# ORIGINAL

# State of West Virginia Department of Administration

Qualifications to Provide Architectural and Engineering Services for Capitol Campus Security Project

RFQ #GSD126428

February 7, 2012

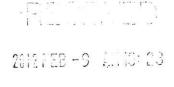
Prepared by:

Gary Elert, PSP



ELERT & ASSOCIATES (651) 430-2772

www.elert.com





# Request for GSD126428

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KRISTA FERRELL 304-558-2596

DEPARTMENT OF ADMINISTRATION GENERAL SERVICES BUILDING 1 ROOM MB60 1900 KANAWHA BOULEVARD, EAST

CHARLESTON, WV 25305-0123

304-558-2317

RFQ COPY TYPE NAME/ADDRESS HERE Elert & Associates Networking Division, Inc. 140 Third Street South Stillwater, MN 55082

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#### Request for PRONUMBER Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF

KRISTA FERRELL

304-558-2596

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President

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Elert & Associates Networking Division, Inc.

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

#### Request for p Quotation

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Request for GSD12642

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February 7, 2012

Department of Administration **Purchasing Division** 2019 Washington Street East Charleston, WV 25305

Dear Purchasing Division:

Elert & Associates is pleased to have the opportunity to respond to the State of West Virginia Department of Administration's Request For Quotation #GSD126428 for A&E Services Capitol Campus Security Project.

Elert & Associates is a security/technology design firm started in 1984 by Gary Elert, PSP, Physical Security Professional. Our staff of over 44 consultants is dedicated to security and technology. Since the firm's inception, we have remained "vendor neutral." E&A's independent status offers our clients the benefit of objective, competitive bidding.

Elert & Associates will be subcontracting with Damon Farber Associates for the landscape architecture portion of the project.

We have enclosed one original and five copies of our response for your review.

We look forward to hearing from you. If you have any questions or if we can be of assistance in any way, please feel free to give us a call at (651) 705-1222.

Sincerely,

Gary Elert, PSP Elert & Associates

Enclosure

minneapolis/st. paul

austin

chicago

greenville

kansas city

milwaukee

new haven

# ORIGINAL

# State of West Virginia

# Department of Administration

Qualifications to Provide Architectural and Engineering Services for Capitol Campus Security Project

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February 7, 2012

Prepared by:

Gary Elert, PSP



ELERT & ASSOCIATES (651) 430-2772

www.elert.com

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### SECTION 1: Concept (4.2.1)

#### **Executive Summary**

As in our work with the Daley Center where the next G8 Summit is to be held, the question arises "How do we create a 'safe building' and environment when the building is a public iconic location for public protest?" This is a complex issue involving not only staffing technologies, training, both fiscal and CPTED environmental design factors. Elert & Associates' security specialists are experts in answering this stated question.

#### Capitol Campus Project Overview

West Virginia Capitol Complex, based on recommendations of the WV National Guard, is seeking to provide enhanced levels of security by way of an independent security consulting firm. The firm will provide design services; prepare bid documents, and construction phase services.

In addition, suggestions made by the Agency, the Division of Protective Services, the Division of Homeland Security and Emergency Management, and the WV National Guard will be implemented into the design of perimeter security elements for various areas on the WV State Capitol Complex. The security measures and landscaping design shall maintain site security while providing an open, accessible campus and complementing existing landscape and building design.

#### **Project Initiation**

In order to create appropriate security design, it is important to understand the objectives of the existing security measures and levels, the desired end results, the overall security philosophy, and the location and surroundings where security levels are to be enhanced. It is also important to understand landscaping elements, invisible fence lines, functions, and systems that are currently in place, including intrusion detection, code blue phones, access control, lighting levels, LAN, MAN, and telecommunications infrastructure.

#### **Evaluation**

The first step of the process is to meet with key personnel of involved agencies and stakeholders to gain an understanding of current and future systems, work presently completed, the desired results, and the overall environment, including what other systems must be interfaced. The supporting telecommunications infrastructure (i.e., LAN/MAN) will be reviewed as part of this process as well.

#### **Vulnerability Assessment**

Next, utilizing the information collected during the evaluation process, we will conduct a vulnerability assessment of the processes, capitol campus, safety of people and resources, and security technology systems and levels. The goal of this step is to identify the potential vulnerabilities and prioritize them based on potential consequences.



#### Threat Assessment

Based on the best practices and information collected through site surveys, drawings and consultation with client, threats will be defined by capability, motive, etc. to assist in verifying defenses, probability of assault, and overall risk.

#### Recommendation

Based on the vulnerability and threat assessments, we identify feasible options and solutions to improve overall security, security systems and supporting technology infrastructure. We provide our clients with an overview of each solution with expected costs. We also identify advantages and disadvantages and make final recommendations based on the solution's ability to meet overall expectations and budgetary constraints.

#### Implementation

Based on the client's plan and choice of schematic design options, we create detailed design specifications and drawing, and from those develop Request for Proposal (RFP) or bidding documents using industry-standard processes. Assist client with bidding process, proposal evaluation, vendor selection, and contract negotiation.

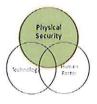
E&A project managers can see the project through to completion from the origination of a contract to final acceptance. We organize and facilitate contractor meetings, observe work in progress, conduct final inspections, and review as-built documentation and test results.

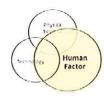
#### **Evaluation**

Our client's security needs, as well as the industry, are always evolving. Elert & Associates recommends that our clients conduct an annual evaluation review of the security policies and procedures, system, supplier/vendor, costs, and industry trends. This will help to insure the security systems, supporting infrastructure and suppliers remain effective in providing a safe and secure environment.

#### Circles of Security Approach







Elert & Associates also believes we have created a unique approach to security and risk mitigation professional services. We believe there are three key areas that have a direct impact on the quality and successfulness of a security. The three areas are: Technology, Human Factor, and Physical Security. Each of these areas is interrelated and solving only one of these areas does not create a complete solution.

Technology has improved dramatically to help security professionals be able to observe more areas and spaces efficiently and effectively. The ability to leverage existing infrastructure has been a dramatic improvement as well.

Physical Security is most commonly referred to as a means to accomplish security goals. We believe this is a very important part of the security process. Using a layered approach to security and accomplishing the goals of the client through this approach is very important. Access Control, Gates, Fencing and Cameras are many different physical items that we see used to help accomplish these goals.

The final and most often overlooked layer of security is the Human Factor. We believe that the best asset is people. They are the not only the most valuable asset to protect, but also a key in the recognizing or understanding potential problem areas. Training staff behind a monitor is one tool, but having every individual taking the approach implemented at the Mall of America is the final piece to mitigate the risks. The approach is very simple, "If you see something, say something."

Elert & Associates has used this approach successfully at both large and small institutions, and it continues to grow. We believe we have a unique approach and qualifications to help any client through their process.

Utilizing this approach to security has enabled Elert & Associates to successfully assist our clients with their security project implementations and ongoing assessments.

#### Security Services

Our services generally fall into six phases or categories. The following are descriptions of activities and task elements in each phase:

#### Needs Assessment (State the problems and requirements to be met.)

- Gather existing information such as organizational information, prior plans, and facilities drawings.
- Survey/interview users and potential users.
- Investigate current systems in use, including cost.
- Determine requirements and constraints of client.
- Conduct review applying CPTED principles.

### Planning/Schematic Design (Establish conceptual design and project relationships.)

- Anticipate future requirements both technological and functional.
- Consider CPTED guidelines natural surveillance, access, barrier reinforcement, and maintenance.



- ♦ Consider current and emerging standards in voice, data, security, and video technologies (including TV and satellite), as they relate to the technology planning process. Propose design for a technology infrastructure to integrate network and communications services within buildings and to access information throughout the world with convergence as a goal.
- Assist client to articulate goals, objectives and timeframes.
- Provide budgetary estimates for the implementation of various technology alternatives available, phased to meet budgetary and operational constraints.

#### Detailed Design (Further refine all elements of the solution.)

- Work with client to narrow options from schematic phase down to the one to implement.
- Review security system options.
- Review options including environmental and landscapes (CPTED).
- Prepare a preliminary project timeline.
- Refine cost estimates.
- Provide client with the "next steps" with respect to implementing the multi-staged technology infrastructure.
- Prepare specifications that may be released as Request for Proposals for technology items (low voltage cabling, local and/or wide-area network electronics, video).
- Identify qualified vendors.
- Assist in publication/distribution of documents.
- Conduct vendors' conferences with site visits as needed.

# Construction Documents (Prepare drawings and specifications that set the requirements of the project solution.)

- Communicate to the client in detail what the project involves.
- Establish the contractual obligations between the client and the contractor and then lay out the responsibilities of the consultant or other third party administrating or managing this construction contract for the client.
- Communicate the quantities, qualities, and configuration of the work required to complete the project. The contractor, in turn, uses these documents to solicit bids or quotations from subcontractors or suppliers.

#### Analysis and Recommendation

- Review proposals/bids for completeness.
- Analyze cost factors.
- Check vendor qualifications.
- Prepare and submit analysis.
- Review with client and make final recommendation.

#### Project Management and Implementation Oversight

- Assist in contract negotiations with selected vendor(s).
- Develop implementation schedule and responsibilities matrix.
- Review all change order requests and advise client.
- Scrutinize billings from contractor(s); receive final payment.
- Chair pre-construction meeting.
- Oversee progress on project both onsite and via teleconferences.
- Review schedule of values.
- Advise clients in requirements to vendors for integration and systems performance.
- Perform site visits; prepare field reports.
- Ensure that system(s) are operational and all products provided as contracted.
- Ensure adequate considerations have been made for on-going support and maintenance of the installed equipment and systems.
- Review project submittals.
- Review payment applications.
- Prepare punch list and test verification.
- Review close-out documents.

