



December 23, 2009

Ms. Lisa Daws
Florida Clerks of Court Operations Corporation
2560-102 Barrington Circle
Tallahassee, Florida 32308

Subject: CCOC Request for Proposal (RFP) for Research and Data Analysis

Dear Ms. Daws:

URS Corporation Southern (URS) is pleased to submit our proposal for the Research and Data Analysis contract. The URS Team is enthusiastic about the opportunity to be of service to the Florida Clerks of Court Operations Corporation. We have organized our submittal in the order provided in the RFP.

1.0 CONTACT INFORMATION

The points of contact for this contract are:

James Mayo
Contract Manager
URS Corporation Southern
1625 Summit Lake Drive, Suite 200
Tallahassee, Florida 32317
850-402-6360
jim_mayo@urscorp.com

Eric Songer
Project Manager
URS Corporation Southern
1625 Summit Lake Drive, Suite 200
Tallahassee, Florida 32317
850-402-6327
eric_songer@urscorp.com

2.0 PERSONNEL QUALIFICATIONS

URS Corporation Southern is a global, full-service, multidisciplinary firm that offers a broad range of information technology, planning, engineering, program management, and system integration services for our clients. Headquartered in San Francisco, California, URS operates in 20 countries with over 50,000 employees.

URS has over 1000 employees in 16 offices across the state of Florida from which URS can accomplish work anywhere in the state. In the past, we have worked for nearly all of Florida's 67 counties, many Florida municipalities and local government entities, and many state agencies. Our statewide coverage of offices and staff, along with our ability to draw on additional resources from our global company, give us the ability to handle projects anywhere in the state of Florida.

The Tallahassee office of URS currently provides onsite support for budget analysis and systems design and development for the Florida Department of Transportation (FDOT) and has previously provided similar services to the Florida Department of Environmental Protection (FDEP). Our proposed analysts are experienced at working with local governments, reviewing their requests for funding, and helping them comply with set standards that must be met in order for them to receive funding.



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We propose Eric Songer, GISP as the Project Manager for this work. Mr. Songer has a Masters of Public Administration, as well as experience leading multi-disciplinary teams for URS. He will be able to identify and direct the needed resources based on CCOC's requirements. Business Analysts Phil Ciaravella, PG and Wagner Yajure have direct experience in providing onsite budgetary support to state agencies that support local government funding requests, and legislative budget requests. Information Technology (IT) Analyst Bill Beers, GISP has extensive experience performing IT projects large and small for government entities. Resumes for the key personnel are attached. While we have provided resumes for the key personnel only, we have the ability to draw on our resources of 124 personnel within the Tallahassee office, as well as statewide resources of over 1,000 professionals.

3.0 DESCRIPTION OF CAPABILITIES

3.1 Performance Measures

URS is familiar with implementing performance measures capture and reporting from our work with Environmental Management Office (EMO) at FDOT. For FDOT we have helped develop the Performance Management Program, which is based on establishing goals, developing metrics, performing stakeholder surveys, and compiling and reporting the results to FDOT. We have developed online tools to collect information, compile the results, and publish reports over the Internet using user logins to restrict access and an enterprise database to hold the performance measurement information and results. We continue to work with FDOT to refine these performance measures to confirm that they are current and relevant.

We also understand that establishing and gathering performance measures information is just the start of the process. Monitoring the results, tracking compliance and corrective action goals are just as important and can be more time consuming. URS can work with CCOC to put in place tracking systems to help CCOC monitor Clerk submittals and compliance plans.

3.2 Information Technology

We understand that not every entity needs to implement a large application or database to achieve better efficiencies. URS analysts are well versed in applying information technology (IT) in critical areas to make business processes more efficient. We have written Microsoft Access interfaces for FDEP to confirm compliance with necessary metrics, and produce tables and figures ready for publication in their Long Range Budget Request to the Florida Legislature.

For CCOC we can provide IT tools to help streamline the extraction of data from the Excel spreadsheets sent to the counties in the data gathering process, or create a Microsoft Access interface to the spreadsheets to assemble the necessary information and report it in a standard format.

Should the CCOC desire more extensive support, URS has database developers experienced in designing and implementing enterprise databases. For instance, we would be able to advise and consult on CCOC's transition to a Microsoft SQL Server database, as well as suggest phased implementation strategies that would allow CCOC to migrate to the new technology at a pace that would allow costs to be spread out and the technologies to be proven.



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4.0 REFERENCES

URS invites you to contact the following references for whom we have provided business analyst services.

