



John E. Manning
District One

Cecil L. Pendergrass
District Two

Larry Kiker
District Three

Tammy Hall
District Four

Frank Mann
District Five

Roger Desjarlais
County Manager

Andrea Fraser
Acting County Attorney

Laura Belflower
Acting County Hearing
Examiner

August 5, 2013
SOLICITATION NO.: RFQ130310

McKim & Creed PA
Tim Baldwin
1365 Hamlet Avenue
Clearwater FL 33756

SUBJECT: CONTROL, TELEMETRY, SECURITY & SCADA INTEGRATION SERVICES

ENCLOSURE (1): Executed copy of Agreement

Dear Mr. Baldwin:

Enclosed is your executed copy of the Construction Manager Agreement for the above-referenced project.

The contract number for this project is **6452**. This contract number will also serve as your Purchase Order Number for this project and **must** be on all invoice statements.

If you should have any questions, please contact our office at the above number.

Sincerely,
PROCUREMENT MANAGEMENT

Diana Khan
Office Manager

C: Doug Meyers, Project Manager, Utilities
Kristin Miller, Utilities Fiscal,

PART E
LEE COUNTY CONSTRUCTION CONTRACT
AGREEMENT FORM

Contract No. 6452
Board Award Date: 6/18/13

AGREEMENT

made as of the 18th day of June in year of 2013
BETWEEN the COUNTY: Board of County Commissioners, Lee County, Florida
and the CONTRACTOR:

Mckim & Creed, Inc.
John Valosky
1365 Hamlet Avenue
Clearwater, FL 33756
P: 727.442.7196 F: 727.461.3827
jvalosky@mckimcreed.com

Check Appropriate Line:
 Individual
 Partnership
 Incorporated in the
State of

in consideration of the mutual covenants herein set forth, agree as follows:

ARTICLE 1. WORK

The CONTRACTOR shall perform all the work required by the Contract Documents:

Scope of work: SCADA contractors or systems integrators to provide various repairs, services and new installations. work will be performed at the water and Wastewater Plants as well as remote sites that are part of the plant's operations.

in full accordance with the drawings and as elaborated in the specifications.

PROJECT NAME: RFQ130310 CONTROL, TELEMETRY, SECURITY AND SCADA INTEGRATION SERVICES

LOCATION: Lee County, Florida

ARTICLE 2. AMOUNT OF CONTRACT

2.1 The COUNTY shall pay the CONTRACTOR in current funds for the performance of the work, subject to additions and deductions by Change Order as provided in the Contract Documents, the sum specified by each project received under this Contract.

CONSTRUCTION CONTRACT
ARTICLE 3. PROGRESS PAYMENTS

Based upon Applications for payment submitted to the OWNER'S Representative by the CONTRACTOR, and Certificates for Payment issued by the OWNER'S Representative, the COUNTY shall make progress payments on account of the Contract Price to the CONTRACTOR as provided in the Contract Documents as follows:

3.1 Not later than fifteen (15) calendar days following the approval of an Application for payment, ninety percent (90%) of the portion of the Contract Price properly allocated to labor, materials and equipment incorporated in the work and ninety percent (90%) of the portion of the Contract Price properly allocated to materials and equipment suitably stored at the site or at some other location agreed upon in writing, for the period covered by the application for payment, less the aggregate of previous payments made by the COUNTY.

3.1.1 At the discretion of the project manager, department director and final authorization by the Public Works Director, once the project reaches 50% completion and the County is holding 5% of the total contract amount, no further retainage may be withheld from the subsequent monthly invoices, provided however, that the project is on schedule. At any time the project falls behind schedule, the County retains the exclusive right to revert back to the original contract terms, by withholding the full 10% retainage, until the project is back on schedule or the project is completed.

3.2 Upon final completion of the work and acceptance of the project, a sum sufficient to increase the total payments to one hundred percent (100%) of the Contract Price, less such amounts as the COUNTY shall determine for all incomplete work, unsettled claims or unused units as provided in the Contract Documents.

ARTICLE 4. CONTRACT DOCUMENTS

This Contract entered into this date by the Lee County Board of County Commissioners and the CONTRACTOR. WITNESSETH that the parties hereto do mutually agree as follows:

The CONTRACTOR shall furnish all labor, equipment, and materials and perform the work above described for the amount stated above in strict accordance with the General Conditions, Supplementary Conditions, Plans and Specifications and other Contract Documents, all of which are made a part hereof as if attached and enumerated as follows:

4.1 Lee County Request for Bids/Project Manual Titled: CONTROL, TELEMETRY, SECURITY AND SCADA INTEGRATION SERVICES

DATED: March 8, 2013

4.1.1 Contractors Proposal Dated April 9, 2013, ATTACHED AS EXHIBIT "A"

4.1.2 Contractors Bid Proposal for each project received.

4.2 Project Drawings consisting of the following sheets listed by title and date: As provided to the Contractor by the Project Manager

CONSTRUCTION CONTRACT
ARTICLE 4. CONTRACT DOCUMENTS (Continued)

4.3 Public Payment and Performance Bond (if Applicable)

4.4 Certificate of Insurance

4.5 Notice of Award

4.6 Addenda: Number One dated March 26, 2013

4.7 Documentation submitted by the CONTRACTOR prior to the Notice of Award: None

4.8 The following which may be delivered or issued after the effective date of the Agreement and are not attached hereto: All written amendments and other documents amending, modifying or supplementing the Contract Documents.

ARTICLE 5. TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

5.1 Work to be started on the date specified in the Official Notice to Proceed.

5.2 Substantial completion shall be achieved not later than the number of days specified in the Proposal to the County Project Manager.

5.3 Final completion shall be achieved not later than the number of days specified in the Proposal to the County Project Manager.

Liquidated Damages:

5.4 The COUNTY and CONTRACTOR recognize that time is of the essence of this agreement and that the COUNTY will suffer financial loss if the work is not completed within the times specified in 5.2 and 5.3 above, plus any extensions thereof allowed by Change Order. They also recognize the delays, expense, and difficulties involved in proving in a legal proceeding the actual loss suffered by the COUNTY if the work is not completed on time. Accordingly, instead of requiring any such proof, COUNTY and CONTRACTOR agree that as Liquidated Damages for delay (but not as a penalty) the sum of dollars per day (To Be Determined Per Project) shall be deducted from monies due the CONTRACTOR or paid by the CONTRACTOR to the COUNTY for each calendar day that expires after the time specified for Substantial Completion and the project fails to reach Substantial Completion. The CONTRACTOR shall also be liable for any Actual Damages sustained by the COUNTY due to the CONTRACTOR'S failure to fully complete the work by the time agreed upon for Final Completion in the Contract Documents. Actual Damages may include, but not be limited to: costs related to supervision, inspection, rentals, testing, consulting fees, or lost productivity. The COUNTY shall have the right to deduct all damages due from the final payment request as well as retainage. However, prior to deducting liquidated damages, the COUNTY shall give the CONTRACTOR seven (7) calendar days notice prior to submitting the adjusted amount due to the Clerk for payment.

CMO:006(3 of 5)
REV: 03/18/04

CONSTRUCTION CONTRACT

ARTICLE 6. MISCELLANEOUS PROVISIONS

6.1 Final payments, constituting the entire unpaid balance of the Contract Price shall be paid by the COUNTY to the CONTRACTOR when the work has been completed, the Contract fully performed, and a final Certificate for Payment, form No. CMO:013, has been approved by the COUNTY.

6.2 Terms used in the Agreement which are defined in the General Conditions of the Contract (Part F of the Bid Documents) shall have the meaning designated in those conditions.

6.3 The COUNTY and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives to the other party hereto, his partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

6.4 The CONTRACTOR shall not assign or transfer any of its rights, benefits, or obligations, except for transfer that result from transfer or consolidation with a third party, without the prior written approval of the COUNTY. The CONTRACTOR shall have the right to employ other persons and/or firms to serve as sub-contractors in connection with the requirements of the Contract Documents.

6.5 The CONTRACTOR agrees through the signing of this agreement by an authorized party or agent that he shall hold harmless and defend the County of Lee and its agents and employees from all suits and action, including attorney's fees, and all cost of litigation and judgements of every name and description arising out of and incidental to the performance of this Contract Document or work performed thereunder, whether or not due to or caused by negligence of the COUNTY, excluding only the sole negligence of the COUNTY. This provision shall also pertain to any claims brought against the COUNTY by any employee of the CONTRACTOR, or sub-contractor(s), or anyone directly or indirectly employed by any of them. The CONTRACTOR'S obligation under this provision shall not be limited in any way to the agreed upon Contract Price as shown in this agreement or the CONTRACTOR'S limit of or lack of sufficient insurance protection.

CONSTRUCTION CONTRACT

In witness whereof, COUNTY and CONTRACTOR have signed this agreement in duplicate. One counterpart has been retained by the Clerk of the Board of County Commissioners, one to the Project Sponsoring Department, and one part each has been delivered to the Lee County Procurement Management, and the CONTRACTOR. All portions of the Contract Document have been signed or identified by COUNTY and CONTRACTOR, or by COUNTY'S CONSULTANT on their behalf.

Signed, sealed, and delivered in the presence of:

[Signature]
Secretary

McKim & Creed Inc
(Correct Name of Business)

BY: [Signature]

Sr Vice President
Title

Date: 22 July 2013

(Corporate Seal)

BOARD OF COUNTY COMMISSIONERS OF
LEE COUNTY, FLORIDA

ATTEST: Clerk of the Board

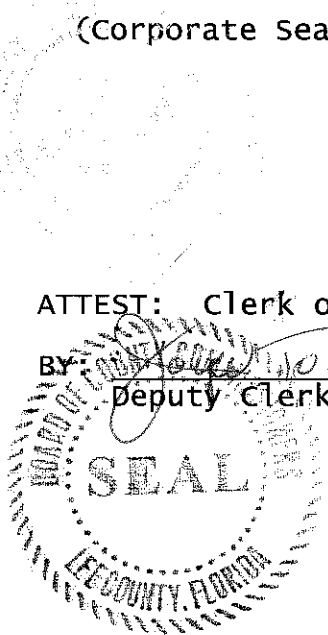
BY: [Signature]
Chair

BY: [Signature]
Deputy Clerk

Date: June 18, 2013

APPROVED AS TO FORM

BY: [Signature]
Assistant County Attorney



* The initial term of this contract is two years with the option to renew for up to three additional one year periods - as per the attached Lee County Blue Sheet No. 20130500

CERTIFICATE OF LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BB&T Insurance Services, Inc. Post Office Box 13941 Durham, NC 27709 919 281-4500	CONTACT NAME: PHONE (A/C, No., Ext): 919 281-4500		FAX (A/C, No): 8887468761
	E-MAIL ADDRESS:		
INSURED McKim and Creed Inc 1730 Varsity Dr Ste 500 Raleigh, NC 27606-2689	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Hartford Underwriters Insurance		30104
	INSURER B : Hartford Casualty Insurance Com		29424
	INSURER C : Sentinel Insurance Company, Ltd		11000
	INSURER D : Hartford Ins Co of the Midwest		37478
	INSURER E :		
INSURER F :			

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

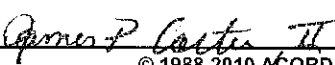
INSR LTR	TYPE OF INSURANCE	ADDITIONAL SUBROGATION	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY		22UUNNN0633	09/05/2012	09/05/2013	EACH OCCURRENCE	\$1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence)	\$300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person)	\$10,000
						PERSONAL & ADV INJURY	\$1,000,000
						GENERAL AGGREGATE	\$2,000,000
						PRODUCTS - COMP/OP AGG	\$2,000,000
							\$
D	AUTOMOBILE LIABILITY		22UENPG9685	09/05/2012	09/05/2013	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
	<input checked="" type="checkbox"/> ANY AUTO					BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
							\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR	22XHUNN5410	09/05/2012	09/05/2013	EACH OCCURRENCE	\$10,000,000
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$10,000,000
	<input type="checkbox"/> DED	<input checked="" type="checkbox"/> RETENTION \$10000					\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		22WBCF7186	09/05/2012	09/05/2013	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N				<input type="checkbox"/> OTHER	
	If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				E.L. EACH ACCIDENT	\$1,000,000
						E.L. DISEASE - EA EMPLOYEE	\$1,000,000
			E.L. DISEASE - POLICY LIMIT	\$1,000,000			

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

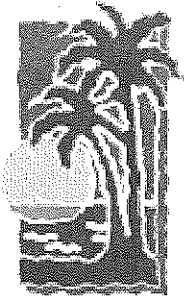
RE: Control, Telemetry, Security & Scada Integration Services Annual Contract
 Lee County, a political subdivision and Charter County of the State of Florida, its agents, employees, and public officials are additional insured on the General Liability if required by written/executed contract before a loss, including products and completed operations.

CERTIFICATE HOLDER

CANCELLATION

Lee County Board of County Commissioners P O Box 398 Fort Myers, FL 33902-0398	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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RFQ130310
Request for Qualifications

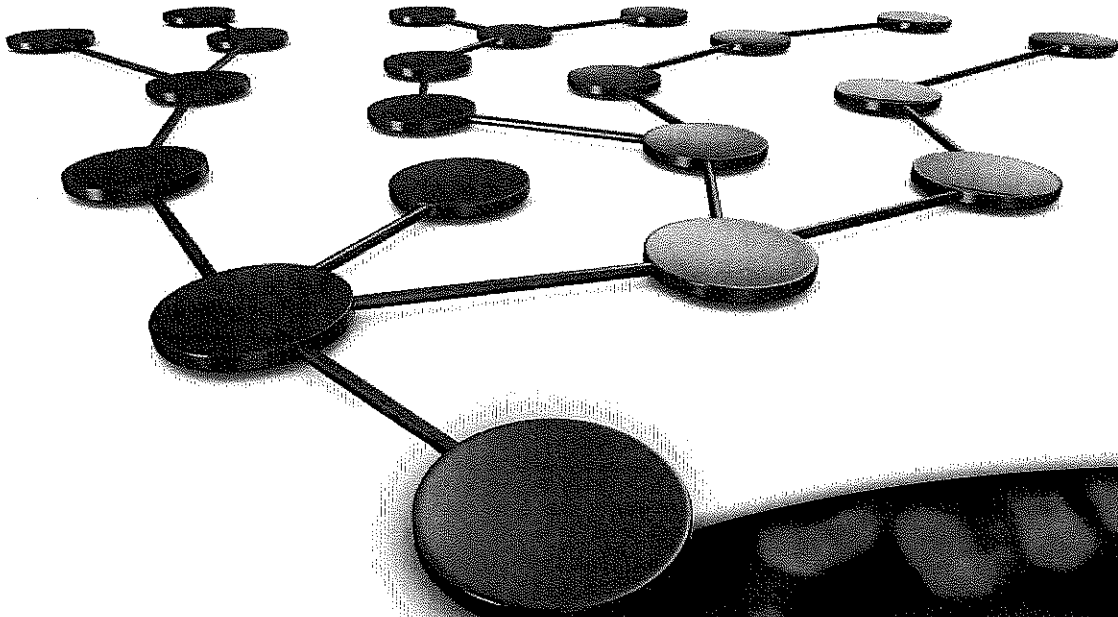
Control, Telemetry, Security and SCADA Integration Services

Submitted to:

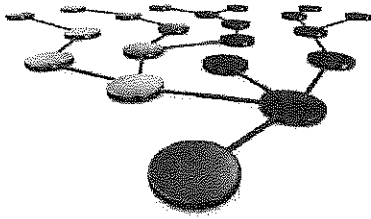
Lee County Procurement Mgmt.
1825 Hendry St.
3rd Floor
Ft. Myers, FL 33901

Submitted by:

 MCKIM&CREED
Mr. John A. Valosky
Automation Group Manager
McKim & Creed, Inc.
1365 Hamlet Avenue
Clearwater, FL 33756



ATTACHMENT A
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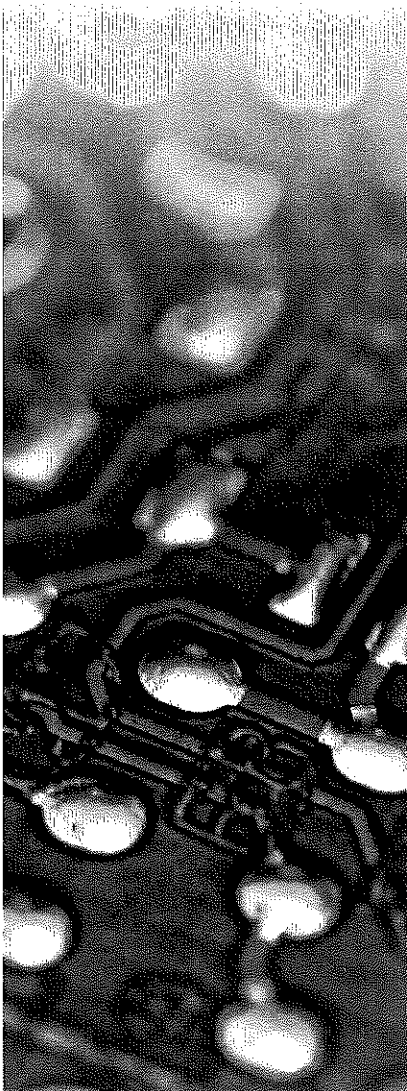
a. Three references 40

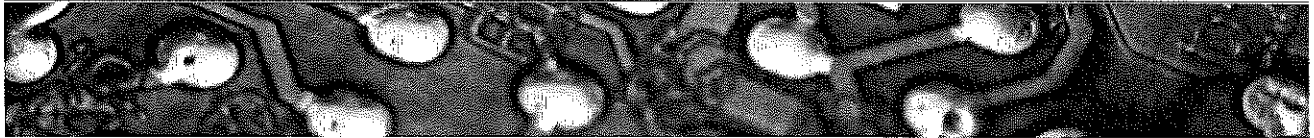
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Appendix - Required Forms

- Immigration
- Anti-Collusion Statement
- Bidders Check-List





Executive Summary

McKim & Creed, Inc. is pleased to respond to Lee County's request for qualifications. We submit to Lee County several organizational enhancements and skills within our Clearwater office which enables us to be responsive to Lee County's needs on an ongoing basis. We acknowledge and address several key requirements of Lee County's needs including:

Client Service Management Improvements

To provide a more attentive client planning environment for both current and planned projects, we are introducing Mr. John Valosky in a significant role. Mr. Valosky will assume the role of client services manager for Lee County. As such, periodic planned reviews will be conducted at Lee County's offices. Mr. Valosky currently manages the Automation Group in our Clearwater office which include engineering resources to be assigned to Lee County project support efforts.