### **SECTION 2: Firm/Team Qualifications (4.2.2)**

#### **Contact Information**

Name: Gary Elert, PSP, President

Address: 140 Third Street South, Stillwater, MN 55082

Phone Number: (651) 705-1222

E-mail Address: gary.elert@elert.com

Signature:

#### Required Licenses

Should Elert & Associates be selected as finalist for the project, all required licenses will be secured prior to commencement of project.

#### Subcontractor

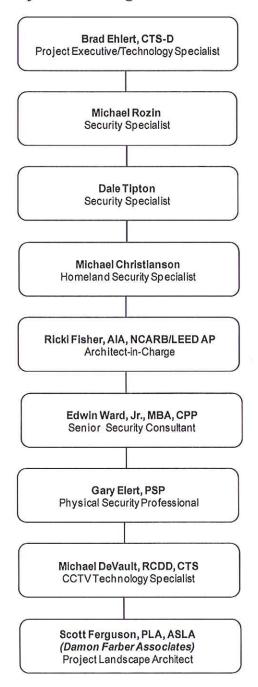
Elert & Associates will be subcontracting with Damon Farber Associates for the landscape architecture portion of the project. Please see their experience page that is included in this section directly after Scott Ferguson's resume.

### Assigned Personnel

- Brad Ehlert, CTS-D, Project Executive/Technology Specialist
- Michael Rozin, Security Specialist
- Dale Tipton, Security Specialist
- Michael Christianson, Homeland Security Specialist
- Ricki Fisher, AIA, NCARB/LEED AP, Architect-in-Charge
- Edwin Ward, Jr., MBA, CPP, Senior Security Consultant
- Gary Elert, Physical Security Professional (PSP)
- Michael DeVault, RCDD, CTS, CCTV Technology Specialist
- Scott Ferguson, PLA, ASLA, Project Landscape Architect (Damon Farber Associates)

Please see Project Team Organization Chart on the following page.

# Project Team Organization Chart



# Project Team Resumes

Please see Project Team resumes on the following pages.



# Resume: Brad Ehlert, CTS-D **Principal Consultant**

areas of expertise

Security Multimedia Systems Integrated Technology Design

significant projects

Lincoln, NE ISD

Lincoln Public Schools - Security and Risk Assessment,

design & contract administration 2009 - present Completed:

Carroll, TX ISD

Technology System Upgrades for all buildings including

A/V, Security, PA/Bell/Clock in half of the buildings

Completed: 2010 - present

Bryant, AR ISD

District-wide video surveillance system

Completed:

2009 - present

Lake Travis, TX ISD

District-wide assessment and design for Security and

Access Control

Completed: 2007 - present

Bryan, TX ISD

Security assessment services

Completed:

2010

Minnesota ISD 196

Pilot project for district integrated multimedia system; created distance learning platform for school-to-school

classes within the district

Completed:

2008

School District of Pickens County, SC

Seventeen complete technology renovation projects and seven new construction projects including all technology systems: AV/multimedia, security, VoIP, networking, and

cabling.

Completed:

2008 - present

Marathon County, WI

New monitoring and jail automation system for over 300bed adult and juvenile detention centers

Completed: 2011

chicago

#### experience

November 2007 - Present Elert & Associates

**Principal Consultant** 

May 2004 - October 2007 Fourth Street Systems

Systems Design Engineer

February 2001 - April 2004 Advanced Communications

Journeyman Technician

June 1997 – January 2001 Sterling Technology Systems

Journeyman Technician

education

Purdue University (Westville, IN)

Major in Computer Information Systems

#### training and certifications

- InfoComm Las Vegas, NV (2010)
- InfoComm Orlando, FL (2009)
- National Association of Broadcasters (NAB), Las Vegas, NV (2008)
- CTS-D Certification, ICIA (2008)
- ASIS (2007, 2009, 2010)
- CTS Certification, ICIA (2007)
- ICIA AV Essentials (2007)
- ISC West, Las Vegas (2007 2010)
- Extron A/V Associate Course (2007)
- Pelco Endura Certification (2006)
- Bose Modeler Certification (2005)
- InfoComm, Atlanta, GA Expo, (2004)
- AMX Netlinx Designer Certification (2004)

milwaukee

minneapolis / st. paul dallas new haven austin greenville kansas city



# Resume: Michael A. Rozin Physical Security Consultant

#### education

- Hebrew Studies, Ma'agan Michael, 2000.
- Combat Sergeants School, Israeli Defense Forces, 2002.
- Specialized Security Agent, Israeli Security Academy 2004.
- Counter Terrorism Studies, Institute for Counter Terrorism (ICT), The Interdisciplinary Center (IDC), Israel, 2006.
- Fluent in Russian, Bulgarian, Hebrew, English and basic level in Arabic

#### experience

#### Elert & Associates Contributing Consultant

- President, Rozin Security Consulting,
   Minneapolis, MN, USA January 2009 present
- Special Operations Captain / Manager,
   Mall of America Security,
   Bloomington, MN, USA, October 2005 present
- Specialized Security Agent / Field Supervisor, Israeli Airport Authority,
   Ben Gurion International Airport, Israel,
   February 2004 – March 2005
- Security Officer, Ministry of Finance/Modiyin Ezrahi LTD,
   Tel Aviv, Israel, October 2003 – February 2004
- Sergeant, Israeli Defense Forces (IDF)
   Israel, September 2001 September 2003
- Developed Counter-Terrorism program for Mall of America, along with additional procedural and technological solutions.
- Presented program to the US Congress, House of Representatives – Committee on Homeland Security (8/2008) as a security model for private sector.
- Granted "Award for Creative Excellence", highest employee recognition across all departments, Mall of America (2008).

#### memberships

- American Society for Industrial Security (ASIS), Member since 2010.
- Twin Cities Security Partnership (TCSP), Member since 2009.
- International Association of Bomb Technicians and Investigators (IABTI), Member since 2006.
- Institute for Counter Terrorism (ICT) Young Professionals, Member since 2006.

#### training and certifications

- National Improvised Explosives Familiarization, Fargo, ND (N.I.E.F) June 2009, Federal Bureau of Investigation(FBI)
- Understanding Islamist Terrorism, August, 2009 Counter Terrorism Operations Center (CTOC), Edina, MN
- Terrorism Awareness: Protecting Soft Targets, Bloomington, MN, Department of Homeland Security, July, 2009
- Terrorism as it relates to Critical Infrastructure, September, 2009, Brooklyn Park, MN, Minnesota Joint Analysis Center (MNJAC) with Department of Justice (DOJ).
- Explosives Detection Dog Team- Supervisor and Instructor, February 2009, Global Training Academy, San Antonio, TX.
- Krav Maga (Israeli Defensive Tactics)--Law-Enforce ment Instructor, June 2008, Krav Maga Worldwide, Los Angeles, CA.
- ASP Baton & Handcuffing--Law-Enforcement Instructor, April 2008, Armament Systems and Procedures Bloomington, MN.

minneapolis / st. paul new haven austin chicago greenville dallas kansas city milwaukee



# Resume: Dale P. Tipton Senior Security Consultant

#### areas of expertise

Safety, Security, and Emergency Management

#### strategic skills

 Experienced FBI field investigator addressing crime classifications to include:

Terrorism
Street Gangs
Drug Trafficking
Bank Robbery
Theft from Interstate Shipment
Kidnapping
Corruption of Police and Public Officials
Environmental Crime
Bankruptcy Fraud

- FBI Relief Supervisor (15 years, completing all managerial duties in absence of the primary supervisor)
- Hostage Crisis Negotiator Certification (Intensive 2 week training at FBI, Quantico, VA)
- Grand Jury and Criminal Court testimony
- Top Secret security clearances maintained
- FBI Certified in Evidence Recovery
- Experienced teacher/trainer

#### experience

- 2010 Present Elert & Associates Contributing Consultant
- 1987- 2010 Federal Bureau of Investigation Various Positions
- 1985 1986 ERA Heritage Real Estate Comptroller
- 1984 1985 McGladrey Pullen Staff Accountant

#### education

- Eastern Kentucky University, Richmond, Kentucky (2009),
   Master of Science in Safety, Security, and Emergency Management
- Truman College, Kirksville, Missouri (1983)
   Bachelor of Science in Accounting

#### licenses

Indiana Private Investigator PI21100001



# Resume: Michael P. Christianson Security Consultant

#### areas of expertise

- Certified to conduct vulnerability assessments and develop Buffer Zone Plans for the Department of Homeland Security throughout Minnesota and the United States
- Over 10 years of assessing critical infrastructure using multiple methodologies
- Vast experience in training and presenting numerous security related topics
- Government Top Secret SCI Security Clearance

#### significant achievements

- Over 10 years of experience conducting vulnerability assessments of critical infrastructure/key resources (CI/KR) and military assets using multiple methodologies; performing over 300 assessments in this time frame
- Instrumental in the creation and development of the National Guard Homeland Defense program to include; standards, checklists, mission scope, policies and procedures.
- Prepared over 150 National Guard operations plans to protect CI/KR sites.
- Improved, promoted and led the physical security of facilities thru vulnerability assessments within the National Guard; protection of critical and non-critical assets.
- Authored evaluation reports to educate clientele on security vulnerabilities and threat mitigation.
- Assisted in developing the Full Spectrum Integrated Vulnerability Assessment Concept of Operations document, the Statement of Training Requirement document, and the Mission Essential Task List along with the Terrorist Operations and Security Operations annexes.
- Certified to handle Protected Critical Infrastructure Information
- Delivered engaging presentations to executive-level clientele on final assessment products.
- Developed and presented Terrorism Awareness presentations to thousands of CI/KR personnel.
- Delivered a video presentation on the current threat and terrorism awareness; seen by over 3000 MN Department of Transportation employees.
- Trained four other states and multiple civilians on the Homeland Defense enhanced Comprehensive Assessment Model focusing in threat analysis and criticality.
- Instructed multiple classes on Vehicle Search Methods and Surveillance Detection to more than 100 personnel.
- Anti-terrorism Instructor for the National Guard; qualifying personnel in their unit level anti-terrorism programs.