- Pete McGilvray
 Florida Department of Transportation
 Environmental Management Office
 605 Suwannee Street
 Tallahassee, FL 32399-0450
 850.414. 5330
 peter.mcgilvray@dot.state.fl.us

- Paden Woodruff
 Bureau of Beaches and Coastal Systems
 Mail Station #300
 3900 Commonwealth Blvd., MS 300
 Tallahassee, FL 32399-3000
 850.488.7708
 Paden.Woodruff@dep.state.fl.us

- James L. Ely
 CEO
 Florida's Turnpike Enterprise
 Turnpike Mile Post 263, Building 5315
 PO Box 613069
 Ocoee, Florida 34761
 407.264.3100
 jim.ely@dot.state.fl.us

5.0 RATES/FEE SCHEDULE

URS proposes to use the following fee schedule/rates. These rates were recently negotiated with the Florida Department of Management Services (FDMS) under the IT Consulting Services state term contract. These rates are available to all state and local agencies throughout Florida. All of the rates are below the FDMS hourly ceiling rates.

Personnel Category	Level	Rate
Application Development		
Systems Analyst	Entry	\$ 64.29
	Intermediate	\$ 97.37
	Advanced	\$103.69
	Expert	\$122.39
Applications Development Analyst	Entry	\$ 73.28
	Intermediate	\$ 92.71
	Advanced	\$105.30
	Expert	\$124.58



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Personnel Category	Level	Rate
Data Strategy & Management		
Database Manager	Team Leader	\$127.71
	Manager	\$143.53
	Senior Manager	\$151.58
Data Architect	Entry	\$ 87.65
	Intermediate	\$118.22
	Advanced	\$147.44
	Expert	\$160.10
Data Modeler	Entry	\$ 70.06
	Intermediate	\$ 94.47
	Advanced	\$114.39
Database Analyst	Entry	\$ 85.86
	Intermediate	\$101.07
	Advanced	\$113.72
	Expert	\$126.64
Database Administrator	Entry	\$ 78.03
	Intermediate	\$108.80
	Advanced	\$121.36
	Expert	\$139.27
Internet Planning, Engineering and Operations		
Management Internet Operations	Team Leader	\$140.19
	Manager	\$161.08
	Senior Manager	\$181.97
Internet/Web Architect	Entry	\$ 64.86
	Intermediate	\$ 93.48
	Advanced	\$119.65
	Expert	\$132.31
Internet/Web Engineer	Entry	\$ 63.07
	Intermediate	\$ 95.07
	Advanced	\$114.68
Web Applications Programmer	Entry	\$ 62.67
	Intermediate	\$ 92.49
	Advanced	\$106.34
	Expert	\$124.02
Web Designer	Entry	\$ 50.62
	Intermediate	\$ 61.30
	Advanced	\$101.48
Webmaster	Entry	\$ 55.28
	Intermediate	\$ 68.48
	Advanced	\$ 93.68



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Personnel Category	Level	Rate
Internet/Web Systems Administrator	Entry	\$ 55.57
	Intermediate	\$ 81.20
	Advanced	\$ 96.76
Web Customer Support Specialist	Entry	\$ 53.56
	Intermediate	\$ 62.27
	Advanced	\$ 75.60
Business Analysis & Planning		
Director, Enterprise Architecture	No Variance	\$213.22
Manager, IT Business Planning	Team Leader	\$119.72
	Manager	\$157.20
	Senior Manager	\$159.32
Enterprise Architect	No Variance	\$148.44
Business Process Consultant	Entry	\$ 53.55
	Intermediate	\$ 83.16
	Advanced	\$108.71
	Expert	\$136.57
IT Business Consultant	Entry	\$ 66.07
	Intermediate	\$ 87.08
	Advanced	\$ 95.55
	Expert	\$121.26
Business Analyst	Entry	\$ 51.88
	Intermediate	\$ 80.42
	Advanced	\$ 91.74
	Expert	\$ 93.70
Director, Business Relationships	No Variance	\$207.94
Manager, Customer Relations	No Variance	\$132.95

6.0 LITIGATION

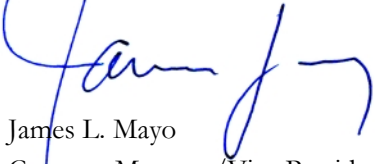
In the normal course of business, URS does from time to time become involved in claims or litigation. At the current time, URS does have some outstanding claims. However, it is our opinion that these claims can be settled within available insurance limits. URS' claims information is considered to be of a confidential nature; although, if you desire, a meeting could be arranged where these matters could be discussed.



