

January 24, 2014



Proposal to Cook County Recorder of Deeds for Assessment of GIS Technology Use

Respectfully submitted by:

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In Partnership with:





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Section 1. Executive Summary

THE SDI TEAM'S UNDERSTANDING OF THE RECORDERS OBJECTIVES.

The Cook County Recorder of Deeds (CCRD) collects a \$15 GIS fee for every recording transaction. The GIS fee provides funding to the Cook County Bureau of Technology to support and enhance the Enterprise GIS used by all County departments and elected offices. Like most land records related departments at the County, CCRD has many work functions that could be greatly enhanced by the implementation of GIS. Unfortunately GIS has historically been severely underutilized in comparison to other County departments.

Through recent efforts of the new administration, GIS competency and use has just begun to grow. The CCRD understands that GIS technology will be instrumental in improving its land records management and strategic thinking when attempting to tackle pressing issues such as fraudulent recordings and foreclosures. GIS technology provides spatial data management, spatial analysis and visualization tools that will provide a unique and much needed perspective of the CCRD land records information. By using GIS, the CCRD will begin to modernize its practices and methods and improve its ability to better serve its constituency.

SDI'S PROPOSED SOLUTION.

With this proposal, the CCRD is striving to improve its ability to use GIS technology and align its IT strategy to that of Cook County by leveraging external expertise in GIS and IT. This proposal will outline a solution that incorporates a phased approach at delivering GIS related products to the CCRD. The SDI Team will perform an in-depth analysis of all current business practices that use GIS technologies as well as determine where GIS can be integrated into additional business processes to improve analytical or strategic thinking, data validation, data reporting and visualization. The SDI team will provide an assessment of current GIS needs and a roadmap for improving the use of GIS. The SDI Team will also provide a pilot website with basic GIS functionality to provide a hands-on GIS experience for the internal organization to use and become familiar with GIS capabilities and concepts. By introducing more CCRD staff to GIS technology, the SDI Team hopes to unlock the imagination of the staff and promote growth organically in the use of GIS.

THE SDI TEAM: ALIGNED TO EXCEED CCRD'S EXPECTATIONS.

The SDI Team has carefully developed this proposal to assess the Recorder of Deeds Office use of GIS Technology to provide a roadmap for future use of GIS technology to improve processes for more efficient operations within the department. Based upon the SDI Team's experience with projects similar in scope and size, we are confident the CCRD will realize the lowest total cost of ownership and maximum return on its investment with our recommendations. On your behalf, the SDI Team will accept nothing less than complete success in delivering a "Go Forward" Future Plan.



Section 2. Scope of Work

Project Understanding

In late September 2013, Urban GIS was engaged to conduct an assessment of the Cook County Recorder of Deeds (CCRD) use of GIS technology and then provide suggestions for improving the use of GIS. Urban GIS delivered a report called the "GIS Assessment Results" which included a list of recommendations for next steps in improving the processes and tools used by CCRD staff. Currently, the Cook County Bureau of Technology (BOT) is sponsoring a number of GIS initiatives that directly involve the CCRD GIS program including the Cadastral Modernization project and development of a GIS-based Land Records Website. Urban GIS recognized the impacts of the BOT projects and used that information into formulating the recommendations into the assessment results. Urban GIS made a conscious attempt to make recommendations that complemented the BOT initiatives yet gave the CCRD their own GIS identity. This proposal will set forth an implementation plan that will confirm, prioritize and execute the recommendations.

Scope of Services

Detailed Assessment of CCRD GIS

The SDI Team will conduct interviews and work closely with CCRD GIS staff and managers to determine how GIS is currently being used, and should be employed at CCRD. Additionally, our Team will provide subject matter expertise and strategic planning that is aligned with the Cook County Bureau of Technology GIS enterprise initiatives. Finally industry standard practices will be evaluated and recommendations will be made for future GIS enabled work functions at CCRD.