Familiarity with Citect System

The project engineering and design staff within the McKim & Creed Clearwater office has significant experience with Citect system functionality and maintenance services including:

- System expansions and reconfiguration
- HMI display maintenance
- Database design and expansion
- Existing process design, improvement and implementation

As a specific example, these ongoing services are being performed at Manatee County with their Citect system.

PLC Programming Expertise

Our staff of engineers offers a deep skill-set for many PLC platforms, including those of interest to Lee County- Allen Bradley and Modicon.

Our staff can readily assist Lee County with any existing operation issues or complete redesign efforts. We also have strong expertise on total project integration issues including communication network and protocols necessary for a complete solution.

Communication Protocol and Network Experience

Lee County can utilize our expertise relative to network configuration, network security and advanced protocols with specific use of DNP3 and legacy protocols. In addition, we can offer assistance related to communication network design and site evaluation support.

Engineering Performance Versus the Competition

During Lee County's reference checks you will find we have an excellent reputation for our delivery services to our clients. This is most evident on several contracts where we were requested to "finish" or correct other vendor issues remaining.

System Planning – Needs Analysis Expertise

Also, McKim & Creed offers scheduled planning and needs analysis support. This initiative offers a current state analysis coupled with a longer term assessment to ensure planned activities are defined so the County can realize the best life cycle return on their control system investment.

High Level of Service Availability

The engineering support staff assigned to Lee County will engage on defined or planned events and tasks as well as providing "on-call" support for any immediate or emergency needs. We consider this complete system at Lee County as a mission of critical asset.



Advanced Modeling Expertise

In addition to the wide range of services relative to support of the CitectSCADA system and PLC's at Lee County, we would also like to inform you of system modeling services that are being utilized by several of our clients. An advanced modeling tool is coupled with significant model domain expertise enabling our clients to review static and dynamic system situations.

Excellent professional and technical support staff will provide Lee County with the resources and expertise required to install, repair or replace your telemetry instrumentation and related equipment/systems. Your primary contact for this contract and all subsequent tasks will be:

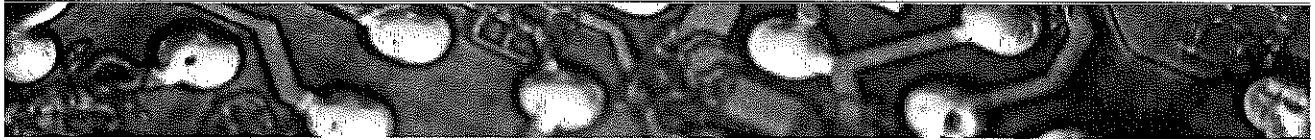
McKim & Creed, Inc.
Mr. John Valosky, Client Services Manager
Clearwater Office
1365 Hamlet Avenue
Clearwater, FL 33756
Phone: (727) 442-7196; Fax: (727) 461-3827
jvalosky@mckimcreed.com

We are anxious to begin what we envision to be a long term role in the support of the County Utilities Department and, collectively, solving the challenges facing the County. We hope you find this information complete and responsive to your request. Please do not hesitate to contact me if you have any questions or require additional information. We appreciate your consideration for the selection of this contract.

Respectfully submitted,
McKIM & CREED, INC.

A handwritten signature in black ink that reads "John A. Valosky". The signature is written in a cursive style with a large, stylized initial 'J'.

John Valosky
Client Services Manager



Criteria 1- Company Qualifications

a. Copy of Contractors License for Lee County (as applicable)

McKim & Creed, Inc., does not have a contractors license for Lee County and therefore is not providing this information.

b. Proof of insurance and policy limitations including Workman Compensation in the form of an insurance certificate.

Client#: 292011 80MCKIMCRE

ACORD™ CERTIFICATE OF LIABILITY INSURANCE		DATE (MMDDYYYY) 08/31/2012																					
<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p> <p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</p>																							
<p>PRODUCER BB&T Insurance Services, Inc. 3318 West Friendly Ave., Ste. 400 Greensboro, NC 27410</p>	<p>CONTACT NAME: Cyndy Cagle PHONE (A/C, No, Ext): 336 547-2137 FAX (A/C, No): 8888318409 EMAIL ADDRESS: ccagle@bhandt.com</p>	<p>INSURER(S) AFFORDING COVERAGE</p> <p>INSURER A: XL Specialty Insurance Company NAIC # 37885</p> <p>INSURER B:</p> <p>INSURER C:</p> <p>INSURER D:</p> <p>INSURER E:</p> <p>INSURER F:</p>																					
<p>INSURED McKim & Creed, Inc. 243 North Front Street Wilmington, NC 28401</p>																							
<p>COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:</p> <p>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>INSUR LTR</th> <th>TYPE OF INSURANCE</th> <th>INSURER</th> <th>POLICY NUMBER</th> <th>POLICY EFF (MMDDYYYY)</th> <th>POLICY EXP (MMDDYYYY)</th> <th>LIMITS</th> </tr> </thead> <tbody> <tr> <td></td> <td> GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO- <input type="checkbox"/> ACCT <input type="checkbox"/> LOC AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED: RETENTION \$ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe in DESCRIPTION OF OPERATIONS below </td> <td></td> <td></td> <td></td> <td></td> <td> EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (EA occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$ COMBINED SINGLE LIMIT (EA accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ EACH OCCURRENCE \$ AGGREGATE \$ \$ WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ </td> </tr> <tr> <td>A</td> <td>Professional Liability</td> <td></td> <td>DPR9702907</td> <td>09/05/2012</td> <td>09/05/2013</td> <td>\$5,000,000 Per Claim \$7,000,000 Aggregate</td> </tr> </tbody> </table> <p>DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required) If contract is awarded, contact the above Insured for a Certificate of Insurance</p>			INSUR LTR	TYPE OF INSURANCE	INSURER	POLICY NUMBER	POLICY EFF (MMDDYYYY)	POLICY EXP (MMDDYYYY)	LIMITS		GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO- <input type="checkbox"/> ACCT <input type="checkbox"/> LOC AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED: RETENTION \$ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe in DESCRIPTION OF OPERATIONS below					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (EA occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$ COMBINED SINGLE LIMIT (EA accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ EACH OCCURRENCE \$ AGGREGATE \$ \$ WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$	A	Professional Liability		DPR9702907	09/05/2012	09/05/2013	\$5,000,000 Per Claim \$7,000,000 Aggregate
INSUR LTR	TYPE OF INSURANCE	INSURER	POLICY NUMBER	POLICY EFF (MMDDYYYY)	POLICY EXP (MMDDYYYY)	LIMITS																	
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<p>CERTIFICATE HOLDER</p> <p style="text-align: center;">FOR PROPOSAL ONLY</p> <p>McKim & Creed, Inc. 243 North Front Street Wilmington, NC 28401</p>		<p>CANCELLATION</p> <p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p> <p>AUTHORIZED REPRESENTATIVE <i>Cynthia O. Cagle</i></p>																					



Client#: 216019 20MCKIMCRE

ACORD™ CERTIFICATE OF LIABILITY INSURANCE DATE (MMDDYYYY)
8/28/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BB&T Insurance Services, Inc. Post Office Box 13941 Durham, NC 27709 919 281-4500	CONTACT NAME: PHONE: 919 281-4500 FAX: 8887468761 E-MAIL: ADDRESS: INSURER(S) AFFORDING COVERAGE NAIC # INSURER A : Hartford Underwriters Insurance 30104 INSURER B : Hartford Casualty Insurance Com 29424 INSURER C : Hartford Ins Co of the Midwest 37478 INSURER D : INSURER E :
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INSURED
 McKim and Creed Inc
 1730 Varsity Dr Ste 500
 Raleigh, NC 27606-2689

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDITIONAL ISSR INFO	POLICY NUMBER	POLICY EFF (MMDDYYYY)	POLICY EXP (MMDDYYYY)	LIMITS
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B	UMBRELLA LIAB EXCESS LIAB DED: <input checked="" type="checkbox"/> RETENTION \$0		22XHUNN5410	09/05/2012	09/05/2013	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER NUMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	22WBFC7186	09/05/2012	09/05/2013	<input checked="" type="checkbox"/> MC STATU-TORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

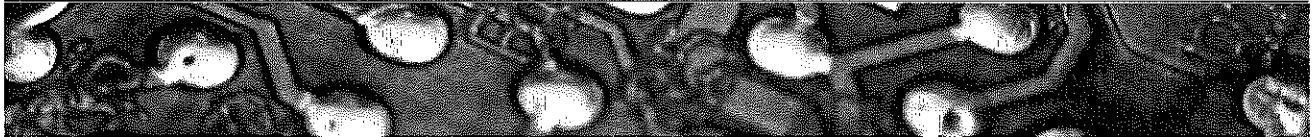
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER For Information Purposes Only	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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c. Contractor should demonstrate proof, in the form of a letter from your surety company, of the ability to obtain a public payment and performance bond in the minimum amount of \$200,000. Contractors that do not want to perform work over \$200,000 should indicate such by providing a statement on their letterhead instead of providing a letter from their surety.

Please see the statement on page 5 regarding performing work over \$200,000.



ENGINEERS

SURVEYORS

PLANNERS

April 5, 2013

Lee County Procurement
1825 Hendry St., 3rd Floor
Fort Myers, FL 33901

RE: RFQ 130310 – Control, Telemetry, Security and SCADA Integration
Services Contract Work – Not to Exceed

Dear Ms. Mixon:

This letter is to convey to Lee County, McKim & Creed's intent to apply for work
not exceeding \$200,000.

Respectfully Submitted,
McKIM & CREED, INC.

John Valosky
Manager of Automation Group



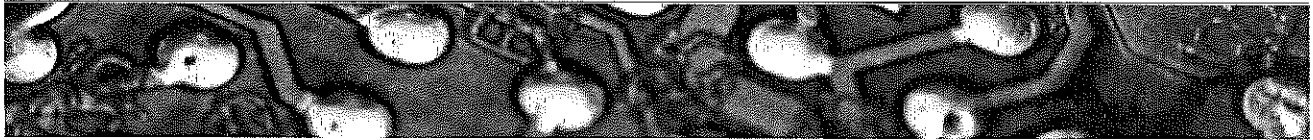
1365 Hamlet Avenue

Clearwater, FL 33756-3531

727.442.7196

Fax 727.461.3827

www.mckimcreed.com



d. Largest project undertaken accompanied by a brief overview.

Client:

City of St. Petersburg
One Fourth Street
St. Petersburg, FL 33701

Contact:

Steven K. Leavitt, PE
Water Resources Director
(727) 893-4165

Completed: 2010

Project Budget:

\$4,828,410

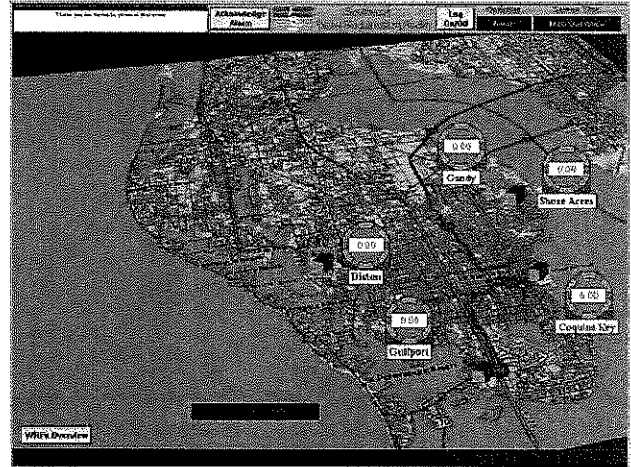
Project Cost: \$4,309,321

PARAMETER	UNIT	VALUE	UNIT	VALUE	UNIT	VALUE	UNIT	VALUE
Flow	MGD	1.2	Flow	MGD	1.5	Flow	MGD	1.8
Pressure	PSI	100	Pressure	PSI	120	Pressure	PSI	140
Temperature	°F	75	Temperature	°F	80	Temperature	°F	85
Level	FT	10	Level	FT	15	Level	FT	20
Flow	MGD	2.0	Flow	MGD	2.5	Flow	MGD	3.0
Pressure	PSI	110	Pressure	PSI	130	Pressure	PSI	150
Temperature	°F	78	Temperature	°F	82	Temperature	°F	86
Level	FT	12	Level	FT	18	Level	FT	25

McKim & Creed developed a customized software program that allows the City to easily access SCADA historical data. The program provides a powerful tool to quickly see trends of a wide range of system operational performance indicators selected by the user.

Water Reclamation Facilities Automation SCADA System and Programming

Design: McKim & Creed assisted the City of St. Petersburg with evaluations of operating conditions and control capability of the City's Water Reclamation Facilities to improve the management and control of the reclaimed water transmission and distribution systems. An "all pipes" dynamic hydraulic model, composed of 11,440 pipes, of the existing reclaimed water distribution system was created and

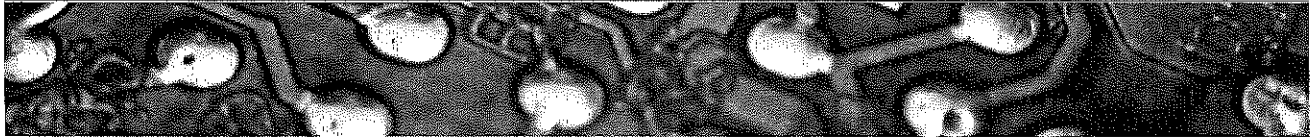


utilized to simulate the various process control scenarios and operating protocols. The hydraulic modeling was accomplished using McKim & Creed's advanced modeling software known as Forcemain®. There are four Water Reclamation Facilities in the City of St. Petersburg that are linked by a transmission piping system to provide reclaimed water to properties within the City of St. Petersburg for lawn irrigation and other purposes.

McKim & Creed designed an overall SCADA system architecture to implement enhanced monitoring and control of the systems to improve efficiency and reliability. The project included development of designs and implementation plans for SCADA infrastructure that will control the reclaimed water systems and, in the future, provide the City the ability to expand the use of automation within the Water Reclamation Facilities for more efficient plant operations.

Construction Services: McKim & Creed provided the design services to implement plant-wide PLC networks and SCADA infrastructure at each of the City's four WRF's, and to implement a radio-telemetry-based inter-plant Ethernet network linking all of the WRF's to the central water resources complex. The distributed PLC network is comprised of Allen-Bradley SLC-500 main-nodes with DeviceNet Flex I/O sub-nodes at process specific areas.

Each plant SCADA node consists of redundant SCADA servers, a dedicated SQL server for historical data interaction and archival, and a dedicated CCTV server to support a plant-wide audio/video security system. The SCADA system is comprised of Wonderware Intouch for terminal services, Historian Client, and Historian. Communications between all of the plants, including the water resources complex, is provided via a system-wide radio-telemetry-based Ethernet network. The telemetry network is composed of license-free, frequency-hopping spread-spectrum radios, and includes 128-bit data encryption and dynamic key rotation for security. The radio telemetry system is comprised of Microwave Data Systems iNet equipment.



e. How many years experience in Control, Telemetry, Security and SCADA Integration Services as a distinct discipline does your company have?

McKim & Creed has been instrumental in assisting our clients in control, telemetry, security and SCADA integration services for the past 19 years. This knowledge will allow the McKim & Creed team to hit the ground running and to continue the County's pursuit of operational excellence by promoting effective development and utilization of utility information and improved utility support systems.

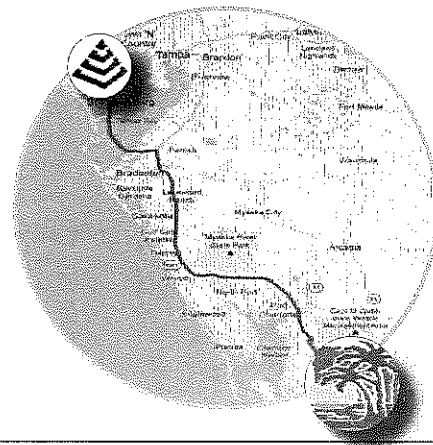
f. List of past or pending litigations or judgments within the last 5 years. Provide a brief description if applicable.

McKim & Creed is currently (and has been over the past five years) involved in a limited number of legal claims. McKim & Creed is confident in its ability to successfully defend, or settle on favorable terms, all such outstanding claims. Furthermore, for the protection of McKim & Creed and its clients, McKim & Creed always maintains a comprehensive insurance program which includes professional liability, workers' compensation, comprehensive general liability, automobile and umbrella policies, with limits sufficient to cover the defense and payment of all outstanding claims against McKim & Creed. In the opinion of McKim & Creed's management, no claim or lawsuit currently pending against McKim & Creed will materially affect McKim & Creed's ability to perform this project.

g. Provide the address of the qualifying office and indicate the number of miles from Lee County.

McKim & Creed is located to service the County from Clearwater, as shown on the map. With our responsible office located in the City of Clearwater, our location provides us the ability to be responsive to Lee County. Our office is *129 miles* from the County's office, a short car ride away.

McKim & Creed, Inc.
1365 Hamlet Ave.
Clearwater, FL 33756





h. Include hourly rates to be incorporated into the contract for emergency repairs as outlined in the vendor requirements. Please include hourly rates for programmer and instrumentation tech.

Work will be performed at the water and wastewater plants as well as remote sites that are part of the plant's operations.

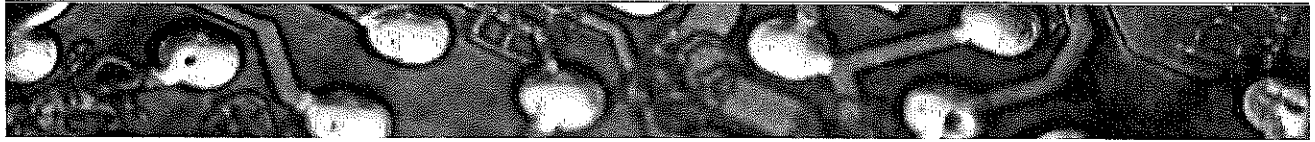
Hourly rates to be incorporated into the contract for emergency repairs as outlined in the vendor requirements.

Programmer

Normal Rate: \$ 130.⁰⁰ Overtime Rate: \$ 175.⁰⁰

Instrumentation Technician

Normal Rate: \$ 130.⁰⁰ Overtime Rate: \$ 175.⁰⁰



Criteria 2- Contractor Qualifications

a. Contractors should provide, in detail, their credentials for providing control, telemetry, security and SCADA integration services and any information which documents successful and reliable experience in past performance, especially those performances related to the requirements of this RFQ.