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Thank you for the opportunity of considered URS for this Research and Budget Contract and we look forward to further discussing our proposed approach and qualifications with you. Please free to contact Jim or me at numbers provided above or via email at jim_mayo@urscorp.com or eric_songer@urscorp.com

Sincerely,



James L. Mayo
Contract Manager/Vice President



Eric Songer, GISP
Project Manager

ES/AMR

Attachments: Key Personnel Resumes



Eric Songer

Senior Project Manager

Overview

Mr. Songer has over 22 years of experience with geographic information systems (GIS). He has successfully implemented GIS projects ranging from the development of terrain databases for advanced military simulations to enterprise-wide GIS databases for environmental resource management. He has extensive experience integrating data from numerous sources into GIS databases, including satellite and digital imagery, CADD, and several GIS formats. Mr. Songer also has extensive previous experience with Remote Sensing projects involving satellite imagery.

Areas of Expertise

Geographic Information Systems
Image Processing
Land Use/Cover Analysis

Years of Experience

With URS: \10 Years
With Other Firms: 12 Years

Education

1997/MPA/Public Information
Systems/Florida State University

1987/MS/Wildlife Ecology/
Mississippi State University

1984/BS/Wildlife Resources/West
Virginia University

Certifications

Certified GIS Professional (GISP)

Project Specific Experience

GIS Technical Lead, Florida's Turnpike Enterprise, Statewide Traffic Model. Leading the GIS effort for a new statewide traffic model to be created for Florida to support Florida's Turnpike Enterprise operations. The model features a GIS data driven model using multiple data sources, both GIS and tabular, along with automated procedures for creating Traffic Analysis Zones (TAZ).

GIS Analyst, Florida Department of Transportation (FDOT), Protected Species Conservation Lands Assessment. Led a GIS effort to evaluate lands for potential mitigation use related to highway construction. The assessment included a GIS model of suitability for development and description of habitats potentially affected by highway construction in the 5- and 10-year FDOT Work Program for additional capacity projects.

GIS Analyst, Florida Department of Transportation, Cumulative Effects Analysis Pilot Project. Met with domain subject matter experts to develop potential GIS analyses for cumulative effects. Performed GIS analyses to be evaluated for effectiveness in capturing cumulative effects. Evaluated GIS data for suitability for cumulative effects analyses.

Base Utility Mapping, Confidential Location, Iraq, U.S. Army Corps of Engineers. Mapped legacy utility systems on a large military base in Iraq to help evaluate infrastructure requirements to support future operations by the U.S. Marine Corps. Built SDSFIE-compliant GIS database of base.

U.S. Air Force Training HQ, Base Utility Mapping. Working with local base stakeholders and U.S. Air Force Training HQ, responsible for building SDSFIE-compliant GeoBase databases and data flow procedures for U.S. Air Force Base utility mapping projects in the U.S.

Subject Matter Expert, Confidential Location, Iraq, U.S. Army Corps of Engineers. Part of multidisciplinary team traveling to a confidential location within Iraq to evaluate infrastructure requirements for large military base to support future operations. Served as the subject matter expert for location-based information, including GIS, GPS, CADD, engineering drawings, and data availability and quality.

U.S. Marine Corps Logistics Base, Albany, Georgia, GIS Support. Managed an onsite position responsible for building SDSFIE-compliant databases to support both the MCLB and the Marine Corps Eastern Data Center.

Project Manager, Confidential Commercial Client, Environmental Information Management System. Managing an ongoing project to automate and report environmental information to help a large multi-state convenience store chain more effectively manage their environmental and compliance programs. The Web-based application is written using ASP accessing an Oracle database designed by URS staff specifically for the client's internal processes.

Project Manager, South Florida Water Management District, Land Use/Cover. Led an effort to map land use/cover changes for the South Florida Water Management District's SW Florida Project. 1995 Land use/cover information was overlaid onto 1999 Digital Orthophoto Quads; and areas of land use/cover change were mapped.

GIS Team Member, Florida Department of Transportation, Central Environmental Management Office, Environmental Streamlining Web-based Application. Evaluated Internet map service products from multiple vendors for ease of use and speed of rendering. This included developing two Web sites and analyzing the results. The Web site development involved streaming GIS data from Oracle Spatial and ESRI ArcSDE to Web browsers that used Java-based viewers.

GIS Team Leader, Turnpike District, Florida Department of Transportation, Ongoing GIS Services. Supported all aspects of the Turnpike's GIS efforts. Responsible for converting and importing various formats of data for inclusion in the Turnpike's GIS library, integrating CADD and imagery products into the GIS activities, creation of cartographic products, Unix and Windows NT system administration, and other activities.