#### experience

- Critical Infrastructure Protection Assessment Team Leader, Joint Forces Headquarters, Minnesota National Guard, St. Paul, Minnesota, June 2008 to present
- Terrorist Operations Specialist, Full Spectrum Integrated Vulnerability Assessment Team, Joint Forces Headquarters, Minnesota National Guard, St. Paul, Minnesota, July 2007 to May 2008

#### Education

- Moorhead State University Bachelor of Science in Life Sciences Teaching w/ Coaching Certificate, 1993
- United States Army United States of America Sergeants Major Academy, Ft. Bliss, TX, 2009

#### training and certifications

- Introduction to Geographic Information Systems
- Homeland Defense Course
- Security Engineering Training Course
- Homeland Security Comprehensive Assessment Model Course
- Incident Response to Terrorist Bombings
- Dynamics of International Terrorism
- Surveillance Detection Training Course
- Homeland Defense Enhanced Comprehensive Assessment Model Course
- Defense Critical Infrastructure Protection Course
- Building Design for Homeland Security (FEMA E155)
- Critical Infrastructure Key Resource Asset Protection Technical Assistance Program (CAPTAP-ACAMS)
- Homeland Defense Enhanced Comprehensive As sessment Model Course
- Security Engineering Training Course
- Protected Critical Infrastructure Information lat est certification
- Crime Prevention through Environmental Design
- The Fundamentals of Lighting
- Department of Homeland Security Protective Measures Course



8500 N. Mopac Expressway, Austin, TX 78759 phone . 512.451.5445, fax . 512.451.8777 www.elert.com

Resume: Ricki Fisher, AIA NCARB/LEED AP

#### Vice President of Construction Services

#### areas of expertise

Planning, building design, construction administration, quality assurance, project management, and information technology systems in business and education.

#### significant projects

Round Rock Independent School District (Round Rock, TX)

Description: New High School

Completed: 2010

Round Rock Independent School District (Round Rock, TX)

Description: New Data/Technology Center

Completed: 2010

City of Bridgeport (Bridgeport, CT)

Description: Combined EOC/Dispatch

Completed: 2007

City of Toorington (Toorington, CT)

Description: Fe

Feasibility study for new EOC/Dispatch

Faciliity Area

Completed:

2007

Franklin Independent School District (Franklin, TX)

Description:

New High School

Completed:

2007

Garland Independent School District (Garland, TX)

Description:

Data Center/Network Operations Center

Expansion

Completed:

2006

Houston Independent School District (Houston, TX)

Description:

New Administration Building: AV/

Multimedia, Voice and Data, Security, TV

Studios, and District Data Center

Completed: 2004

Lake Travis Independent School District (Austin, TX)

Description:

Technology Planning

Completed:

2004

2003

Alliant Energy (Madison, WI)

Description:

Data Center/Network Operations Center

Assessment and Master Plan

Completed: minneapolis / st. paul

austin

chicago

#### experience

1999 - Present Elert & Associates

Vice President of Construction Services

Senior Project Director

1999 – 2000 Synectics, Inc (Austin, TX)

Founding Principal

1996 – 1999 Meeks Technology Group (Austin, TX)

Regional Manager/Principal

1984 – 1996 Concordia Architects (New Orleans, LA)

Vice President/Managing Partner/Project Director

1980 – 1984 Jung/Brannen Associates, Inc. (Boston, MA)

Job Captain/Designer/Project Architect

1977 – 1980 Fred L. Buzzell, Architect (Baton Rouge, LA)

Designer/Draftsman

#### education

Louisiana State University (Baton Rouge, LA)

Bachelor of Architecture

#### training and certifications

- LEED Accredited Professional; US Green Building Council
- National Council of Architectural Registration
  Boards (NCARB), Washington, DC; nationally board
  certified with active registration in Texas and inactive registrations in NY, MA, GA, AL, and FL
- Crime Prevention Through Environmental Design (CPTED) Certification
- LEED for New Construction Technical Review Seminar (2007)
- Accessibility Relative to Telecommunications (2002)
- The Commissioning Process of Smart and High-Tech buildings; AIA National Convention
- Integration of Smart Building Systems; AIA National Convention (2002)
- Construction Insurance and Bonds: A Primer; AIA National Convention (2002)
- Technology Planning Workshop; Council of Educational Facility Planners International
- Telcon XIV Video Conferencing and Distance Learn-



### Resume: Edwin R. Ward, Jr., MBA, CPP Senior Security Consultant

#### areas of expertise

Security policy development and implementation, risk assessment, emergency management, security reviews, and training.

experience

- · Conducted security inspections and reviews of Defense Department facilities in the US, Republic of Korea, and Europe in order to protect personnel and facilities from espionage and sabotage threats.
- · Ten years experience as a criminal investigator in the military and federal law enforcement agencies. Conducted investigations involving fraud, theft of government property, homicides, drug trafficking, burglaries, unauthorized disclosure of confidential information, bribery, and corruption of and by government officials.
- · Twenty-two years experience in the protection of confidential information.
- · Co-author of IRS pub 1075, Tax Information Security Guidelines for Federal, State, and Local Agencies.
- · Responsible for creating security policy, security procedures (original author of IRM 11.3.36, Safeguard Review Program.
- · Trained government employees and private contractors responsible for implementing security policy.
- Conducted a full range of risk assessments, security inspections, and reviews to improve compliance with security directives and ensure that confidential information was used in an authorized manner. Reviews included personnel security, physical security, and data security issues.
- · Conducted Safeguard revies of US Department of Labor, Social Security Administration, Government Accountability Office, Pension Benefits Guarantee Corporation, and numerous state tax abd child support agencies abd contractors working for the US Government and state agencies.

#### education

Southern Illinois University - (Edwardsville, IL) Master of Business Administration

University of Nebraska - (Lincoln, NE) B.S. in Law Enforcement and Corrections

#### training and certifications

- American Society for Industrial Security (ASIS)
- Certified Protection Professional (CPP)
- American College of Forensic Examiners International (ACFEI)
- Homeland Security, Tier III, American Board for Certification in Homeland Security
- U.S. Army Counterintelligence Course
- U.S. Army Criminal Investigation Course
- U.S. Treasury Agent Course

greenville dallas kansas city

chicago



# Resume: Gary Elert, PSP President & Principal Consultant

background

Gary Elert is the President, Principal Consultant, and founder of Elert & Associates.

Gary formed Elert & Associates in 1984 as an independent security and technology consulting firm.

From the company's inception in 1984, the premise has been to provide independent security consulting services without affiliation to any vendors or manufactur-

Elert & Associates has grown steadily over the years.

Gary Elert takes pride in providing a stable workforce, with consultants averaging over nine years of service with E&A.

Elert & Associates has operated under the same management for 27 years.

experience

1984 - Present Elert & Associates

President & Principal Consultant

1983 - 1984 Mid-Plains Systems

(Middleton, WI) Vice President

1978 - 1983 AT&T Information Systems

(Brookfield, WI)

Industry Manager Education/

Government

education

Cardinal Stritch University Master of Science, Management

Mount Scenario College

Bachelor of Science, Business Administration

Madison Area Technical College Associate of Arts

training and certifications

Physical Security Professional - (PSP) ASIS International



### Resume: Michael DeVault, RCDD, CTS Technology Consultant

#### areas of expertise

- Cabling Infrastructure and Data Center Design
- Access Control & Intrusion Detection Systems
- CCTV Video Surveillance Systems
- Risk Analysis & Business Continuity Planning
- Paging & Sound Reinforcement Systems
- CATV Video Distribution Systems
- Classroom/Conference Room AV Systems
- Digital Signage Systems

#### significant projects

- Lawson Software New Corporate HQ (St. Paul, MN) – Structured cabling systems and new data center
- Caterpillar Financial New Corporate HQ (Nash ville, TN) Structured cabling systems
- Bridges Medical New Hospital, Clinic, Nursing Home (Ada, MN) – Structured cabling systems
- Kingdom Center New Office Tower & Retail Center (Riyadh, Saudi Arabia) Structured cabling, physical security, audio, and visual systems
- USDA APHIS (Minneapolis, MN) Integrated vid eo conferencing rooms, Integrated card access & IP video (National Contract)
- Ramsey County 911 Center Training Room (St. Paul, MN) – Integrated audio/visual systems and controls
- North Hennepin Comm. College (Blaine, MN)
   New theater sound reinforcement system
- Science Museum (St. Paul, MN) Physical security and fire alarm systems
- Imation (Oakdale, MN) Integrated card access & IP video (National Contract)
- Best Buy New Corporate HQ (Richfield, MN) In tegrated security systems

#### experience

#### 2010- Present Elert & Associates

Technology Systems Consultant

#### 2009 - 2010 Parsons Electric LLC

Account Manager

#### 2004 - 2009 Metro Communication Services, Inc.

Journeyman Technician

#### 2002 - 2004 Ntegra Consulting, Inc.

Consultant/President

#### education

#### Moorhead Technical Institute

Electronics

#### certifications

- RCDD Registered Communications Distribution Designer (BICSI)
- CTS Certified Technology Specialist (Infocomm)
- PELCO CCTV

#### associations

- ASIS American Society for Industrial Security
- BICSI A Telecommunication Association
- ICIA Infocomm International

minneapolis / st. paul new haven austin chicago greenville dallas kansas city milwaukee



Scott Ferguson, PLA, ASLA Landscape Architect Damon Farber Associates (SAME) Member

#### **Project Landscape Architect**

Scott Ferguson is the head of Damon Farber Associates Federal Division. His experience working with the Army Corps of Engineers and other DOD agencies on military installations across the Country and in Puerto Rico provides a deep well of knowledge related to Anti-Terrorism and Force Protection, federal standards and the unique nature and history of each installation.

