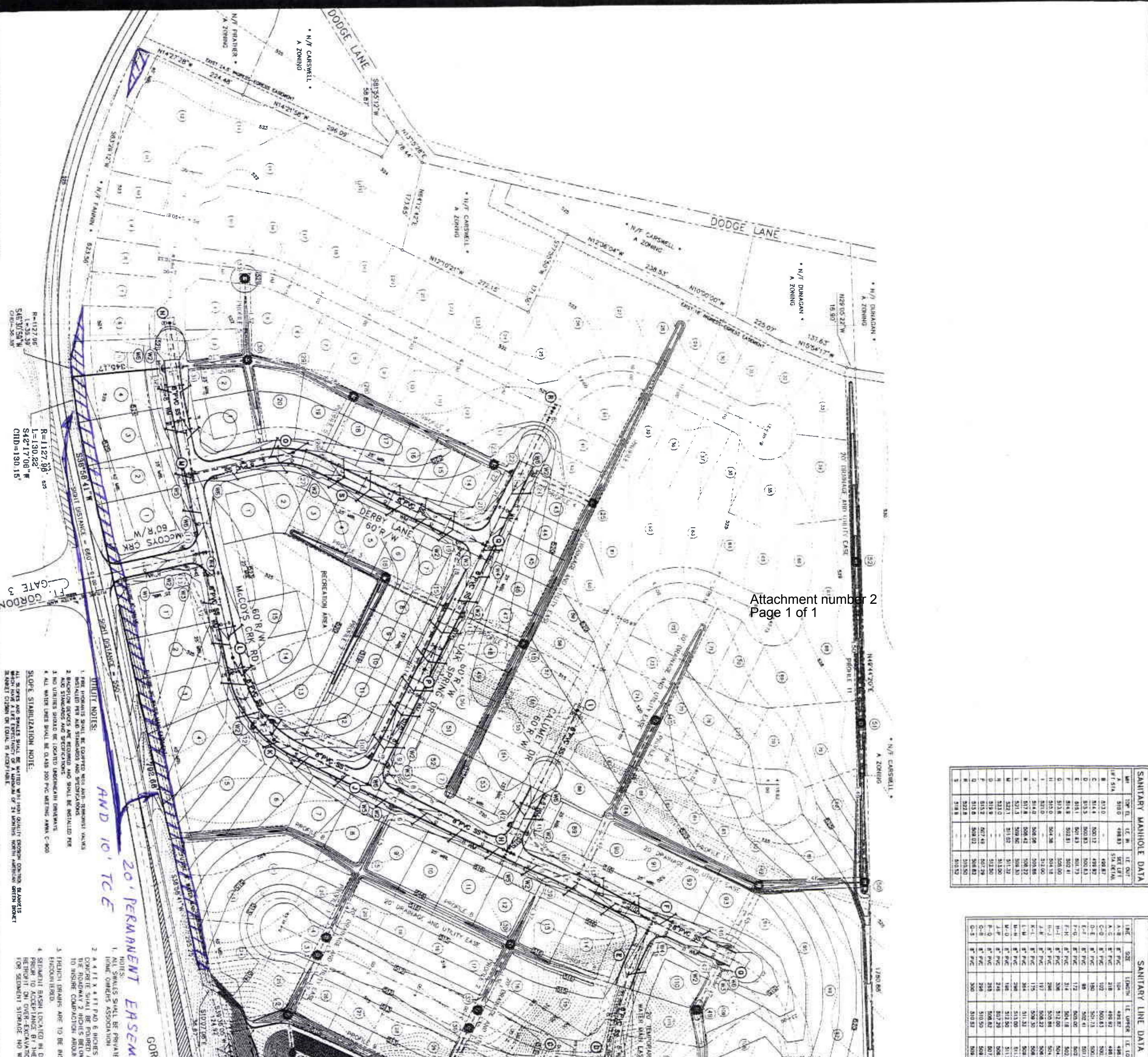
____

NOTARY PUBLIC
Richmond County, State of Georgia

My Commission Expires: ____________________

(SEAL)

Attachment number 2
Page 1 of 1



Engineering Services Committee Meeting
8/29/2011 12:55 PM
Purchase a replacement gearbox for the #4 raw water turbine and pump at the Goodrich Street Raw Water Pumping Station