Prior to joining URS, Mr. Songer worked at state and regional agencies in Florida working primarily on integrating remote sensing information with GIS.

Chronology

2001 – Present: URS Corporation, GIS Group Manager; 1997 – 1999, Senior GIS Analyst

2000 – 2001: Lockheed Martin Information Systems, Software Engineer

1997: Florida Game and Freshwater Fish Commission, Biological Scientist IV.

1994 – 1997: Florida Department of Environmental Protection, Remote Sensing Analyst Supervisor

1990 – 1994: Northwest Florida Water Management District, GIS Analyst

1987 – 1990: Mississippi State University, Department of Forestry; Research Assistant

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Wagner Yajure

Senior Business Analyst

Areas of Expertise

Budget Analysis
Automation Project Management
Automation Software Quality Assurance/Quality Control and Testing Procedures
Basic and Advanced Process Control Design
Process Control Optimization Application Systems
Scheduling and Schedule Coordination

Years of Experience

With URS: 6 Years
With Other Firms: 18 Years

Education

MS and BS/ 1983 / Electrical Engineering / Florida Institute of Technology
BS / 1982 / Physics Engineering / Jacksonville University

Overview

Mr. Yajure has extensive experience in developing, enhancing, and implementing standards and procedures. His experience also includes data communication systems integration; data management, analysis and display; and design, installation, and maintenance of sensing and data gathering instrumentation and process control systems. Some areas of specific expertise are automation project management, startups and commissioning, project scheduling and coordination, computer technologies, business test cases development, automation software quality assurance and testing, electrical power plant and substations instrumentation, and dams and water reservoirs instrumentation. Mr. Yajure's specific project experience is summarized below.

Business Analyst, Electronic Document Management Process Definition, Florida Department of Transportation.

Mr. Yajure worked with the Florida Department of Transportation (FDOT) Central Environmental Management Office (CEMO) providing on-site support of the Environmental Electronic Document Management System (EEDMS). Mr. Yajure's responsibilities included developing and documenting the protocol and standards for properly identifying, selecting, and digitizing the different documents, books, reports and CEMO-generated publications. He worked with FDOT staff to develop workflow instructions for scanning and attributing documents in the FDOT's EEDMS. This included the review of source materials such as record retention requirements, existing hardcopy reports, and EDMS instructions. He also met with FDOT staff to discuss protocol requirements and finalized a preliminary protocol based on their inputs.

Using the preliminary protocol, Mr. Yajure identified, scanned and attributed existing hard copy records into FDOT's EEDMS. He prepared the record disposition request forms as needed. He also fine-tuned the preliminary protocol to improve efficiencies, and created the final version of the protocol.

Mr. Yajure also prepared training materials for a "Train the Trainer" course for the newly developed process. Training materials included syllabus, agenda, handouts, and a PowerPoint presentation to be used in Web-based training for FDOT District Environmental Management staff.

Project Manager, Beach Erosion Control Program, Florida Department of Environmental Protection (FDEP), Local Government Funding Requests.

FDEP contracted with URS to provide onsite project managers for the Beach Erosion Control Program (BCEP) of the FDEP Bureau of Beaches and Coastal Systems (BBCS). Mr. Yajure's management responsibilities included assisting with the preparation of the Strategic Beach Management Plan, preparing the annual Local Government Funding Request (LGFR) document to be submitted by BBCS to the Governor and Legislature, and preparing the Long Range (ten-year) Budget Plan (LRBP) report.

As a contract project manager for beach erosion control projects, Mr. Yajure was responsible for ensuring that the BBCS's beach management program funding was appropriated, contracted and spent according to Sections 161.088 -161.161, Florida Statutes; Chapter 62B-36, Florida Administrative Code; and policies of the BBCS. He reviewed beach permit applications to confirm the completeness of the submittal, to determine if the project was eligible for state funding, to assist in the ranking process and to provide recommendations regarding which projects to include in the LGFR.

Mr. Yajure worked with local government sponsors to determine the readiness to proceed for funded projects. He was responsible for initiating the review of scopes of work (SOW) prepared by the local sponsors or their engineering consultant(s) and compiling and transmitting the relevant written comments provided by the BBCS staff. He was also responsible for confirming the metrics and standards had been implemented to determine the percentage of eligibility for the state cost sharing. After determining the project eligibility and upon approval of the SOW, he initiated the contracting process with the local sponsor to provide the appropriate state funding. After the execution of the contract, he served as a liaison between the BBCS and local sponsor to facilitate completion of the project within the agreed schedule. Mr. Yajure initiated the technical review within BBCS of the required contract deliverables submitted by the local sponsors.