McKim & Creed's process control engineering, information technology and programming competencies ensure turnkey services for all I&C and SCADA applications.

Our team specializes in supervisory control and data acquisition (SCADA) systems, computer networks, programmable logic controller (PLC) systems, telemetry, instrumentation and variable frequency drive and motor control center installations. The company specializes in water and wastewater treatment applications, with extensive experience in a wide variety of industrial applications including custom Visual Basic and Microsoft SQL Server development to provide sophisticated automatic process control and reporting.

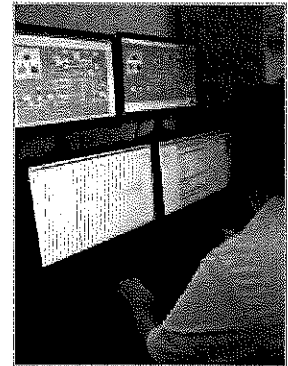
From our office in Clearwater, our team can provide any mix of the following services: consulting, construction management, design assistance, engineered shop drawings, fabrication, programming, installation supervision, testing, startup, field service, training and O&M manual preparation.

McKim & Creed consists of a highly experienced group of engineers and technicians. We currently have programmers/engineers for SCADA, PLC and telemetry systems, designers, field service technicians, instrument calibration specialists and panel fabricators on staff. Our ability to out-perform our competitors by efficient and hard work from our dedicated engineers, with vast experience in the specific hardware and software technologies used in this market, makes us uniquely qualified to provide the County with effective and quality services.

The McKim & Creed team offers more than 100 years of collective experience in SCADA and

information systems design and review, integration and implementation, recommendation of improvements, optimization, and construction management.

Our knowledge of these systems and their implementation, coupled with our understanding of operational needs and requirements, will greatly benefit the County in the execution of these services. Our team's experience will ensure solid and well thought-out system designs and implementations that will carry the County well into the future.

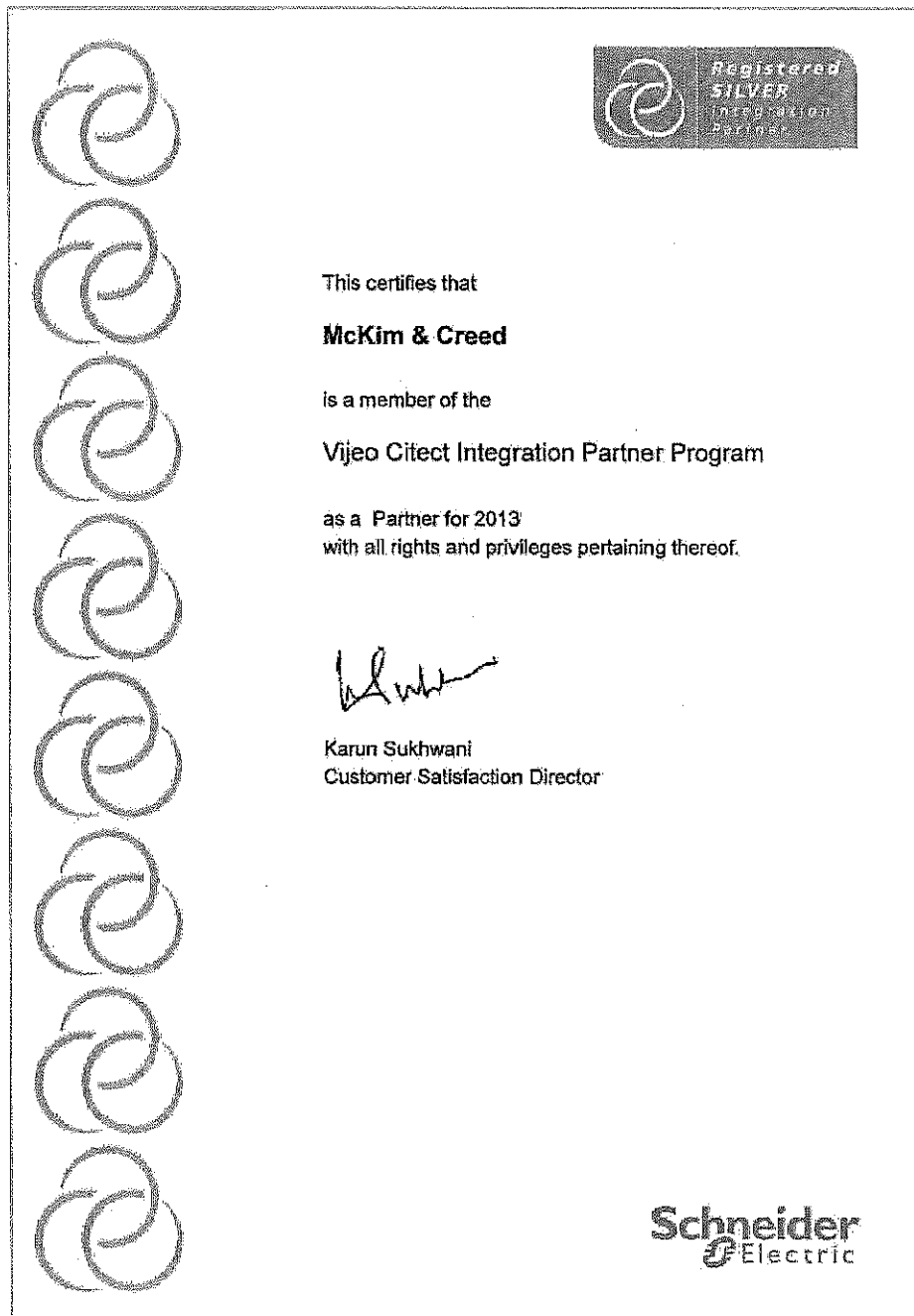


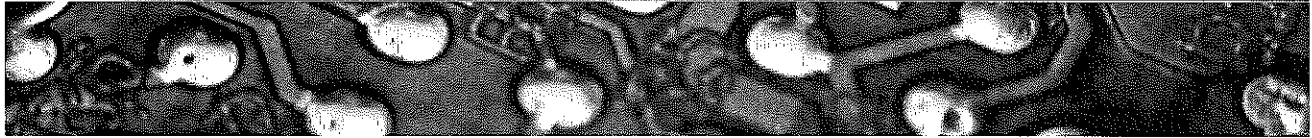
Our team's ability to out-perform our competitors providing efficient systems, fresh ideas and hard work from our dedicated staff is proven. Our instrumentation and controls engineering group brings unparalleled service and knowledge to our clients in the areas of telemetry and SCADA systems, system integration and controls design, and PLC and HMI programming.

Up-front planning and continuing communication eliminates guess work, improves efficiency and contributes to a reduction in project costs. This is McKim & Creed's project management standard, which has resulted in design excellence, reduced costs, increased schedule adherence and client satisfaction - as evidenced by our 95% repeat client ratio.



b. Contractor should be a certified Citect Silver level or better integrator. Proof of the certification should be submitted with the RFQ package.





Criteria 3- System Experience

a. The contractor should have proof of completed projects with Allen Bradley or Modicon PLC system. The on-site programmer should be Citect trained and certified.

Bald Head Island Wastewater Treatment Facilities, Bald Head Island Utilities, Bald Head Island, NC: McKim & Creed provided permitting and construction phase services in the expansion of the Bald Head Island Wastewater Treatment Plant from a 0.2 MGD to a .4 MGD facility. The facility, which was constructed for capacity to serve the upscale resort community's housing, commercial/retail and recreational buildings, was increased in size to accommodate growth. Said growth, however, still kept wastewater generated on the island within the range normally found in domestic wastewater treatment plants therefore the expansion was sufficient for the island's needs. Part of the project scope was the installation of an *Allen Bradley SLC 500 Series PLC* that allows remote monitoring of all SPR system components.

Broadband Radio Upgrade & Water Distribution Telemetry System, Collier County, Naples, FL: McKim & Creed provided design, bid and construction management services as well as software implementation to Collier County, Florida for a water distribution telemetry and SCADA system. The project replaced an outdated, low speed telemetry system for which the Owner struggled through poor communications capability and outdated equipment technology. The new system provides for high power UHF communications to remote pumping and storage locations through a redundant master station configuration. The remote and master stations use open architecture components that can be supported by the Owner's instrumentation group with communications diagnostic capability to the remote station level for rapid troubleshooting. The communications system connects the County's water distribution system - including five booster stations and four ground storage tanks - across the county in a distributed monitoring system with all data available at the three major monitoring locations. The three major operation points - South WTP, North WTP and

public utilities operation center - are connected in a high speed broadband Ethernet radio system configured as a fault tolerant loop for sharing of data and providing multiple possible locations for control. The stations are monitored using a combination of *Allen Bradley SLC-505 Ethernet PLCs* for masters and *SLC-503 or Micrologix PLCs* for remote locations. The computers use GE Proficy I-Fix software for the HMI. The radio communications are handled with Dataradio UHF and MDS broadband radios. The system was implemented in steps that were closely coordinated with the Owner to minimize any disruptions to the operations and limited down time for any location.

Brunswick County Water System SCADA System, Brunswick County, NC: The nearly \$1.4 million SCADA system designed by McKim & Creed and the County monitors 3,000 "tags," or pieces of equipment, using *Modicon Quantum PLCs* at all plants and major pumping facilities, and smaller *Modicon 910 Brick PLCs* at the simpler remote locations. The computers use CiTECT™ software for the HMI. Radio communications, using equipment manufactured by MDS (Microwave Data Systems), link the various remote facilities.

Johnston County SCADA System Upgrade, Johnston County, NC: McKim & Creed performed an upgrade of the existing wastewater plant SCADA system so that it uses an "Open Architecture" software which can be maintained by the owner. The SCADA system consists of *Allen Bradley PLCs*, which are distributed throughout the plant to provide monitoring and supervisory control of various systems, including the raw water pumps system, screens, transfer pumping station, chemical feed systems, softeners, filters, sludge handling, and high service pumping. A SCADA computer using Imation software provides graphical user interface, trending, and reports. Once the system was in place, the plant staff was trained on the various hardware/



software products and has been able to modify and enhance the SCADA screens and reporting without the need for outside assistance.

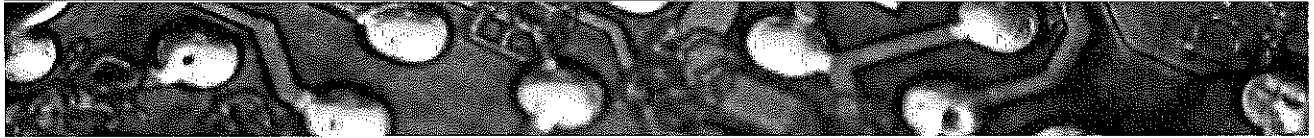
Marshall Street APCF Influent and Primary Sludge Pump Station PLC Replacements, City of Clearwater, FL: The Marshall Street APCF Influent and Primary Sludge Pump Station Control Panels include programmable logic controller equipment (PLCs) that are being phased out of standard production by the manufacturer (*Allen Bradley PLC 5 Series*). In addition, after several years of exposure in a corrosive environment along with several limited control panel modifications, the equipment is degrading and the control panels are generally in poor condition and in need of replacement. These PLC control panels serve as the primary SCADA interface point for most of the equipment monitored in the plant influent and primary clarification areas. The upgrade of the Influent Pump Station include revised pump station operations with adjustable automatic control setpoints available from the control room as well as increased monitoring of equipment located in the plant headworks area. Upgrade of the Primary Sludge Pump Station incorporates the changes of equipment for this area of the plant including the Salsnes Filters, flow metering and revised primary sludge pumping with monitoring and control available from the SCADA system.

Onslow County Evaluation and Design of SCADA Monitoring System Services, Onslow County Water & Sewer Authority, Onslow County, NC: McKim & Creed provided design, bid and construction services as well as software implementation to the Authority (originally Onslow County, NC) for a well field, water treatment plant and water distribution SCADA system. The project replaced an outdated, low speed proprietary telemetry system for which the Owner was no longer able to obtain replacement parts or diagnostic services. The new system provides high speed data communications in a distributed network using open architecture components that can be partly supported by the Owner's Information Technology group and allows remote diagnostic

capability to the remote station level for rapid response. The communications network connects all of the water supply and wastewater facilities - including three well systems (22 wells), two water treatment plants, four booster stations and ten elevated tanks - across the county in a distributed monitoring system with all data available at the three major monitoring locations. The three major operation points - Public Works, Hubert WTP and Dixon WTP - are connected in a redundant broadband Ethernet radio system for sharing of data while each location maintains a separate Ethernet telemetry system for monitoring and control of the associated well field and distribution system. The stations are monitored using a combination of *Allen Bradley SLC-500 Ethernet PLCs* for all plants and Micrologix Ethernet PLCs for all remote locations. The computers use Wonderware software for the HMI. The radio communications are handled with MDS Ethernet and broadband radios. The system was implemented in steps that were closely coordinated with the Owner to minimize any disruptions to the operations and limited down time for any location.

Pasco SE Water Treatment System, Westra Construction Corporation, Zephyrhills, FL: McKim & Creed provided Master PLC panel design and fabrication, PLC/HMI programming, instrumentation, checkout/startup, as-built documentation and training for 30 MGD plant with three 300HP and two 100HP high service pumping. Hardware included: *Modicon Quantum with Ethernet*, with Prologix 500 and Wonderware.

Reuse System Telemetry/SCADA Wide Area Network, Collier County, FL: McKim & Creed provided system evaluation, engineering design, planning, construction consultation and commissioning support services for the County's Reuse System Telemetry/SCADA Wide Area Network (WAN) project. This project upgraded an existing reuse water telemetry system in which the County had limited capability for monitoring and control of the reuse water storage and pumping locations and for decision making based on system data. The County operated two independent



telemetry systems for the north and south areas of the county which were monitored and controlled from each of two local wastewater treatment plants. The systems were monitored for alarm indications during daily operations but the systems were not managed from these facilities. The operations staff for the reuse water system collected data manually by visiting each location and the SCADA computers to collect operating information.

Remote stations are monitored and controlled using a combination of *Allen Bradley Micrologix and SLC-500 PLCs* with *Allen Bradley SLC-500 Ethernet PLCs* used as the polling master stations. The SCADA computers use GE Proficy i-FIX software for the HMI and i-Historian for historical data collection. Radio communications occur over UHF frequencies using Dataradio Integra TR radios. The system was implemented in steps that were closely coordinated with the Owner to minimize any disruptions to the operations and limited down time for any location.



Criteria 4- Contractor's History/Experience

a. Include a description of the Contractor's history and the number of years in operation. Related experience should be restricted to those assignments undertaken within the last five (5) years. Evidence of full project completion and schedule under or over run is required.

McKim & Creed was established in 1978 by Herbert P. McKim, Jr., PE, and Michael W. Creed, PE. Today, the award-winning company operates 17 offices throughout the Southeast; with seven offices located in Florida (Clearwater, Tampa, Sarasota, DeLand, Fort Myers, Daytona Beach and Palm Coast). McKim & Creed has more than 420 employees, 87 of which are located in our Florida offices.



McKim & Creed, Inc., is a professional corporation, incorporated in the State of North Carolina and certified to do business in the State of Florida. We offer our clients small firm service and, with a staff of more than 400 company-wide, large firm resources.

We approach every project with passion and integrity, and are committed to providing the most responsive and dependable service all the time. Because of this, we have been recognized as a leader in our industry for more than 30 years. Recent national accolades include:

ENR Top 500 Design Firm in the US
(1992-present)

ENR Top 200 Environmental Firm in the US
(2003-present)

Southeast Construction Top Engineering/
Architecture Firms (2003-present)

Public Works Top Architecture/Engineering/
Construction Firms (2005-present)

ZweigWhite Hot Firm
(2006-present)

McKim & Creed's instrumentation and control/SCADA engineering establishes the infrastructure to enable your utility operations to communicate and operate with minimal human intervention. We provide system designs that maximize the use of your resources to monitor systems and operate utility systems and facilities. Our instrumentation and control/SCADA team designs systems to enable humans and machines to interface efficiently and effectively. Services include:

Instrumentation and Controls/SCADA

Adjustable Frequency Drive and Motor Control
Center Design and Installation

Communications System Design

Computer Networking and Database Design and
Implementation

Construction Administration

Construction Observation

Control Panel Design and Construction

Database Management

Design-Build of Control Systems

Distributed Control Systems

Laboratory Information Management System

Mobile Computing

Operations Support and Program Management

Plant Start-up

Process Control Engineering

Process Control System Procurement and Integration

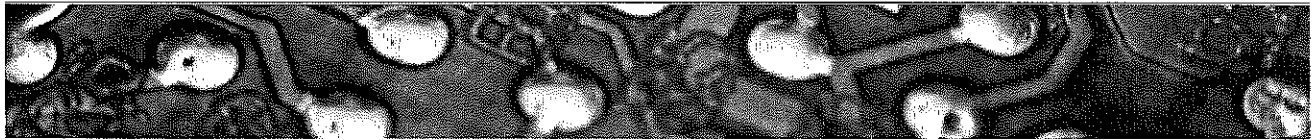
Programming of PLC-Based Control Systems and
Human Machine Interfaces

System Master Planning

Telemetry Studies and Radio Surveys

Troubleshooting and Field Technical Support

Documentation, Training and Support



Similar Continuing Contracts Currently Held

Collier County

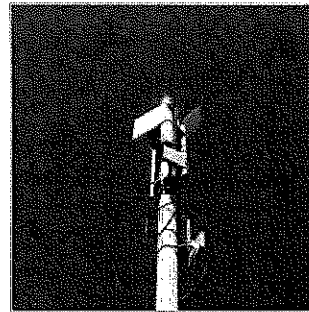
3299 Tamiami Trail East

Naples, FL 34112

Aaron Cromer

Principal Project Manager

Phone: (239) 252-5338; Fax: (232) 252-5378



County Wide Engineering
Services/ I&C, SCADA

2013 - 2014

City of Tarpon Springs

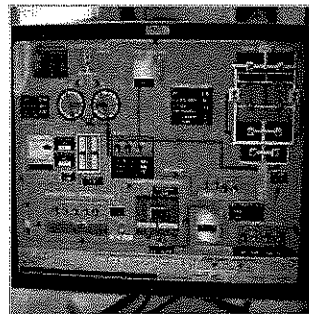
324 East Pine Street

Tarpon Springs, FL 34688

Raymond Page

Wastewater Plant Superintendent

Phone: (727) 942-5616; Fax: (727) 942-5624



WWTP SCADA System
Programming &
Maintenance

2008 - 2013

City of Oldsmar

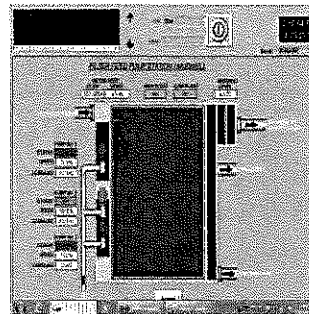
351 Lafayette Boulevard

Oldsmar, FL 34677

Lisa R. Rhea, PE

Assistant Utilities Administrator

Phone: (813) 749-1233; Fax: (813) 854-2683



Wastewater SCADA
Upgrades

2011 - Ongoing

City of St. Petersburg

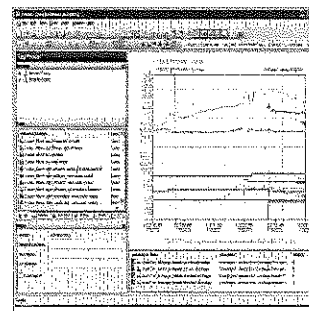
1 Fourth Street North

St. Petersburg, FL 33701

Steven K. Leavitt, PE

Water Resources Director

Phone: (727) 893-4165; Fax: (727) 892-5476



Utility Information
Systems

1998 - Ongoing

Client:

City of St. Petersburg
One Fourth Street
St. Petersburg, FL 33701

Contact:

Bob Labrie, Computer Systems
Coordinator, Water Resources
(727) 892-5621

Completed: 2011

Scheduled Completion: 6/2011
Actual Completion: 6/2011

SCADA System Consolidation and Historian Centralization, Ph1 Water Facilities

Prior to the work of this project, the City of St. Petersburg operated and maintained an independent SCADA system for the water facilities, including the Cosme Water Treatment Plant (WTP), the Oberly Pump Station, and the Washington Terrace Pump Station. This SCADA system is centralized at the Cosme WTP where there is no connectivity or access to the operational data from the Water Resources Department (WRD) facility.