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Department:	Utilities
Caption:	Approve the purchase a replacement gearbox for the #4 raw water turbine and pump at the Goodrich Street Raw Water Pumping Station.
Background:	The #4 turbine and pump at the Goodrich Street Raw Water Pumping Station was installed in 1974 and is our most productive pump which provides over 22 million gallons of water per day to the Highland Avenue Water Treatment Plant. Failure of this unit creates an emergency situation relating to our ability to transfer sufficient water from the canal to the Highland Avenue Water Treatment Plant. We recently experienced a failure in the gearbox which transfers power from the turbine to the pump. During the repair of the gearbox we discovered that a portion of the casing is in need of repair to insure system reliability. These repairs were anticipated to take about 16 weeks to complete and the #4 unit would need to be out of service for that period. We elected to place the unit back in service and seek to purchase a replacement gearbox. This will allow us to continue to operate the existing unit until a new unit can be installed. Since we have the potential for an emergency situation to develop quickly, we requested quotations for an exact replacement unit from the factory authorized service agent (Prager) and two local equipment distributors (Bearings & Drives and Motion Industries). Our intention is that Prager would install the new unit regardless of where it is purchased. A summary of the quotations received is attached.
Analysis:	The lowest quotation for the purchase of the unit is from Motion Industries at a cost of $140,378.28 however they offer a 26-28 week delivery. The Prager quotation is for $145,067.33 but they offer a 14-16 week delivery. This turbine and pump is a critical portion of our system to deliver drinking water to the community and we would like to replace the gearbox as soon as possible to avoid an emergency situation and increase operational reliability of the system. The Prager proposal is for delivery approximately 3 months sooner than the Motion Industries proposal. While the cost

of the equipment is slightly higher from Prager we believe that difference is more than offset by the shorter delivery period. Prager has also provided a field service estimate for delivery and installation of the unit for $13,963.00. Once the new gearbox is installed the existing gearbox will be repaired and maintained as a spare.

Financial Impact:	This critical operational component is in need of replacement as quickly as possible. The total cost of the recommended alternative is $159,030.33 from budget item 506043510-5425110.
Alternatives:	1) Purchase from the lower cost supplier and increase the risk of system failure resulting in an emergency situation by running the current unit an additional three months. 2) Reject the quotations and begin a formal bid process for the procurement of a new gearbox.
Recommendation:	Approve the purchase of the replacement gearbox from Prager at an installed price of $159,030.33 and a delivery of 14-16 weeks. This option minimizes the risk of a critical failure which would result in an emergency situation.
Funds are Available in the Following Accounts:	Funds for this purchase are available in budget item 506043510-5425110.

REVIEWED AND APPROVED BY:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

Quotations for Replacement Falk Gearbox
For Goodrich St RWPS #4 Trubine

Vendor	Gearbox Purchase Cost	Delivery
Bearings & Drives	$165,600.00	26-28 Weeks
Motion Industries	$140,378.28	26-28 Weeks
Prager	$145,067.33	14-16 Weeks

QUOTATION

Page 1

Simco Technologies*Bearings & Drives
1804 Carmichael Road
Augusta, GA 30906
Phone: 706-790-5554
FAX: 706-798-8427

Serving Industry Since 1947

Sold To:
AUGUSTA RICHMOND COUNTY UTILIT
ATTN: A/P
2760 PEACH ORCHARD RD
AUGUSTA GA 30906-2408

Ship To:
AUGUSTA RICHMOND COUNTY UTILIT
2760 PEACH ORCHARD RD
ATTN: CHRIS JOHNSON
AUGUSTA GA 30906-2408

08 08

Date 07/01/11
Time 11:20:12

Customer PO: CHRIS - FALK **Req Ship:** 07/01/11 ** QUOTATION **

Co/Cust No	Order No	Ter	Sls Rep	Ship Via	Ref#
05/0000807696	AX234/00	AL	01290	UPS FRT FLATBED	

Terms: NET 30

Item Number/Description	U/M	Ordered	Price	Total
FAK-PT	EA	1.000	165,600.00000 EA	
FALK GEAR BOX MO # 7-465832				165,600.00
1160YFN1-S				
PUMP & COOLER OBSOLETE, QUOTING NEW UNIT LESS PC				
MACHINED TO ACCEPT EXIASTING PC				
DELIVERY IS 26-28 WEEKS, UPS FLATBED				
EST FRT IS $2,695.00. THANKS, AMY				
/1				
FREIGHT OUT - ESTIMATED				2,695.00
UPS FLATBED				