Mr. Yajure's contract management responsibilities included reviewing project billings to confirm the eligibility of the invoiced items, verify the required deliverables had been received, and verify compliance with applicable permit conditions. He also certified that the work included in the billing met the terms and conditions of the contract.

As a project manager, he routinely worked with other federal, state and local agencies such as the U.S. Army Corps of Engineers, the Florida Department of Community Affairs, and local governmental entities. He also interacted with private engineering consulting firms who acted as agents for local governmental entities. He regularly responded to public inquiries regarding beach restoration projects and BBCS policy and participated in public workshops and hearings.

Automation Technical Project Manager and Advanced Applications Leader for the Eastern Division, Petroleos de Venezuela S.A. (PDVSA).

Mr. Yajure served as liaison between customers, project managers and software engineers during all phases of the PDVSA Eastern Division PRAP (Production Automation Project) Project Applications implementation. Responsibilities included the commissioning of Information Systems (Crude Treatment, Water Treatment and Water Injection applications), Production Optimization Applications (Well Test, Gas lift and Oil Production), Expert Systems (Abnormal Situation Management System, System Geometry, Well Test), Modeling Applications (Production Network models and Gas, Water and Crude models for mass balances), and Oil Movement and Storage Applications (Material Planning, Scheduling and Movement). Mr. Yajure also worked closely with the Applications Development engineers to pinpoint and resolve operational and process-related problems, and developed and conducted Business Test Cases for testing the functionality of the final

products to make sure the Applications complied with the Operations requirements. He also led the Applications installation and startup team.

Automation Project Manager, System Analysis and Design Team Member, PDVSA. Mr. Yajure worked on over ten different automation projects for oil production facilities ranging from minor to major, including SCADA Systems, telecommunications, and process control integration. He was responsible for project success, including the development of financial feasibility, project estimates, legal and regulatory requirements, contracts and negotiations, design, construction, field startup, facility owner acceptance, and move-in processes and procedures. During the commissioning period, Mr. Yajure used Project Management Tools to develop time lines, task interdependencies, resource allocations, and labor estimates. He prepared, installed and maintained real time process control computers, and integrated hardware into proper system configurations using system specifications and functional descriptions. He constructed system block diagrams, system cabling diagrams, and designed cables necessary for final installation.

Mr. Yajure was highly successful in identifying potential problems and resolving them before installation. He was the liaison between engineering and mechanical/electrical technicians to ensure accurate assembly of equipment. His duties included troubleshooting and revising designs as needed; training client's personnel in operating procedures; conducting group sessions describing procedures and risks involved and emphasizing safety handling; monitoring the development of design standards; compiling proper documentation packages; supervising drafters working with computerized equipment (AutoCAD); and working closely with client's engineering staff to define design specifications for automation processes.

Automation Technical Support Team Leader, PDVSA. Responsible for the maintenance of the SCADA systems and automated installations of the company, including software, hardware, field instrumentation and process control devices. Among his principal duties were programming and assigning maintenance priorities; tracking and documenting maintenance actions; handling troubleshooting on-site and via telephone; interfacing extensively with clients and assisting with operational problems; managing internal jobs with the ongoing goal of reducing expenses and increasing company revenues; providing technical support, resources and expertise to all departments as needed; investigating and implementing practical and cost-effective solutions to problems related not only to the automation but to the processes and operations as well; writing operations guides, user manuals and maintenance procedure guides; developing training materials and conducting training courses; preparing internal status and result indexes reports for senior management; and participating in Projects and Designs technical documents reviews. Mr. Yajure was also called upon to review outside projects, focusing on architectural considerations and ease of use issues, and participated in the development of unit test plans.

Design Leader, Electrical, Instrumentation and Control Aspects of a Groundwater Remediation System, Cosden Chemical Coatings Corporation Superfund Site, Beverly, New Jersey. Designed electrical

feed connections, distribution network, lighting, and grounding systems for two treatment buildings. Designed the control system (SCADA) and telemetry system for monitoring and controlling the groundwater vapor extraction and treatment and groundwater treatment processes. The system consists of the appropriate hardware, software, and PLCs for supervising, controlling and gathering information from two different motor control centers (MCCs) and field instrumentation that measures groundwater elevations, flows, pressures, temperatures, etc., and controls blowers, pumps, filters, etc. System alarms include fire, intrusion, power fail, system shutdown, and pump failure. Prepared electrical and I&C drawings, technical specifications and bid documents.

Design Leader, Carbon Treatment Skid Booster Pump Electrical Connection, DuPont – Louisville Works, Louisville, Kentucky.