Scott has worked on over 25 Army Reserve facilities in the last five years in every region of the United States. He recently worked on the Fort Snelling USARC project at the TCAAP site in Arden Hills, MN. Scott emphasizes integrating campus standards and focusing investment on spaces and areas of a site that will provide the most benefit to users. He is also cognizant of the long term maintenance and operational costs associated with site work and works to minimize their impact on operations budgets while maintaining a high quality of design.

His experience with Design Build and traditional construction delivery models is extremely valuable. He is a project manager that works collaboratively with other design professionals and base personnel. He has been responsible for incorporating LEED into every project and has recently developed a sustainability Pilot Project at the Binghamton, New York USARC.

#### Relevant Experience

- North Dakota Capital Grounds Security Improvements
- Unmanned Aircraft Systems Operating Facility Camp Ripley Little Falls, MN
- Grand Forks Air Foce Base Armory Addition Grand Forks, ND
- US Army Reserve Center (USARC) Fort Lewis, WA
- Installation Management Command (IMCOM) Headquarters Fort Sam, TX
- Faribault Armed Forces Reserve Center Faribault, MN
- Visitor Quarters Scott Air Force Base, IL

#### **Government Facilities Philosophy**

Damon Farber Associates approach to governmental facilities complements the building architecture and existing site features by defining the planting forms, walkways, pedestrian gathering spaces, and automobile circulation routes. A well-crafted landscape plan blends the surrounding natural world within the built environment in a harmonious way that provides both an aesthetic setting, as well as a functional facility.

Plantings are located to work with the key architectural elements such as window/door locations, building heights, perimeter fencing, pedestrian/automobile circulation and available existing site features. Rows of trees are positioned to frame and outline the primary viewpoints of the building's facades. Security is of the highest importance, the AT/FP standards play a critical role in the landscape design.

The planting palettes are limited to species that minimize maintenance requirements, such as heavy trimming, watering, and cutting. The palette will also include only native drought and heat tolerant species. Access into the site and the building's front entrance are protected with barriers, plantings and bollards. Wherever possible, the parking and vehicular storage areas shall be screened from public view (ie. street ROW, neighboring properties, etc.). The screening material may take the form of earthen berms, fencing and a solid mixture of trees and shrubs. Whenever possible, the landscape plan attempts to meet the local zoning codes and ordinances. The landscape and irrigation design promotes sustainable design by limiting the use of potable water.

\* Asterick denotes SPIRIT Project Awarded Gold or Bronze

# U.S. Army Corps of Engineers – St. Paul District

Duluth Naval Service - Duluth Grand Forks Flood Control & Greenway Zumbro River Urban Design - Rochester

#### U.S. Army Corps of Engineers – Omaha District

Consolidated Lodging Facility – MSP Air Reserve Station

# U.S. Army Corps of Engineers – St. Louis District

Minot Youth Center - Minot Air Force Base

# U.S. Army Corps of Engineers – Rock Island District

Grand Forks Flood Control & Greenway (Phase 3)

#### Minnesota Air National Guard

ANG Chapel – MSP Wold Chamberlain Field ANG Dining Facility - MSP Wold Chamberlain Field ANG Composite Support Facility

#### Department of the Air Force

Wright Patterson AFB Maintenance Facility Grand Forks Air Force Base Kunsan, Korea Air Force Base Visitor Center

Lackland Air Force Base Community

# Department of Military Affairs - Minnesota

Machine Gun Sniper (RETS) Range MPTR Multi-Purpose Tank/Bradley (RETS) Range Cambridge ARC Faribault ARC Unmanned Aircraft Aircraft Facility - Camp Ripley COE Training Facility - Camp Ripley

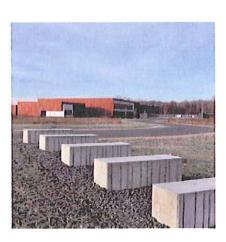
Infantry Squad Battle Course
Multi Purpose Machine Gun Range

#### **Current Federal Government Work**

Sioux Falls, South Dakota USARC Pensacola, Florida USARC Camp Pars, California Training Facility Moreno Valley , CA USARC Grand Forks, North Dakota Air Base Armory Fort Wainright, Alaska Recreational Site Master Plan

#### U.S. Army Corps of Engineers – Louisville District

Aquadilla, Puerto Rico - USARC/OMS/UHS Arlington Heights, Illinois - USARC/DCM Bedford, MA -AFRC/CEF/OMS/UNH STRG Camp Parks, CA - RPX Cleveland, OH - USARC D/B Columbia, MO - RFP Conway, Arkansas - USARC/OMS/UHS Eau Claire, WI- USRC/OMS/AMSA/UHS Fayetteville, AK - FFR Fort Indiantown Gap, PA - USARC \* Fort Knox, KY: Whole Neighborhood Renewal RFP Fort Lewis, Washington - USARC/ASF Fort McCoy, WI - NCO Academy, Battle Simulator Fort Polk, Louisiana - USARC/OMS Fort Wadsworth, NY, USARC Grand Prairie, TX - USARC Great Falls, Montana D/B RFP USARC Greenville, NC - USARC/OMS/AMSA/UHS Hays, Kansas - USRC/OMS/UHS Leavenworth, KS USARC Lincoln, NE - USARC/OMS/UHS Mesa, AZ; -Herrera Hall USARC North Canton, Ohio; USARC OMS/AMS Oakdale, Pennsylvania - USARC DB Orlando, Florida - AFRC/OMS/UHS Sacramento, California - USARC



# Capability and Skills

Following is a list of Elert & Associates' certifications and professional affiliations:

Fo	llowing is a lis	st of Elert & Associates' certifications and professional affiliations:
<b>♦</b>	AIA	American Institute of Architects
<b>♦</b>	AICP	American Institute of Certified Planners
•	APCO	Association of Public-Safety Communications Officials
•	ASIS	American Society for Industrial Security
•	BICSI	Building Industry Construction Services International
•	CBCP	Certified Business Continuity Planner
<b>•</b>	CDT	Construction Documents Technologist
•	CEFPI	Council of Educational Facility Planners International Membership
<b>♦</b>	CHS-III	Certified Homeland Security Professional
•	CPP	Certified Protection Professional, American Society for Industrial Security
<b>♦</b>	CPTED	Crime Prevention Through Environmental Design Certification
<b>•</b>	CTS	Certified Technology Specialist
<b>•</b>	CTS-D	Certified Technology Specialist – Design
•	EE	Electrical Engineer
<b>♦</b>	FCC	General Class Radiotelephone License
<b>♦</b>	ICIA	International Communications Industries Association, Inc.
•	IEEE	Institute of Electrical & Electronic Engineers
<b>♦</b>	LEED AP	Leadership in Energy and Environmental Design, Accredited Professional
•	LEED GA	Leadership in Energy and Environmental Design, Green Associate
•	MTA	Minnesota Telecommunications Association
•	NCARB	National Council of Architectural Registration Boards
•	911 ENP	Emergency Number Professional
<b>•</b>	PE	Professional Engineer (selected states)
<b>•</b>	PMP	Project Management Professional
<b>♦</b>	PSP	Physical Security Professional
<b>♦</b>	RCDD	Registered Communications Distribution Designer (Certified in all major structured cabling systems)
<b>♦</b>	RCDD OSP	Outside Plant Specialist
<b>•</b>	RTPM	Registered Telecommunication Project Manager
•	SCTE	Society of Cable Telecommunications Engineers Membership
•	STC	Society of Telecommunications Consultants Membership
<b>♦</b>	USGBC	U.S. Green Building Council Membership

#### **Certifications**

Ricki Fisher, AIA - CPTED Certification

# Certified Crime Prevention Through Environmental Design (CPTED) Specialist

Ricki B. Fisher

has successfully completed 40 hours of training and testing requirements as developed by The American Crime Prevention Institute to be certified as a Crime Prevention Through Environmental Design (CPTED) Specialist.

ACEL

July 23-27, 2007

Date

Executive Director

Gary Elert, PSP Certification

# ASIS International Arofessional Certification Board

Awards

Gary A. Flert, PSP

the designation of

Physical Security Professional in witness thereof this certificate is granted



Malid through December 2014



15092 Certification Rumber CusDiffy cpp

President

Program Director

#### Ed Ward, Jr., CPP Certification



Professional Certification Board







President Christina Duffey, CPP

Vice-President Richard F. Lisko, CPP

Commendations Received





February 23, 2011

Gary Elert President Elert & Associates 140 Third St S. Stillwater MN 35082

Dear Mr. Elert:

1 am writing to congratulate Elert & Associates on the recent recertification of Edwin Ward as a Certified Protection Professional, the security field's highest designation. Elert & Associates is among the growing number of organizations employing individuals who are Board Certified in Security Management to serve in essential functions.