The SDI Team will provide insights on implementing GIS to support CCRD staff with a variety of GIS related areas (including but not limited to):

- GIS Data evaluation and audits utilizing GIS tools and data
- Assessment of 20/20 data integration into the GIS database. Determine optimal workflow and system enhancements required to maximize GIS at CCRD
- Assess existing and proposed systems for security, scalability and performance
- Explore methods to expand CCRD access to countywide GIS data
- Develop a pathway to expand current GIS operations beyond its limitations
- Assist with the development of the GIS and overall IT vision
- Provide guidance on collaboration with other County business units



Pilot GIS Website

The SDI Team will develop a Pilot GIS Website complete with a variety of GIS layers and CCRD 20/20 data. This Pilot GIS Intranet site is intended for internal purposes, and will provide the foundation for future publically accessible websites. The Website will incorporate core GIS functionality, and will introduce the basic GIS concepts to the CCRD organization. Primary functionality of the website will include:

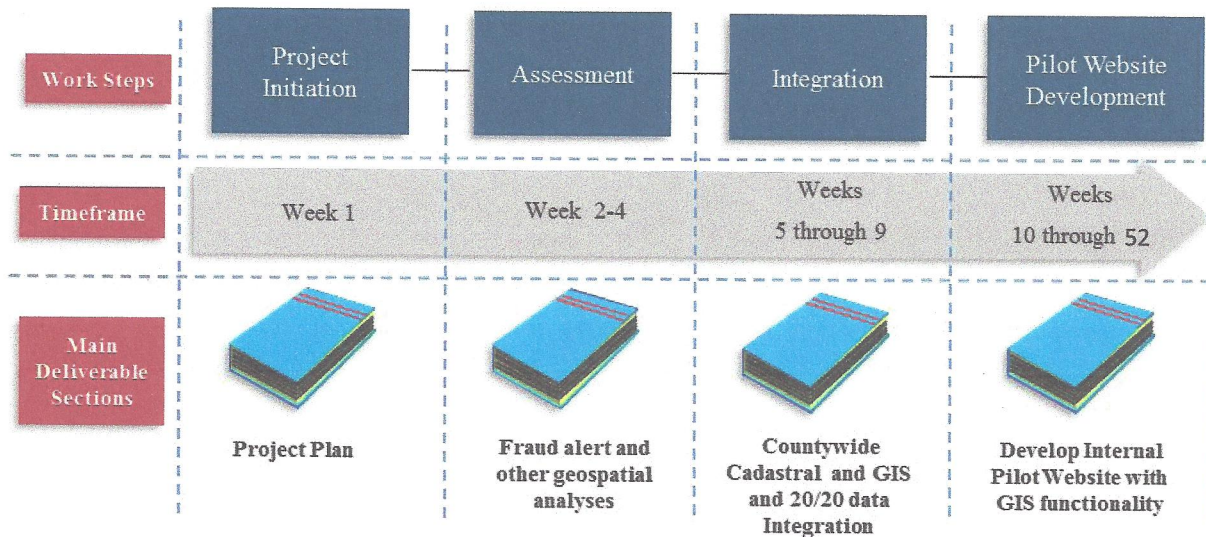
- Map navigation tools
- Select tools
- Identification tools
- Map legend
- Map layers (Aerial, road network, parcels, buildings etc.)
- Query and analysis tools

The Deliverables will include:

- Migrated 20/20 database
- Create CCRD geodatabase
- GIS Layers from CCBOT GIS (parcels, administrative boundaries, aerials, etc.)
- Fraud alert and geospatial analysis and reporting
- 20/20 data integrated into GIS
- Basic GIS web interface
- Training for incoming IT leadership and other personnel

Preliminary Project Plan – Website Development

Below is a high-level Project Plan for development of the GIS Website.