Designed the electrical connection, instrumentation, and control logic for the pump system of a carbon treatment skid to be installed as a booster in an existing groundwater remediation project. Prepared electrical and I&C drawings, technical specifications and bid documents. The system is designed to improve the operational efficiency of the remediation system by maintaining optimum performance criteria.

Language

English
Spanish

Chronology

January 2003 – Present, URS Corporation, Senior Electrical Engineer

January 2002 – September 2002, For The Record, Construction Project Planners, Scheduler and Project Schedule Coordinator

1985 – 2001, Petroleos de Venezuela S.A. (PDVSA), Automation Project Manager



Philip Ciaravella, PG

Senior Business Analyst

Overview

Mr. Ciaravella has over 20 years of experience as a project manager and business analyst. Most recently he served as a contract Project Manager in the Beach Erosion Control Program (BECP) of the Florida Department of Environmental Protection (FDEP) from January 2005 until February 2009. Projects were completed to repair beach and dune damage caused by the 2004 and 2005 hurricane seasons. As project manager for beach erosion control projects in Northwest Florida, Mr. Ciaravella was responsible for ensuring that the BECP's beach management program funding was appropriated, contracted and spent according to Sections 161.088 -161.161, Florida Statutes; Chapter 62B-36, Florida Administrative ; and the policies of the FDEP. Mr. Ciaravella worked with local government sponsors to determine the readiness to proceed for funded projects and initiated the contracting process to provide the state share of the project costs.

Mr. Ciaravella's project management responsibilities included contracting of emergency hurricane recovery funding provided by the Legislature in December 2004, verifying the public access to establish the state cost share, contracting the state share of the project costs, facilitating the review and approval of scopes of work (SOWs), including the construction bids; review of project deliverables; participating in local Beach Advisory Committee meetings; participating in public workshops and hearings conducted by the FDEP; and review of project billings, including verification of permit compliance.

As a BECP project manager, Mr. Ciaravella routinely worked with other federal, state and local agencies such as the U.S. Army Corps of Engineers, the Florida Department of Community Affairs, and local governmental entities. He also interacted with private engineering consulting firms who act as agents for local governmental entities, regularly responded to public inquiries regarding beach restoration projects and FDEP policy, and participated in public workshops and hearings.

Project Specific Experience

Project Manager, St. Joseph Peninsula Beach Restoration Project, FDEP, Gulf County, Florida. Managed restoration of 7.1 miles of critically eroded beach on St. Joseph Peninsula, Gulf County, Florida. Approximately 3.6 million cubic yards of sand from an offshore borrow source were placed along the critically eroded shoreline. Construction of the project began in March 2008 and was completed in December 2008. Project management responsibilities for this project included contracting of emergency hurricane recovery funding provided by the Legislature in December 2004, verifying the public access to establish the state cost share, contracting the state share of the project costs, facilitating the review and approval of SOWs, including the construction bids; review of

Areas of Expertise

- Project Management
- Local Government Coordination
- Budgeting
- Regulatory Assistance

Years of Experience

- With URS: 20 Years
- With Other Firms: 9 Years

Registration

Professional Geologist: Florida / #1982

Education

Graduate Courses: Hydrogeology and Geology/University of Florida
1980 / BS / Geology / University of Florida

project deliverables; participating in local Beach Advisory Committee meetings; participating in public workshops and hearings conducted by the FDEP; and review of project billings, including verification of permit compliance.

Project Manager, Perdido Key Beach Restoration Project, FDEP, Perdido Key, Florida. Managed the planned restoration of 6.45 miles of critically eroded beach on Perdido Key west of the Gulf Islands National Seashore. The proposed project will place approximately 1.25 million cubic yards of sand from an offshore borrow source on the critically eroded shoreline. Construction of this project began in fall 2009. Project management responsibilities for this project included contracting of emergency hurricane recovery funding provided by the Legislature in December 2004, facilitating the review and approval of SOWs and project deliverables, participating in public workshops and hearings, and review of project billings.

Project Manager, Navarre Beach Restoration Project, FDEP, Santa Rosa Island, Florida. Managed restoration of 4.1 miles of critically eroded shoreline on Santa Rosa Island. Approximately 3 million cubic yards of sand from an offshore borrow area were placed along the critically eroded shoreline. Dune vegetation was also installed. The restoration project was completed in November 2006 and is currently undergoing monitoring in accordance with the Joint Coastal Permit issued by FDEP for this project. Project management responsibilities for this project included contracting of emergency hurricane recovery funding provided by the Legislature in December 2004; verifying the public access to establish the state cost share; contracting the state share of the project costs; facilitating the review and approval of SOWs, including the construction bids; review of project deliverables; and review of project billings, including verification of permit compliance.