Subtotal	168,295.00
Sales Tax	
Order Total	168,295.00
Amt Due	168,295.00

ARAHN

Total Line Items 1 This Quotation Expires 07/15/11 * COMPLETE *

Item # 10

MOTION INDUSTRIES

Quotation

Motion Industries, Inc
1247 GORDON PK RD
AUGUSTA GA 30901
PHONE : 706-724-7401
FAX : 706-722-6310

Date: 07/14/11

Note: This estimate is valid for 30 days from the date shown above. Prices quoted are for quantities shown. Stock is subject to prior sale. MTO quantities considered complete 10% under/over unless noted.

To:

AUGUSTA RICHMOND CTY UTIL
GOODRICH ST EXT
AUGUSTA, GA 30901

Quote Number: GA21-282335
Customer P.O.:
F.O.B.:
Quote Sent By: GARY BRYANT
Terms: 1% 10&25thNET 30
Delivery: STOCK UNLESS NOTED

Description	Manufacturer	Quantity	Unit	Unit Price	Amount
1160YF1-S 4.088:1	FALK	1	EA	$140,378.280	$140,378.28

DELIVERY DATE:

QUOTE INCLUDES GEARBOX #1160Y1F-S WITH UPDATED 230PC PUMP AND COOLER ASSEMBLY, 1050G20 HS COUPLING AND 1080G20 LS COUPLING BOTH COUPLINGS BORED

FREIGHT IS ESTIMATED AT $1,000

DELIVERY IS 26-28 WEEKS AFTER RECEIPT OF ORDER

3 YEAR WARRANTY

SUB TOTAL: $140,378.28

TOTAL: $140,378.28

Please reference the quote number at the top of page when ordering

Want to view inventory and place orders on-line? MotionIndustries.com can meet your needs. Register On-line at www.MotionIndustries.com.

FALK RENEW PRAGER

181 Riverbend Blvd.
St. Rose, LA 70087
USA
Tel: 504-461-9400
Fax: 504-461-9393
http://www.pragergear.com

Monday, June 13, 2011

To:	L Kelly Augusta Utility Augusta, Ga	RFQ #:	Verbal
		Quote #: AO #:	0455915181T_C Please refer to this number when ordering
Phone:			
Fax:			
E-mail:			

PRICE QUOTE

Item	Description	Qty	Unit Price	Subtotal
1.00	Falk 1160YFN1 Ratio 4.088:1 Unit rates 3,085 Mechanical Horsepower with a input speed of 240RPM and an output speed of 981.1 Rpm Service Factor: 1.31. Unit will be a drop in replacement for the existing unit and will not require any modifications what so ever. Existing pump and cooler assembly will be able to be utilized with the proposed reducer without any type of rework to the foundation or the movement of any electrical conduit. UNIT COMES WITH A 3 YEAR WARRANTY. Falk 1050G20 half gear coupling for high speed shaft (Bored 5.5") Falk 1080G20 Half Gear coupling for low speed shaft (Bored 8.5")	1 Ea	$145,067.33	$145,067.33
			Grand Total	**$145,067.33**

Terms & Conditions	
Proposed Shipping Date 14-16Weeks After Receiving Order	**Payment Terms**
Shipping Method	**Shipping Terms** Prepaid and Added to Invoice
F.O.B. Warehouse	This Quotation is valid until 7/13/2011.

Freight Not Included in this Quote.