IT Consulting Services

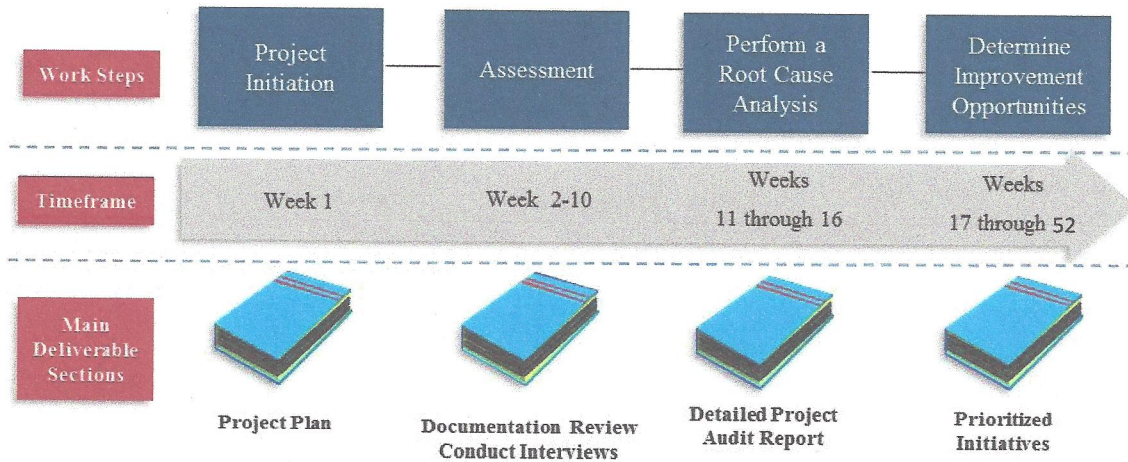
In addition to the tasks mentioned above, the SDI Team will provide guidance and insight for the Cook County Recorder of Deeds IT Department by conducting a Technology Assessment. Our Technology assessment and strategy service offering is focused on the planning, procurement, migration and standardization of information technology. This service will assist CCRD with the procedures and methods for making technology decisions, including the setting of priorities and the purchase, evaluation, upgrading, and use of technology.

A technology assessment can cover as many as 50 different items — administrative, organizational, and technology items. We have a scoping process that includes all of these items, and we sit down with the organization to mutually determine what’s relevant to them. The typical scope includes 15-20 items.

At that point, we begin our assessment, which consists of documentation reviews, interviews with IT people, and interviews with executives and key users — because sometimes there’s an alignment or satisfaction issue with IT.

Preliminary Project Plan – Technology Assessment

Below is a high-level Project Plan for the Technology Assessment.



Project Management and Quality Management Framework

The SDI Team’s Project Management (PM) and Quality Management (QM) Frameworks provide a defined, systematic process for planning, directing, monitoring, adjusting, and controlling a series of interrelated projects. This process enables our clients to achieve agreed-upon objectives under the constraints of budget, time, resources, and technology.

Throughout an entire project, the SDI Team will meet CCRD’s needs and expectations, including scope of services, time, cost, and quality management. The SDI Team organizes its PM and QM frameworks around the nine Knowledge Areas and five Process Areas in accordance with the Project Management Institute’s (of which SDI is a corporate member) recognized Body of Knowledge (PMBOK). The purpose of these Knowledge and Process Areas is to ensure that projects are completed to specification, on time and within budget. SDI’s unique application and focus of the PMBOK is based on broad experience on a wide variety of project types, sizes and interrelationships, and provides our Project Managers with a consistent and proven-successful framework for implementing our own corporate ‘best practices’ in program/project and quality management.

SDI focuses its PM and QM efforts around the following knowledge areas. Our Project Managers work with clients to decide upon the focus and priority of the knowledge areas, then devise and apply a variety of strategies to meet the objectives listed. Emphasis is placed on using proven interpersonal techniques, supplemented by various forms, templates, and tools to accomplish the objectives.