Project Manager, Destin/Walton County Beach Restoration Project, FDEP, Northwest Florida. Managed restoration of 6.9 miles of critically eroded shoreline on Okaloosa Island in the City of Destin and Walton County, Florida. Approximately 2.9 million cubic yards of sand from an offshore borrow area were placed along the critically eroded shoreline. Dune vegetation was also installed. The restoration project was completed in spring 2007 and is currently undergoing monitoring in accordance with the Joint Coastal Permit issued by FDEP for this project. Project management responsibilities for this project included verifying the public access to establish the state cost share; contracting the state share of the project costs; facilitating the review and approval of SOWs, including the construction bids; review of project deliverables; participating in public workshops and hearings; and review of project billings including permit compliance.

Training

OSHA 1910.120 40-hour Basic Health and Safety

OSHA 1910.120 8-hour Health and Safety Refresher

OSHA 1910.120 8-hour Health and Safety Site Supervisor



Chronology

1991-Present, URS Corporation; Project Geologist, 1991-Present,
Assistant Project Geologist, 1989-1991

1988-1991, Geraghty & Miller, Inc.; Senior Scientist; Staff Hydrologist,
1980-1986

1987-1988; West Coast Regional Water Supply Authority, Hydrologic
Services Manager/Project Hydrologist



Bill Beers

Project Manager

Areas of Expertise

Geographic Information Systems

ArcSDE
ArcGIS
ArcView
ArcInfo
ArcIMS

GIS/Database Application Development

Visual Basic
Avenue
Oracle PL/SQL
MapObjects
ArcObjects

Relational Database Management

Oracle
Access

Web-based Programming

ASP.NET
ASP
HTML
VBScript
JavaScript
JSP
XML

Years of Experience

With URS: 8 Years

With Other Firms: 7 Years

Education

1989 / BA / Biological Science /
Florida State University

Mr. Beers has over 15 years of experience as a geographic information systems (GIS) and database programmer and analyst. He has extensive training and experience with the ESRI ArcGIS suite of applications; ArcInfo (including the ArcEdit, ArcPlot, and Grid modules); and ArcView (including the Spatial Analyst and 3D Analyst extensions). He has experience customizing Web-based interactive mapping applications using ArcIMS, and managing spatial data using ArcSDE. He is an accomplished programmer with experience using Microsoft .NET, ArcObjects, Visual Basic, Arc Macro Language, MapObjects, Oracle PL/SQL, Active Server Pages, Java Server Pages, JavaScript, and Avenue. He is trained and experienced in designing for and using relational database management systems, including Oracle and Microsoft Access.

Specialized Project Experience

Project Manager, Designer and Lead Programmer, Land Management Information System, Florida Fish and Wildlife Conservation Commission.

Mr. Beers designed and led the development of a suite of applications that aid the FFWCC in land management activities. Included in the suite are two ArcMap extensions, the Land Management Information System (a customizable, extendable data entry system) and ERAtools (a customizable, extendable data reporting system). The suite also includes a Web-based data upload and validation system; a desktop application that aids data managers at FFWCC with the customization of the data upload and validation system; and the ERAtools Administrator, a desktop application that aids in the customization of the ERAtools ArcMap extension.

Designer and Lead Programmer, Strategic Intermodal System Investment Tool and Geographic User Interface, Florida Department of Transportation.

Mr. Beers created the Statewide Intermodal System Investment Tool (SIT), an automated method to run customizable geographic and tabular analyses against large datasets. He designed the system to be flexible and reconfigurable in order to accommodate changes to the analytical methods or to incorporate new data sources. The SIT was originally designed as a desktop application written in Microsoft Visual Basic.Net and incorporating ESRI MapObjects, and has recently been converted to a server-based version, the SIT Server, which replaces the MapObjects foundation with ArcObjects and ArcGIS Server functionality. The SIT Server is designed to run in an automated, server-based environment, with a similar user interface to provide users with easy-to-use tools to edit the analysis settings, scoring criteria, data sources, data grouping, and summarization techniques. The application uses a variety of data selection techniques, including geographic (buffer and intersection), linear reference, and structured query language.

The SIT application is reconfigurable without requiring recoding. None of the analysis settings (including type, data sources, or scoring criteria) are hard coded.

The SIT application is paired with an extension to ESRI ArcMap, also designed and written by Mr. Beers, called the SIT Geographic User Interface. This extension provides a map-based interface for viewing SIT results, and displaying the underlying spatial data.