McKim & Creed provided the instrumentation and controls engineering services to link the water system SCADA with the WRD facility, allowing for access to the available operational information and for simplified system management. Additionally, McKim & Creed provided services to implement centralized data collection and historian functionality at the WRD facility to provide for expanded data access and reporting capabilities and to centralize historical data management.

Tasks included establishing the centralized data collection historian infrastructure at the WRD facility, establishing SCADA connectivity between WRD and the water facilities, and integrating the existing water facilities SCADA into the current WRD SCADA infrastructure.

Client:

Sarasota County
1001 Sarasota Center Blvd.
Sarasota, FL 34240

Contact:

Seton Katz, PE, Project Manager,
Public Works
(941) 861-0897

Completed: 2012

Scheduled Completion: 3/2012
Actual Completion: 3/2012

Carlton WTP SCADA Upgrade Design & Bidding

The Sarasota County Carlton EDR WTP SCADA system operated utilizing a mixture of the originally installed Transdyn HMI software and Wonderware HMI software. The primary computer servers supporting the SCADA system utilized older technology DEC platform machines which are difficult to service and support. The County desired to consolidate the SCADA HMI system to a current-version common platform, to provide for a unified and consistent HMI deployment which is more functional, more user-friendly, and easier to maintain and support. For this project, McKim & Creed developed the design and integration details and documents for the Archestra-based Wonderware System Platform for the WTP SCADA system architecture and the component and computer hardware upgrades necessary to enable a common SCADA system platform.

Client:

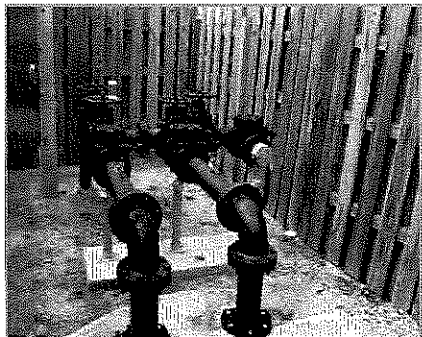
Hillsborough County
925 E. Twiggs Street
Tampa, FL 33602

Contact:

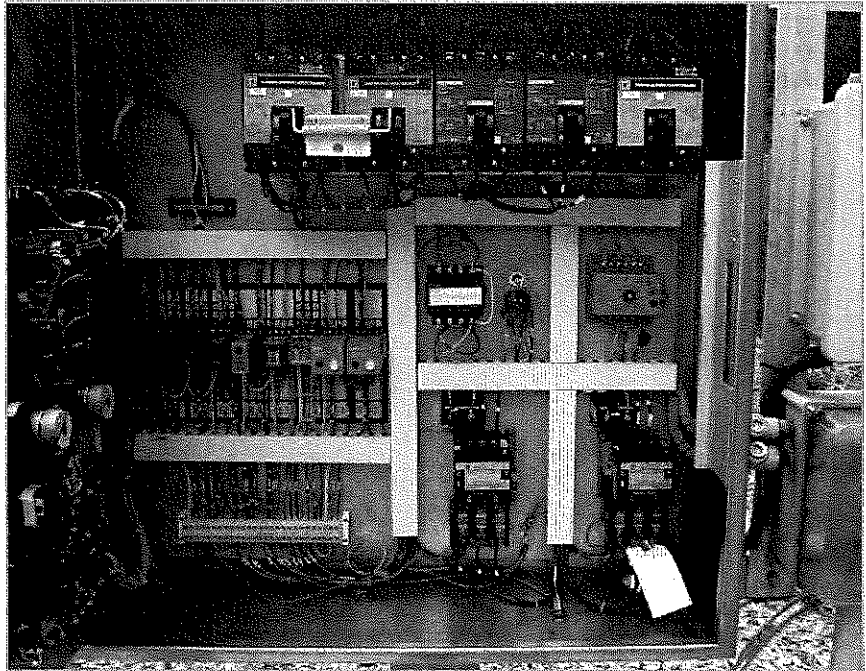
A.E. Fox, Jr.
Project Manager
(813) 272-5977

Design Completed: 2008

Scheduled Completion: 12/2008
Actual Completion: 1/2009



Galleria, Deauville & Nautilus Pump Station Refurbishments



Hillsborough County implemented upgrades at three of their existing wastewater pumping stations: Galleria, Nautilus and Deauville. As part of these upgrades, the control and instrumentation system at each site was replaced with a new PLC-based system. The new control system is comprised of new field instrumentation and a new-design MCP cabinet housing a PLC, local operator interface (OPI) and communication equipment.

The supply, installation and commissioning of the instrumentation and equipment hardware provided by McKim & Creed as part of the construction contract.

In addition to the hardware, the new PLC-based system required the development of new PLC software configurations and logic algorithms, structured to provide the monitoring, control and alarming capabilities required for a fully functional site. Also, new software configurations and screen sets were developed for the local OPI to provide for local interface capability. Further, the County maintained a system-wide SCADA implementation, utilizing radio-telemetry-based links to remotely interface with the field stations. The local PLC and OPI software configurations needed to be structured to support remote SCADA interfacing capabilities. The County desired to develop these software configurations and algorithms to include sufficient options/flexibility to provide for a "standardized" set of applications that could be applied, without significant modification, for these and similar future sites.

Client:

City of North Port
6644 West Price Boulevard
North Port, FL 34291

Contact:

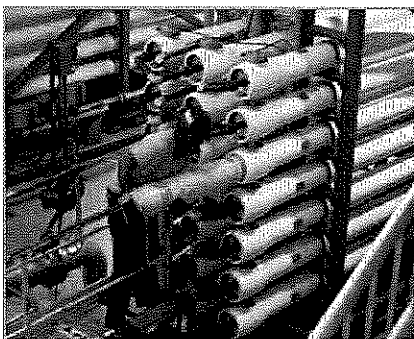
Patrick D. Zoeller, PE
Utility Engineer, Utilities Department
(941) 240-8000

Completed: 2013

Scheduled Completion: 2/2013

Actual Completion: 3/2013

Myakkahatchee Creek Water Treatment Plant Reverse Osmosis Reliability Project



McKim & Creed provided design, permitting, bid and construction phase services including programming of the Myakkahatchee Creek Water Treatment Plant SCADA system.

The City of North Port owns and operates the Myakkahatchee Creek Water Treatment Plant (WTP), which utilized a conventional surface water coagulation-sedimentation-filtration process. The existing facility was unable to provide potable water meeting secondary drinking water standards during the dry season when source water supplies had elevated levels of sulfate and total dissolved solids. This project included the design and construction of a new 1.5 MGD reverse osmosis WTP, which was integrated into the existing WTP; providing North Port the ability to produce high-quality potable water for its customers and to support the regional water supply. The source water supply includes six new intermediate aquifer wells, which produces significant quantities of water with minimal localized draw down impacts. McKim & Creed provided design, permitting, bid and construction phase services including Wonderware System Platform and PLC programming of the facility's SCADA system. During the course of this project, McKim & Creed also converted the existing surface water plant from Rockwell FactoryView HMI software to the Wonderware System Platform.

The treated water produced by the new RO WTP will be blended with the treated water from the existing Myakkahatchee Creek Water Treatment facility in appropriate ratios necessary to meet all regulatory requirements including total dissolved solids and sulfates. The design of the project included scheduling and phasing of the new facilities to ensure the ability of the existing plant to produce water is maintained during construction. Coordination and other services needed to meet the requirements for SWFWMD cooperative funding are also being provided as part of this project. Meetings were conducted during the design phase with the regulatory agencies providing funding for the project to ensure that maximum funding was secured for the City of North Port.

Client:

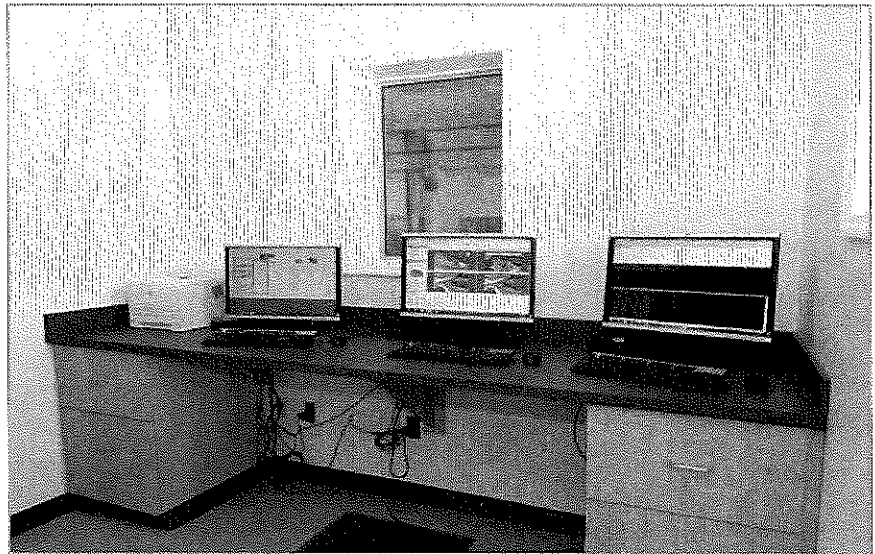
Hillsborough County
925 E. Twiggs Street
Tampa, FL 33602

Contact:

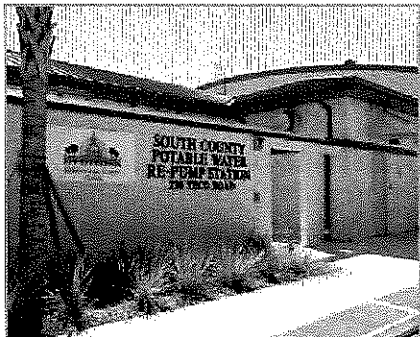
Gita T. Iranipour, Ph.D
Project Manager
(813) 272-5977 x 43360

Completed: 2012

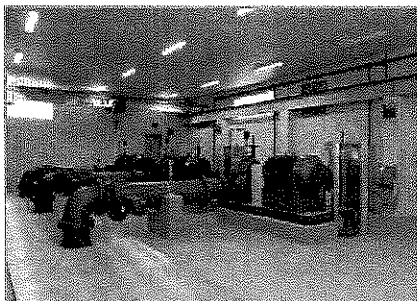
South County Potable Water Re-Pump Station



Scheduled Completion: 9/2012
Actual Completion: 3/2012



McKim & Creed designed a 12.5-MGD potable water re-pump station and a 3-MG potable water ground storage tank to address low system pressure experienced during peak demands in the South-Central Service Area. Under the initial assignment, McKim & Creed provided preliminary engineering, SUE, final design, permitting and bidding phase services. Upon completion of the design phase, McKim & Creed was retained to provide full construction management and observation services.



The new facility was constructed just south of the South County Advanced Wastewater Treatment Plant (AWWTP). Due to overlapping site and regulatory requirements, the civil/site work was coordinated with the AWWTP design consultant. The complete facility includes three 6.25-MGD variable frequency drive split-case horizontal pumps enclosed in a split-face CMU building with an office, lavatory, electrical room, and a standby generator. The building is contiguous with a compound for a fuel storage tank and an area for future chemical storage and feed equipment. The project is rounded out with a 3-MG prestressed concrete ground storage tank, and the site is supplied by a 24-inch transmission fill/discharge line. This premier facility interfaces with the county's SCADA system and is fully operational remotely.

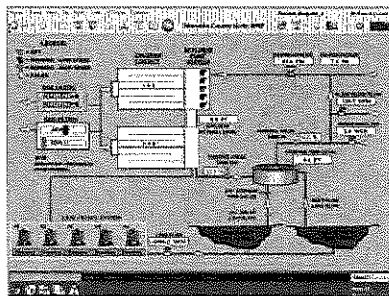
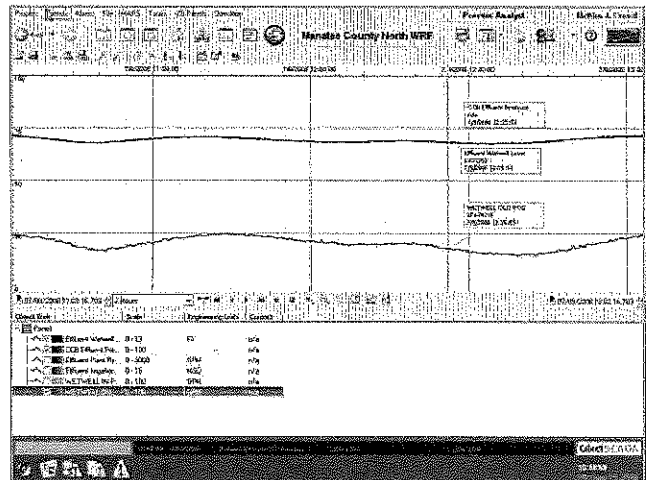
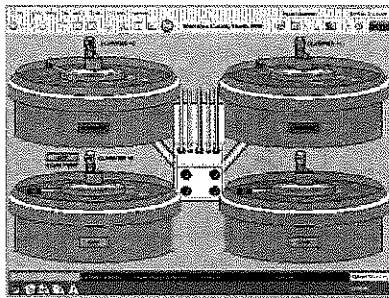
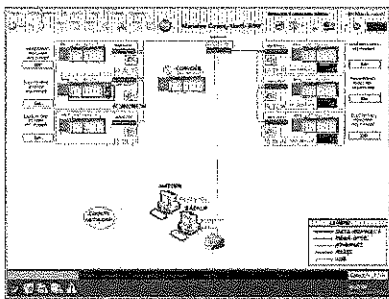
The re-pump station and ground storage tank help the County address low system pressure.

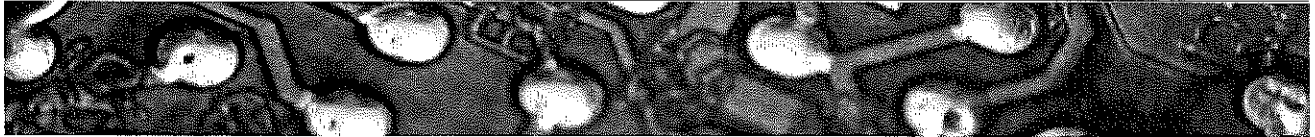
The facility is expandable to 25-MGD and 6-MG of storage.



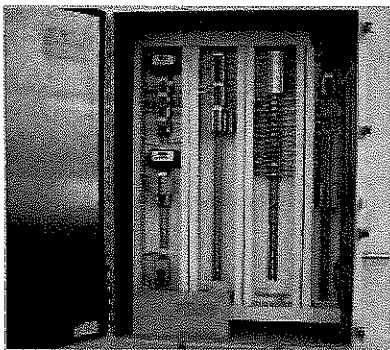
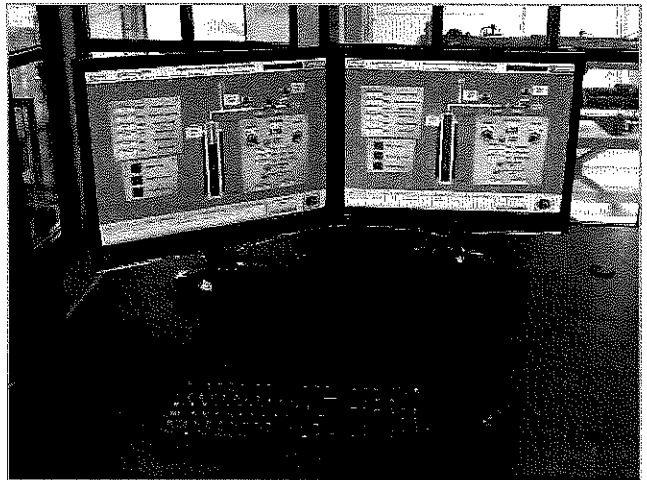
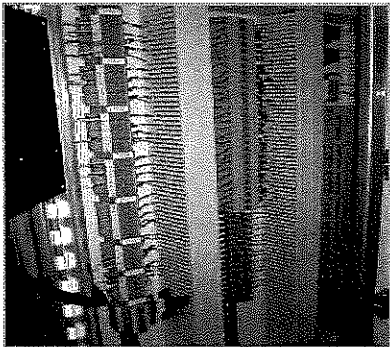
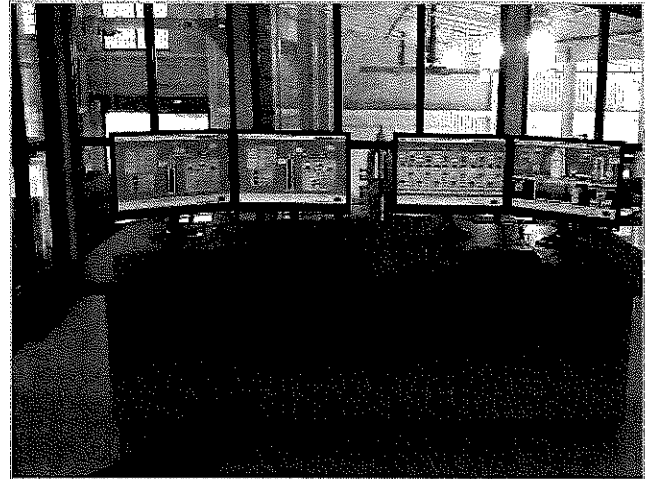
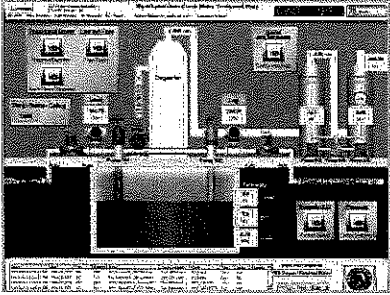
b. Provide a portfolio of previous work. Include a list of every drawing typically issued with a project and an example of it. Include at least one copy of a theory of operation, training manual, and O&M manual provided as part of a completed project.