- **Content & Scope Management**
 - Provide project, program-wide cost and schedule controls
 - Maintain focus on milestones
 - Highlight valid scope variances and to update budget, scope and schedules, as appropriate
- **Resource Management**
 - Create realistic project staff plans, including roles and responsibilities and roll-on/off planning
 - Systematically manage the staff roll-on/off process, program-wide
 - Handle unplanned resource needs
 - Provide performance feedback to project staff in a timely manner
- **Issues Management**
 - Capture project issues in a central repository that records all necessary data
 - Communicate and resolve major issues as soon as possible while preventing issues from blocking progress
 - Provide a record of decisions made and the rationale
- **Risk Management**
 - Develop an effective process for identifying and minimizing project risks
 - Achieve optimum balance between minimization of risks, quality of deliverables, and ability to meet completion dates (i.e. do not “over minimize” risks at the expense of quality or schedule)



- **Communications Management**
 - Develop a comprehensive communications process that includes senior management and key stakeholders, including decision-makers, line managers, business process owners, end users, CCR’s vendors and service providers, and both systems and process support staff
 - Eliminate or minimize miscommunication or confusion regarding project status, issues, changes in priorities, scope, or schedule, or other information
- **Project/Status Reporting**
 - Communicate team level progress
 - Communicate weekly accomplishments and next planned activities via face to face or conference call meetings
 - Emphasize progress against key milestones
 - Alert management to schedule and cost variance or quality issues
 - Highlight new issues or risks.

Quality Management has an especially important role in project success and SDI has emphasized that role by calling out even more specific detail in its Project and Quality Management framework.

- **Quality Planning**
 - Starts from the beginning of a project; engage CCR to discuss quality up front, bringing out quality concerns before any project plans are finalized
 - Identify early in the project lifecycle which quality standards, techniques, and tools are relevant to the project – these can be client standards, etc., or based on SDI’s best practices
 - Determine, discuss and agree on how to implement the lifecycle quality plans
- **Quality Assurance**
 - Evaluate the overall project performance on a regular basis to provide confidence that the project will satisfy relevant quality standards
- **Quality Control**
 - Devise the appropriate quality tests and metrics before project execution
 - Apply the quality control tests openly and with CCR’s participation
 - Monitor specific project results to determine if they comply with relevant quality standards
 - Identify ways to eliminate causes of unsatisfactory performance
- **Quality Improvement**
 - Support the execution of quality audits or reviews
 - Analyze the results of quality reviews with CCR
 - Take action to increase the effectiveness of the project to provide added benefits to the project stakeholders end users
 - As agreed to by the CCR, prepare project change requests or take corrective action
 - Follow the prescribed procedures for overall change control.

The SDI Team is committed to delivering high quality service and products throughout the project. Quality control checkpoints or inspections will be built into the project schedule. These checkpoints will serve to identify the responsible parties and the actions to be taken when deficient items are found.



Section 3. Qualifications of the SDI Team

SDI Company Background

SDI (System Development.Integration, LLC) delivers advanced technology systems and services for critical infrastructure and campus environments. For more than 20 years we have provided vendor-independent advisory services, technology delivery and SmartSourcingSM managed services to critical environments to achieve higher levels of security, improved performance and lower operating costs. SDI delivers the deep technical expertise and complex systems' past performance of a national, top-tier systems integrator, with an agile, local delivery model focused on complete customer satisfaction.

Solutions for Critical Infrastructure

SDI has invested in building a technology-based consultancy that addresses the needs of owners and managers of critical infrastructure and campus environments, in such industries as:

- Transportation
- State and Local Government
- Education
- Federal Government Agencies
- Military Complexes
- Data Center and Technology
- Healthcare and Life Sciences
- Public Safety and Corrections
- Financial Institutions
- Stadiums and Event Venues
- Enterprise Commercial