The Certified Protection Professional (CPP) program was created in 1977 by the American Society for Industrial Security (ASIS), the leading international organization of security professionals, with more than 30,000 members. ASIS designed the program to:

- formalize the body of knowledge basic to the professional security management
- establish knowledge and experience standards for professional practitioners;
- certify individuals who meet these standards and demonstrate mastery of the fundamental tasks through an examination; and
- provide a method of assessing CPPs' continuing professional development through the process of recertification every three years.

We appreciate your organization's support of Mr./Mrs. Ward maintaining the high professional standards required of a Certified Protection Professional.

Sincerely,

Christina M. S. Duffey, CPP

2011 PCB President



1625 Prince Street • Alexandria VA • 22314-2818 • USA • Phone: +1.703.519.6200 • Fax: +1.703.518 1515 • www.asisonline.org



### Ability to Handle the Project in its Entirety

Elert & Associates has a reputation for bringing projects in on time and under budget. We guarantee that all necessary resources would be dedicated to this very high profile, very important project in order to meet or exceed the completion dates as outlined in the timeline or as subsequently agreed to with State management. We are fully able to meet all of the State's requirements as outlined.

Signed:

Gary Elert, President

#### Acceptance & Full Understanding that Work Becomes Agency's Property

Elert & Associates accepts and understands that any and all work produced as a result of the contract will become the property of the Agency and can be used or shared by the Agency as deemed appropriate.

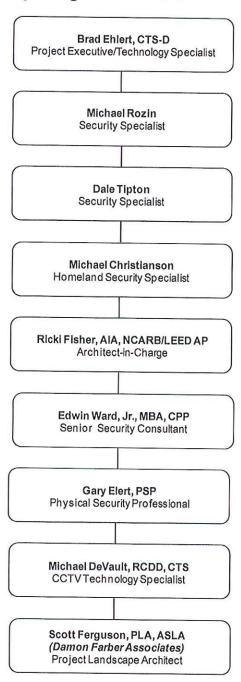
### Litigation or Arbitration Proceedings

There is no pending litigation resulting from Elert & Associates' services.

# **SECTION 3: Project Organization (4.2.3)**

# Assigned Project Manager and Personnel

### **Project Organization Chart**



#### Office Locations

Stillwater, MN Office Gary Elert, PSP Elert & Associates 140 Third Street South Stillwater, MN 55082 651-705-1222 Greenville, SC Office
Tony Mangum, RCDD, CTS-D
Elert & Associates
2 Manorwood Ct.
Simpsonville, SC 29681
864-593-4169

#### Ability to Provide Services

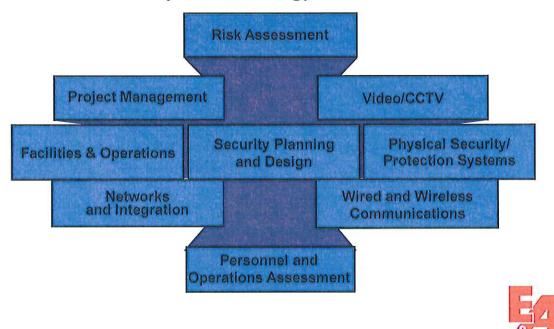
Elert & Associates (E&A), security and technology consultants, has been providing security/public safety consulting for over 27 years. We adhere to and supplement our extensive security experience with industry best practices and adherence to industry standards including CCTV Application Guideline Standard EN50132-7, CENELEC Standards, and FM3-19-30 Physical Security Standards.

Gary Elert, the firm's founder, is an ASIS certified Physical Security Professional (PSP) and is actively serving as the Firm's President. The firm employs individuals with Certified Protection Professional (CPP), Certified Business Continuity Professional (CBCP), Project Management Professional (PMP), and Registered Communications Distribution Designer (RCDD).

### Areas of Expertise

# **Elert & Associates**

# Security/Technology Consultants



# SECTION 4: Demonstrated Experience in Completing Projects of Similar Size and Scope (4.2.4)

#### Selected References

City of Chicago Public Building Commission, IL

**Project Description:** Elert & Associates was retained by the Chicago Public Building Commission to perform physical security and risk assessment for projects throughout the City of Chicago. Projects include optical license recognition cameras and security & risk assessments for individual city buildings such as the Daley Center. E&A's scope also includes Chicago Public Schools as well as projects for the Police Department and the Office of Emergency Management and Communications (OEMC).

Project Date: 2011

Project Manager: Brad Ehlert, CTS-D

Key Personnel: Multiple personnel

Contact: Mr. Jerry McGleam: 773-406-5399

# North Dakota State Capitol Grounds (Damon Farber Associates)

**Project Description:** The State Capitol grounds in Bismarck, North Dakota are undergoing a transformation to improve security, wayfinding, parking, and the Capitol grounds landscape. Damon Farber Associates' predesign effort established a strong vision for the project that was approved by the State Legislature and awarded the necessary funding to implement phase one of the three phase project.

Enhancements include a 100' security setback that establishes a new North Plaza realigned parking lots, improved pedestrian walks, and enhanced landscaping. The plaza will include stone clad seat walls that double as a security perimeter along with force protection bollards. Future phases will include security gates at the loading dock and legislative drop-off to screen vehicles that enter the 100' security perimeter. All of the security improvements are designed to blend into the landscape and ensure that a welcome feel is still maintained at the Capitol.

Project Budget: \$1,200,000

Contact: Mr. John Boyle, Director Facility Management: 701-328-2471



### Mall of America (MOA), MN

**Project Description:** Conducted business continuity/continuity of planning services for the Mall of America. Planning included the identification and prioritization of resources, establishing a line of succession required in an emergency, delegation of authority, disaster recovery backup facility sites as long as alternate command control centers, assuring continuity of the communications, identifying both physical and human capital resources. Responsible for periodic training and testing of the program.

Project Value: \$1,000,000 plus

E&A Fees: \$75,000

Contact: Ms. Heidi Buegler, Captain: 953-883-8878, Heidi.buegler@moa.net

#### St. Paul CCTV Safe City Project, MN

Project Description: In 2007, the City of Saint Paul, Minnesota retained Elert & Associates as the City's consultant to design, bid out and provide project management for a large scale multi-user CCTV surveillance system. The system was partially funded via a federal homeland security grant. The Metropolitan Transit Commission (MTC) was the other beneficiary of the grant, which provides for CCTV coverage to enhance safety along the St. Paul portion of a new light-rail line. Since the light rail system is several years away from completion, the CCTV system will provide coverage at bus stops in the interim. This Central Corridor project is known as Phase I of the CCTV project and is comprised of 34 IP-based cameras at 32 intersections along approximately 4 miles of University Avenue as well as a downtown spur of roughly 1 mile. This will also help cover the outdoor area around the State Capitol building. The project also includes a Command & Control Center equipped with multiple large displays and control consoles.

As host to the 2008 Republican National Convention (RNC), the City also requested and received funding to provide video coverage for a large portion of downtown Saint Paul to help provide security for the convention.

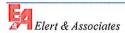
**Project Dates: 2008** 

Total Budget including University Avenue, Central Corridor, and RNC: \$3.42 Million

E&A Fees: \$196,000

Contacts: Ms. Andrea Casselton, Director Office of Technology and Communications: 651-266-8910; email: Andrea Casselton@ci.stpaul.mn.us and Sergeant Tim Lynaugh, SPPD

Office of Homeland Security: 651-266-5560; email: Tim.Lynaugh@ci.stpaul.mn.us



# Minneapolis Community & Technical College (MCTC), MN – CCTV Intrusion Detection Access Control Overhead Address System

**Project Description:** E&A provided technology and security design and consulting services for several projects in order to serve the 12,000 students. Projects include New Library Building, Campus Remodel Project, New Management Education Center and the current Health and Science Remodel Project. Our services included the planning, design, and project oversight for access control, CCTV surveillance, multimedia and conference room systems, and interfacing to existing systems.

Project Dates: December 2000 - Current

Project Manager: Tony Chojnowski, RCDD/OSP Multimedia Designer: Will Craig, CTS-D

Contacts: Mr. Curt Schmidt: 612-659-6902; email: Curt.Schmidt@minneapolis.edu and

Mr. Ken Anderson (Construction Manager): 651-205-4527

#### Selected Project Profiles

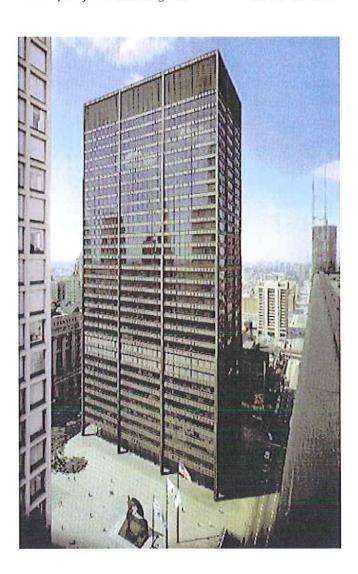
Please see selected project profiles on the following pages:

- City of Chicago Public Building Commission, IL
- North Dakota State Capitol Grounds
- Mall of America, MN
- City of St. Paul, MN
- Minneapolis Community & Technical College, MN
- Carpentersville, IL CUSD 300
- Bridgeport, CT
- University of Minnesota Herbert M. Hanson, Jr. Hall



#### Project Profile: City of Chicago, IL **Public Building Commission**

project date: client: client contact: e&a project manager: 2011 City of Chicago, IL Mr. Jerry McGleam Brad Ehlert



Elert & Associates was retained by the Chicago Public Building Commission to perform physical security and risk assessment for projects throughout the City of Chicago.