Sample photos - Manatee County SCADA Support





Sample photos - City of North Port SCADA Support

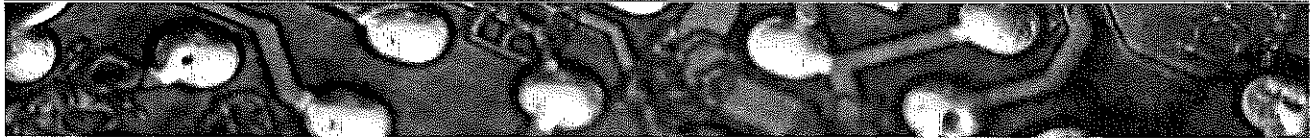


Copies of a theory of operation, training manual and O&M manual provided as part of a completed project are included in electronic form on each CD in addition to the CD labeled 'Sample Deliverables'.



c. Include a detailed list of projects that have been previously completed for Lee County Utilities or other similar water or waste water utility projects.

Project Name	Location	Year	Description
Corkscrew Water Treatment Plant Contact Time Study	Lee County, FL	2011	McKim & Creed provided engineering assistance for a 4-log virus inactivation demonstration study at Lee County's 15 MGD Corkscrew Water Treatment Plant. The facility demonstrated compliance with the Rule when the regulation was initially implemented. However, after a second ground storage tank and baffling modifications to the existing tank were added to provide the facility with operational flexibility, the City was required to re-demonstrate compliance with the Rule under the various operational scenarios. The conventional lime-softening, groundwater facility was evaluated to determine the disinfectant CT through the WTP for the various operational scenarios and the minimum required storage tank levels at the minimum chloramine residual leaving each tank to meet 4-log virus treatment.
Kelly and Pine Ridge Roads	Lee County, FL	2004	McKim & Creed provided topographic surveying for Lee County.
Lee County Three Oaks Wastewater Treatment Plant Expansion Controls	Fort Myers, FL	2006	McKim & Creed provided panel fabrication, engineer shop drawings field installation and programming for the three oaks wastewater plant expansion.
Lee County Utilities, Summerlin Road Phase IV	Fort Myers, FL	2009	McKim & Creed provided designation (Level B) and location (Level A) of existing underground utilities along 3 mile long stretch of roadway for a roadway and utility improvement project.
Lee County, Bonita Beach Road Sidewalk from I-75 to Bonita Grande Drive	Bonita Springs, FL	2006	McKim & Creed provided a topographic survey and design services for an eight foot sidewalk on the south side of Bonita Beach Road.
Cape Coral Toll Plaza Reconstruction	Cape Coral, FL	2004	McKim & Creed provided a topographic 1300' East of College Parkway from Cape Coral Bridge to W. end of Barrier wall at McGregor overpass.
Dean Park Drainage Study	Lee County, FL	2006	McKim & Creed provided a drainage study for 2.2 miles showing survey base lines and storm drainage pipes with structures; horizontal and vertical primary network control(s)(PNC); project alignment and existing right-of-way lines; and a channel survey. The project area included: Second Street from Evans Avenue to Seaboard Street; SR 80 from Avalon to Bridge at Billy's Creek; Evans, Cranford Avenue, and Palm from SR 80 to Second Street; and Rhode Island Avenue, Providence Street, Michigan Avenue from Evans Avenue to Palm.



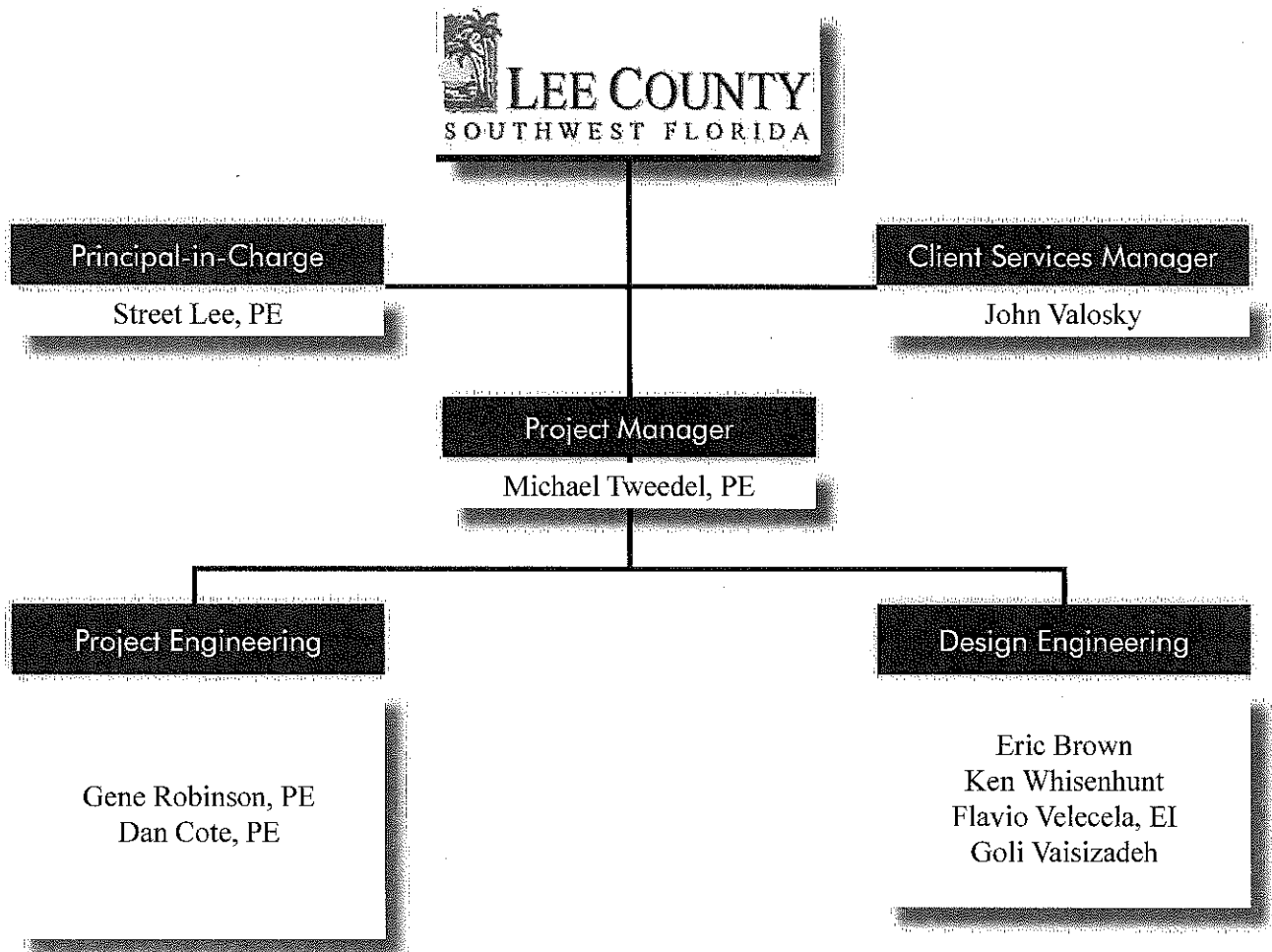
Project Name	Location	Year	Description
Homestead Road Widening	Lehigh Acres, FL	2007	McKim & Creed provided surveying services for the widening of Homestead Road in Lee County, including 16 GPS control points, project alignment, nine benchmarks with three miles of levels, topographic and right-of-way surveying, six side streets extending 300' from centerline, cross section canals, location of borings and two pond sites.
I-75 Colonial Boulevard to SR 62	Lee County, FL	2009	McKim & Creed designated 7.3 miles of underground utilities along Colonial Blvd in and around its intersection with I-75. There were 10+ utilities that ran through this congested right-of-way. In addition, McKim & Creed performed vacuum locates at several locations to help further investigate potential conflict between new mast arm bases and existing underground features.
Koreshan Boulevard Extension	Fort Myers, FL	2006	McKim & Creed provided a drainage survey for approximately 1.5 miles of roadway along Koreshan Boulevard from Three Oaks Parkway to Ben Hill Griffin Parkway, setting horizontal and vertical control points to establish baselines for cross sections using (GPS) and location of culverts and ditch intersections.
Queue Jump at Metro Parkway and Colonial Boulevard Design Survey	Fort Myers, FL	2008	McKim & Creed provided surveying and mapping for the design of Queue Jump and completed a Digital Terrain Model (DTM) and mapping including: storm drainage, topographic and utility features, DMT triangles and boundaries; bridge details, and alignments and right-of-ways.
US 41 from Bayshore Road to North of Littleton Road	North Fort Myers, FL	2004	McKim & Creed provided CEI services for US 41 from Bayshore Road to North of Littleton Road.



Criteria 5- Staff Credentials

a. Contractor's should include a list of the proposed technicians who will be working on the County's equipment or providing new installations as assigned. These technicians should have verifiable experience in completed water and wastewater projects in the state of Florida. The Contractor should provide proof of knowledge and qualifications for personnel, including certifications or licenses as related to the work to be performed.

Organizational Chart



Fields of Specialization

Sanitary Sewer Force Mains

Water Resource Planning,
Engineering & Permitting

Civil/Environmental Engineering

Program/Project Management

SWFWMD Funding Compliance

Education

BS, Civil Engineering, North
Carolina State University

Professional Licensure

PE / FL / 49212

Affiliations

FL Section AWWA

Water Environment Federation

Florida Engineering Society

Florida Institute of Consulting
Engineers, Water Resources
Committee

Summary

As a senior vice president, Mr. Lee oversees a variety of water, wastewater, reclaimed water and other civil engineering projects. His responsibilities include coordination, design and preparation of plans for municipal, governmental, industrial, development and commercial projects. He has designed water systems and wastewater sewer systems, sanitary sewer pumping stations, developed stormwater drainage and detention systems, performed hydrology and stormwater studies. Mr. Lee has established many long-term relationships with customers and is noted for his ability to plan and design projects that fit within the customer's requirements, time frame and budget.

Selected Project Experience

Southeast Regional Wastewater Treatment Plant Expansion, Manatee County, FL: Senior project manager. The expansion of the Southeast Regional Wastewater Plant was developed in two phases. The second phase of construction consisted of major facility expansion and upgrades that brought the facility up to 11.0 MGD capacity. This design was fast tracked, being completed in approximately six months. The major components included in the new construction were expanded headworks, flow splitter box, equalization tank, aeration basin, aerated sludge storage tanks, gravity belt sludge thickener, clarifiers, sand filter system, chlorine contact chambers, emergency generators and an access road. In addition, the facility construction included major renovation/replacement of the electrical systems, a complete upgrade of the in-plant Control and Monitoring system, which will integrate with the County's proposed Supervisory Control and Data Acquisition (SCADA) system.

Albert Whitted WRF Automation Improvements, City of St. Petersburg, FL: Principal-in-charge. Scope of work included automatic-mode control improvements and control room graphic panel pump status indication for dual-use pumps No. 2 and No. 4, as well as integration of pump status indication with existing DCC telemetry system for these pumps and high-head pumps No. 1 and No. 3. McKim & Creed was responsible for PLC programming and designing the wiring interfaces to the existing VFDs for these modifications. Documentation for all program modifications were provided to the City for archival. The project was completed in one week.

Water Pollution Control Consolidated Laboratory, City of Clearwater, FL: Project manager. McKim & Creed provided the City with project management, programming, instrumentation, architectural, landscape architectural, civil engineering, construction services and project concept presentation services. In addition, McKim & Creed coordinated the efforts of the mechanical, electrical, plumbing, and gas system piping subconsultants for this 12,000 SF water quality lab facility.

WPC LIMS Software Installation, City of Clearwater, FL: Project manager. McKim & Creed provided assistance to the City in the software implementation of the Laboratory Information Management System (LIMS) at the WPC Consolidated laboratory. The software set-up required the customization of interfaces to the automated testing equipment utilized by the City's WPC Laboratory. The software was installed on a new server at Marshall Street APCF. Communications configuration and server configuration was required to support this installation.

Instrumentation Control and Monitoring Master Plan, Pinellas County, FL: Project manager. McKim & Creed provided an overview of the SCADA system architecture, software/hardware configurations, network communications requirements, customer response and dispatch management systems, database management solutions, central control room conceptual design and required improvements at the major PCU facilities and remote monitoring and control sites. The Final Report included the final systems configurations and hardware/software selections, schematic illustrations of Operations Control Center Layout, budgetary estimates, and implementation and phasing plans.

Fields of Specialization

SCADA Systems
Business Consulting
Project Engineering

Education

BSEE, Electrical Engineering,
Pennsylvania State University

Affiliations

Institute of Electrical and
Electronics Engineers (IEEE)

Summary

Mr. Valosky has more than 33 years of experience directly related to the electric utility industry including SCADA and energy management systems (EMS) from both a vendor/supplier and a consultant perspective. Mr. Valosky has previously served in the capacity of Director of SCADA and substation business with a wide range of responsibilities including start-up of the SCADA systems business on the east coast. Mr. Valosky has supported electric utility clients with SCADA systems, EMS, control system plans, implementations, upgrading and replacement projects.

Selected Project Experience

Prior to joining McKim & Creed

EMS Control System Project, Alberta Electric System Operator, Calgary, Alberta, Canada: Senior lead consultant. Project performed a needs analysis of the current EMS/SCADA system including current and future state requirements. Study was formally documented and followed by detailed project requirements documents for a procurement process. Documents were submitted to pre-qualified vendors for proposal submittal and scored evaluation leading up to project negotiations and contract award.

SCADA System Replacement, East Kentucky Power Corporation, Lexington, KY: Senior lead consultant. Project performed an upgrade vs. replacement analysis for the existing SCADA system including a needs assessment of all new application and communication requirements. A detailed requirements document including technical and commercial issues was generated for vendor response. Proposals were scored leading to final contract negotiations.

EMS system Project, Egyptian Electricity Authority, Cairo, Egypt: Lead consultant. Project designed a new national control center for EEA, including detailed RFP documents. Proposals were received from international vendors, evaluated and scored for contract negotiations. Project execution activities on behalf of EEA were accomplished at both vendor and EEA sites.

SCADA Project, Electricity Corporation of Ghana, Accra, Ghana: Lead consultant. Project designed a new SCADA system and all associated communications equipment, including a detailed RFP, project budgets, staff training services and on-site field RTU assessment.

Fields of Specialization

SCADA Systems Planning & Design

Instrumentation & Control Systems

PLC & HMI Software

Implementation

Wireless Communications Systems

Electrical Engineering

Education

BS, Electrical Engineering,
University of Southwestern
Louisiana

Professional Licensure

PE / FL / 60940

PE / NC / 34241

Summary

Mr. Tweedel's career spans over 25 years of design, implementation and management of SCADA system and process instrumentation and controls projects in the industrial and municipal marketplace. He offers extensive experience in the areas of SCADA and control system planning and design, telemetry and wireless communications systems, PLC and HMI software implementation, communications and network planning and control systems implementation. His system hardware and software knowledge extends to platforms provided by Allen Bradley, Citect, Square D/ Modicon, Motorola, GE PLCs and Proficy Software, Wonderware and Rockwell Software.

Selected Project Experience

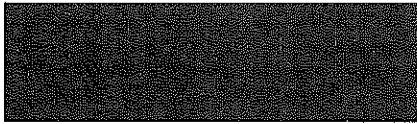
SCADA Construction and Programming Services, City of Jacksonville, NC: Project manager. With the construction of the Nanofiltration Water Treatment Plant (NFWTP) and the associated raw water well field, the City elected to upgrade their existing SCADA system with radio telemetry improvements to allow remote control of these new wells from the NFWTP. This upgrade required the addition of a new master polling station at the NFWTP along with remote telemetry units (RTUs) at each new well site and additional telemetry improvements for upgrading key existing water facilities. McKim & Creed also provided SCADA system programming services to the City to ensure proper integration of new and existing components into the overall operation of the water system and limited construction phase services to ensure that work is completed in compliance with the intent of the design documents.

Evaluation and Design of SCADA Monitoring System Services, Onslow County Water & Sewer Authority (ONWASA), Onslow County, NC: Project manager. McKim & Creed provided design, bid and construction services as well as software implementation to the Authority for a well field, water treatment plant and water distribution SCADA system. The new system provides high speed data communications in a distributed network using open architecture components that can be partly supported by the Owner's Information Technology group and allows remote diagnostic capability to the remote station level for rapid response.

SCADA System Evaluation and Standardization, Hillsborough County, FL: Project manager. McKim & Creed conducted an in-depth County-wide evaluation of the SCADA systems to identify existing equipment and software, and develop an approach for standardizing. Systems evaluated include water, wastewater, reclaimed, and bulk user systems. This project also included as-needed programming and integration services, to assist the County in correcting presently identified issues, and to begin implementing the standardization approach identified in the study.

Wastewater Treatment Plant SCADA System, Manatee County, FL: Senior instrumentation and controls engineer. Manatee County proposed to implement a new Supervisory Control and Data Acquisition (SCADA) System for the three regional wastewater treatment plants operated by the County. This project included the engineering design services required to complete the SCADA system to include the communications system within and between three regional wastewater treatment plants as well as to other designated county sites, the in-plant SCADA hardware, software configurations and control console modifications.

Standard Well SCADA Design Services, Onslow County Water & Sewer Authority (ONWASA), Jacksonville, NC: Project manager. McKim & Creed provided engineering services to develop a standardized set of drawings and specifications for production well remote telemetry units and SCADA implementation for the purpose of using in competitive bidding for the well telemetry equipment. These standardized documents ensure that equipment and installations provided as part of a competitive bid process were compatible in operation and functionality with well sites already installed, and allowed for standardization of spare parts inventory.