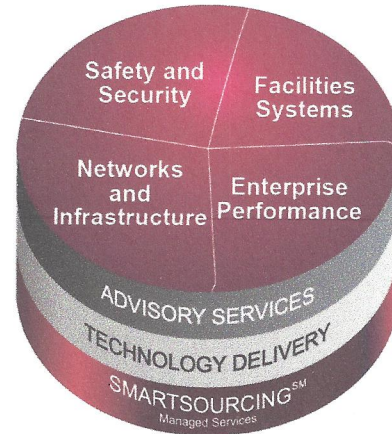
SDI By the Numbers

- 21 Years of Experience in Advanced Technology Delivery
- Portfolio of Long-term, Leading Government and Commercial Clients
- Specialization in complex, IP-based security technology environments
- 250 business and technology professionals, averaging 15 years of industry experience per employee
- Customer base reports outstanding 97% customer satisfaction
- Proven Delivery Methodologies with Quality Assurance Best Practices
- Exceptional Bonding Capacity and Broad insurance Coverage with Ample Policy Limits
- Capitalized by strong team of private equity investors
- Offices located in:
 - US: Chicago (HQ) Washington, DC
 Los Angeles/Sacramento, CA
 Knoxville, TN Louisville, KY
 Dallas, TX Charleston, SC
 - Istanbul, Turkey



SDI focuses our expertise, solutions and technology tools on these industries' key assets which have a significant impact on our clients' ability to deliver their core business service: their facilities, fleet, technology infrastructure/devices and information itself. SDI's solutions are specifically designed to maximize these critical assets to deliver a higher level of security, increase productivity and reduce the operating costs of our clients.

Each SDI solution area is driven by certified, experienced industry professionals, complimented by deep company credentials and a resume of successful technology delivery. And for each solution area, SDI brings the breadth of our Advisory Services, Technology Delivery and SmartSourcing Managed Services offerings to our clients, to seamlessly deliver reliable, secure and high-performance technology environments:



<p>Safety and Security</p> <ul style="list-style-type: none"> • Digital/Megapixel Video Surveillance System • Intelligent Video/Analytics • Access Control, Biometrics, Identity Management • Dispatch/Incident Management Systems • Physical Security Information Management • Mass Notification Systems • Command Center CONOPS and Design • Evacuation Planning/Signage <p>Networks and Infrastructure</p> <ul style="list-style-type: none"> • Deployment and Integration • Technical Operations • Performance Engineering • Security and Continuity • E-rate Program Delivery 	<p>Enterprise Performance</p> <ul style="list-style-type: none"> • Enterprise Asset Management • Workforce Management • Billing/Customer Information Systems • Toll/Fare Collection Systems • Intelligent Transportation Systems • Executive Reporting/PMO • Independent Verification and Validation (IV&V) • Enterprise Collaboration • Real Estate Portfolio Optimization • Application Development • Geographic Information Systems
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Subcontractor

SDI has teamed with a top tier GIS provider Urban GIS a **local minority** business to provide a complete GIS and IT Integrated Solution. Together, throughout our Proposal we are known as **the SDI Team**.

What Urban GIS Provides

The Urban GIS team has a proven record of more than 12 years of successfully and continually executing GIS and data oriented projects for a number of government agencies throughout the Chicagoland area and within Cook County. Our vast project experience points to the fact that our knowledge is not limited to County GIS datasets, but also includes the data and systems of other departments within the County, including Cook County Assessor, Building and Zoning, and Highway departments.





Urban GIS Company Background

The primary focus at Urban GIS is the planning, design, and implementation of enterprise information systems. GIS and related technologies are utilized to assist our clients in effectively managing assets, activities, and incidents. We stay on the cutting edge of technology to provide innovative solutions while adhering to proven standards and principles.

The SDI Team Experience

The SDI Team has conducted IT Assessments, Business Process Analysis, Requirements Gathering, Change Management, and implemented GIS solutions to Municipalities and Utilities to manage critical assets and emergency situations for over 20 years. Below is a summary of our experience.

Cook County Assessor's Office - Cook County Ground Imagery Maintenance Project

Urban GIS was part of a team responsible for collecting 360 degree imagery of more than 200,000 parcels throughout Cook County. Vehicles equipped with GPS, high resolution cameras and various data collection equipment was used to create images, location points and attributes for Cook County parcels. In addition to the imagery, the project deliverables included address verification and the collection of a variety of critical property attributes.