Projects include optical license recognition cameras and security & risk assessments for individual city buildings such as the Daley Center.

E&A's scope also includes Chicago Public Schools as well as projects for the Police Department and the Office of Emergency Management and Communications (OEMC).

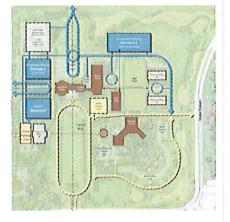


greenville

dallas

#### North Dakota State Capitol Grounds

Bismarck, ND



References

John Boyle Director Facility Management North Dakota State Capitol Phone: 701.328.2471

#### **DFA Responsibility**

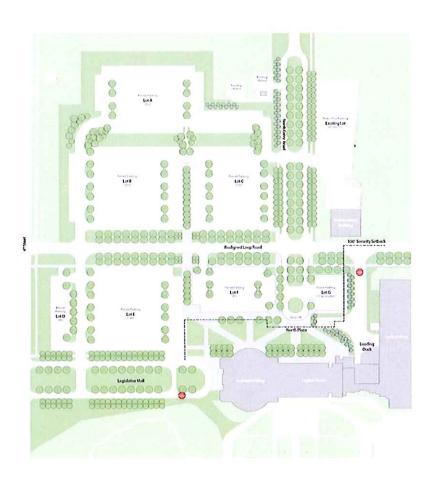
Predesign Security perimeter layout & detailing Design Landscape Architect

#### **Project Budget**

\$1,200,000

The State Capitol grounds in Bismarck North Dakota are undergoing a transformation to improve security, wayfinding, parking, and the Capitol grounds landscape. Damon Farber Associates predesign effort established a strong vision for the project that was approved by the State Legislature and awarded the necessary funding to implement phase one of the three phase project.

Enhancements include a 100' security setback that establishes a new North Plaza, realigned parking lots, improved pedestrian walks, and enhanced landscaping. The plaza will include stone clad seat walls that double as a security perimeter along with force protection bollards. Future phases will include security gates at the loading dock and legislative drop-off to screen vehicles that enter the 100' security perimeter. All of the security improvements are designed to blend into the landscape and ensure that a welcome feel is still maintained at the Capitol.





#### Project Profile: Mall of America - Bloomington, MN Security System Upgrades

project date: client: client contact: e&a project manager: 2010 Mall of America Captain Heidi Buegler Brad Ehlert







Brad Ehlert with E&A assisted in the transition between two disparate systems to a single building-wide CCTV system.

The project also included upgrades throughout the facility.

Recommendations were made on product selection and placement of cameras.

The project included a transition to a single dispatch location with an EOC and backup dispatch location.

Systems affected during project: CCTV, Network, Radio and Operation.

minneapolis / st. paul

austin

chicago

dallas

kansas city

milwaukee



### Project Profile: St. Paul CCTV Safe City Project

project date: client: client contact: e&a project manager:

2007 - 2008 City of St. Paul, Minnesota Sgt. Tim Lynaugh, SPPD Office of Homeland Security Wendy Chretien, PMP



In 2007 the City of Saint Paul, Minnesota selected Elert & Associates as the City's consultant to design, bid out and provide project management for a large scale multi-user CCTV surveillance system. Phase I of the CCTV project is comprised of IP-based cameras at intersections along approximately 4 miles of University Avenue as well as a downtown spur of roughly 1 mile. The system also includes a Command & Control Center equipped with multiple large displays and control consoles.

As host to the 2008 Republican National Convention (RNC) Saint Paul received funding to provide video coverage for a large portion of downtown to help provide security for the convention. This became Phase II of the CCTV project and includes cameras covering approximately half of downtown (with focus on the convention venue area and approaches to it). After the RNC, some cameras will be redistributed from the concentration surrounding the convention venue to other areas of downtown. Phases I and II were complete as of August 2008.

Backhaul for the video is via a combination of leased fiber, owned fiber and high-speed point to point wireless links, while the most of the cameras themselves are connected via a wireless mesh network.

Besides the City of Saint Paul Police Department (SPPD), other users of the system include the Metropolitan Transit Commission and many local law enforcement agencies that provided personnel and support during the RNC. Another initiative is a regional sharing of outdoor security video among the City of Minneapolis Police Department, the State of Minnesota Department of Transportation, the State of Minnesota Capitol Security Department (a division of the Minnesota State Patrol) and the University of Minnesota.

Throughout the project, the City relied on Elert & Associates to provide expert technical design, assistance and project management. Our scope included investigating and designing the fiber backhaul system, developing a detailed RFP for Phase 1, trackingproject progress, reviewing and approving work by contractors, inspecting installations and generally facilitating all aspects of the project.

Several senior E&A consultants worked on this project, including Wendy Chretien, Tony Chojnowski, Felix Fayngersh, and Dave Kaun.

minneapolis / st. paul new haven



#### Project Profile:

Minneapolis Community & Technical College - CCTV Intrusion Detection, Access Control, & Overhead Address System

project date:

client:

client contact:

e&a project manager:

December 2000 - current

MCTC

Mr. Curt Schmidt

Tony Chojnowski, RCDD, OSP



E&A provided technology and security design and consulting services for several projects in order to serve the 12,000 students.

Projects include New Library Building, Campus Remodel Project, New Management Education Center and the current Health and Science Remodel Project.

Our services included the planning, design, and project oversight for access control, CCTV surveillance, multimedia and conference room systems, and interfacing to existing systems.





#### Project Profile: Carpentersville, IL CUSD 300 Video Surveillance

project date: client: client contact: e&a project managers:

2006-Present Carpentersville, IL Community Unit School District 300 Mr. Eric Willard, Director of Technology Wendy Chretien, PMP & Tony Chojnowski, RCDD, OSP





In 2006, Elert & Associates was retained by CUSD 300 for several projects to assist the District in the growth and expansion of their video surveillance systems.

The first project included a District-wide findings and recommendations report for deployment of an IP Video Management System. The report included a description of current systems, recommendations moving forward and budgetary costs.

A second project, in 2007, included upgrading outdated analog DVR systems to a new centrally-managed IP video surveillance system for two of the District's high school buildings. Each school consisted of more than 80 new IP cameras and the incorporation of a number of existing analog cameras that were connected to the new system via IP video encoders.

In 2008, E&A was retained for complete technology and security consulting of the new 2,400 student Hampshire High School.

Elert & Associates' scope included AV/multimedia, cabling infrastructure, voice/data systems and IP video surveillance systems from schematic design through oversight of the installations.

The IP video surveillance system was integrated into the previous systems, creating one large, centrally managed, IP video surveillance management system.

minneapolis / st. paul new haven austin

greenville

dallas

kansas city

milwaukee



### Project Profile: Emergency Communications Center Bridgeport, CT

project date:

client:

client contact:

e&a project manager:

2008 - 2010

City of Bridgeport, CT

Doree Price, Director of 911/Dispatch

Dave Kaun







The City of Bridgeport tasked Elert & Associates with designing a multi-faceted public safety technology implementation project.

Included was the design for a new Regional Emergency Management Center, complete with an Emergency Operations Center, Multimedia/Radio Room, Conference Room, and Dispatch Center.

The EOC was designed with dual projection screens and additional monitors to provide access to multiple media types in an emergency. A six pod furniture layout was coordinated to minimize response time through close proximity and collaboration with easy access to the entire group.

From the start of the project, E&A worked with the end users to design a data center layout that provided necessary maneuverability and access to critical equipment.

E&A worked closely with the City of Bridgeport to reconfigure the radio systems for the entire county adding two new antennas in the process. New bandwidth licenses were also coordinated.

Regional interoperability was enhanced through the aforementioned EOC building, a new CAD system, and an upgraded mobile data system. E&A designed and specified the structured cabling and telephone system throughout the project.

All data and network electronics were upgraded along with a wireless scheme designed to provide convenient and reliable internet to workers in an emergency scenario.



## Project Profile: Herbert M. Hanson, Jr. Hall at Carlson School of Management University of Minnesota

project date: client: client contact: e&a project manager: 2008 RSP Architects Marc Partridge, AIA Pamela Miller, CTS







Elert & Associates was retained by RSP Architects to provide technology design services for the new Hanson Hall at the University of Minnesota.

E&A's services included security systems, structured data & voice cabling and audio/visual planning & budgeting and advised Carlson personnel as to additional applications that were incorporated in the building.

Security services include planning, design, oversight for access control and CCTV surveillance.