WPC Process Control SCADA Additions, City of Clearwater, FL: Project manager. The City of Clearwater implemented a number of monitoring, control, and operational modifications to its Marshall Street, East and Northeast Advanced Wastewater Treatment Facilities that required integration with the recent SCADA network implemented at the plants. The areas to be addressed included analytical equipment monitoring process parameters, flow metering improvements for internal recycle flows, thickened primary sludge metering and reclaimed water auxiliary storage at the Northeast facility. The additional monitoring and control was integrated with the existing PLC based control systems with PLC programming provided by McKim & Creed. The existing Citect SCADA system was also modified to incorporate the changes as they were completed as did the plant to business software and the graphing tool provided to the City.

WTP 2 & 3 Well Telemetry Radio Survey & SCADA Programming, City of Clearwater, FL: Project manager. McKim & Creed provided a telemetry radio study for each well to determine the telemetry required and SCADA programming to include the new signals into Citech programming to include the new signal results in the SCADA database.

River Oaks AWWTP SCADA System Evaluation and Upgrade Design, Hillsborough County, FL: Project manager. McKim & Creed is providing services to assist in the investigation and documentation of the River Oaks AWWTP facility monitoring and control system to complete and distribute the plant control needs. Services include field investigation to review and update plant process and instrumentation drawings, upgrade design related to the distributing process control, enhancing I-O collection and alarming and streamlining control programming logic. McKim & Creed will produce a preliminary engineering report that will serve as the guiding document that will provide the county with preliminary design information and recommendations for the SCADA system upgrades and modifications.

Instrumentation Controls Telemetry and SCADA Integration Contracting Services, Collier County, FL: Project manager. McKim & Creed provided contracting services for Instrumentation, Controls, Telemetry and SCADA Integration Services. The services included the purchase, installation and configuration of software and hardware of Intellution iHistorian (5,000 Tag, Latest Compatible Version 3.1) for Generation of DEP Required Reports. McKim & Creed evaluated existing and required DEP reports including Proposed Operations Reports Manager Reports and Daily, Monthly and Annual Analog Status Reporting for the South Collier Water Reclamation Facility (SCWRF). Assistance and Implementation Training was also provided.

South Cross Bayou Programming and Configuration for SCADA Automation of the Sludge Thickening and Transfer Valves, Pinellas County, FL: Project manager. This project included valve control and I/O status, PLC programming, Wonderware screen creation, manual/automatic control of the 500 and 600 series valves, real-time display of all valves and all possible multiple routings of the pumped sludge. An on-screen matrix was configured so as to allow the operators to select the source and the destination of sludge with auto valve positioning and clear path verification checks to provide safe transfer of the product.

WPC SCADA Repairs and Improvements, City of Clearwater, FL: Project manager. McKim & Creed provided as-needed technical consulting to support the continued maintenance and operation of the computer hardware, software and HMI systems used by the Water Pollution Control Division in monitoring and control of the wastewater treatment facilities.

Fields of SpecializationInstrumentation, Control and
Automation

SCADA System Design

Hydraulic Modeling

Summary

Mr. Cote's areas of special competence are water and wastewater design, instrumentation design, wastewater reclamation systems, SCADA systems, plant operations, communications and computer programming. Mr. Cote has developed and continues to update McKim & Creed's comprehensive hydraulic model Forcemain©, which combines water system, gravity and force main wastewater systems, and reuse modeling, with GIS integration in a single program. Mr. Cote has developed the hydraulic model for the numerous cities and counties, for both the water distribution and sewer system using Forcemain©. His extensive knowledge and experience with the installation, operation, calibration and troubleshooting of process equipment, control systems, programmable controllers, computer application and instrumentation, is well known and respected by our clients.

EducationMS, Civil Engineering,
University of South FloridaBS, Civil Engineering,
University of South Florida**Professional Licensure**

PE / FL / 17650

PO Operator Class B,
Wastewater**Affiliations**

Florida Engineering Society

Selected Project Experience

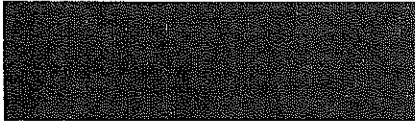
Reclaimed Water System SCADA Automation, City of St. Petersburg, FL: Instrumentation and controls engineer/modeler. McKim & Creed assisted the City of St. Petersburg with evaluations of operating conditions and control capability of the City's Water Reclamation Facilities to improve the management and control of the reclaimed water transmission and distribution systems. An "all pipes" dynamic hydraulic model, composed of 11,440 pipes, of the existing reclaimed water distribution system was created and utilized to simulate the various process control scenarios and operating protocols. The project included development of designs and implementation plans for SCADA infrastructure that will control the reclaimed water systems and, in the future, provide the City the ability to expand the use of automation within the Water Reclamation Facilities for more efficient plant operations.

Cosme Water Treatment Plant Miscellaneous Instrumentation Improvements, City of St. Petersburg, FL: Instrumentation and controls engineer. McKim & Creed provided engineering services to assist the City in upgrades to Solids Contact Basins 5 and 6 controls under this continuing services contract. After troubleshooting, a number of required corrections were identified to make the system functional. These efforts included providing updated wiring diagrams for SCB control logic for SCB controls; on-site direction and consulting on wiring modifications; revised PLC program for SCB and new program installation in existing PLC; start-up support for the upgraded control logic, wiring and programming; and providing updated wiring as-built diagrams for the City records.

Water Reclamation Facilities Automation SCADA System and Programming, City of St. Petersburg, FL: Instrumentation and controls engineer. McKim & Creed provided engineering consulting services related to SCADA system development and configuration for the Reclaimed Water System Automation Project work at each of the City's four Water Reclamation Facilities: AWWRF, NEWRF, NWWRF, SWWRF; the Water Resources Facility; and the associated remote monitoring stations.

Water Pollution Control Laboratory Information Management, City of Clearwater, FL: Software developer. McKim & Creed provided development of a new software program that provides for the management of laboratory data developed in the City's wastewater operations. The software included the chain of custody and quality control processes conducted, the preparation of reports required by the State of Florida and the communication of data between the three advanced wastewater treatment facilities operated by the City.

LIMS Data to SCADA Integration, Manatee County, FL: Senior technical specialist. The Manatee County LIMS (Laboratory Information Management System) uses Labworks software, by Perkin Elmer, on an Oracle database platform. The LIMS software provides the database for recording sample information, managing quality assurance, and validation of test results. The purpose of this work assignment is to develop a mechanism for automatic transfer of LIMS data to the SCADA database and compliance reporting database.



WPC LIMS Software Installation, City of Clearwater, FL: Senior instrumentation and controls engineer/programmer. McKim & Creed provided assistance to the City in the software implementation of the Laboratory Information Management System (LIMS) at the WPC consolidated laboratory. The software set-up required the customization of interfaces to the automated testing equipment utilized by the City's WPC Laboratory. The software was installed on a new server at Marshall Street APCF. Communications configuration and server configuration was required to support this installation.

WWTP SCADA Programming and Construction Services, Manatee County, FL: Senior instrumentation and controls engineer/programmer. McKim & Creed performed the installation and configuration, and developed customized screens (HMI) for the plant process control of each of the three wastewater treatment facilities. McKim & Creed also developed the database structure, programming and configuration for the Oracle database server used to store historic data generated from the SCADA system. The firm also provided interface programming to allow data to be retrieved for reporting and trending. McKim & Creed worked closely with the county's Information Services Department to configure system administration and security to meet the county's standards of practice.

WPC Process Control SCADA Additions, City of Clearwater, FL: Senior project engineer. McKim & Creed provided additional monitoring and control to be integrated with the existing PLC based control systems with PLC programming provided by McKim & Creed. The existing Citect SCADA system was also modified to incorporate the changes as they were completed as did the Plant to Business software and the graphing tool provided to the City.

Supervisory Control and Data Acquisition System (SCADA), Virginia Beach, VA: Instrumentation and controls engineer. McKim & Creed provided a "turnkey" service solution for a Supervisory Control and Data Acquisition System (SCADA) for the City of Virginia Beach's Department of Public Utilities that included all necessary hardware, software, training and support to replace existing SCADA hardware and software at the Dam Neck Road Control Center, the Lake Gaston Pump Station, along with the Lake Gaston valve batteries and weir stations. McKim & Creed is providing custom solutions for the alarm management (AMS) and database reporting, as part of a team, including Edison Automation and Citect.

SCADA System Evaluation and Standardization, Hillsborough County, FL: Instrumentation and controls engineer. McKim & Creed conducted an in-depth County-wide evaluation of the SCADA systems to identify existing equipment and software, and develop an approach for standardizing. Systems evaluated include water, wastewater, reclaimed, and bulk user systems. This project also included as-needed programming and integration services, to assist the County in correcting presently identified issues, and to begin implementing the standardization approach identified in the study portion of the project.

Utility SCADA Database Development, Marion County, FL: Senior instrumentation and controls engineer/programmer. McKim & Creed assisted GPI-Southeast with the initial phase of developing a SCADA system for Marion County Utilities. Tasks included understanding of system network access, database management, and set-up requirements; and provide configuration and programming of the SQL Database structure to support the existing and future County Utilities SCADA needs. Instruction on the database configuration and spreadsheet utilization.

Fields of Specialization

SCADA

Electrical Circuits and Design

HMI

EducationBS, Electrical Engineering,
Auburn University**Professional Licensure**

PE / FL / 62976

Summary

Mr. Robinson offers more than 25 years of experience working with and designing electrical controls, instrumentation and systems integration. His expertise encompasses mechanical and process components of systems. Mr. Robinson is proficient in Proworx and Concept programming languages, as well as Wonderware and Optigraphix.

Selected Project Experience

Reclaimed Water System SCADA Automation, City of St. Petersburg, FL: Project manager. McKim & Creed designed an overall SCADA system architecture to implement enhanced monitoring and control of the systems to improve efficiency and reliability. The project included development of designs and implementation plans for SCADA infrastructure that will control the reclaimed water systems and, in the future, provide the City the ability to expand the use of automation within the water reclamation facilities for more efficient plant operations.

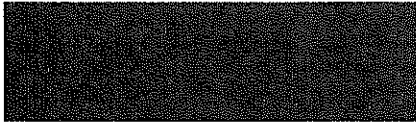
Water Pollution Control SCADA Improvements, City of Clearwater, FL: Instrumentation & controls engineer. The City of Clearwater operates three wastewater treatment facilities identified as the Marshall Street Advanced Pollution Control Facility (APCF), the Northeast APCF, and the East APCF. These facilities include many operational systems, equipment and treatment processes that require constant monitoring, control and adjustment to maintain proper operation and compliance monitoring. The City's existing monitoring and control systems are aging and, in many cases, utilize outdated equipment and technology. These Supervisory Control and Data Acquisition (SCADA) systems routinely need software and hardware upgrades to maintain currency with operational requirements and system reliability.

SCADA Historian Consolidation, WRF, City of St. Petersburg, FL: Project manager. McKim & Creed provided professional services for the integration of the existing WRF InTouch-based SCADA historian into the newly established Wonderware App-Server-based tiered historian structure, centralized at the WRS facility. The second phase effort associated with consolidating the SCADA data collection and archiving for all the City's SCADA systems included incorporating the water, water reclamation facilities, and collections into a single historian. As part of the previous phase one activities, McKim & Creed established the App-Server-based tiered historian structure and integrated the water systems, including the Cosme, WTPS, and the OPS.

Northeast Water Reclamation Facility (NEWRF) Reject Disposal SCADA, City of St. Petersburg, FL: Project manager. The City disposes of reject water to the injection wells or by filling the reclaimed water tanks with the reject water. Once the tanks are filled with reject water, the City must dispose of the water by using the injection wells. McKim & Creed provided the instrumentation and controls engineering services, configuration, programming and training to install additional valves and piping to allow the reject water to return the head of the plant for re-treatment and enable the City to monitor and control this process in the SCADA system.

LIMS Data to SCADA Integration, Manatee County, FL: Project manager. The Manatee County LIMS (Laboratory Information Management System) uses Labworks software, by Perkin Elmer, on an Oracle database platform. The LIMS software provides the database for recording sample information, managing quality assurance, and validation of test results. The purpose of this work assignment is to develop a mechanism for automatic transfer of LIMS data to the SCADA database and compliance reporting database.

Northwest Water Reclamation Facility (NWWRF) Reject Water Disposal System SCADA Integration, City of St. Petersburg, FL: Project manager. The City disposes of reject water to the injection wells or by filling the reclaimed water tanks with the



reject water. Once the tanks are filled with reject water, the City must dispose of the water by using the injection wells. McKim & Creed provided the instrumentation and controls engineering services, configuration, programming and training to install additional valves and piping to allow the reject water to return the head of the plant for re-treatment and enable the City to monitor and control this process in the SCADA system.

Oberly Pump Station SCADA, City of St. Petersburg, FL: Project manager. As part of the City of St. Petersburg's "Oberly Pumping Station Improvements, McKim & Creed modified the controls and instrumentation/ SCADA systems at the Oberly Pump Station, and the HMI system at the Cosme WTP. Modifications were made to accommodate changes in pumping controls for VFD operation, upgraded switch gear, stand-by power systems, and related systems. The existing SCADA systems at these facilities will require upgrades to accommodate the changes.

Northwest Water Reclamation Facility (NWWRF) Aeration Wonderware SCADA Screen Development, City of St. Petersburg, FL: Project manager. The City of St. Petersburg has converted their aeration basin No. 4 system from surface aeration to a blower-based system. McKim & Creed assisted in the integration of these features into the Northwest WRF Plant SCADA system, to allow the operators to monitor and control the aeration basin No. 4 blower system. McKim & Creed created new screens for the aeration system, following the conventions used for the existing PanelView Touchscreen OIT; provided alarm modification and commissioning, updated INSQL /SQL with the new tags and alarms; and provided updates to O&M documentation and a training session for the interface and operation of the new SCADA screens.

Water Reclamation Facilities Automation SCADA System and Programming, City of St. Petersburg, FL: Project manager. McKim & Creed provided engineering consulting services related to SCADA system development and configuration for the reclaimed water system automation project work at each of the City's four water reclamation facilities: AWWRF, NEWRF, NWWRF, SWWRF; the Water Resources Facility; and the associated remote monitoring stations.

Albert Whitted WRF Automation Improvements, City of St. Petersburg, FL: Project manager. Scope of work included automatic-mode control improvements and control room graphic panel pump status indication for dual-use pumps No. 2 and No. 4, as well as integration of pump status indication with existing DCC telemetry system for these pumps and high-head pumps No. 1 and No. 3. McKim & Creed was responsible for PLC programming and designing the wiring interfaces to the existing VFDs for these modifications. Documentation for all program modifications were provided to the City for archival. The project was completed in one week.

Supervisory Control and Data Acquisition System (SCADA), Virginia Beach, VA: Project manager. McKim & Creed provided a "turnkey" service solution for a Supervisory Control and Data Acquisition System (SCADA) for the City of Virginia Beach's Department of Public Utilities that included all necessary hardware, software, training and support. The purpose of this project was to replace existing SCADA hardware and software at the Dam Neck Road Control Center, the Lake Gaston Pump Station, along with the Lake Gaston valve batteries and weir stations. McKim & Creed is providing custom solutions for the alarm management (AMS) and database reporting, as part of a team, including Edison Automation and Citect.

SCADA System Evaluation and Standardization, Hillsborough County, FL: Client manager/technical advisor. McKim & Creed conducted an in-depth County-wide evaluation of the SCADA systems to identify existing equipment and software, and develop an approach for standardizing. Systems evaluated include water, wastewater, reclaimed, and bulk user systems. This project also included as-needed programming and integration services, to assist the County in correcting presently identified issues, and to begin implementing the standardization approach identified in the study portion of the project.

Fields of Specialization

SCADA

HMI

PLC Programming

Electrical Circuits and Design

Electrical Control Panel Design

EducationBSEE, Electrical Engineering,
University of South FloridaAS, Computer and Electrical
Engineering, Tampa Technical
Community CollegeAA, General Studies, St.
Petersburg College**Summary**

Mr. Brown offers extensive experience in designing, building and installing hardware for SCADA applications in the wastewater and water industries. Mr. Brown is well-versed in PLC programming using Siemens, Schneider Electric (Modicon), Emerson (Bristol Babcock) and Allen Bradley applications and has experience with numerous SCADA related software packages including Wonderware, Citect, VTSCADA and Intellution.

Selected Project Experience

SCADA Consolidation Phase I, Water, City of St. Petersburg, FL: Instrumentation and controls designer. Prior to this project, the City of St. Petersburg operated and maintained an independent SCADA system for their water facilities that is centralized at the Cosme Water Treatment Plant (WTP) where there is no connectivity or access to the operational data from the Water Resources Department (WRD) facility. McKim & Creed provided the instrumentation and controls engineering services to link the water system SCADA with the WRD facility, allowing for access to the available operational information and for simplified system management. Additionally, McKim & Creed provided services to implement centralized data collection and historian functionality at the WRD facility to provide for expanded data access and reporting capabilities and to centralize historical data management.

WTP 2 Interconnect and Well SCADA Work, City of Clearwater, FL:

Instrumentation & controls designer. The City of Clearwater operates three Water Treatment Plants (WTP) and 19 water supply wells. The City has installed a new SCADA system at WTP 1 and at each of the associated 10 wells that service WTP 1. The City has installed new HMI software at WTPs 2 & 3. With these new plant instrumentation and controls improvements, the City now has 5000 tag SCADA system licenses at all three water plants. They have revised the HMI Screens and renamed tags at all three water plants. SCADA programming changes were also made to accommodate the County's water meter requirements. This project addresses SCADA work at the Pinellas County water interconnect located near WTP 2 and SCADA work for wells that pump to WTP's 2 and 3.

SCADA Historian Consolidation, WRF, City of St. Petersburg, FL: Instrumentation and controls designer. McKim & Creed provided professional services for the integration of the existing WRF InTouch-based SCADA historian into the newly established Wonderware App-Server-based tiered historian structure, centralized at the WRS facility. The second phase effort associated with consolidating the SCADA data collection and archiving for all the City's SCADA systems included incorporating the water, water reclamation facilities, and collections into a single historian. As part of the previous phase one activities, McKim & Creed established the App-Server-based tiered historian structure and integrated the water systems, including the Cosme, WTPS, and the OPS.