South Suburban Mayors & Managers Association (Hazelcrest, IL) - Web Mapping Application Design Services

Using a Sustainable Communities Challenge Grant from the United States Department of Housing and Urban Development, the South Suburban Mayors and Managers Association (SSMMA) funded a multi-jurisdictional strategy known as the Chicago Southland Green TIME (Transit, Intermodal, Manufacturing, Environment) Zone that emphasized development around transit, intermodal freight industries, green manufacturing, and environmental stewardship. The SSMMA strengthened its GIS capabilities in support of these initiatives. Toward this end, Urban GIS and its partner firm, Symbiont, developed an online mapping application for sharing spatial data among all SSMMA member communities. Urban GIS also designed databases so that all of the association's future datasets will meet regional standards.

Country Club Hills, IL - Housing and Landlord Ordinance Management Application

Urban GIS was contracted by the City of Country Club Hills to design and build a Housing and Landlord Ordinance Management Application for the City Manager and Buildings Department. One component of this application is the Landlord Application. This application is part of the City's implementation of a new Crime Free Rental Housing Program to combat crime, drugs, and gangs in small rental properties. The program requires all residential landlords to apply for a Residential Rental License. Through the Landlord Application portal, land lords can apply on-line for certification and also sign up for a required public safety seminar. Other modules in the general application allow City staff in many different departments to track vacant housing and building complaints, map City assets and property, and support the City's efforts to maintain neighborhood health.



City of Chicago, Office of Emergency Management and Communications (OEMC)

- Provided on-site, 24x7x365 system support for over 77 LAN positions
- Conducted Requirements Analysis for the OEMC's Emergency Management application, developed functional and data requirements in conjunction with a number of City departments and external departments and agencies providing real-time information.
- Developed the BOMA Phase II GIS Application, a web-based application and data portal allowing OEMC decision makers access to critical building data and related floor plan data during daily dispatch operations.
- Completed 911 City base map development
- Performed Java Application Development and Application Support
- Performed City-wide emergency evacuation CADD file maintenance
- Upgraded network and security equipment.
- Performed Firewall/security infrastructure assessments and recommendations
- Used GIS and other database technology to analyze and assess various data sets for accuracy, completeness and usability in the City's GIS system
- Manipulated GIS databases to generate tabular and cartographic output
- Assisted departments in converting, building and maintaining graphic and non-graphic databases for GIS applications
- Developed and maintained standards for GIS databases in order to ensure the integrity and agreement between GIS data sets
- Created network analytics for Police and Fire dispatch units
- Resolved issues related to conflicting data by restructuring or developing new data sets
- Troubleshoot problems related to GIS database operations encountered by users
- Researched new GIS technology and recommends changes to ensure the City's GIS system operates efficiently
- Trained users on GIS applications
- Sitting member of the GIS Steering Committee for the City of Chicago
- Created Web based GIS map for first responders



Chicago Department of Aviation – Integrated Safety, Security and Operations Command and Control Systems (ISSOCCS) Maintenance and Support at O’Hare and Midway International Airports

In addition to providing support and maintenance; and upgrades and enhancements for security systems at O’Hare and Midway Airports, SDI provides GIS support for the 911 Computer-Aided Dispatch (CAD) Systems at these Airports using Intergraph’s GIS-based CAD Applications. This includes data structure(s) required to support the CAD map, sources and formats of map data (i.e. video and access controls, construction), and software and workflows used to create and maintain the CAD maps.

The primary use of the map data in the CAD environment is identification and verification of locations. When the location of an event or unit is related to a unique point, the CAD system can then automatically drive other dispatch-related functionality, including agency response, recommended units, nearby events, special location information (i.e. hazmat, hospital, school, etc.), thus providing greater situational awareness for dispatchers and responders.

SDI also develops and maintains custom reporting tools used with the CAD system, including geographic-based reporting based on customized categories of data, automated reporting based on incident types and locations, and event query tools for ad-hoc reporting.