Audio visual systems include flat-panel and projector displays for collaborative student work areas, business interview rehearsal spaces with audio & video recording capabilities, and conference rooms that range from intimate

#### Governmental Client List

AITKIN COUNTY, Aitkin, Minnesota

ALLAMAKEE COUNTY,

Waukon, Iowa

ASHLAND COUNTY, Ashland, Wisconsin

AUDUBON COUNTY, Audubon, Iowa

AUSTIN PUBLIC UTILITIES,

Austin, Minnesota

BARRON COUNTY, Barron, Wisconsin

BAYFIELD COUNTY, Washburn, Wisconsin

BEADLE COUNTY,

Huron, South Dakota

BELTRAMI COUNTY, Bemidji, Minnesota

BENTON COUNTY, Vinton, Iowa

BLACKHAWK COUNTY,

Waterloo, Iowa

BLUE EARTH COUNTY, Mankato, Minnesota

BOONE COUNTY, Belvidere, Illinois

BREMER COUNTY, Waverly, Iowa

BREVARD COUNTY, Viera, Florida

BROWN COUNTY, New Ulm, Minnesota

BUFFALO COUNTY, Alma, Wisconsin

BUREAU OF CRIMINAL APPREHENSION,

St. Paul, Minnesota

BURNETT COUNTY, Siren, Wisconsin

BUTLER COUNTY, Allison, Iowa

CALHOUN COUNTY, Marshall, Michigan CAMPBELL COUNTY, Rustburg, Virginia

CARROLL COUNTY,

Carroll, Iowa

CARVER COUNTY, Chaska, Minnesota

CASS COUNTY, Fargo, North Dakota

CASS COUNTY, Virginia, Illinois

CEDAR COUNTY, Tipton, Iowa

CHEROKEE COUNTY, Cherokee, Iowa

CHIPPEWA COUNTY, Chippewa Falls, Wisconsin

CHISAGO COUNTY, Center City, Minnesota

CITY AND COUNTY OF LEAVENWORTH, Leavenworth, Kansas

CITY OF ALBERTVILLE, Albertville, Minnesota

CITY OF ALLEN, Allen, Texas CITY OF AMES, Ames, Iowa

CITY OF ANKENY, Ankeny, Iowa CITY OF ANOKA, Anoka, Minnesota

CITY OF APPLE VALLEY, Apple Valley, Minnesota

CITY OF AUSTIN, Austin, Texas

CITY OF BATTLE CREEK, Battle Creek, Michigan

CITY OF BELOIT, Beloit, Wisconsin

CITY OF BISMARCK, Bismarck, North Dakota

CITY OF BLOOMINGTON, Bloomington, Minnesota

CITY OF BRIDGEPORT, Bridgeport, Connecticut

CITY OF BURNSVILLE, Burnsville, Minnesota

CITY OF CASPER, Casper, Wyoming

CITY OF CEDARBURG, Cedarburg, Wisconsin

CITY OF CEDAR RAPIDS, Cedar Rapids, Iowa

CITY OF CHAMPAIGN, Champaign, Illinois

CITY OF CHARLOTTE, Charlotte, North Carolina

CITY OF COLLEGE STATION, College Station, Texas

CITY OF COLUMBIA HEIGHTS, Columbia Heights, Minnesota

CITY OF COLUMBUS, Columbus, Wisconsin

CITY OF COTTAGE GROVE, Cottage Grove, Minnesota

CITY OF DECORAH, Decorah, Iowa

CITY OF DES MOINES, Des Moines, Iowa CITY OF DUBUQUE, Dubuque, Iowa

CITY OF DULUTH, Duluth, Minnesota CITY OF EAGAN.

Eagan, Minnesota

CITY OF EDEN PRAIRIE, Eden Prairie, Minnesota

CITY OF EDINA, Edina, Minnesota CITY OF FARGO, Fargo, North Dakota CITY OF FARMINGTON,

Farmington, New Mexico CITY OF FORT ATKINSON,

Fort Atkinson, Wisconsin

CITY OF GAINESVILLE, Gainesville, Georgia CITY OF GARLAND, Garland, Texas CITY OF GERMANTOWN, Germantown, Tennessee CITY OF GOODYEAR, Goodyear, Arizona CITY OF GRAND FORKS, Grand Forks, North Dakota CITY OF GROSSE POINT FARMS. Grosse Point Farms, Michigan CITY OF HAM LAKE, Ham Lake, Minnesota CITY OF HASTINGS, Hastings, Minnesota CITY OF HERMANTOWN, Hermantown, Minnesota CITY OF HURST,

Hurst, Texas CITY OF INVER GROVE HEIGHTS. Inver Grove Heights, Minnesota CITY OF IOWA CITY, Iowa City, Iowa CITY OF JANESVILLE, Janesville, Wisconsin

CITY OF KANSAS CITY, Kansas City, Missouri CITY OF MADISON,

Madison, Wisconsin

CITY OF MANKATO, Mankato, Minnesota

CITY OF MAPLE GROVE, Maple Grove, Minnesota

CITY OF MAPLEWOOD, Maplewood, Minnesota

CITY OF MCHENRY, McHenry, Illinois

CITY OF MINNETONKA, Minnetonka, Minnesota

CITY OF MINOT, Minot, North Dakota

CITY OF NEW HOPE. New Hope, Minnesota

CITY OF NIXA, Nixa, Missouri

CITY OF OAK GROVE, Cedar, Minnesota

CITY OF OCONOMOWOC, Oconomowoc, Wisconsin

CITY OF OLIVETTE, Olivette, Missouri CITY OF ORONO,

Orono, Minnesota

CITY OF OTTUMWA. Ottumwa, Iowa

CITY OF OWATONNA, Owatonna, Minnesota

CITY OF PINGREE GROVE, Pingree Grove, Illinois

CITY OF PLYMOUTH, Plymouth, Minnesota

CITY OF PORTLAND, Portland, Oregon

CITY OF RALEIGH, Raleigh, North Carolina

CITY OF RICHMOND HEIGHTS, Richmond Heights, Missouri

CITY OF ROBBINSDALE, Robbinsdale, Minnesota

CITY OF ROCKFORD, Rockford, Illinois

CITY OF ROCKWALL, Rockwall, Texas

CITY OF ROSEVILLE, Roseville, Minnesota

CITY OF ROUND ROCK, Round Rock, Texas

CITY OF ST. CLOUD, St. Cloud, Minnesota

CITY OF ST. LOUIS PARK, St. Louis Park, Minnesota

CITY OF ST. PAUL, St. Paul, Minnesota CITY OF SALINA. Salina, Kansas

CITY OF SAVANNAH, Savannah, Georgia

CITY OF SEGUIN, Seguin, Texas

CITY OF SHOREVIEW, Shoreview, Minnesota

CITY OF SOUTH ST. PAUL, South St. Paul, Minnesota

CITY OF STATESBORO, Statesboro, Georgia

CITY OF SUPERIOR, Superior, Wisconsin

CITY OF TOPEKA, Topeka, Kansas

CITY OF VADNAIS HEIGHTS, Vadnais Heights, Minnesota

CITY OF WAHPETON, Wahpeton, North Dakota

CITY OF WATERTOWN, Watertown, Wisconsin

CITY OF WAUSAU, Wausau, Wisconsin

CITY OF WEBSTER GROVES, Webster Groves, Missouri

CITY OF WESTLAND, Westland, Michigan

CITY OF WINTER SPRINGS, Winter Springs, Florida

CITY OF WOODBURY, Woodbury, Minnesota

CLARK COUNTY, Neillsville, Wisconsin

CLAY COUNTY, Spencer, Iowa

CLAY COUNTY, Vermilion, South Dakota

CLAYTON COUNTY, Elkader, Iowa

CLINTON COUNTY, Clinton, Iowa

CODDINGTON COUNTY, Watertown, South Dakota COLLIN COUNTY, McKinney, Texas

COLORADO STATE PATROL, Alamosa, Colorado

COLUMBIA COUNTY, Portage, Wisconsin

CONVENTION AND VISITORS BUREAU OF GREATER

KANSAS CITY,

Kansas City, Missouri

COOK MEMORIAL PUBLIC LIBRARY DISTRICT, Libertyville, Illinois

CRAWFORD COUNTY, Prairie Du Chien, Wisconsin

CROW WING COUNTY, Brainerd, Minnesota

CUMBERLAND COUNTY, Carlisle, Pennsylvania

DAKOTA COUNTY, Hastings, Minnesota

DAKOTA COUNTY HRA, Rosemount, Minnesota

DANE COUNTY, Madison, Wisconsin

DANE COUNTY REGIONAL

AIRPORT,

Madison, Wisconsin

DANE COUNTY SOCIAL

SERVICES,

Madison, Wisconsin

DAVIS COUNTY, Bloomfield, Iowa

DECATUR COUNTY, Leon, Iowa

DELAWARE COUNTY, Manchester, Iowa

DES MOINES COUNTY, Burlington, Iowa

DODGE COUNTY, Juneau, Wisconsin

DODGE COUNTY, Mantorville, Minnesota

Door County,

Sturgeon Bay, Minnesota

DOUGLAS COUNTY, Alexandria, Minnesota

DOUGLAS COUNTY, Douglasville, Georgia

DUBUQUE COUNTY, Dubuque, Iowa

DUNKLIN COUNTY, Kennett, Missouri

DUNN COUNTY,

Menomonie, Wisconsin

EASTSIDE SUBURBAN

**EMERGENCY** 

COMMUNICATIONS CENTER,

Reynoldsburg, Ohio
EAU CLAIRE COUNTY,

Eau Claire, Wisconsin

FAYETTE COUNTY, West Union, Iowa

FEDERAL RESERVE BANK, Minneapolis, Minnesota

FOND DU LAC COUNTY, Fond du Lac, Wisconsin

FRANKLIN COUNTY, Union, Missouri

FREMONT COUNTY, Sidney, Iowa

Charle County Teles

GRAND COUNTY TELEPHONE AUTH. BOARD,

Winter Park, Colorado

GRAND RAPIDS LIBRARY, Grand Rapids, Minnesota

GRANT COUNTY, Lancaster, Wisconsin

GREEN LAKE COUNTY, Green Lake, Wisconsin

GREENE COUNTY, Springfield, Missouri

GRUNDY COUNTY,
Grundy Center, Iowa

HANCOCK COUNTY, Carthage, Illinois

HANCOCK COUNTY,

Garner, Iowa

HARDIN COUNTY, Eldora, Iowa HENNEPIN COUNTY, Minneapolis, Minnesota

HO CHUNK NATION TRIBAL JUSTICE CENTER,

Black River Falls, Wisconsin

HOWARD COUNTY, Cresco, Iowa

IOWA COUNTY,

Dodgeville, Wisconsin

IRON COUNTY, Hurley, Wisconsin JACKSON COUNTY,

Black River Falls, Wisconsin

JACKSON COUNTY, Maquoketa, Iowa JASPER COUNTY, Newton, Iowa

JEFFERSON COUNTY, Fairfield, Iowa

JEFFERSON COUNTY, Jefferson, Wisconsin

JO DAVIESS COUNTY, Hanover, Illinois

JOHNSON COUNTY, Iowa City, Iowa

JONES COUNTY, Anamosa, Iowa

JUNEAU COUNTY, Mauston, Wisconsin

KANABEC COUNTY, Mora, Minnesota

KANE COUNTY, Geneva, Illinois

KANSAS CITY AREA TRANSPORTATION AUTH.