Lift Station SCADA Phase 2, Standard Design Packages, Hillsborough County, FL:

Instrumentation and controls designer. Hillsborough County has approximately 650 wastewater pump stations. Of that, approximately 150 have been provided with Supervisory Control and Data Acquisition (SCADA) equipment and services under (Phase I). Phase II furnished the remaining 500 stations with SCADA equipment and services. This scope of services addressed the development of new standard pump station control panel design packages, including typical duplex and triplex stations and associated updated electrical interfacing.

New SCADA Computer and Reporting Software Configuration, City of Oldsmar, FL:

Instrumentation and controls designer. McKim & Creed replaced an existing SCADA computer with a new computer to allow the Wonderware Historian and Historian Client reporting software to install correctly and operate efficiently.



Northwest Water Reclamation Facility (NWWRF) Aeration Wonderware SCADA Screen Development, City of St. Petersburg, FL: Instrumentation and controls programmer. McKim & Creed assisted in the integration of features into the Northwest WRF Plant SCADA system, to allow the operators to monitor and control the Aeration Basin No. 4 Blower System. McKim & Creed created new screens for the Aeration system, following the conventions used for the existing PanelView Touchscreen OIT; provided alarm modification and commissioning, updated INSQL / SQL with the new tags and alarms; and provided updates to O&M documentation and a training session for the interface and operation of the new SCADA screens.

WWTP SCADA Programming and Construction Services, Manatee County, Bradenton, FL: Project instrumentation and controls designer/programmer. McKim & Creed performed the installation and configuration, and developed customized screens (HMI) for the plant process control of each of the three wastewater treatment facilities. McKim & Creed also developed the database structure, programming and configuration for the Oracle database server used to store historic data generated from the SCADA system. The firm also provided interface programming to allow data to be retrieved for reporting and trending. McKim & Creed worked closely with the county's Information Services Department (ISD) to configure system administration and security to meet the county's standards of practice.

WPC LIMS Software Installation, City of Clearwater, FL: Instrumentation and controls designer. McKim & Creed provided assistance to the City in the software implementation of the Laboratory Information Management System (LIMS) at the WPC Consolidated laboratory. The software set-up required the customization of interfaces to the automated testing equipment utilized by the City's WPC Laboratory. The software was installed on a new server at Marshall Street APCF. Communications configuration and server configuration was required to support this installation.

Water Reclamation Facilities Automation SCADA System and Programming, City of St. Petersburg, FL: Instrumentation and controls designer/programmer. McKim & Creed provided engineering consulting services related to SCADA system development and configuration for the Reclaimed Water System Automation Project work at each of the City's four Water Reclamation Facilities: AWWRF, NEWRF, NWWRF, SWWRF; the Water Resources Facility; and the associated remote monitoring stations.

Water Pollution Control SCADA Improvements, City of Clearwater, FL: Instrumentation & controls designer. The City of Clearwater operates three wastewater treatment facilities identified as the Marshall Street Advanced Pollution Control Facility (APCF), the Northeast APCF, and the East APCF. These facilities include many operational systems, equipment and treatment processes that require constant monitoring, control and adjustment to maintain proper operation and compliance monitoring. The City's existing monitoring and control systems are aging and, in many cases, utilize outdated equipment and technology. These Supervisory Control and Data Acquisition (SCADA) systems routinely need software and hardware upgrades to maintain currency with operational requirements and system reliability. This project included the engineering, computer systems and PLC programming technical support to implement an upgrade to the in-plant SCADA systems, instrumentation/control systems, and to the communications systems for the three wastewater treatment facilities.

Fields of Specialization

PLC Programming
HMI Programming
AutoCAD
Power & Distribution

Education

BS, Electronics & Control
Engineering, National
Polytechnic University

Professional Licensure

EI / FL / 1100011107

Certifications

NICET Certification
FEMA-ICS100
FEMA-ICS700

Summary

Mr. Velecela specializes in instrumentation and controls design and programming and has provided these services for municipal utility clients across the southeast. As instrumentation technician for Collier County, Mr. Velecela performed maintenance and upgrades for their electrical industrial equipment, instrumentation, programmable controllers, operator interfaces, SCADA network system and fiber for their water distribution system. Mr. Velecela has a thorough understanding of various software packages, including RSView32, InTouch, Allen Bradley, Siemens and Modicom controllers. His expertise also extends to electrical power and distribution having prior experience as an electrician and low voltage technician in the past. Mr. Velecela offers more than 13 years of experience working with instrumentation, automation, and control systems.

Selected Project Experience

Water Reclamation Facilities Automation SCADA System and Programming, City of St. Petersburg, FL: Instrumentation and controls engineer/programmer. McKim & Creed provided engineering consulting services related to SCADA system development and configuration for the Reclaimed Water System Automation Project work at each of the City's four Water Reclamation Facilities: AWWRF, NEWRF, NWWRF, SWWRF; the Water Resources Facility; and the associated remote monitoring stations.

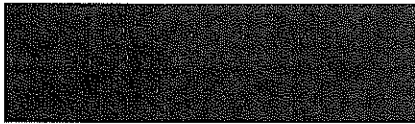
Washington Terrace Pump Station SCADA, City of St. Petersburg, FL: Instrumentation and controls engineer/programmer. McKim & Creed provided SCADA/PLC programming services and limited construction services at the Washington Terrace and Oberly pump stations and the associated integration at the Cosme Water Treatment Plant.

Oberly Pump Station SCADA, City of St. Petersburg, FL: Instrumentation and controls engineer. McKim & Creed modified the controls and instrumentation/SCADA systems at the Oberly Pump Station, and the HMI system at the Cosme WTP. Modifications were made to accommodate changes in pumping controls for VFD operation, upgraded switch gear, stand-by power systems, and related systems. The existing SCADA systems at these facilities will require upgrades to accommodate the changes.

IQ Water System Programming Modifications, Collier County, FL: Instrumentation and controls engineer/programmer. McKim & Creed is providing professional engineering services to complete the Foxfire Irrigation Quality (IQ) design and IQ reporting for remote sites. These sites provide monitoring information for the remote site operation to the SCADA system and this information is used by the utilities management in understanding the operation of the IQ system. Issues impact the ability to accurately understand and monitor the operations of these locations. McKim & Creed investigated and provided programming modifications of the existing controls systems to reflect actual operating conditions and provide additional monitoring and control capability.

Lift Station SCADA Phase 2, Standard Design Packages, Hillsborough County, FL: Instrumentation and controls engineer. Hillsborough County has approximately 650 wastewater pump stations. Of that, approximately 150 have been provided with Supervisory Control and Data Acquisition (SCADA) equipment and services under (Phase I). Phase II furnished the remaining 500 stations with SCADA equipment and services. This scope of services addressed the development of new standard pump station control panel design packages, including typical duplex and triplex stations and associated updated electrical interfacing.

WWTP SCADA System Programming, Diagnostics and Repair, City of Tarpon Springs, FL: Instrumentation and controls engineer/programmer. McKim & Creed provided miscellaneous preventative maintenance, inspection, repair and



programming of the SCADA control system and associated components located at various facilities throughout the City of Tarpon Springs' wastewater treatment system.

Carlton WTP SCADA Upgrade, Program, Sarasota County, FL: Instrumentation and controls engineer/programmer. McKim & Creed provided the SCADA configuration and software development related to the conversion of existing legacy Transdyne Dynac SCADA system to Wonderware System Platform architecture. The plant experienced a catastrophic failure of one of the primary computer services. All the plant operations were running on the remaining single aged server computer, with no direct back-up. Remedy of this legacy system was critical to the continued operation of the facility and required a fast tracked schedule to complete. McKim & Creed interrogated the existing server to obtain the information in order to convert the system to the Wonderware System Platform.

WWTP SCADA Programming and Construction Services, Manatee County, FL: Instrumentation and controls engineer/programmer. This phase of the project included the programming and construction services necessary to complete the implementation of the SCADA system between the three regional water reclamation facilities as well as to other designated county sites. It also involved interconnection of the in-plant SCADA hardware, software and database configurations. McKim & Creed's responsibilities included developing PLC programs to monitor and control existing controlled systems, establishing configurations and installations of computers used to communicate between SCADA work stations, and monitoring and controlling process equipment and devices.

WTP 2 & 3 Well Telemetry Radio Survey & SCADA Programming, City of Clearwater, FL: Instrumentation and controls engineer/programmer. Telemetry radio study for each well to determine the telemetry required and SCADA programming to include the new signals into Citech programming to include the new signal results in the SCADA database.

River Oaks AWWTP SCADA System Evaluation and Upgrade Design, Hillsborough County, FL: Instrumentation and controls engineer/programmer. McKim & Creed is providing services to assist in the investigation and documentation of the facility monitoring and control system to complete and distribute the plant control needs. Services include field investigation to review and update plant process and instrumentation drawings, upgrade design related to the distributing process control, enhancing I-O collection and alarming and streamlining control programming logic. McKim & Creed will produce a preliminary engineering report that will serve as the guiding document that will provide the county with preliminary design information and recommendations for the SCADA system upgrades. A mechanism for automatic transfer of LIMS data to the SCADA database and compliance reporting database.

South County Potable Water Re-Pump Station, Hillsborough County, FL: Instrumentation & controls designer. The Hillsborough County Engineering Services Group Technical Design Team prepared a South County Potable Water Re-Pump Station Preliminary Design Report. The report proposed to construct a re-pump station and ground storage tank adjacent to the existing South County AWWTP to meet peak water demands in the South-Central Service Area of Hillsborough County, which have experienced low pressures. McKim & Creed provided project coordination, final design, permitting and bidding phase services. The station consists of a 3 MG pre-stressed concrete tank, enclosed pump/electrical building with associated parking lot and stormwater pond area, and a 20-inch transmission fill/discharge line. The project site layout is to be coordinated with the two recently proposed reclaimed water ground storage tanks.

Fields of Specialization

Instrumentation & Controls

SCADA

Automation Design

EducationBSEE, Electrical Engineering,
University of South Florida**Affiliations**IEEE Eta Kappa Nu Honor
Society

IEEE

Summary

Mr. Whisenhunt is a recent graduate from the University of South Florida and is a member of the Instrumentation and Controls team at McKim & Creed. Since joining McKim & Creed Mr. Whisenhunt has gained extensive knowledge in Human Machine Interface software packages such as the Wonderware platforms InTouch and Archestra as well as experience with Citect and FactoryTalk. He has provided HMI services to clients in the region and most recently with the City of North Port's new Myakkahatchee Creek Reverse Osmosis WTP. As an instrumentation and controls designer he has performed server maintenance, existing SCADA interrogation, SCADA upgrades, network configuration and thorough testing of new installations.

Selected Project Experience

Carlton WTP SCADA Upgrade Design & Bidding, Sarasota County, FL: Instrumentation and controls designer. The Sarasota County Carlton EDR WTP SCADA system operated utilizing a mixture of the originally installed Transdyn HMI software and Wonderware HMI software. The primary computer servers supporting the SCADA system utilized older technology DEC platform machines which are difficult to service and support. The County desired to consolidate the SCADA HMI system to a current-version common platform, to provide for a unified and consistent HMI deployment which is more functional, more user-friendly, and easier to maintain and support. For this project, McKim & Creed developed the design and integration details and documents for the Archestra-based Wonderware System Platform for the WTP SCADA system architecture and the component and computer hardware upgrades necessary to enable a common SCADA system platform.

River Oaks AWWTP SCADA System Evaluation and Upgrade Design, Hillsborough County, Tampa, FL: Instrumentation and controls designer. McKim & Creed is providing services to assist in the investigation and documentation of the River Oaks AWWTP facility monitoring and control system to complete and distribute the plant control needs. Services include field investigation to review and update plant process and instrumentation drawings, upgrade design related to the distributing process control, enhancing I-O collection and alarming and streamlining control programming logic. McKim & Creed will produce a preliminary engineering report that will serve as the guiding document that will provide the county with preliminary design information and recommendations for the SCADA system upgrades and modifications.

Myakkahatchee Creek Water Treatment Plant Reverse Osmosis Reliability Project, City of North Port, FL: Instrumentation and controls designer. McKim & Creed provided water supply source analyses, pilot testing, permitting, design and construction services for a new water supply source and a new 1.5 MGD RO water treatment system. The design of the project included scheduling and phasing of the new facilities to ensure the ability of the existing plant to produce water during construction. Coordination and other services needed to meet the requirements for obtaining the SWFWMD cooperative funding were also provided as part of this project.

SCADA Historian Consolidation, Water Reclamation Facilities, City of St. Petersburg, FL: Instrumentation and controls designer. McKim & Creed provided professional services for the integration of the existing WRF InTouch-based SCADA historian into the newly established Wonderware App-Server-based tiered historian structure, centralized at the WRS facility. The second phase effort associated with consolidating the SCADA data collection and archiving for all the City's SCADA systems included incorporating the water, water reclamation facilities, and collections into a single historian. As part of the previous phase one activities, McKim & Creed established the App-Server-based tiered historian structure and integrated the water systems, including the Cosme, WTPS, and the OPS.

Fields of Specialization

Instrumentation & Controls

SCADA

Automation Design

Summary

Mrs. Vaisizadeh graduated from the University of South Florida in May of 2012 with a degree in electrical engineering. Mrs. Vaisizadeh joins McKim & Creed after her time with Intertape Polymer Group (IPG), an integrated provider of tape and case sealing machinery. At IPC Mrs. Vaisizadeh had the opportunity of working with various PLCs such as Allen Bradley, Mitsubishi and Koyo. She was responsible for completing AutoCAD drawings of electrical schematics and diagrams, writing and modifying PLC programs, troubleshooting and documenting. Mrs. Vaisizadeh brings to McKim & Creed skills and knowledge in Control Maestro, Altium Designer, AutoCAD, Oracle (PSPICE), Advanced Design System (ADS) and SCADA Systems.

EducationBSEE, Electrical Engineering,
University of South Florida

AA, St. Petersburg College

AffiliationsIEEE Eta Kappa Nu Honor
Society**Certification**

Today's OSHA

Selected Project Experience

Prior to joining McKim & Creed


Amazon Project, Intertape Polymer Group, Bradenton, FL: IPG designed a custom Water-Activated Taper for Amazon. The electrical design of the project included detecting different type of tapes using color sensors, having a special keypad that each button could be programmed by the user to dispense different lengths of tape. Mrs. Vaisizadeh was involved with modifying the program written in C language, wiring the electrical components, and upgrading the electronics controller circuit board.

Water Activated Case Sealer, Intertape Polymer Group, Bradenton, FL: The water activated case sealer machine is a semiautomatic case sealer using water activated tape for a fast and secure seal. The system is composed of a complicated electrical design and operates using PLCs. Mrs. Vaisizadeh was involved with adding extra electrical components such as safety switches, extra sensors, and modifying Ladder-Logic program accordingly. She also installed and designed Weintek HMI for this machine.

Relevant experience includes:

- Develop a Computational Fluid Dynamics (CFD) model for optimization of commercial HVAC
- Create a quick and easy graphical tool for modeling and analyzing any site's Building Management System (BMS) and its mechanical components which will ultimately result in energy savings
- Built a baseband RF transceivers for generating audio frequency
- Designed a PID controller system in order to gain the control of temperature and water level in a closed-loop system
- Designed a Software Defined Radio (SDR)
- Designed a four-bit calculator using logic gates

State of Florida
 Board of Professional Engineers
 Attests that
Alan Street Lee, P.E.

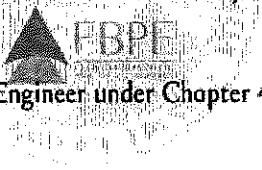


Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
 Expiration: 2/28/2015
 Audit No: 228201526354

P.E. Lic. No:
49212

Principal-in-Charge
 A. Street Lee, PE
 PE / FL / 48212

State of Florida
 Board of Professional Engineers
 Attests that
Michael David Tweedel, P.E.

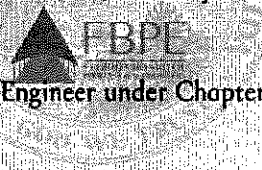


Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
 Expiration: 2/28/2015
 Audit No: 228201528026

P.E. Lic. No:
60940

Project Manager
 Michael D. Tweedel, PE
 PE / FL / 60940

State of Florida
 Board of Professional Engineers
 Attests that
Daniel Henri Cote, P.E.

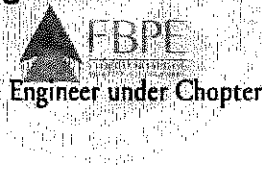


Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
 Expiration: 2/28/2015
 Audit No: 228201505967

P.E. Lic. No:
17650

Project Engineering
 Daniel H. Cote, PE
 PE / FL / 17650

State of Florida
 Board of Professional Engineers
 Attests that
Thomas Eugene Robinson Jr., P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
 Expiration: 2/28/2015
 Audit No: 228201528364

P.E. Lic. No:
62976

Project Engineering
 T. Gene Robinson, Jr., PE
 PE / FL / 62976

Criteria 6- References

a. A list of three applicable references is to be provided for customers whose design was incorporated or undertaken by the Contractor within the last five years. The list should include: i. company name and address ii. contracting officer and relevant telephone number iii. technical representative and relevant telephone number iv. a brief, written description of the project v. project value quoted for integration services work for each project.

Collier County

3299 Tamiami Trail East
Naples, FL 34112

Contracting Officer
Aaron C. Cromer, PE
Principal Project Manager
(239) 252-5338

Technical Representative
Aaron C. Cromer, PE
Principal Project Manager
(239) 252-5338

Completed: 2011

Collier County Foxfire IQ Station Master Plan, Collier County, FL:

McKim & Creed provided design services to develop a master plan for local and SCADA-based control for the upgrade of operation at the Foxfire IQ Station. The controls at this station include several flow, pressure and level transmitters, pressure regulating and motor operated valves, variable and constant speed motor controls, local control panels including PLC and RTU controls and radio communications. This grouping of equipment represents a broad sampling of the various types of controls utilized throughout the County, making this a suitable station for trials of new control capabilities. The results of this effort were structured so the County could evaluate the implementation work in parts and implement as operational and financial considerations allowed.

Project value quoted for integration services work: \$750,000 annually.

City of St. Petersburg

1650 Third Avenue North
St. Petersburg, FL 33731

Contracting Officer
Evelyn Rosetti
Water Resources
(727) 893-7297

Technical Representative
Bob Labrie
Computer Systems Coordinator
(727) 892-5621

Completed: 2013

SCADA Historian Consolidation, Water Reclamation Facilities, City of St. Petersburg, FL:

McKim & Creed provided professional services for the integration of the existing WRF InTouch-based SCADA historian into the newly established Wonderware App-Server-based tiered historian structure, centralized at the WRS facility. The second phase effort associated with consolidating the SCADA data collection and archiving for all the City's SCADA systems included incorporating the water, water reclamation facilities, and collections into a single historian. As part of the previous phase one activities, McKim & Creed established the App-Server-based tiered historian structure and integrated the water systems, including the Cosme, WTPS, and the OPS.