ComEd

- Translated nearly 50,000 paper maps into computer-tagged image format files (TIFF) to allow for computer map reading.
- Migrated TIFF files into ComEd’s computerized mapping system (Smallworld GIS) to create the mapping foundation for the AM/FM system.
- Consolidated material, maintenance and operational data from various sources
- Incorporated maps and data into the company’s larger mapping environment, ComEd’s Geographical Information System (CE*GIS).
- Provided access to SDI’s First Chance Initiative, a group of Chicago-area high school students who are learning to become tomorrow’s well-trained labor force.
- Participated as consultants to help ComEd staff add information and applications to the AM/FM system.
- Researched and map additional ComEd locations such as buildings, vaults and power stations to meet ComEd’s growth.
- Geo-referenced scanned images of the underground facilities maps as references in white space management.
- Entered existing information from pole history books into spreadsheets
- Brought data up to level of accuracy to perform connectivity checks
- Captured work order changes



Section 4. Key Personnel

The Key Personnel we propose have extensive Project Management, Business Analysis, GIS, Requirements Gathering, Knowledge Management, Change Management, and Application Development experience. Below is a summary of experience for each of our proposed personnel.

Cecelia Bolden, Delivery Executive/Project Manager

Ms. Bolden is an IT professional with 25+ years of consulting experience and expertise, including responsibility for managing diverse multi-million dollar single, concurrent and multi-location and multi-country information technology and operational improvement projects from conception through implementation, within budget and on time for government entities, Fortune 500 and mid-size companies. Ms. Bolden has oversaw large-scale technology implementation projects as well as business process analysis and Strategic IT Planning for numerous local and state government agencies including the City of Chicago, the Chicago Transit Authority, the Metropolitan Water Reclamation District of Greater Chicago, and the State of Illinois. She is currently serving as Delivery Executive for the City of Chicago Department of Information and Technology overseeing implementation of a Time and Attendance System for all departments within the City. Ms. Bolden holds a Masters in Project Management and a B.A. in Psychology.

Keith A. Searles, President of Urban GIS

Mr. Searles is an analytical, results-oriented senior project manager with hands-on approach to solving problems and demonstrated abilities in providing Civil Engineering and Geographic Information Systems (GIS) services. He is a well-rounded engineer with extensive transportation infrastructure experience (roadway, drainage, utilities), and 15 years of GIS consulting experience. Mr. Searles is highly committed with well-developed problem solving abilities and excellent technical writing, communication, presentation and computer skills. He possesses international experience and speaks, reads and writes Spanish with a high level of competency.

Christopher J. Nimmo, Senior GIS Analyst

Mr. Nimmo has more than a decade's experience with GIS and has worked on a wide variety of projects, from analyzing fire station distribution, to designing an online property mapping system, to tracking air pollution, to designing and marketing a street map. He has worked as a consultant to public and private clients, including law firms, political campaigns, and sports leagues. He's been a solo cartographer and has served as a Project Manager in charge of a team of GIS analysts, CAD operators, and programmers. Much of his experience comes from his work in city government in Pittsburgh, Pennsylvania and Providence, Rhode Island. His interest in making the physical environment work well for people is what motivated him to study geography and GIS and later attracted him to work in government.



Shaun Langley, PhD, Senior Application Developer

Mr. Langley, PhD –GIS Developer and Analyst. Dr. Langley received his PhD in Geography from Michigan State University. He specializes in applied spatial data analysis and modeling, developing spatial databases and GIS application development. He holds expertise in a broad range of GIS and statistical software including: ArcMap, GRASS, MapServer. He is also proficient in a broad range of programming languages including Python, JavaScript, Visual Basic, R, PL/pgSQL, and ANSI/ISO SQL, Bash, IDL, HTML, CSS, XML (and very familiar with a wide range of additional languages). As a component of his Doctoral studies, Dr. Langley provided reinforcing lecture concepts on analytical methods.

Joseph Rutherford, Senior Application Developer

Mr. Rutherford is an Enterprise Developer with over 10 years of experience designing and developing client-server and web applications. He has been involved in designing, coding, testing, mentoring, documentation, and project planning within those engagements. He has also played a variety of roles including application architect, lead developer, senior developer, content management expert, business analyst and quality assurance analyst.