Item # 10

Engineering Services Committee Meeting
8/29/2011 12:55 PM
SOLO Camera Purchase

Department:	Utilities
Caption:	Approve purchase of 4 SOLO Robotic cameras from RedZone Robotics, Inc. in the amount of $152,000.
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. During this evaluation, the camera proved to be much more efficient than any camera device currently owned by the city, and more efficient and effective than any camera system known to exist today for the purpose of videoing and evaluating sewer lines. AUD sees the SOLO Robotic camera as an essential tool that will greatly aid AUD in its effort to evaluate the entire system over a relatively short timeframe.
Analysis:	Currently AUD has two camera trucks and 3 fulltime employees dedicated to operating these trucks and the associated camera equipment. One of the cameras is inoperable and will not be repaired. We will keep the other to use in easily accessible places, like streets. The evaluation period that was conducted in May showed that the SOLO camera had the potential to equip AUD staff to televise the sewer lines much more efficiently in the future as well as increasing the ability of the staff to camera "more difficult" lines than the existing cameras are unable to televise. The cameras will save money by imporving efficiency and allowing us to perform predictive maintenance in areas we currently cannot. This will also enable us to comply with the EPD requirement that we evaluate all our sewers on a 5-year cycle.
Financial Impact:	Funds are available in the operating fund 506043410-5424510.
Alternatives:	None Recommended.

Recommendation:	It is recommended to approve Purchase of 4 SOLO Robotic cameras from RedZone Robotics, Inc. in the amount of $152,000.
Funds are Available in the Following Accounts:	506043410-5424510

<u>REVIEWED AND APPROVED BY</u>:

Finance.
Procurement.
Law.
Administrator.
Clerk of Commission

Augusta
GEORGIA

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

Vendor: RedZone Robotics Commodity: Automated Inspection Platform Camera

Estimated annual expenditure for the above commodity or service: $ 152,000

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).

X 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.)

X 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: Tom Wiedmeier Department: Utilities

Date: 07/28/11 Department Head Signature: Tom D. Wiedmeier

Approval Authority: Date: 8/2/11

COMMENTS: See memo

Augusta
GEORGIA

UTILITIES DEPARTMENT

Tom D. Wiedmeier, PE
Director

Date: August 2, 2011
From: Tom Wiedmeier tdw
To: Geri Sams, Procurement Director
Re: Solo Camera Sole Source Information

The RedZone SOLO camera that AUD desires to acquire is unique, and the service it will provide the city cannot be obtained with any other product or combination of products.

The SOLO camera operates completely on its own after being placed into the collection through a manhole. The employee is free to place subsequent cameras into other manholes while the first camera moves through the collection line on its own. As each camera moves through the separate collection lines, it videos and records the pipe conditions until it reaches the next manhole. Upon reaching the next manhole the camera backs up and returns to the manhole where it started and waits to be retrieved by the employee. The employee can dispatch multiple cameras simultaneously and retrieve each camera as they are able.

This system allows for much quicker and efficient video analysis than AUD has ever been able to achieve previously. AUD is looking for this system to go a long way in aiding the requirements to evaluate the city's entire collection system within five years of July 1st, 2011.

I am available to discuss this further at your convenience.

Augusta Utilities
360 Bay Street – Suite 180 – Augusta, GA 30901
(706) 312-4160 – Fax (706) 312-4123
www.augustaga.gov

July 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 robots. 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,

Glen A. Hill

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

RedZone® ROBOTICS

Proposal Date:	Expiration Date:
May 6, 2011	June 30, 2011

Prepared for:	Prepared by:
Jody Crabtree City of Augusta, GA 1840 Wylds Rd Augusta, GA 30909	Glen Hill, PE RedZone Robotics, Inc. 803-553-9234

Opportunity Name	Opportunity Number
GA City of Augusta Solo Purchase	Opp-102224

Proposal Type:
Budget Pricing – SPECIAL LIMITED TIME INTRODUCTORY OFFERING

General Description
Solo sale of robots and supporting equipment and services to a municipality/agency

RedZone Robotics, Inc. is pleased to submit this proposal for the above mentioned project. RedZone will provide products and/or services as presented in the schedule of values portion of this proposal.

Schedule of Values

SKU	Description	UOM	Unit count	Unit Price	Total Price
PRD-100	SOLO ROBOTS: Sale of SOLO Robots	Ea Robot	4	$38,000	$152,000
PRD-110	DEPLOYMENT TABLET PC: The rugged deployment Tablet will enable you to download PACP header data to the robot, launch the robot, manage deployed robots and review data immediately after inspection.	Ea	1	Included	Included
PRD-111	VAULT COMPUTER: The vault downloads all the data off the Solo robots automatically every night and transmits the data back to your ICOM software.	Ea	1	Included	Included
PRD-112	SUPPORT EQUIPMENT KIT: • Batteries (32) • Chargers (4) • Download cables (4) • Deployment pole (1) • Manhole hangers (5) • Tiger Tails (5) • Maintenance toolkit (1) • Lens domes (33 total: 8 installed plus 25 more) • Spare Tethers (8) • Pelican cases (3)	Ea	1	Included	Included
PRD-210	SOLO ROBOT AUTONOMY LICENSE: Autonomy software license for Solo robots purchased. This software enables the Solo robots to inspect complete pipe segments without any remote operation by the crew, while at all times maximizing inspection throughput and safe return of the robot to the insertion manhole	Ea License	4	Included	Included