Project Manager and Lead Programmer, City of Tallahassee NPDES Permitting Database. Mr. Beers provided database design and led the development team that created an Oracle database to track the City of Tallahassee's compliance with their Non-Point Discharge Elimination System permit. The database has a Web-based user interface for data entry and reporting, and a desktop-based user interface for database administration and advanced reporting.

Data Management Team Member, Efficient Transportation Decision Making (ETDM) Process, Florida Department of Transportation, Statewide. Mr. Beers was part of the team responsible for the development of a Web-based system using ArcIMS, ArcSDE, Oracle, ArcObjects and Java Server Pages technology to support the ETDM Process. This system, known as the Environmental Screening Tool (EST), allows users from many different state and federal agencies, as well as the general public, to access information about proposed transportation projects, and submit comments about the projects.

Project Manager, Lead Programmer, Stormwater Environmental Information Management System, City of Tallahassee, Florida. Created a custom desktop-based user interface to an Oracle database with functions to bulk upload, edit, query, and report large volumes of physical and chemical analytical data collected by the City's Stormwater Management Division. The primary mode for data input is by direct upload of data provided by analytical laboratories and automated data loggers. The format for the transfer files provided by laboratories has changed over time, and is expected to continue to change during the expected lifetime of the application. To meet this challenge, Mr. Beers developed the data upload system to be flexible and user configurable, without requiring recoding of the application.

GIS Application Task Leader, Shreveport Wastewater Infrastructure Asset Information Management System (WIAIMS), City of Shreveport, Louisiana. Developed an integrated multi-user depository for the City of Shreveport's wastewater collection system's technical and operations data. Data are stored in an Oracle/ArcSDE spatial database. Mr. Beers modified the ArcFM Water UML model to create a database highly customized to the City's needs, which incorporates all existing data and provides an infrastructure for future data collection.

Project Manager, Development of the Fire Management Information System for the Florida Division of Forestry (DOF), Tallahassee, Florida. Led a team of programmers in the development of an enterprise GIS and data management system to assist the DOF in protecting forest resources and managing fire control resources statewide. The project was implemented in .NET with both browser (Web-based including ArcIMS) and desktop (VB NET and MapObjects) interfaces to an enterprise Oracle database and GIS layers in ArcSDE.

Lead Programmer, Environmental Remediation Website for

Confidential Client. Mr. Beers developed a Web-based interface to an Oracle database of groundwater samples, project schedules and equipment, and other information related to environmental remediation at various refineries.

Project Manager/Lead Programmer, Cultural Resource Identification Tool, Florida Department of Transportation District

Six. Mr. Beers developed a MapObjects and Visual Basic application to educate FDOT personnel in the laws and importance of protecting archaeological, historical, and cultural resources; and to assist the FDOT in identifying resources that could be impacted by proposed FDOT projects. The application presents the information in a step-by-step “wizard” format, provides a simplified GIS interface that allows users to quickly find and delineate the project area, performs a series of spatial queries on included resource data, and presents the results in HTML report format.

GIS/Data Management Team Member, Shreveport Sanitary Sewer Overflow Control Program (SSOCP) Wastewater Infrastructure Assets Life Cycle Management Support Services, City of Shreveport.

As GIS/Data Management Team Member, Mr. Beers was responsible for the development, customization, and maintenance of an ArcFM-based database of the City’s sanitary sewer system. The SSOCP project team required a high level of data manipulation and efficient field data collection. To facilitate this effort, Mr. Beers developed automated tools for ensuring data integrity using the ArcView Avenue programming language.

Team Member, Total Maximum Daily Load (TMDL), US Air Force Base, Avon Park, Florida.

Mr. Beers was a key team member in the development of a GPS-based field data entry system using ESRI ArcPad, a Microsoft Access-based data management system for storing the field and lab data, and a process for exporting the data to the Florida STORET system.

Specialized Training

Introduction to Local Area Networks, Data-Tech Institute, 1995

Introduction to ArcView, ESRI, 1995

Customizing ArcView with Avenue, ESRI, 1995

Introduction to Oracle: SQL, SQL*Plus and PL/SQL, Oracle Education, 1995

Customizing Arc/Info with AML, ESRI, 1995

Chronology

2000 – Present, URS Corporation, Programmer/Project Manager

1993 – 2000, Florida Department of Environmental Protection, Division of Water Resource Management, Environmental Specialist/GIS Analyst

1991 – 1993, Florida Game and Fresh Water Fish Commission, Word Processing Systems Operator

1988 – 1991, Dr. Eleanor N. Whitney, Nutrition and Health Associates, Research Assistant