Project value quoted for integration services work: \$166,883.

Sarasota County

1001 Sarasota Center Boulevard
Sarasota, FL 34240

Contracting Officer

Seton Katz, PE
Project Manager, Public Works
(941) 861-0897

Technical Representative

Seton Katz, PE
Project Manager, Public Works
(941) 861-0897

Completed: 2012

Carlton WTP SCADA Upgrade Design & Bidding, Sarasota

County, FL: The Sarasota County Carlton EDR WTP SCADA system operated utilizing a mixture of the originally installed Transdyn HMI software and Wonderware HMI software. The primary computer servers supporting the SCADA system utilized older technology DEC platform machines which are difficult to service and support. The County desired to consolidate the SCADA HMI system to a current-version common platform, to provide for a unified and consistent HMI deployment which is more functional, more user-friendly and easier to maintain and support. For this project, McKim & Creed developed the design and integration details and documents for the WTP SCADA system architecture and the component and computer hardware upgrades necessary to enable a common SCADA system platform. McKim & Creed also provided the SCADA configuration and software development related to the conversion of existing legacy Transdyne Dynac SCADA system to Wonderware System Platform architecture. The plant experienced a catastrophic failure of one of the primary computer services. All the plant operations were running on the remaining single aged server computer, with no direct back-up. Remedy of this legacy system was critical to the continued operation of the facility and required a fast tracked schedule to complete. McKim & Creed interrogated the existing server to obtain the information in order to convert the system to the Wonderware System Platform.

Project value quoted for integration services work: \$204,192.

“Your entire staff at McKim and Creed did a great job on this project. You thoroughly understood the complexities of this challenging project and the limitations and risks inherent in directional boring of this type. You brought that knowledge and your experience to bear during design and execution. This was a high profile project, with direct involvement of executive management and extreme regulatory oversight. When things got challenging, as we knew they would, you stayed focused on the task at hand – completing the project without delay or excess cost to the County or the Contractor. In the end, the residents were happy, the project was completed successfully, there were no change orders, regulatory shut-downs or time extensions and even the Contract is happy.”

~Seton Katz, PE



Criteria 7 - Software Application Qualifications

a. Provide a detailed listing of SCADA and PLC programming software that you are qualified to modify, install, or program.

Rockwell/ Allen-Bradley

- FactoryTalk View
- RSView
- RSLogix 5
- RSLogix 500
- RSLogix 5000
- RSNetwork

Schneider Electric

- Concept
- ProWorx Nxt
- ProWorx 32
- Model 50 Boolean
- Unity

Trihedral Engineering

- VTSCADA

Bristol Babcock

- Accol

Siemens

- Simatic Step 7 / Microwin 32

Wonderware

- Intouch
- Historian
- Historian Client
- AppServer

GE

- iHistorian
- iFix

Citect

- CitectSCADA
- Historian Web Server (IIS)
- CitectHistorian
- CitectSCADA Reports

Spector Instruments

- Win-911

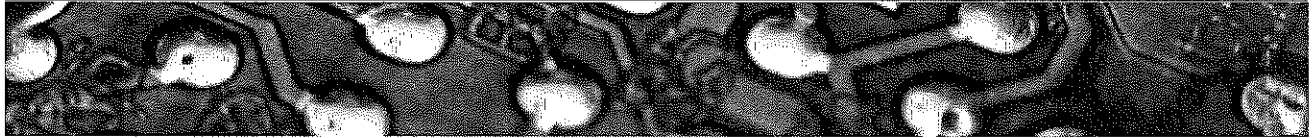
Microsoft

- All operating systems
- Office products
- SQL Server
- Visual Basic
- Visual Basic.Net

McKim & Creed also has the necessary equipment and materials for project support and execution.

Instrumentation

- Pressure transmitters/Differential pressure transmitters- Rosenmount; E&H; Foxboro; ABB; Omega
- Flow meters- ISCO; Sparling (Mag & Propeller); PFS; McCrometer; Water Specialties; Fui; ABB; Polysonics; PFS; Badger
- Level transmitters- Milltronics; Drexelbrook; Transcat
- Calibration instruments- Fluke; Transcat; Exttech; Sony Tektronix
- Process analyzers- Chlorine, pH, Conductivity, TSS, DO Analyzers; Hach, Great Lakes, ChemScan



Controls

- Basic VFD operation, motor control circuits and equipment, operator interfaces, relay logic control circuitry and equipment, PLC controls
- Firetrol Fire-duty Pump Control Systems; Auxiliary Generating Equipment; Diesel Fire Pumps
- VFD Programming/Configuration; Allen-Bradley; Square D; Robincon; Cutler-Hammer; Eaton; Westinghouse; ABB; Toshiba

Siemens PLC

- PLCs- S7-200, S7-300 Series

GE

- Fanuc Series 90

Semaphore

- Kingfisher

Telemetry Hardware

- Fiber Optic Cable Terminations and Testing
- RF Antenna Cable Terminations and Testing
- Microwave Data Systems Broadband Radios
- Microwave Data Systems UHF Radios
- Phoenix Contact Radios
- Freewave Radios
- CalAmp Radios
- Elpro Radios

SCADA Equipment

Allen-Bradley PLC

- SLC 50X, PLC-5
- Micrologix
- CompactLogix
- ControlLogix

Schneider Electric

- Momentum
- Quantum
- M340
- SCADAPack

Bristol Babcock

- PLCs- 3305 & 3330

AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS

SOLICITATION NO.: 130310 PROJECT NAME: Control, Telemetry, Security and SCADA
Integration Services

LEE COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) {SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

LEE COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY LEE COUNTY.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: McKim & Creed, Inc.
John A. Valosky Automation Group Manager April 29, 2013
Signature Title Date

STATE OF Florida
COUNTY OF Pinellas

The foregoing instrument was signed and acknowledged before me this 25th day of MARCH 2013, by John A. Valosky who has produced:

(Print or Type Name)
KNOWN TO ME as identification.
(Type of Identification and Number)

Diane T. Achinelli
Notary Public Signature

DIANE T. ACHINELLI
Printed Name of Notary Public
DIANE T. ACHINELLI
MY COMMISSION # DD978176
EXPIRES April 01, 2014
Notary Commission Number/Expiration

The signee of this Affidavit guarantee, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. **LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

NOTE REQUIREMENT: IT IS THE SOLE RESPONSIBILITY OF THE VENDOR TO CHECK LEE COUNTY PROCUREMENT MANAGEMENT WEB SITE FOR ANY PROJECT ADDENDA ISSUED FOR THIS PROJECT. THE COUNTY WILL POST ADDENDA TO THIS WEB PAGE, BUT WILL NOT NOTIFY.

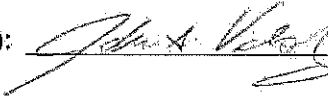
The undersigned acknowledges
receipt of Addenda numbers: Addenda 1, 3) 2/11/13

ANTI-COLLUSION STATEMENT

THE BELOW SIGNED BIDDER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS BID WITH OTHER BIDDERS AND HAS NOT COLLUDED WITH ANY OTHER BIDDER OR PARTIES TO A BID WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIALS (AS APPLICABLE).

FIRM NAME: McKim & Creed, Inc.

BY (Printed): John A. Valosky

BY (Signature): 

TITLE: Automation Group Manager

FEDERAL ID # OR S.S.# 56-216769

ADDRESS: 1365 Hamlet Avenue

Clearwater, FL 33756

PHONE NO.: (727) 442-7196

FAX NO.: (727) 461-3827

CELLULAR PHONE/PAGER NO.: (215) 896-9353

DUNS#: 04-693-9948

LEE COUNTY LOCAL BUSINESS TAX ACCOUNT NUMBER:

E-MAIL ADDRESS: jvalosky@mckimcreed.com

DISADVANTAGED BUSINESS ENTERPRISE (DBE): Yes X No

ATTACHMENT A

LEE COUNTY PROCUREMENT MANAGEMENT - BIDDERS CHECK LIST

IMPORTANT: Please read carefully and return with your bid proposal. Please check off each of the following items as the necessary action is completed:

- 1. The Solicitation has been signed and with corporate seal (if applicable).
- 2. The Solicitation prices offered have been reviewed (if applicable).
- NA 3. The price extensions and totals have been checked (if applicable).
- NA 4. Substantial and final completion days inserted (if applicable).
- 5. The original (must be manually signed) and 1 hard copy original and others as specified of the Solicitation has been submitted.
- NA 6. Two (2) identical sets of descriptive literature, brochures and/or data (if required) have been submitted under separate cover.
- 7. All modifications have been acknowledged in the space provided.
- 8. All addendums issued, if any, have been acknowledged in the space provided.
- 9. Licenses (if applicable) have been inserted.
- 10. Erasures or other changes made to the Solicitation document have been initialed by the person signing the Solicitation.
- NA 11. Contractor's Qualification Questionnaire and Lee County Contractor History (if applicable).
- NA 12. DBE Participation form completed and/or signed or good faith documentation.
- NA 13. Bid Bond and/or certified Check, (if required) have been submitted with the Solicitation in amounts indicated.
- 14. Any Delivery information required is included.
- 15. Affidavit Certification Immigration Signed and Notarized
- NA 16. Local Bidder Preference Affidavit (if applicable)
- 17. The mailing envelope has been addressed to:

MAILING ADDRESS Lee County Procurement Mgmt. P.O. Box 398 Ft. Myers, FL 33902-0398	or	PHYSICAL ADDRESS Lee County Procurement Mgmt. 1825 Hendry St 3 rd Floor Ft. Myers, FL 33901
--	----	--
- 18. The mailing envelope **MUST** be sealed and marked with:
Solicitation Number
Opening Date and/or Receiving Date
- 19. The Solicitation will be mailed or delivered in time to be received no later than the specified opening date and time. (Otherwise Solicitation cannot be considered or accepted.)

ATTACHMENT A

INFORMAL BID NO.:130310

NA 20. If submitting a "NO BID" please write Solicitation number here _____ and check one of the following:

Do not offer this product Insufficient time to respond.

Unable to meet specifications (why)

Unable to meet bond or insurance requirement.

Other: _____

Company Name and Address:

McKim & Creed, Inc.

1365 Hamlet Avenue, Clearwater, FL 33756

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20130500

1. ACTION REQUESTED/PURPOSE:

- A) Concur with the recommendation of the Selection Committee to award a contract to five Contractors under RFQ130310 CONTROL, TELEMETRY, SECURITY & SCADA INTEGRATION SERVICES as follows: Blackburn Controls, Inc. dba BCI Technologies (Fort Myers); Curry Controls Company (Lakeland); KW Controls, Inc. (Venice); McKim & Creed, Inc. (Clearwater); and Benro Enterprises, Inc. dba Rocha Controls (Tampa).
- B) Authorize staff to negotiate on a project-by-project basis with these five Contractors for an initial contract period of two years, with the option to renew for up to three additional one year periods.
- C) Approve a total annual estimated expenditure for these services in an amount not to exceed \$1,500,000.
- D) Authorize Chair to execute agreements upon final negotiations.

2. FUNDING SOURCE:

Fund: Utilities Operating and Utilities Capital Improvements; Program: Water & Wastewater Treatment Plants & Capital Projects; Projects: Other Contracted Services, Electrical Equipment Upgrades/Replacements, SCADA Upgrades and Improvements, Olga WTP Improvements, Energy Management Initiatives Program; Facility-Wide Security Systems; and County-wide Fiber Optic Network. Funds are budgeted in the LCU Capital Improvement and Operating budgets annually for anticipated costs of new or upgraded equipment and systems.

3. WHAT ACTION ACCOMPLISHES:

Provides the County with five contractors to perform work on an "as need" basis. The contractors will provide various repairs, services and new installations of our control, telemetry, security, and SCADA systems at both existing and new facilities.

4. MANAGEMENT RECOMMENDATION: Approve

5. Departmental Category: C13C

6. Meeting Date: 6/18/2013

7. Agenda:

Consent

8. Requirement/Purpose: *(specify)*

- Statute
- Ordinance
- Admin Code AC-4-4
- Other

9. Request Initiated

Commissioner:
Department: UTILITIES
Division: No Divisions
By: Pam Keyes

10. Background:

Letters of Qualifications were solicited on behalf of the Board of County Commissioners for RFQ130310 CONTROL, TELEMETRY, SECURITY & SCADA INTEGRATION SERVICES. The deadline for receipt of Letters of Qualifications was April 9, 2013. A total of six Letters of Qualifications were considered at the Committee meeting held on April 22, 2013. The Committee voting members consisted of Pam Keyes, Interim Assistant County Manager, Chair; Doug Meyer, Utilities; and Mikes Maillakakis, Utilities. Based on the information submitted by the Consultants in their Letters of Qualifications, it was the consensus of the Committee to short list five firms for telephone interviews. Telephone interviews were conducted on May 2, 2013 with the "short list" firms.

At the committee meetings the committee members deemed five firms, each scoring a minimum of 30 points out of 50, most qualified. The evaluation was based primarily upon: company qualifications, contractor qualifications, system experience, contractor's history/experience, staff credentials, references, and software application qualifications.

11. Required Review:

<i>Pam Keyes</i>	<i>Emma Wolf</i>	<i>David Harris</i>	<i>Robert Franceschini</i>	<i>Dawn Perry-Lehnert</i>	<i>Pam Keyes</i>
UTILITIES	Budget Analyst	Budget Services	Purchasing	County Attorney	Public Works Director

12. Commission Action:

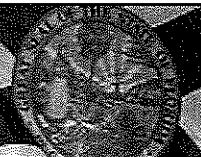
On the basis of the information submitted by each firm in their Letter of Qualifications, and after conducting the telephone interviews on May 2, 2013, the consensus of the Committee was to recommend award to, and request Board approval for staff to negotiate on a project-by-project basis with, five firms as follows: Blackburn Controls, Inc. dba BCI Technologies (Fort Myers); Curry Controls Company (Lakeland); KW Controls, Inc. (Venice); McKim & Creed, Inc. (Clearwater); and Benro Enterprises, Inc. dba Rocha Controls (Tampa); with a contract period of two years with the option to renew for three additional one year periods. County staff anticipates the total expenditure for these services will not exceed \$1,500,000.00 annual.

Budgeted projects anticipated under these Agreements include but are not limited to the following:

Project	FY 12/13	FY13/14	FY 14/15	FY 15/16
Olga Chemicals improvements (CIP 7265)	\$700,000			
Pinewoods PLC Upgrade (CIP 7424)	\$300,000			
Ft. Myers Bch control sys. repl. (New CIP)		\$600,000		
Reservoir PLC Upgrades (CIP 7424)			\$150,000	
Citect to Clear Scada Conversion (CIP 7424)			\$150,000	
Misc. Plant controls projects (CIP 7424)	\$100,000	\$100,000	\$100,000	\$100,000
Power Monitoring, Plants (CIP7446)	\$100,000	\$100,000	\$100,000	\$100,000
Security sys integration (CIP 7447)	\$25,000	\$25,000	\$25,000	\$25,000
County Wide Fiber integration (CIP7448)	\$250,000	\$100,000	\$100,000	\$100,000
Scada Pack installation (CIP 7424)		\$200,000	\$200,000	\$200,000
TOTAL	\$1,475,000	\$1,125,000	\$825,000	\$525,000

Funds are available in accounts: OD5360548700.503490, OD5362448700.503490, OD5362848700.53490, OD5360148700.503490, OD5365148700.503490, OD5362948700.503490, OD5361948700.503490, OD5362748700.503490, OD5362048700.503490, OD5362348700.503490, OD5362548700.503490, OD5361548700.503490, 20726548730.506410, 20742948730.506410, 20742448730.506410, 20744648730.506410, 20744748730.506410, and 20744848730.506410.

- Attachment: 1. Sample Contract
 2. Meeting Minutes dated April 22, 2013
 3. Telephone Interviews dated May 2, 2013

**FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS****Detail by Entity Name****Foreign Profit Corporation**

MCKIM & CREED, INC.

Cross Reference Name

TUSCOLA BUILDERS, INCORPORATED

Filing Information

Document Number	F11000001885
FEI/EIN Number	562136769
Date Filed	05/02/2011
State	NC
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	08/11/2011
Event Effective Date	NONE

Principal Address1730 VARSITY DRIVE, SUITE 500
RALEIGH, NC 27606**Mailing Address**1730 VARSITY DRIVE, SUITE 500
RALEIGH, NC 27606**Registered Agent Name & Address**BUSINESS FILINGS INCORPORATED
515 E. PARK AVENUE
TALLAHASSEE, FL 32301

Address Changed: 11/14/2011

Officer/Director Detail**Name & Address**

Title CEOC

CREED, MICHAEL
1730 VARSITY DRIVE, SUITE 500
RALEIGH, NC 27606

Title P

MCKIM, HERBERT

CONTRACT REVIEW CHECKLIST

CONTRACT TYPE: CONSTRUCTION CONTRACT

SUBJECT: Project known as: RFQ130310 Control, Telemetry, Security & SCADA Integration Services Annual Contract

between Lee County and McKim & Creed, Inc.

Reference: Board action approving contract/agreement
Consent Agenda Item No. C13C on 6/18/2013

The subject contract is forwarded herewith for review and/or endorsements:

(1) By the Director of ROUTED BY PROCUREMENT
Project Sponsoring Department
 Recommending execution
 Not recommending execution for the following reason(s)
Date received _____ Date returned/forwarded _____
Signed _____

(2) By Procurement Management
 Recommending execution
 Not recommending execution for the following reason(s)
Date received 7/25/13 Date returned/forwarded 7/25/13
Signed [Signature]

(3) By the Risk Management
 Recommending execution
 Not recommending execution for the following reason(s)
Date received July 29, 13 Date returned/forwarded July 30, 2013
Signed _____

(4) By the County Attorney
 Recommending execution
 Not recommending execution for the following reason(s)
Date received _____ Date returned/forwarded _____
Signed [Signature] 7-30-13

Note: Contract approved by CFO because it was sealed w/ corporate seal. Whether signatory has actual authority is unknown because the signatory is not legible & no printed name is provided. State corp records do not include a name beginning with an "O" which is what the signature appears to indicate.

(5) **CHAIR OF THE BOARD** _____
(6) Clerks Office, Minutes Department 080113 JK * 0
(7) **PROCUREMENT MGMT.** [Signature]

RECEIVED
AUG - 1 - 2013
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