91 43rd Street, Suite 250
Pittsburgh PA 15201
Phone 412.476.8980
Fax 412.476.8981
www.redzone.com

PRD-220	SOLO VAULT DATA-SYNC LICENSE: Solo vault software license for (1) Vault. This software streamlines download of all inspection data from each solo robot at the end of each work day. The transfer is done automatically as soon as the robots are connected without any intervention from the crew. Once downloaded to the vault, the robot	Ea License	1	Included	Included
PRD-230	SOLO DEPLOYMENT TABLET GUI LICENSE: A user friendly Graphical User Interface for setup and deployment of Solo robots. The crew can use this to enter PACP header data or select from a list of pre-populated runs, launch the robot and review inspection footage after a quick wireless download immediately after completion of the run. Crew can add comments and flag images for immediate review via email.	Ea License	1	Included	Included
SVCE-Tier1	SILVER LEVEL SERVICE: Covers service related matters not addressed in warranty, during warranty period, as per the terms of the Tier I Silver level service offering (see attachment)	Per Year Subscription	1 Year	Included	Included
SVCE-Sync4	PLATINUM LEVEL SYNCHRONIZED DIAGNOSTIC SERVICES: Includes 1 year subscription for following services: • Daily email with robot footage summary • Project based footage/performance information • Robot health based metrics info • Pipe debris info • Monthly project management summary	Per Year Subscription	1 Year	Included	Included
PRD-290	STANDARD 1 YEAR WARRANTY:	Per Year	1 Year	Included	Included
ICM-500	STANDARD TRAINING: 1 Day Setup and Training	Per Session	3	Included	Included

Payment Terms

50% upon signing, 50% upon delivery: Net 30 from invoice

Attachments:

- Warranty
- Extended maintenance and support options

Proposal Notes:

1. This is a limited time introductory offering that is extended based on availability.
2. This pricing does not include extended payment term municipal financing.
3. This pricing does not include any applicable taxes or state specific fees
4. The client is responsible for shipping fees
5. Warranty period commences at the date of receipt of Solo robots
6. Service matters during warranty period not covered in warranty language will be covered under terms of Tier I Silver service agreement unless otherwise indicated
7. Post-warranty services contracted at initial purchase agreement will be discounted 15%

91 43rd Street, Suite 250
Pittsburgh PA 15201
Phone 412.476.8980
Fax 412.476.8981
www.redzone.com

Thank you for your consideration of RedZone Robotics, Inc.

This proposal is intended solely for the consideration of the addressee.

Client signatures below will be regarded as an intent to contract pending formal approvals

Signature:____
Name: ____
Title:____
Date:____

91 43rd Street, Suite 250
Pittsburgh PA 15201
Phone 412.476.8980
Fax 412.476.8981
www.redzone.com

WARRANTY AND SUPPORT

Support

Telephone support Monday through Friday, 8AM to 5PM EST

Standard Hardware Warranty

REDZONE ROBOTICS INC. ("REDZONE") warrants that all Solo Robots manufactured by REDZONE shall be free from defects in material and workmanship under normal use and service for which it was intended for a period of twelve (12) months from the date of shipment of materials by REDZONE to the purchaser. REDZONE's obligation under this warranty is limited, at REDZONE's option, to repairing or replacing, free of charge, any defective materials returned, subject to the following conditions:

> A single Solo Robot may be returned for factory warranty service a maximum of four (4) times during the warranty period. All parts (some exclusions apply*), labor and return freight (FedEx Standard Overnight service), from the REDZONE designated service facility, are included free of charge.
>
> For services beyond the 4th factory service, only defective parts & labor, exclusive of wear parts are covered, free of charge, under warranty replacement. For replacement of wear parts, labor will be billed at 8 hours minimum at $90/hr. Wear parts will be replaced at list prices. Return freight (FedEx Standard Overnight service) will be included for non-wear part warranty service.