Lawrence Hanson, GIS Technician

Mr. Hanson is an IT consultant driven to make visions into reality by leveraging team concept, innovative thinking and best practices in organizational and development methodologies. Mr. Hanson has over twenty-five years of professional experience using, planning and implementing GIS technologies in the public and private sectors. Mr. Hanson provides leadership and vision and has a proven track record of developing GIS strategies for major government entities. After twenty-three years in the public sector, Mr. Hanson joined the Urban GIS team assuming a business development role but still provides project management and technical expertise. While in the public sector, Mr. Hanson was involved with mentoring programs for students at the high school and collegiate levels and still enjoys providing guidance to interns at Urban GIS.

Jonathan Gair, Business Analyst

Mr. Gair is a dedicated professional with a strong analytic background and multiple years of experience working with public sector institutions. He served as a Business Analyst for the Chicago Department of Water Management where he analyzed financial and technical processes, and provided recommendation to the Assistant and Managing Deputy commissioners. His most recent project is with the City of Chicago, Department of Innovation and Technology where he gathered and created functional business requirements, organized Change Management tasks including coordinating system training and project marketing; and oversees daily project team administration, including management of code development efforts for 61 custom time and attendance system modules.



Section 5. References

The SDI Team invites you to call upon our references who can attest to our ability to provide high quality, on-time service.

SDI REFERENCES

Name of Project:	Technical Support and Maintenance (2003 – 2010)
Name of Organization:	City of Chicago, Office of Emergency Management and Communications (OEMC)
Contact Person:	Zachary Williams – Director of Information Systems
Address:	1411 W. Madison Avenue Chicago, IL 60602
Telephone Number:	312-746-9236
Email:	ZacharyWilliams@cityofchicago.org

Name of Project:	Integrated Safety, Security and Operations Command and Control Systems (ISSOCCS) Maintenance and Support at O’Hare International and Midway Airports (1991 – Present)
Name of Organization:	Chicago Department of Aviation
Contact Person:	Ken Warrick, OCC Manager
Address:	O’Hare International Airport T-1 Basement Level 10,000 West O’Hare Chicago, IL 60666
Telephone Number:	(773) 894-5358
Email:	kwarrick@ohare.com



URBAN GIS REFERENCES

Name of Project:	Web Mapping Application Design Services
Name of Organization:	South Suburban Mayors & Managers Association (Hazelcrest, IL)
Contact Person:	Michael Rizzitiello
Address:	1904 174th St, Hazel Crest, IL 60429
Telephone Number:	708.922.4673
Email:	mrizzitiello@cshcdc.org

Name of Project:	Housing and Landlord Ordinance Management Application
Name of Organization:	City of Country Club Hills, IL
Contact Person:	Rudy Maybell, IT Department Head
Address:	4200 West Main Street Country Club Hills, Illinois 60478
Telephone Number:	708.473.1685
Email:	maybell@countryclubhills.org

Name of Project:	Cook County Ground Imagery Maintenance Project
Name of Organization:	Cook County Assessor's Office
Contact Person:	Alan Hobscheid, Manager
Address:	69 W Washington, 27 th Floor, Chicago, IL 60643
Telephone Number:	312.603.1699
Email:	Maryjo.horace@cookcountyil.gov



Section 6. Cost Proposal

The SDI Team's total cost for services will be: \$375,000 (Three hundred Seventy Five Thousand Dollars).

To maximize the range and depth of services being offered, the SDI Team will provide resources to the CCRD for up to one year. The allotted funding specified for services and will not exceed \$375,000. The project will be done on a time and materials basis. The duration, term and specific skills required for each task will be defined at the time of engagement. The overall project duration will be for one year. The budget is based on the project understanding outlined in the Project Scope. The project cost is dependent on a number of factors – level of participation, type of resources needed, and complexity and depth of analysis required – and can be adjusted to accommodate budget and time constraints. Additional consulting services will be discussed by the client and vendor post-delivery of the GIS Pilot Website and IT Assessment.