(KCATA),

Kansas City, Missouri

KANSAS CITY POLICE DEPARTMENT,

Kansas City, Missouri

KENOSHA COUNTY, Kenosha, Wisconsin

KEOKUK COUNTY, Sigourney, Iowa KEWAUNEE COUNTY, Kewaunee, Wisconsin

KIT CARSON COUNTY, Burlington, Colorado

KOOTENAI COUNTY, Coeur D' Alene, Idaho

LACROSSE COUNTY, La Crosse, Wisconsin

LAFAYETTE COUNTY, Darlington, Wisconsin

LAKE COUNTY, Baldwin, Michigan

LANGLADE COUNTY, Antigo, Wisconsin

LEE COUNTY, Dixon, Illinois

LEE COUNTY, Fort Madison, Iowa

LESUEUR COUNTY, Le Center, Minnesota

LINCOLN COUNTY, Merrill, Wisconsin

LINN COUNTY, Cedar Rapids, Iowa

LISLE I-NET CONSORTIUM,

Lisle, Illinois

LOUISA COUNTY, Wapello, Iowa

LOWELL HOUSING
AUTHORITY,
Lowell Massachusett

Lowell, Massachusetts

LYON COUNTY, Rock Rapids, Iowa

MANITOWOC COUNTY, Manitowoc, Wisconsin

MARATHON COUNTY, Wausau, Wisconsin

MARQUETTE COUNTY, Montello, Wisconsin

MAYO CIVIC CENTER, Rochester, Minnesota

McDonough County, Macomb, Illinois

McHenry County, McHenry, Illinois MCLEOD COUNTY, Glencoe, Minnesota

METROPOLITAN AIRPORTS

COMMISSION, St. Paul, Minnesota

METROPOLITAN COUNCIL,

St. Paul, Minnesota

METROPOLITAN TRANSIT

COMMISSION,

Minneapolis, Minnesota

MILLE LACS DRIFTSKIPPERS SNOWMOBILE CLUB,

Isle, Minnesota

MILLS COUNTY, Glenwood, Iowa

MINNEHAHA COUNTY, Sioux Falls, South Dakota

MINNESOTA CORRECTIONAL

FACILITY,

St. Cloud, Minnesota

MINNESOTA DEPARTMENT

OF CORRECTIONS, St. Paul, Minnesota

MITCHELL COUNTY,

Osage, Iowa

MONONA COUNTY,

Onawa, Iowa

MONROE COUNTY, Tomah, Wisconsin

MORRISON COUNTY, Little Falls, Minnesota

MOWER COUNTY, Austin, Minnesota

MUSCATINE COUNTY, West Liberty, Iowa

NORTHWEST REGIONAL

RADIO BOARD, Bemidji, Minnesota

O'BRIEN COUNTY, Primghar, Iowa

OCONTO COUNTY, Oconto, Wisconsin

OSCEOLA COUNTY,

Sibley, Iowa

OUTAGAMIE COUNTY, Appleton, Wisconsin

OWATONNA PUBLIC

UTILITIES,

Owatonna, Minnesota

OZAUKEE COUNTY,

Port Washington, Wisconsin

PAGE COUNTY, Clarinda, Iowa

PARK COUNTY, Fairplay, Colorado

PIERCE COUNTY, Ellsworth, Wisconsin

PINE COUNTY,

Pine City, Minnesota

PLYMOUTH COUNTY,

Remsen, Iowa

POCAHONTAS COUNTY,

Pocahontas, Iowa

POLK COUNTY,

Balsam Lake, Wisconsin

POLK COUNTY, Des Moines, Iowa

PORTSMOUTH METROPOLITAN

HOUSING AUTHORITY, Portsmouth, Ohio

POWESHIEK COUNTY,

Montezuma, Iowa PRICE COUNTY.

Phillips, Wisconsin

PUBLIC BUILDING

COMMISSION OF CHICAGO,

Chicago, Illinois

PUBLIC HOUSING AGENCY OF THE CITY OF SAINT PAUL,

St. Paul, Minnesota

RAMSEY COUNTY, St. Paul, Minnesota

REDWOOD COUNTY,

Redwood Falls, Minnesota

RICE COUNTY,

Faribault, Minnesota

RICHLAND COUNTY,

Richland Center, Wisconsin

RICHLAND COUNTY, Wahpeton, North Dakota

RICHMOND HEIGHTS, Richmond Heights, Missouri

ROBBINSDALE POLICE DEPT., Robbinsdale, Minnesota

ROCK COUNTY, Janesville, Wisconsin

ROCK COUNTY, Luverne, Minnesota

ROCK RIVER WATER RECLAMATION DISTRICT,

Rockford, Illinois

RUSK COUNTY, Ladysmith, Wisconsin

SAINT CROIX COUNTY, Hudson, Wisconsin

SAINT PAUL CIVIC CENTER, St. Paul, Minnesota

SAINT PAUL PUBLIC

LIBRARY,

St. Paul, Minnesota

SAN LUIS VALLEY COUNTY,

Alamosa, Colorado

SANGAMON COUNTY, Springfield, Illinois

SARPY COUNTY, Papillion, Nebraska

SAUK COUNTY, Baraboo, Wisconsin

SAWYER COUNTY, Hayward, Wisconsin

SEVEN-COUNTY METROPOLITAN PROJECT, Minneapolis, Minnesota

SHEBOYGAN COUNTY, Sheboygan, Wisconsin

SHERBURNE COUNTY, Elk River, Minnesota

SIOUX COUNTY, Orange City, Iowa

SOUTH DUNKLIN COUNTY, Hornersville, Missouri

ST. LOUIS COUNTY, Duluth, Minnesota STATE OF COLORADO, Denver, Colorado

STATE OF WISCONSIN, Madison, Wisconsin

STEARNS COUNTY, St. Cloud, Minnesota

STEELE COUNTY, Owatonna, Minnesota

STEVENS COUNTY, Morris, Minnesota

STODDARD COUNTY, Dexter, Missouri

STORY COUNTY, Nevada, Iowa

TAMA COUNTY, Toledo, Iowa

TAYLOR COUNTY, Medford, Wisconsin

TOWN OF ADDISON, Dallas, Texas

TRAVERSE COUNTY, Wheaton, Minnesota

TREMPEALEAU COUNTY, Whitehall, Wisconsin

VERNON COUNTY, Viroqua, Wisconsin

VILAS COUNTY, Eagle River, Wisconsin

VILLAGE OF DEERFIELD, Deerfield, Illinois

VILLAGE OF GERMANTOWN, Germantown, Wisconsin

VILLAGE OF GURNEE, Gurnee, Illinois

VILLAGE OF WESTON, Weston, Wisconsin

VILLAGE OF WINNETKA, Winnetka, Illinois

VOLUSIA COUNTY, DeLand, Florida

WALWORTH COUNTY, Elkhorn, Wisconsin

WAPELLO COUNTY, Ottumwa, Iowa WARREN COUNTY, Warrenton, Missouri

WASHBURN COUNTY, Shell Lake, Wisconsin

WASHINGTON COUNTY, Blaire, Nebraska

WASHINGTON COUNTY,

Stillwater, Minnesota
WASHINGTON COUNTY,

West Bend, Wisconsin WAUKESHA COUNTY,

Waukesha, Wisconsin Waushara County,

Wautoma, Wisconsin

WEST CENTRAL INTEROPERABILITY ALLIANCE (WCIA), Wisconsin

WHITE COUNTY, Carmi, Illinois

WHITESIDE COUNTY, Morrison, Illinois

WINNEBAGO COUNTY, Forest City, Iowa

WINNESHIEK COUNTY, Decorah, Iowa

WINONA COUNTY, Winona, Minnesota

WISCONSIN, STATE OF, DEPARTMENT OF REVENUE, Madison, Wisconsin

WOOD COUNTY.

Wisconsin Rapids, Wisconsin

WOODBURY COUNTY, Sioux City, Iowa

# **SECTION 5: Purchasing Affidavit**

Please see Elert & Associates' completed affidavit on the following page.



GSD	12	64	128
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RFQ No
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# STATE OF WEST VIRGINIA Purchasing Division

# **PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

#### **DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

# 

MARK R. QUADE
Notary Public-Minnesota
My Commission Expires Jan 31, 2015