For all warranty claims, the materials must be returned in accordance with REDZONE Material Return Policy.

Deployment equipment, such as deployment computer, batteries, battery chargers, etc., furnished, but not manufactured by REDZONE, will be covered only under the warranty of the third party manufacturer of such equipment. Expendable parts, such as tether, lens domes, LED domes, straps, etc., are excluded from this warranty.

Purchaser must notify REDZONE of a breach of warranty not later than the last day of the warranty period; otherwise, such claims shall be deemed waived.

REDZONE does not warrant the materials to meet the requirements of the safety codes of any federal, state, municipal or other governmental or administrative jurisdiction. Purchaser assumes all risk and liability whatsoever resulting from the use of its products, whether used singly or in combination with other products, machines or equipment.

This Warranty shall not apply to any materials, or parts thereof, which have; (a) been repaired or altered by anyone other than REDZONE without REDZONE's written consent; (b) been subject to misuse, abuse, negligence, accident, or damage; (c) not been installed or operated in accordance with REDZONE's printed instructions, or; (d) been operated under conditions exceeding or more severe than those set forth in the specifications of design tolerance of the equipment.

THIS WARRANTY AND THE OBLIGATION AND LIABILITIES OF REDZONE HEREUNDER ARE EXCLUSIVE AND IN LIEU OF (AND PURCHASER HEREBY WAIVES) ALL OTHER WARRANTIES, GUARANTEES, REPRESENTATIONS, OBLIGATIONS, OR LIABILITIES, EXPRESSED OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS WHETHER OR NOT OCCASIONED BY REDZONE'S NEGLIGENCE.

REDZONE SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING, DIRECTLY OR INDIRECTLY, FROM THE USE OR LOSS OF USE OF THE MATERIALS, OR FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, ECONOMIC LOSSES, LOSS OF PROFITS, LOSS OF BUSINESS, OR LOSS OF BUSINESS OPPORTUNITY. Without limiting the generality of the foregoing, this exclusion from liability embraces Purchaser's expenses for downtime or for making up downtime, damages to property, and injury to or death of any persons.

REDZONE neither assumes nor authorizes any person (including employees, agents, or representatives of REDZONE) to assume for it any other liability, guarantee, or warranty in connection with the sale or use of the materials, and no oral agreements, warranties, or understandings exist collateral to or affecting this warranty.

This warranty shall not be extended, altered, modified, or waived except by a written instrument signed by REDZONE.

* Part Exclusions
100-3383-01 Tether Passive Guide, 100-3384-01 Tether Passive Outlet, 100-3385-01 Encoder Drum, 100-3514-01 Tether, 200-0044-01 Studded Drive Pulley, 200-0086-01 Tracks, 200-0109-01 Levelwind Axel, 200-0110-01 Levelwind Carriage

91 43rd Street, Suite 250
Pittsburgh PA 15201
Phone 412.476.8980
Fax 412.476.8981
www.redzone.com

RedZone® ROBOTICS

POST WARRANTY SUPPORT OPTIONS:

Solo 2011 Introductory Post Warranty Bundles and Pricing Schedule

		No Contract	Tier I Silver	Tier II Gold	Tier III Platinum
1	Contract Pricing	No annual fee	$4,000 Annual / robot	$8,000 Annual / robot	$12,000 Annual / robot
2	Contract Reinstatement Fee if coverage lapses, or no prior coverage	$4,000 / robot			
3	Preventive Maintenance (Incl. all parts except wear parts, labor, return ground shipping). Preventative Maintenance Services do not cover repair of damage to robots that has	None	2 / robot /yr	4 / robot / yr	Unlimited
4	Unscheduled Maintenance (Incl. labor, return ground shipping)	None	1 / robot / yr	2 / robot / yr	Unlimited
5	Parts Discount	Spare Parts @ List Price	5% Discount off List	10% Discount off List	15% Discount off List
6	Labor Rate for Repairs / hr	$100 / hr	$95 / hr	$90 / hr	$90 / hr
7	Phone Support Included (Hardware & Robot Software, Not ICOM instance)	None	10 hrs / robot / yr	20 hrs / robot / yr	Unlimited
8	Phone Support Rate	$50 First Hour Minimum + $25 / hr	50% Discount	50% Discount	50% Discount
9	Consumable parts kit (Lens domes, tether spools)	None	1 Kit / robot / yr	1 Kit / robot / yr	1 Kit / robot / yr
10	Synchronized Diagnostic Services	Daily email with robot footage info	+ Project based footage info	+ Robot health based info	+ Pipe debris info + Monthly Proj Mgt Summary
11	Software Updates (Vault, Remote, Robot, ICOM3 Contractor)	$ 1000 / robot / yr	Included	Included	Included
12	Reporting Service /ft option	35 cents / ft	25 cents / ft	20 cents / ft	18 cents / ft
13	Professional Services /hr (GIS import, Custom imports / exports)	$150 / hr	$135 / hr	$120 / hr	$110 / hr

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Engineering Services Committee Meeting
8/29/2011 12:55 PM
SPLOST Projects

Department: Clerk of Commission

Caption: A request from the Administrator for a report on the status of all SPLOST I through VI projects. (Requested by Commissioner Lockett)

Background:

Analysis:

Financial Impact:

Alternatives:

Recommendation:

Funds are Available in the Following Accounts:

<u>REVIEWED AND APPROVED BY</u>:

Augusta
GEORGIA

Engineering Services Committee Meeting
8/29/2011 12:55 PM
Status Report

Department: Clerk of Commission

Caption: Receive status report from Heery International regarding Capital Projects. (Requested by Commissioner Avin Mason)

Background:

Analysis:

Financial Impact:

Alternatives:

Recommendation:

Funds are Available in the Following Accounts:

REVIEWED AND APPROVED BY:

Engineering Services Committee Meeting
8/29/2011 12:55 PM
The First Tee of Augusta

Department:	Clerk of Commission
Caption:	Consider a request from The First Tee of Augusta regarding an adjustment of their monthly water rate. (Requested by the Utilities Department)
Background:	
Analysis:	
Financial Impact:	
Alternatives:	
Recommendation:	
Funds are Available in the Following Accounts:	

<u>REVIEWED AND APPROVED BY</u>:

The First Tee®
Augusta

Fore! Augusta Foundation

3165 Damascus Road
Augusta, GA 30909-4035

P. O. Box 3643
Augusta, GA 30914-3643

(706) 364-4653
(706) 364-4655 Fax
www.thefirstteeaugusta.org

July 27, 2011

Received
AUG 2011
Mayor's Office

Mayor Deke Copenhaver
The City of Augusta
530 Greene Street
Augusta, GA 30901

Dear Mayor Copenhaver,

We need your help. The First Tee of Augusta is a non-profit youth development program that has been providing top quality, affordable junior golf and life skills programming to the youth of the CSRA for over ten years. We currently enroll over 900 students per year in our program. Each student participates in at least 8-weeks of golf and life skills classes which teach and reinforce interpersonal, self-management, and resiliency skills, facing challenges, conflict resolution and goal setting. They also receive affordable golf course access, 50¢/bucket range balls and $1.00 rounds of golf for the year. Several hundred more students participate in our summer camps and free outreach clinics through partnerships with other local youth serving organizations.

We are very proud of the positive impact The First Tee of Augusta is having on our youth. Despite the positive effects of our program, the cost of maintaining the infrastructure to support our programming needs and provide a safe environment for our youth continues to increase. Our typical water expense for the golf course ranges from ~$15,000 to ~$20,000 annually. That is the equivalent of funding the Annual Fees for ~ 265 students to participate in our program for a full year.

We are asking for your support by approving the adjustment of our water expense to a monthly rate comparable to rate of ~$145/month currently paid by the Augusta Municipal Golf Course and Forest Hills Golf Club. Ideally, as a 6-hole course, we would like to prorate the rate to $50/month. This adjustment would not only be a significant cost savings to our organization, but a great investment in the future of our youth. Your consideration of this request would be greatly appreciated.

Best Regards,

Jill S. Brown
Executive Director
The First Tee of Augusta

Rick W. Allen

Rick Allen
Board Chairman
FORE! Augusta Foundation